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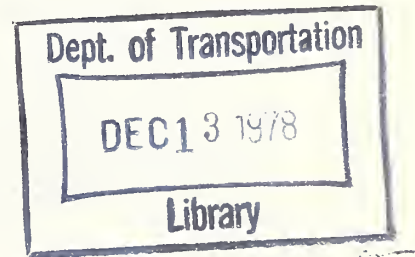
# A COMPILATION OF STEADY STATE AUTOMOTIVE ENGINE TEST DATA

James A. Kidd, Jr.  
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U.S. DEPARTMENT OF TRANSPORTATION  
Research and Special Programs Administration  
Transportation Systems Center  
Kendall Square  
Cambridge MA 02142



FINAL REPORT  
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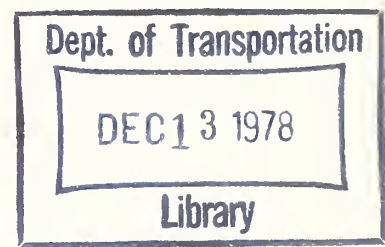
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16. Abstract  Experimental data were obtained in dynamometer tests of automotive engines used in the United States. The objective of this program is to obtain engine performance data for determining fuel consumption and emissions (carbon monoxide, hydrocarbons, and oxides of nitrogen) at steady-state engine operation modes. Each engine was tested over its entire speed/load operating range. The test results proved to have sufficient repeatability to establish steady-state maps for fuel consumption and emissions over the entire operating range of the engine. These data are useful for estimation of full economy and emissions for engineering calculations involving ground transportation.					
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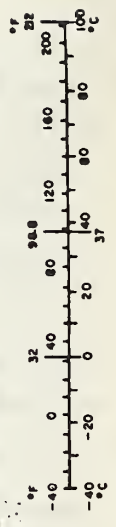
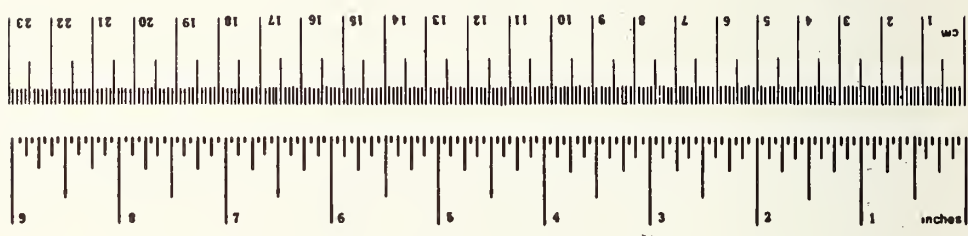
This report, which was prepared by the U.S. Department of Transportation, Transportation Systems Center, Energy Technology Branch, Cambridge, MA from data generated by the U.S. Department of Energy, Bartlesville Energy Research Center, Bartlesville, OK, presents results of experimental work on performance characteristics of automotive engines which are marketed in the United States.

This project was funded by the National Highway Traffic Safety Administration, Office of Research and Development, Office of Passenger Vehicle Research, Technology Assessment Division.

James A. Kidd, Jr. and Ralph G. Colello, of the U.S. Department of Transportation, Transportation Systems Center, were the technical monitors.

# METRIC CONVERSION FACTORS

Approximate Conversions to Metric Measures		Approximate Conversions from Metric Measures	
When You Know	Multiply by	When You Know	Multiply by
<b>LENGTH</b>			
inches	2.5	millimeters	0.04
feet	30	centimeters	0.4
yards	0.9	meters	3.3
miles	1.6	kilometers	1.1
<b>AREA</b>			
square inches	6.5	square centimeters	0.16
square feet	0.09	square meters	1.2
square yards	0.8	square kilometers	0.4
square miles	2.6	hectares (10,000 m <sup>2</sup> )	2.5
acres	0.4		
<b>MASS (weight)</b>			
ounces	28	grams	0.035
pounds	0.45	kilograms	2.2
short tons (2000 lb)	0.9	tonnes (1000 kg)	1.1
<b>VOLUME</b>			
teaspoons	5	milliliters	0.03
tablespoons	15	liters	2.1
fluid ounces	30	liters	1.06
cups	0.24	liters	0.26
pints	0.47	cubic meters	35
quarts	0.95	cubic meters	1.3
gallons	3.8		
cubic feet	0.03		
cubic yards	0.76		
<b>TEMPERATURE (exact)</b>			
Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	9/5 (then add 32)



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## 1. INTRODUCTION

This report is a compilation of test data generated for the U.S. Department of Transportation, Transportation Systems Center, Energy Technology Branch by the Department of Energy, Bartlesville Energy Research Center.

Funding for the engine test program was through the Automotive Fuel Economy Research and Analysis Program. This program is funded by the National Highway Traffic Safety Administration, Office of Research and Development, Office of Passenger Vehicle Research, Technology Assessment Division.

The steady-state engine map data are contained within the Appendices of this report. The model years represented range from 1975 through 1977. Eight GM engines, five Ford, five Chrysler, one AMC and eight foreign manufactured engines are included. Measurements include fuel consumption and regulated emissions.

Supplements to this report will be issued as further tests are completed.

## 2. TEST PROCEDURES AND MEASUREMENTS

A mean-tolerance engine was mounted on a test stand and coupled to an eddy-current dynamometer. The engine was complete, except for a fan. A cooling tower was used instead of a radiator. Generally, an alternator was included but not wired into the electrical system. If an engine was tested with a catalytic converter, two sets of emissions data are given, before and after the catalyst. Engine break-in on the dynamometer consisted of approximately 40 hours of engine operation at various speeds and loads designed to simulate road/load conditions. Details of a representative break-in schedule are shown in Table 2-1.

The tests are designed to determine fuel consumption and emissions (carbon monoxide, hydrocarbon, and oxides of nitrogen) at steady-state operating modes. Relevant instrumentation is listed in Table 2-2.

The following equations were used to calculate power, air/fuel ratio, absolute humidity, and mass emission rates of carbon monoxide (CO), unburned hydrocarbons (HC), and oxides of nitrogen (NO<sub>x</sub>):

1. Partial pressure of water vapor in intake air (millimeters of mercury):

$$P = \exp \left[ 18.717 - \frac{7308.1}{393 + D} \right]$$

where D = Dew point, °F

2. Absolute humidity (grains moisture per pound dry air):

$$H = \frac{4347.8(P)}{B - P}$$

where B = Barometric pressure, mm Hg

TABLE 2-1. ENGINE BREAK-IN SCHEDULE

	Simulated vehicle speed, mph	Engine speed, rpm	Manifold vacuum, in. Hg	Fraction of time in mode
One complete cycle	0	Idle	15	1/10
	20	1,350	14.6	"
	30	1,600	13.9	"
	40	1,950	9.4	"
	50	2,250	8.5	"
	25	1,500	14.0	"
	35	1,800	9.5	"
	45	2,050	9.3	"
	55	2,550	8.0	"
	60	2,750	7.0	"

Time per cycle = 2-1/2 hours.

Mileage per cycle = 90 miles.

Number of cycles = 16.

Total mileage accumulated over the 40 hour break-in period = 1,440 miles.

TABLE 2-2. INSTRUMENTATION

PARAMETER AND UNITS

Torque foot-pounds		Baldwin Lima Hamilton strain gauge load cell; Daytronics indicator
Fuel Rate pounds/hour		Fluidyne positive displacement fuel flow meter
Carbon Monoxide percent	(CO)	Beckman Non-Dispersive Infrared
Carbon Dioxide percent	(CO <sub>2</sub> )	Beckman Non-Dispersive Infrared
Oxygen percent	(O <sub>2</sub> )	Beckman polarographic detection
Hydrocarbons parts/million	(HC)	Custom built, heated, flame ionization detector
Oxides of Nitrogen parts/million	(NO <sub>x</sub> )	Thermo-Electron Chemiluminescent detector

3. Humidity correction factor (dimensionless);

$$K_H = \frac{1}{1 - 0.0047(H - 75)}$$

Note: This factor is used to correct the  $\text{NO}_x$  mass emission rate to a standard humidity of 75 grains moisture per pound dry air.

4. Stoichiometric air/fuel ratio (dimensionless):

$$AF_S = \frac{69(2 + \frac{x}{2} - y)}{MW_{\text{fuel}}}$$

where  $x$  = hydrogen-carbon atomic ratio of fuel  
 $y$  = oxygen-carbon atomic ratio of fuel  
 $MW_{\text{fuel}}$  = fuel molecular weight per carbon atom  
 $= 12.01115 + 1.00797x + 15.9994y$

5. Hydrogen concentration in raw exhaust (percent):

$$H_2 = \frac{x(\text{CO})(\text{CO} + \text{CO}_2)}{2(\text{CO} + 3\text{CO}_2)}$$

where  $\text{CO}$  = Carbon monoxide concentration (percent)  
 $\text{CO}_2$  = Carbon dioxide concentration (percent)

Note: This equation assumes a water-gas shift equilibrium constant

$$\frac{(\text{CO})(\text{H}_2\text{O})}{(\text{CO}_2)(\text{H}_2)} = 3$$

6. Correction factor for emission concentrations from wet basis to dry basis (dimensionless):

$$C_w = 1 + \frac{(\frac{x}{2})(\text{CO} + \text{CO}_2) - H_2}{100}$$

Note: In these tests only HC is measured on a wet basis. All other species are measured on a dry basis.

7. Air/Fuel ratio (dimensionless):

$$AF = \frac{AF_s}{2 + \frac{x}{2} - y} \left[ \frac{(1 + \frac{x}{2} - y)(CO) + (2 + \frac{x}{2} - y)(CO_2) + 2(O_2) + \frac{NO_x}{10^4} - H_2}{CO + CO_2 + C_w(\frac{HC}{10^4})} \right]$$

where  $O_2$  = oxygen concentration (percent)

$NO_x$  = oxides of nitrogen (ppm)

HC = unburned hydrocarbon concentration (ppmC)

8. Exhaust flow (pounds per hour):

$$M_{EX} = M_F(1 + AF)$$

where  $M_F$  = fuel flow rate (pounds per hour)

9. Carbon monoxide mass emission rate (grams per hour):

$$M_{CO} = \frac{M_{EX}}{C_w} \left( \frac{CO}{100} \right) \left( \frac{MW_{CO}}{MW_{EX}} \right) 453.59237$$

where  $MW_{CO}$  = molecular weight of CO (=28.01115)

$MW_{EX}$  = molecular weight of exhaust gas (=28.967)

10. Unburned hydrocarbon mass emission rate (grams per hour):

$$M_{HC} = M_{EX} \left( \frac{HC}{10^6} \right) \left( \frac{MW_{HC}}{MW_{EX}} \right) 453.59237$$

where  $MW_{HC}$  = molecular weight per carbon atom of HC  
 $= 12.01115 + 1.00797x + 15.9994y$

11. Oxides of nitrogen mass emission rate (grams per hour):

$$M_{NO_x} = \frac{M_{EX}}{C_w} \left( \frac{NO_x}{10^6} \right) \left( \frac{MW_{NO_x}}{MW_{EX}} \right) (K_H) 453.59237$$

where  $MW_{NO_x}$  = molecular weight of  $NO_2$  (=46.0028)

12. Power (brake horsepower corrected to a standard barometric pressure of 736.6 mm Hg and a standard temperature of 85° F):

$$HP = \frac{N(T)}{5252.113} \left( \frac{736.6}{B - P} \right) \sqrt{\frac{t + 460}{545}}$$

where N = engine speed (revolutions per minute)

T = brake torque (foot-pounds)

t = air temperature (°F)

Source: References 1 to 24.

### 3. DATA FORMAT

The steady-state fuel consumption and emissions data are presented in the form of tabular engine maps. The first data line of each map contains eight specifications: 1) carburetion; 2) **bore**; 3) stroke; 4) number of cylinders; 5) minimum speed; 6) maximum speed; 7) engine rotating inertia; and 8) fuel specific gravity.

For each speed point (RPM), there are four test parameters: 1) load point which is torque in foot-pounds; 2) fuel or emissions rate given in pounds per hour or grams per hour respectively (note that CO emissions are divided by ten); 3) throttle angle in degrees; and 4) manifold vacuum in inches of mercury.

The data are the result of curve fitting raw test data. Most of the actual test data can be found in the engine test reports which are listed in the Reference section. The curve fitting program utilizes the least squares method of curve fitting data to produce equations for the various engine parameters. The data for each specific parameter at a given engine test speed is represented as a function of brake horsepower.

Fuel flow and manifold vacuum use:

$$Y = \sum_0^n C_n X^n \quad ,$$

with  $n = 4$  and  $5$  respectively, and  $X =$  brake horsepower.

Throttle angle, carbon monoxide (CO), hydrocarbons (HC), and oxides of nitrogen ( $\text{NO}_x$ ) use:

$$\ln Y = \sum_0^n C_n X^n$$

with  $n = 6, 5, 5,$  and  $7$  respectively.

The negative torque values given are not test data. They result from a linear extrapolation of torque as a function of fuel flow to idle fuel flow rate at each engine speed. (Ref. 25)

## REFERENCES

The following engine test reports, references 1-24, are available from:

The National Technical Information Service  
Springfield, Virginia 22151

1. Engine Performance Test of the Honda CVCC  
W.F. Marshall  
Interim Report, September 1975  
Report No. DOT-TSC-OST-75-30
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CN633 Diesel Engine  
W.F. Marshall  
K.R. Stamper  
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Report No. DOT-TSC-OST-75-44
3. Engine Performance Test of the 1975 GM 140 CID  
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K.R. Stamper  
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Report No. DOT-TSC-OST-76-22
4. Fuel Consumption, Emissions, and Power Characteristics of the  
1975 Chevrolet 350-CID, 2V  
Automotive Engine-Experimental Data  
W.F. Marshall  
K.R. Stamper  
Interim Report, September 1976  
Report No. DOT-TSC-OST-76-36
5. Fuel Consumption, Emissions, and Power Characteristics of  
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Automotive Engine-Experimental Data  
W.F. Marshall  
K.R. Stamper



Interim Report, November 1976

Report No. DOT-TSC-OST-76-42

6. Fuel Consumption, Emissions, and Power Characteristics of  
the 1975 Ford 140-CID

Automotive Engine-Experimental Data

W.F. Marshall

K.R. Stamper

Interim Report, November 1976

Report No. DOT-TSC-OST-76-43

7. Performance Characteristics of Automotive Engines in the  
United States Report No. 7

Mercedes Benz Model OM617 Diesel Engine

W.F. Marshall

K.R. Stamper

Interim Report, July 1977

Report No. DOT-TSC-OST-77-42

8. Performance Characteristics of Automotive Engines in the  
United States Report No. 8

Mitsubishi Model 6DS7 Diesel Engine

W.F. Marshall

K.R. Stamper

Interim Report, August 1977

Report No. DOT-TSC-OST-77-48

9. Performance Characteristics of Automotive Engines in the  
United States, Report No. 9

Chrysler (1975) 225 CID, 1bb1 Engine

W.F. Marshall

K.R. Stamper

Interim Report, August 1977

Report No. DOT-TSC-OST-77-49

10. Performance Characteristics of Automotive Engines in the United States, Report No. 10  
Chevrolet (1975) 250 CID, 1bb1 Engine  
W.F. Marshall  
K.R. Stamper  
Interim Report, August 1977  
Report No. DOT-TSC-OST-77-50
11. Performance Characteristics of Automotive Engines in the United States, Report No. 11  
Chrysler (1975) 318 CID, 2bb1 Engine  
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Interim Report, August 1977  
Report No. DOT-TSC-OST-77-51
12. Performance Characteristics of Automotive Engines in the United States, First Series-Report 12  
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W.F. Marshall  
K.R. Stamper  
Interim Report, April 1978  
Report No. DOT-TSC-NHTSA-78-5 (HS-803-278)
13. Performance Characteristics of Automotive Engines in the United States, First Series-Report 13  
1975 American Motors 258 CID (4.23 Liter), 1bb1  
W.F. Marshall  
K.R. Stamper  
Interim Report, April 1978  
Report No. DOT-TSC-NHTSA-78-6 (HS-803-279)
14. Performance Characteristics of Automotive Engines in the United States, First Series-Report 14  
1975 Mazda Rotary 70 CID (1.1 Liter), 4bb1  
W.F. Marshall  
K.R. Stamper  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-8 (HS-803-324)

15. Performance Characteristics of Automotive Engines in the United States, First Series-Report 15  
1975 Dodge Colt 98 CID (1.6 Liter), 2bb1  
T.W. Chamberlain  
D.E. Koehler  
K.R. Stamper  
W.F. Marshall  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-9 (HS-803-325)
16. Performance Characteristics of Automotive Engines in the United States, First Series-Report 17  
1975 Buick 455 CID (7.46 Liter), 4bb1  
T.W. Chamberlain  
D.E. Koehler  
K.R. Stamper  
W.F. Marshall  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-11 (HS-803-327)
17. Performance Characteristics of Automotive Engines in the United States, First Series-Report 18  
1976 Ford 400 CID (6.56 Liter), 2bb1  
W.F. Marshall  
K.R. Stamper  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-12 (HS-803-328)
18. Performance Characteristics of Automotive Engines in the United States, First Series-Report 19  
1975 Ford Windsor 351 CID (5.75 Liter), 2bb1  
W.F. Marshall  
K.R. Stamper  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-13 (HS-803-329)

19. Performance Characteristics of Automotive Engines in the United States, Second Series-Report 2  
1976 Chevrolet V8 305 CID (5 Liter), 2bb1  
T.W. Chamberlain  
D.E. Koehler  
K.R. Stamper  
W.F. Marshall  
Interim Report, April 1978  
DOT-TSC-NHTSA-78-3 (HS-803-276)
20. Performance Characteristics of Automotive ENgines in the United States, Second Series-Report 3  
1977 Chrysler L6 225 CID (3.69 Liter), 2bb1  
T.W. Chamberlain  
D.E. Koehler  
K.R. Stamper  
W.F. Marshall  
Interim Report, April 1978  
DOT-TSC-NHTSA-78-4 (HS-803-277)
21. Performance Characteristics of Automotive Engines in the United States, Second Series-Report 4  
1976 Chevrolet 85 CID (1.6 Liter), 1bb1  
D.E. Koehler  
T.W. Chamberlain  
K.R. Stamper  
W.F. Marshall  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-15 (HS-803-331)
22. Performance Characteristics of Automotive Engines in the United States, Second Series-Report 5  
1977 Ford 140 CID (2.3 Liter), 2bb1  
T.W. Chamberlain  
D.E. Koehler  
K.R. Stamper  
W.F. Marshall  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-16 (HS-803-332)

23. Performance Characteristics of Automotive Engines in the United States, Second Series-Report 7  
1977 Ford 1971 CID (2.8 Liter), 2bb1  
D.E. Koehler  
W.R. Stamper  
W.F. Marshall  
Interim Report, May 1977  
Report No. DOT-TSC-NHTSA-78-18 (HS-803-334)
24. Performance Characteristics of Automotive Engines in the United States, Third Series-Report 1  
1977 Volvo 130 CID (2.1 Liter), F.I.  
D.E. Koehler  
K.R. Stamper  
W.F. Marshall  
Interim Report, May 1978  
Report No. DOT-TSC-NHTSA-78-19 (HS-803-335)
25. Processing and Display Programs for Steady State Engine Test Data  
Ralph G. Colello  
Report No. PM-T-51, December 1975.



APPENDIX A. GENERAL MOTORS CORPORATION

A.1 1977 BUICK 231 CID (3.79 LITER), 2 BBL

*ENGINE	F780C7	RPM		TORQUE		LB/HR					
1977 BUICK	ENGINE	FUEL MAP		CATALYTIC		CONVERTER					
DATA 2 BBL	231.0	3.400	6.	800.	3200.	.0800	.7161				
SPEED POINT	800.0										
LOAD POINT	0.0	4.0	5.4	6.9	8.3	9.8	11.2	12.6	14.1	15.5	
FUEL RATE	2.9	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	
THROTTLE	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	
MANIFOLD	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.6	18.5	18.5	
LOAD POINT	17.0	18.4	19.8	21.3	22.7	24.2	25.6	27.0	28.5	29.9	
FUEL RATE	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	
THROTTLE	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	
MANIFOLD	18.4	18.3	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6	
SPEED POINT	1000.0										
LOAD POINT	-5.2	4.8	14.5	24.3	34.0	43.7	53.5	63.2	73.0	82.7	
FUEL RATE	2.9	3.7	3.8	4.2	4.7	5.4	6.1	6.9	7.7	8.5	
THROTTLE	0.7	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.3	5.5	
MANIFOLD	20.3	20.3	19.4	18.7	17.8	16.7	15.1	13.2	11.1	8.9	
LOAD POINT	92.5	102.2	111.9	121.7	131.4	141.2	150.9	160.7	170.4	180.1	
FUEL RATE	9.3	10.1	10.9	11.6	12.4	13.2	14.1	15.2	16.4	17.9	
THROTTLE	6.9	8.7	10.6	12.3	13.4	14.0	14.8	17.4	27.3	73.0	
MANIFOLD	6.4	5.0	3.7	3.0	2.8	3.0	3.4	3.6	2.8	0.2	
SPEED POINT	1300.0										
LOAD POINT	-12.9	5.7	15.3	25.0	34.6	44.2	53.9	63.5	73.1	82.8	
FUEL RATE	2.9	4.7	4.8	5.3	6.1	7.1	8.3	9.5	10.6	11.6	
THROTTLE	1.7	1.7	2.2	2.7	3.3	4.0	4.8	5.8	7.0	8.4	
MANIFOLD	20.7	20.7	20.1	18.9	17.5	15.8	13.9	12.1	10.3	8.5	
LOAD POINT	92.4	102.0	111.7	121.3	130.9	140.6	150.2	159.8	169.5	179.1	
FUEL RATE	12.6	13.5	14.3	15.0	15.8	16.7	17.8	19.1	21.0	23.5	
THROTTLE	10.1	11.9	14.0	16.2	18.7	21.6	25.5	31.9	44.4	73.0	
MANIFOLD	7.0	5.6	4.4	3.4	2.6	2.0	1.6	1.1	0.7	0.2	
SPEED POINT	1700.0										
LOAD POINT	-23.2	6.4	16.4	26.4	36.4	46.3	56.3	66.3	76.3	86.3	
FUEL RATE	2.9	5.7	6.3	7.2	8.4	9.7	11.1	12.4	13.7	14.9	
THROTTLE	2.7	2.7	3.3	4.3	5.5	6.6	7.4	8.1	8.8	9.6	
MANIFOLD	21.0	21.0	19.9	18.2	16.3	14.3	12.5	10.8	9.3	7.9	
LOAD POINT	96.3	106.3	116.3	126.3	136.3	146.3	156.3	166.3	176.3	186.3	
FUEL RATE	16.1	17.1	18.1	19.2	20.3	21.5	23.0	24.9	27.3	30.4	
THROTTLE	10.9	12.8	15.4	18.6	22.1	25.3	28.3	32.3	41.6	73.0	
MANIFOLD	6.8	5.7	4.8	3.9	3.1	2.4	1.7	1.3	1.2	1.3	
SPEED POINT	2000.0										
LOAD POINT	-30.9	7.6	17.6	27.5	37.4	47.4	57.3	67.2	77.2	87.1	
FUEL RATE	2.9	7.6	8.4	9.4	10.5	11.8	13.1	14.5	15.8	17.1	
THROTTLE	1.9	1.9	3.2	4.4	5.3	6.1	6.9	7.7	8.9	10.4	
MANIFOLD	20.0	20.0	17.7	15.9	14.5	13.3	12.2	11.1	9.9	8.8	
LOAD POINT	97.0	107.0	116.9	126.8	136.8	146.7	156.6	166.6	176.5	186.4	
FUEL RATE	18.3	19.6	20.9	22.2	23.6	25.3	27.2	29.5	32.3	35.6	
THROTTLE	12.5	14.9	17.7	20.5	23.2	25.7	28.6	33.3	43.9	72.7	
MANIFOLD	7.6	6.4	5.3	4.3	3.4	2.7	2.2	1.8	1.5	1.3	
SPEED POINT	2400.0										
LOAD POINT	-41.3	9.2	19.0	28.8	38.6	48.4	58.2	68.0	77.8	87.6	
FUEL RATE	2.9	9.9	10.5	11.4	12.7	14.2	15.8	17.3	18.9	20.4	
THROTTLE	4.9	4.9	5.9	7.0	8.1	9.1	10.0	11.0	12.2	13.6	
MANIFOLD	18.0	18.0	16.6	15.4	14.4	13.5	12.5	11.4	10.4	9.2	
LOAD POINT	97.4	107.2	117.0	126.8	136.6	146.4	156.2	166.0	175.8	185.5	
FUEL RATE	21.8	23.2	24.6	26.1	27.8	29.8	32.2	35.3	39.1	44.0	
THROTTLE	15.4	17.6	20.2	22.9	25.5	27.9	30.6	34.9	44.8	72.7	
MANIFOLD	8.1	7.0	6.0	5.1	4.3	3.7	3.2	2.8	2.5	2.1	
SPEED POINT	2800.0										
LOAD POINT	-51.6	9.0	17.9	26.9	35.9	44.8	53.8	62.7	71.7	80.7	
FUEL RATE	2.9	11.8	12.6	13.8	15.2	16.8	18.3	19.9	21.4	22.8	
THROTTLE	6.3	6.3	6.9	7.9	9.0	10.1	11.1	12.2	13.4	14.9	

MANIFOLD	17.7	17.7	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6
LOAD POINT	89.6	98.6	107.6	116.5	125.5	134.5	143.4	152.4	161.4	170.3
FUEL RATE	24.2	25.6	27.0	28.5	30.3	32.4	35.1	38.5	42.8	48.2
THROTTLE	16.8	18.9	21.1	22.9	24.0	24.4	24.8	27.1	36.3	72.7
MANIFOLD	8.7	7.7	6.8	6.0	5.3	4.6	4.0	3.6	3.2	3.0
SPEED POINT 3200.0										
LOAD POINT	-61.9	10.5	18.6	26.7	34.8	42.9	51.0	59.0	67.1	75.2
FUEL RATE	2.9	13.9	15.5	17.0	18.3	19.5	20.7	21.9	23.1	24.6
THROTTLE	8.4	8.4	9.8	10.9	11.9	12.7	13.6	14.5	15.7	17.1
MANIFOLD	17.0	17.0	15.7	14.8	13.9	13.2	12.4	11.6	10.7	9.8
LOAD POINT	83.3	91.4	99.5	107.6	115.6	123.7	131.8	139.9	148.0	156.1
FUEL RATE	26.1	27.9	30.0	32.3	34.9	37.8	41.1	44.7	48.7	52.6
THROTTLE	18.7	20.5	22.5	24.4	26.4	28.6	31.5	36.5	47.0	72.9
MANIFOLD	8.9	8.0	7.2	6.5	5.9	5.3	4.9	4.5	4.1	3.5
*ENGINE	C78DC7		RPM		TORQUE		G/HR(*.1)			
1977 BUICK	231.0	ENGINE	CC	MAP	CATALYTIC		CONVERTER			
DATA	3.800	3.400	6.	800.	3200.	.0800	.7161			
SPEED POINT 800.0										
LOAD POINT	0.0	4.0	5.4	6.9	8.3	9.8	11.2	12.6	14.1	15.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
THROTTLE	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5
MANIFOLD	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.6	18.5	18.5
LOAD POINT	17.0	18.4	19.8	21.3	22.7	24.2	25.6	27.0	28.5	29.9
EMISSION RATE	0.1	0.2	0.3	0.3	0.5	0.6	0.7	0.8	1.0	1.1
THROTTLE	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
MANIFOLD	18.4	18.3	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6
SPEED POINT 1000.0										
LOAD POINT	-5.2	4.6	14.5	24.3	34.0	43.7	53.5	63.2	73.0	82.7
EMISSION RATE	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.7	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.3	5.5
MANIFOLD	20.3	20.3	19.4	18.7	17.8	16.7	15.1	13.2	11.1	8.9
LOAD POINT	92.5	102.2	111.9	121.7	131.4	141.2	150.9	160.7	170.4	180.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.8	9.7	396.8
THROTTLE	6.9	8.7	10.6	12.3	13.4	14.0	14.8	17.4	27.3	73.0
MANIFOLD	6.8	5.0	3.7	3.0	2.8	3.0	3.4	3.6	2.8	0.2
SPEED POINT 1300.0										
LOAD POINT	-12.9	5.7	15.3	25.0	34.6	44.2	53.9	63.5	73.1	82.8
EMISSION RATE	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
THROTTLE	1.7	1.7	2.2	2.7	3.3	4.0	4.8	5.8	7.0	8.4
MANIFOLD	20.7	20.7	20.1	18.9	17.5	15.8	13.9	12.1	10.3	8.5
LOAD POINT	92.4	102.0	111.7	121.3	130.9	140.6	150.2	159.8	169.5	179.1
EMISSION RATE	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	1.4	477.7
THROTTLE	10.1	11.9	14.0	16.2	18.7	21.6	25.5	31.9	44.4	73.0
MANIFOLD	7.0	5.6	4.4	3.4	2.6	2.0	1.6	1.1	0.7	0.2
SPEED POINT 1700.0										
LOAD POINT	-23.2	6.4	16.4	26.4	36.4	46.3	56.3	66.3	76.3	86.3
EMISSION RATE	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	2.7	2.7	3.3	4.3	5.5	6.6	7.4	8.1	8.8	9.6
MANIFOLD	21.0	21.0	19.9	18.2	16.3	14.3	12.5	10.8	9.3	7.9
LOAD POINT	96.3	106.3	116.3	126.3	136.3	146.3	156.3	166.3	176.3	186.3
EMISSION RATE	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.2	4.0	646.7
THROTTLE	10.9	12.8	15.4	18.6	22.1	25.3	28.3	32.3	41.6	73.0
MANIFOLD	6.8	5.7	4.8	3.9	3.1	2.4	1.7	1.3	1.2	1.3
SPEED POINT 2000.0										
LOAD POINT	-30.9	7.6	17.6	27.5	37.4	47.4	57.3	67.2	77.2	87.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
THROTTLE	1.9	1.9	3.2	4.4	5.3	6.1	6.9	7.7	8.9	10.4
MANIFOLD	20.0	20.0	17.7	15.9	14.5	13.3	12.2	11.1	9.9	8.8
LOAD POINT	97.0	107.0	116.9	126.8	136.8	146.7	156.6	166.6	176.5	186.4
EMISSION RATE	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.3	4.5	751.3
THROTTLE	12.5	14.9	17.7	20.5	23.2	25.7	28.6	33.3	43.9	72.7



MANIFOLD	7.6	6.4	5.3	4.3	3.4	2.7	2.2	1.8	1.5	1.3
SPEED POINT 2400.0										
LOAD POINT	-41.3	9.2	19.0	28.8	38.6	48.4	58.2	68.0	77.8	87.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
THROTTLE	4.9	4.9	5.9	7.0	8.1	9.1	10.0	11.0	12.2	13.6
MANIFOLD	18.0	18.0	16.6	15.4	14.4	13.5	12.5	11.4	10.4	9.2
LOAD POINT	97.4	107.2	117.0	126.8	136.6	146.4	156.2	166.0	175.8	185.5
EMISSION RATE	0.0	0.0	0.0	0.1	0.2	1.0	7.4	63.4	448.2	1109.0
THROTTLE	15.4	17.6	20.2	22.9	25.5	27.9	30.0	34.9	44.8	72.7
MANIFOLD	8.1	7.0	6.0	5.1	4.3	3.7	3.2	2.8	2.5	2.1
SPEED POINT 2800.0										
LOAD POINT	-51.6	9.0	17.9	26.9	35.9	44.8	53.8	62.7	71.7	80.7
EMISSION RATE	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	6.3	6.3	6.9	7.9	9.0	10.1	11.1	12.2	13.4	14.9
MANIFOLD	17.7	17.7	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6
LOAD POINT	89.6	98.6	107.6	116.5	125.5	134.5	143.4	152.4	161.4	170.3
EMISSION RATE	0.0	0.0	0.0	0.1	0.3	1.7	14.2	128.6	803.6	1441.0
THROTTLE	16.8	18.9	21.1	22.9	24.0	24.4	24.8	27.1	36.3	72.7
MANIFOLD	8.7	7.7	6.8	6.0	5.3	4.6	4.0	3.6	3.2	3.0
SPEED POINT 3200.0										
LOAD POINT	-61.9	10.5	18.6	26.7	34.8	42.9	51.0	59.0	67.1	75.2
EMISSION RATE	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	8.4	8.4	9.8	10.9	11.9	12.7	13.6	14.5	15.7	17.1
MANIFOLD	17.0	17.0	15.7	14.8	13.9	13.2	12.4	11.6	10.7	9.8
LOAD POINT	83.3	91.4	99.5	107.6	115.6	123.7	131.8	139.9	148.0	156.1
EMISSION RATE	0.1	0.0	0.1	0.1	0.4	2.7	24.8	237.9	1402.0	637.0
THROTTLE	18.7	20.5	22.5	24.4	26.4	28.6	31.5	36.5	47.0	72.9
MANIFOLD	3.9	3.0	7.2	6.5	5.9	5.3	4.9	4.5	4.1	3.5
*ENGINE		H7BDC7		RPM		TORQUE		G/HR		
1977 BUICK	231.0	ENGINE	HC	MAP		CATALYTIC		CONVERTER		
DATA	3.300	3.400	6.	600.	3200.	.0800	.7161			
SPEED POINT 800.0										
LOAD POINT	0.0	4.0	5.4	6.9	8.3	9.8	11.2	12.6	14.1	15.5
EMISSION RATE	3.5	3.5	3.4	3.3	3.3	3.2	3.2	3.3	3.3	3.4
THROTTLE	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5
MANIFOLD	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.6	18.5	18.5
LOAD POINT	17.0	18.4	19.8	21.3	22.7	24.2	25.6	27.0	28.5	29.9
EMISSION RATE	3.5	3.7	3.8	4.0	4.3	4.5	4.8	5.1	5.4	5.8
THROTTLE	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
MANIFOLD	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.8	12.7	12.6
SPEED POINT 1000.0										
LOAD POINT	-5.2	4.0	14.5	24.3	34.0	43.7	53.5	63.2	73.0	82.7
EMISSION RATE	3.5	4.6	2.8	2.1	2.0	2.0	2.1	2.4	2.8	3.3
THROTTLE	0.7	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.3	5.5
MANIFOLD	20.3	20.3	19.4	18.7	17.8	16.7	15.1	13.2	11.1	8.9
LOAD POINT	92.5	102.2	111.9	121.7	131.4	141.2	150.9	160.7	170.4	180.1
EMISSION RATE	3.7	4.1	4.3	4.5	4.8	5.4	6.9	11.0	24.6	88.2
THROTTLE	6.9	8.7	10.6	12.3	13.4	14.0	14.8	17.4	27.3	73.0
MANIFOLD	6.8	5.0	3.7	3.0	2.8	3.0	3.4	3.6	2.8	0.2
SPEED POINT 1300.0										
LOAD POINT	-12.9	5.7	15.3	25.0	34.6	44.2	53.9	63.5	73.1	82.8
EMISSION RATE	3.5	3.3	2.4	2.2	2.2	2.4	2.7	3.1	3.3	3.4
THROTTLE	1.7	1.7	2.2	2.7	3.3	4.0	4.8	5.8	7.0	8.4
MANIFOLD	20.7	20.7	20.1	18.9	17.5	15.8	13.9	12.1	10.3	8.5
LOAD POINT	92.4	102.0	111.7	121.3	130.9	140.6	150.2	159.8	169.5	179.1
EMISSION RATE	3.3	3.1	2.8	2.5	2.4	2.6	3.5	6.5	18.9	98.7
THROTTLE	10.1	11.9	14.0	16.2	18.7	21.6	25.5	31.9	44.4	73.0
MANIFOLD	7.0	5.6	4.4	3.4	2.6	2.0	1.6	1.1	0.7	0.2
SPEED POINT 1700.0										
LOAD POINT	-23.2	6.4	16.4	26.4	36.4	46.3	56.3	66.3	76.3	86.3
EMISSION RATE	3.5	2.3	2.5	2.7	2.9	3.1	3.5	3.8	4.1	4.3

THRATTLE	2.7	2.7	3.3	4.3	5.5	6.6	7.4	8.1	8.8	9.6
MANIFCLD	21.0	21.0	19.9	18.2	16.3	14.3	12.5	10.8	9.3	7.9
LOAD POINT	90.3	106.3	116.3	126.3	136.3	146.3	156.3	166.3	176.3	186.3
EMISSION RATE	4.4	4.3	4.1	3.9	3.8	4.0	5.1	8.6	21.7	97.5
THRATTLE	10.9	12.8	15.4	18.6	22.1	25.3	28.3	32.3	41.6	73.0
MANIFOLD	6.8	5.7	4.8	3.9	3.1	2.4	1.7	1.3	1.2	1.3
SPEED POINT	2000.0									
LOAD POINT	-30.9	7.6	17.6	27.5	37.4	47.4	57.3	67.2	77.2	87.1
EMISSION RATE	3.5	2.3	3.5	4.0	3.9	3.6	3.3	3.0	2.9	2.8
THRATTLE	1.9	1.9	3.2	4.4	5.3	6.1	6.9	7.7	8.9	10.4
MANIFCLD	20.0	20.0	17.7	15.9	14.5	13.3	12.2	11.1	9.9	8.8
LOAD POINT	97.0	107.0	116.9	126.8	136.8	146.7	156.6	166.6	176.5	186.4
EMISSION RATE	2.7	2.7	2.6	2.6	2.6	3.0	4.0	7.2	20.8	119.1
THRATTLE	12.5	14.9	17.7	20.5	23.2	25.7	28.6	33.3	43.9	72.7
MANIFCLD	7.6	6.4	5.3	4.3	3.4	2.7	2.2	1.8	1.5	1.3
SPEED POINT	2400.0									
LOAD POINT	-41.3	9.2	19.0	28.8	38.6	48.4	58.2	68.0	77.8	87.6
EMISSION RATE	3.5	4.2	3.7	3.3	3.0	2.8	2.7	2.6	2.5	2.6
THRATTLE	4.9	4.9	5.9	7.0	8.1	9.1	10.0	11.0	12.2	13.6
MANIFCLD	18.0	18.0	16.6	15.4	14.4	13.5	12.5	11.4	10.4	9.2
LOAD POINT	97.4	107.2	117.0	126.8	136.6	146.4	156.2	166.0	175.8	185.5
EMISSION RATE	2.7	3.0	3.5	4.3	5.8	8.6	14.2	26.9	59.8	160.0
THRATTLE	15.4	17.6	20.2	22.9	25.5	27.9	30.6	34.9	44.8	72.7
MANIFCLD	8.1	7.0	6.0	5.1	4.3	3.7	3.2	2.8	2.5	2.1
SPEED POINT	2800.0									
LOAD POINT	-51.6	9.0	17.9	26.9	35.9	44.8	53.8	62.7	71.7	80.7
EMISSION RATE	3.5	3.8	2.8	2.6	2.6	2.7	2.7	2.7	2.5	2.3
THRATTLE	6.3	6.3	6.9	7.9	9.0	10.1	11.1	12.2	13.4	14.9
MANIFOLD	17.7	17.7	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6
LOAD POINT	89.6	98.6	107.6	116.5	125.5	134.5	143.4	152.4	161.4	170.3
EMISSION RATE	2.1	2.1	2.2	2.6	3.6	6.0	11.7	26.5	66.6	162.7
THRATTLE	16.8	18.9	21.1	22.9	24.0	24.4	24.8	27.1	36.3	72.7
MANIFCLD	8.7	7.7	6.8	6.0	5.3	4.6	4.0	3.6	3.2	3.0
SPEED POINT	3200.0									
LOAD POINT	-61.9	10.5	18.6	26.7	34.8	42.9	51.0	59.0	67.1	75.2
EMISSION RATE	3.5	3.2	1.7	1.7	1.7	2.0	2.3	2.5	2.4	2.2
THRATTLE	8.4	8.4	9.8	10.9	11.9	12.7	13.6	14.5	15.7	17.1
MANIFOLD	17.0	17.0	15.7	14.8	13.9	13.2	12.4	11.6	10.7	9.8
LOAD POINT	83.3	91.4	99.5	107.6	115.6	123.7	131.8	139.9	148.0	156.1
EMISSION RATE	2.1	2.0	2.3	3.1	5.3	11.0	26.9	68.0	146.5	176.3
THRATTLE	18.7	20.5	22.5	24.4	26.4	28.6	31.5	36.5	47.0	72.9
MANIFOLD	8.9	8.0	7.2	6.5	5.9	5.3	4.9	4.5	4.1	3.5
*ENGINE		N78DC7		RPM		TORQUE		G/HR		
1977 BUICK	231.0	ENGINE	NOX MAP		CATALYTIC	CONVERTER				
DATA	3.800	3.400	6.	800.	3200.	.0800	.7161			
SPEED POINT	800.0									
LOAD POINT	0.0	4.0	5.4	6.9	8.3	9.8	11.2	12.6	14.1	15.5
EMISSION RATE	2.9	2.9	2.9	3.0	3.2	3.3	3.5	3.6	3.9	4.1
THRATTLE	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5
MANIFOLD	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.6	18.5	18.5
LOAD POINT	17.0	18.4	19.8	21.3	22.7	24.2	25.6	27.0	28.5	29.9
EMISSION RATE	4.3	4.6	4.9	5.2	5.5	5.8	6.2	6.5	6.9	7.4
THRATTLE	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
MANIFOLD	18.4	18.3	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6
SPEED POINT	1000.0									
LOAD POINT	-5.2	4.8	14.5	24.3	34.0	43.7	53.5	63.2	73.0	82.7
EMISSION RATE	2.9	3.6	6.1	12.1	25.5	46.0	61.6	60.2	48.4	38.9
THRATTLE	0.7	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.3	5.5
MANIFOLD	20.3	20.3	19.4	18.7	17.8	16.7	15.1	13.2	11.1	8.9
LOAD POINT	92.5	102.2	111.9	121.7	131.4	141.2	150.9	160.7	170.4	180.1
EMISSION RATE	38.2	51.1	89.9	166.5	219.9	150.9	41.8	7.1	3.3	99.2

THRATTLE	6.9	8.7	10.6	12.3	13.4	14.0	14.8	17.4	27.3	73.0
MANIFOLD	6.8	5.0	3.7	3.0	2.8	3.0	3.4	3.6	2.8	0.2
SPEED POINT	1300.0									
LOAD POINT	-12.9	5.7	15.3	25.0	34.6	44.2	53.9	63.5	73.1	82.8
EMISSION RATE	2.9	5.9	12.3	18.5	23.2	26.8	30.0	33.8	38.9	46.4
THRATTLE	1.7	1.7	2.2	2.7	3.3	4.0	4.8	5.8	7.0	8.4
MANIFOLD	20.7	20.7	20.1	18.9	17.5	15.8	13.9	12.1	10.3	8.5
LOAD POINT	92.4	102.0	111.7	121.3	130.9	140.6	150.2	159.8	169.5	179.1
EMISSION RATE	57.7	75.3	103.7	150.6	226.7	337.8	455.0	455.0	296.9	76.4
THRATTLE	10.1	11.9	14.0	16.2	18.7	21.6	25.5	31.9	44.4	73.0
MANIFOLD	7.0	5.6	4.4	3.4	2.6	2.0	1.6	1.1	0.7	0.2
SPEED POINT	1700.0									
LOAD POINT	-23.2	6.4	16.4	26.4	36.4	46.3	56.3	66.3	76.3	86.3
EMISSION RATE	2.9	9.5	20.9	22.7	21.5	22.5	27.5	37.6	53.7	75.7
THRATTLE	2.7	2.7	3.3	4.3	5.5	6.6	7.4	8.1	8.8	9.6
MANIFOLD	21.0	21.0	19.9	18.2	16.3	14.3	12.5	10.8	9.3	7.9
LOAD POINT	96.3	106.3	116.3	126.3	136.3	146.3	156.3	166.3	176.3	186.3
EMISSION RATE	101.9	132.1	170.3	227.9	325.3	486.7	696.3	774.8	506.7	118.4
THRATTLE	10.9	12.8	15.4	18.6	22.1	25.3	28.3	32.3	41.6	73.0
MANIFOLD	6.8	5.7	4.8	3.9	3.1	2.4	1.7	1.3	1.2	1.3
SPEED POINT	2000.0									
LOAD POINT	-30.9	7.6	17.6	27.5	37.4	47.4	57.3	67.2	77.2	87.1
EMISSION RATE	2.9	10.4	13.4	16.2	21.3	30.7	46.6	70.2	99.4	130.1
THRATTLE	1.9	1.9	3.2	4.4	5.3	6.1	6.9	7.7	8.9	10.4
MANIFOLD	20.0	20.0	17.7	15.9	14.5	13.3	12.2	11.1	9.9	8.8
LOAD POINT	97.0	107.0	116.9	126.8	136.8	146.7	156.6	166.6	176.5	186.4
EMISSION RATE	158.8	188.2	227.6	293.9	411.8	604.4	831.9	858.8	516.1	111.3
THRATTLE	12.5	14.9	17.7	20.5	23.2	25.7	28.6	33.3	43.9	72.7
MANIFOLD	7.6	6.4	5.3	4.3	3.4	2.7	2.2	1.8	1.5	1.3
SPEED POINT	2400.0									
LOAD POINT	-41.3	9.2	19.0	28.8	38.6	48.4	58.2	68.0	77.8	87.6
EMISSION RATE	2.9	13.2	17.0	23.0	33.5	50.8	77.2	113.1	156.6	204.6
THRATTLE	4.9	4.9	5.9	7.0	8.1	9.1	10.0	11.0	12.2	13.6
MANIFOLD	18.0	18.0	16.6	15.4	14.4	13.5	12.5	11.4	10.4	9.2
LOAD POINT	97.4	107.2	117.0	126.8	136.6	146.4	156.2	166.0	175.8	185.5
EMISSION RATE	256.1	314.1	384.9	474.5	578.7	623.6	623.6	546.9	317.7	122.1
THRATTLE	15.4	17.6	20.2	22.9	25.5	27.9	30.6	34.9	44.8	72.7
MANIFOLD	8.1	7.0	6.0	5.1	4.3	3.7	3.2	2.8	2.5	2.1
SPEED POINT	2800.0									
LOAD POINT	-51.6	9.0	17.9	26.9	35.9	44.8	53.8	62.7	71.7	80.7
EMISSION RATE	2.9	19.5	24.4	35.6	54.5	83.0	123.5	178.0	247.0	326.9
THRATTLE	6.3	6.3	6.9	7.9	9.0	10.1	11.1	12.2	13.4	14.9
MANIFOLD	17.7	17.7	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6
LOAD POINT	89.6	98.6	107.6	116.5	125.5	134.5	143.4	152.4	161.4	170.3
EMISSION RATE	409.0	481.9	557.5	575.6	603.1	607.0	607.0	537.7	322.3	86.6
THRATTLE	16.8	18.9	21.1	22.9	24.0	24.4	24.8	27.1	36.3	72.7
MANIFOLD	8.7	7.7	6.8	6.0	5.3	4.6	4.0	3.6	3.2	3.0
SPEED POINT	3200.0									
LOAD POINT	-61.9	10.5	18.6	26.7	34.8	42.9	51.0	59.0	67.1	75.2
EMISSION RATE	2.9	27.8	41.8	59.5	85.4	123.1	174.6	238.8	313.6	397.8
THRATTLE	8.4	8.4	9.8	10.9	11.9	12.7	13.6	14.5	15.7	17.1
MANIFOLD	17.0	17.0	15.7	14.8	13.9	13.2	12.4	11.6	10.7	9.8
LOAD POINT	83.3	91.4	99.5	107.6	115.6	123.7	131.8	139.9	148.0	156.1
EMISSION RATE	493.2	600.8	711.1	790.5	782.1	649.0	436.4	247.5	143.0	130.3
THRATTLE	18.7	20.5	22.5	24.4	26.4	28.6	31.5	36.5	47.0	72.9
MANIFOLD	8.9	8.0	7.2	6.5	5.9	5.3	4.9	4.5	4.1	3.5
*ENGINE		X7BUC7		RPM		TORQUE		G/HR(*.1)		
1977 BUICK	231.0	ENGINE	RAW	CO	MAP	CATALYTIC	CC	VERTER		
DATA	3.800	3.400	6.	800.	3200.	.0800	.7161			
SPEED POINT	800.0									
LOAD POINT	0.0	4.0	5.4	6.9	8.3	9.8	11.2	12.6	14.1	15.5

EMISSION RATE	4.7	4.7	5.1	5.5	5.8	6.1	6.4	6.6	6.9	7.1
THROTTLE	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5
MANIFOLD	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.6	18.5	18.5
LOAD POINT	17.0	18.4	19.8	21.3	22.7	24.2	25.6	27.0	28.5	29.9
EMISSION RATE	7.3	7.5	7.7	7.8	7.9	8.1	8.1	8.2	8.3	8.3
THROTTLE	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
MANIFOLD	18.4	18.3	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6
SPEED POINT 1000.0										
LOAD POINT	-5.2	4.8	14.5	24.3	34.0	43.7	53.5	63.2	73.0	82.7
EMISSION RATE	4.7	8.2	6.4	4.7	3.6	3.0	2.8	2.9	3.3	3.8
THROTTLE	0.7	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.3	5.5
MANIFOLD	20.3	20.3	19.4	18.7	17.8	16.7	15.1	13.2	11.1	8.9
LOAD POINT	92.5	102.2	111.9	121.7	131.4	141.2	150.9	160.7	170.4	180.1
EMISSION RATE	4.5	5.0	5.2	5.2	5.0	5.1	6.4	11.9	42.6	415.3
THROTTLE	6.9	8.7	10.6	12.3	13.4	14.0	14.8	17.4	27.3	73.0
MANIFOLD	6.8	5.0	3.7	3.0	2.8	3.0	3.4	3.6	2.8	0.2
SPEED POINT 1300.0										
LOAD POINT	-12.9	5.7	15.3	25.0	34.6	44.2	53.9	63.5	73.1	82.8
EMISSION RATE	4.7	7.3	7.8	8.0	8.0	7.8	7.6	7.4	7.1	6.7
THROTTLE	1.7	1.7	2.2	2.7	3.3	4.0	4.8	5.8	7.0	8.4
MANIFOLD	20.7	20.7	20.1	18.9	17.5	15.8	13.9	12.1	10.3	8.5
LOAD POINT	92.4	102.0	111.7	121.3	130.9	140.6	150.2	159.8	169.5	179.1
EMISSION RATE	6.4	6.0	5.8	5.9	6.5	8.2	12.9	27.6	90.9	530.2
THROTTLE	10.1	11.9	14.0	16.2	18.7	21.6	25.5	31.9	44.4	73.0
MANIFOLD	7.0	5.6	4.4	3.4	2.6	2.0	1.6	1.1	0.7	0.2
SPEED POINT 1700.0										
LOAD POINT	-23.2	6.4	16.4	26.4	36.4	46.3	56.3	66.3	76.3	86.3
EMISSION RATE	4.7	6.8	11.7	13.3	12.3	10.7	9.4	8.7	8.6	8.7
THROTTLE	2.7	2.7	3.3	4.3	5.5	6.6	7.4	8.1	8.8	9.6
MANIFOLD	21.0	21.0	19.9	18.2	16.3	14.3	12.5	10.8	9.3	7.9
LOAD POINT	96.3	106.3	116.3	126.3	136.3	146.3	156.3	166.3	176.3	186.3
EMISSION RATE	8.9	8.8	8.3	7.5	6.8	6.8	7.9	15.1	60.8	765.4
THROTTLE	10.9	12.8	15.4	18.6	22.1	25.3	28.3	32.3	41.6	73.0
MANIFOLD	6.8	5.7	4.8	3.9	3.1	2.4	1.7	1.3	1.2	1.3
SPEED POINT 2000.0										
LOAD POINT	-30.9	7.6	17.6	27.5	37.4	47.4	57.3	67.2	77.2	87.1
EMISSION RATE	4.7	12.4	13.9	14.2	13.8	13.0	12.2	11.3	10.5	9.8
THROTTLE	1.9	1.9	3.2	4.4	5.3	6.1	6.9	7.7	8.9	10.4
MANIFOLD	20.0	20.0	17.7	15.9	14.5	13.3	12.2	11.1	9.9	8.8
LOAD POINT	97.0	107.0	116.9	126.8	136.8	146.7	156.6	166.6	176.5	186.4
EMISSION RATE	9.1	8.6	8.2	8.2	9.0	11.4	18.2	40.4	142.8	941.7
THROTTLE	12.5	14.9	17.7	20.5	23.2	25.7	28.6	33.3	43.9	72.7
MANIFOLD	7.6	6.4	5.3	4.3	3.4	2.7	2.2	1.8	1.5	1.3
SPEED POINT 2400.0										
LOAD POINT	-41.3	9.2	19.0	28.8	38.6	48.4	58.2	68.0	77.8	87.6
EMISSION RATE	4.7	16.2	15.0	15.2	15.6	15.6	14.8	13.3	11.6	10.6
THROTTLE	4.9	4.9	5.9	7.0	8.1	9.1	10.0	11.0	12.2	13.6
MANIFOLD	18.0	18.0	16.6	15.4	14.4	13.5	12.5	11.4	10.4	9.2
LOAD POINT	97.4	107.2	117.0	126.8	136.6	146.4	156.2	166.0	175.8	185.5
EMISSION RATE	10.6	10.6	10.6	10.7	15.5	27.1	57.5	145.7	422.4	1147.0
THROTTLE	15.4	17.6	20.2	22.9	25.5	27.9	30.6	34.9	44.8	72.7
MANIFOLD	8.1	7.0	6.0	5.1	4.3	3.7	3.2	2.8	2.5	2.1
SPEED POINT 2800.0										
LOAD POINT	-51.6	9.0	17.9	26.9	35.9	44.8	53.8	62.7	71.7	80.7
EMISSION RATE	4.7	21.2	19.1	18.2	17.5	16.6	15.3	13.9	12.8	12.8
THROTTLE	6.3	6.3	6.9	7.9	9.0	10.1	11.1	12.2	13.4	14.9
MANIFOLD	17.7	17.7	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6
LOAD POINT	89.6	98.6	107.6	116.5	125.5	134.5	143.4	152.4	161.4	170.3
EMISSION RATE	12.8	12.8	13.6	18.2	28.3	51.2	106.8	250.0	624.1	11466.0
THROTTLE	16.8	18.9	21.1	22.9	24.0	24.4	24.8	27.1	36.3	72.7
MANIFOLD	8.7	7.7	6.8	6.0	5.3	4.6	4.0	3.6	3.2	3.0

SPEED POINT	3200.0										
LOAD POINT	-61.9	10.5	18.6	26.7	34.8	42.9	51.0	59.0	67.1	75.2	
EMISSION RATE	4.7	22.4	15.0	15.0	15.0	16.8	18.4	18.1	16.3	15.0	
THROTTLE	8.4	8.4	9.8	10.9	11.9	12.7	13.6	14.5	15.7	17.1	
MANIFOLD	17.0	17.0	15.7	14.8	13.9	13.2	12.4	11.6	10.7	9.8	
LOAD POINT	83.3	91.4	99.5	107.6	115.6	123.7	131.8	139.9	148.0	156.1	
EMISSION RATE	15.0	15.0	15.0	19.7	35.9	82.4	221.3	608.3	1380.3	1669.0	
THROTTLE	18.7	20.5	22.5	24.4	26.4	28.6	31.5	36.5	47.0	72.9	
MANIFOLD	8.9	8.0	7.2	6.5	5.9	5.3	4.9	4.5	4.1	3.5	
*ENGINE		Y780C7		RPM		TORQUE		G/HR			
1977 BUICK	231.0	ENGINE	RAW HC	MAP		CATALYTIC		CONVERTER			
DATA	3.800	3.400	6.	800.	3200.	.0800	.7161				
SPEED POINT	800.0										
LOAD POINT	0.0	4.0	5.4	6.9	8.3	9.8	11.2	12.6	14.1	15.5	
EMISSION RATE	113.9	113.9	108.9	103.9	98.9	94.0	89.2	84.4	79.7	75.0	
THROTTLE	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	
MANIFOLD	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.6	18.5	18.5	
LOAD POINT	17.0	18.4	19.8	21.3	22.7	24.2	25.6	27.0	28.5	29.9	
EMISSION RATE	70.4	65.8	61.3	56.8	52.4	48.0	43.7	39.5	35.3	31.1	
THROTTLE	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	
MANIFOLD	13.4	18.3	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6	
SPEED POINT	1000.0										
LOAD POINT	-5.2	4.8	14.5	24.3	34.0	43.7	53.5	63.2	73.0	82.7	
EMISSION RATE	113.9	80.1	31.7	24.1	24.1	25.2	28.9	31.6	32.1	30.6	
THROTTLE	0.7	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.3	5.5	
MANIFOLD	20.3	20.3	19.4	18.7	17.8	16.7	15.1	13.2	11.1	8.9	
LOAD POINT	92.5	102.2	111.9	121.7	131.4	141.2	150.9	160.7	170.4	180.1	
EMISSION RATE	28.2	26.5	26.4	29.0	36.1	50.3	74.6	103.6	103.6	96.9	
THROTTLE	6.9	8.7	10.6	12.3	13.4	14.0	14.8	17.4	27.3	73.0	
MANIFOLD	6.8	5.0	3.7	3.0	2.8	3.0	3.4	3.6	2.8	0.2	
SPEED POINT	1300.0										
LOAD POINT	-12.9	5.7	15.3	25.0	34.6	44.2	53.9	63.5	73.1	82.8	
EMISSION RATE	113.9	59.0	30.1	24.9	26.8	32.0	38.1	42.2	42.6	39.2	
THROTTLE	1.7	1.7	2.2	2.7	3.3	4.0	4.8	5.8	7.0	8.4	
MANIFOLD	20.7	20.7	20.1	18.9	17.5	15.8	13.9	12.1	10.3	8.5	
LOAD POINT	92.4	102.0	111.7	121.3	130.9	140.6	150.2	159.8	169.5	179.1	
EMISSION RATE	33.7	28.3	24.3	22.3	22.8	26.7	35.6	52.5	80.2	113.1	
THROTTLE	10.1	11.9	14.0	16.2	18.7	21.6	25.5	31.9	44.4	73.0	
MANIFOLD	7.0	5.6	4.4	3.4	2.6	2.0	1.6	1.1	0.7	0.2	
SPEED POINT	1700.0										
LOAD POINT	-23.2	6.4	16.4	26.4	36.4	46.3	56.3	66.3	76.3	86.3	
EMISSION RATE	113.9	34.5	25.3	26.7	33.3	42.8	51.9	56.6	54.9	48.0	
THROTTLE	2.7	2.7	3.3	4.3	5.5	6.6	7.4	8.1	8.8	9.6	
MANIFOLD	21.0	21.0	19.9	18.2	16.3	14.3	12.5	10.8	9.3	7.9	
LOAD POINT	96.3	106.3	116.3	126.3	136.3	146.3	156.3	166.3	176.3	186.3	
EMISSION RATE	39.3	31.5	26.1	23.5	23.8	27.9	37.8	57.0	89.1	128.2	
THROTTLE	10.9	12.8	15.4	18.6	22.1	25.3	28.3	32.3	41.6	73.0	
MANIFOLD	6.8	5.7	4.8	3.9	3.1	2.4	1.7	1.3	1.2	1.3	
SPEED POINT	2000.0										
LOAD POINT	-30.9	7.6	17.6	27.5	37.4	47.4	57.3	67.2	77.2	87.1	
EMISSION RATE	113.9	46.2	56.9	63.9	65.8	62.7	56.1	47.9	39.8	32.7	
THROTTLE	1.9	1.9	3.2	4.4	5.3	6.1	6.9	7.7	8.9	10.4	
MANIFOLD	20.0	20.0	17.7	15.9	14.5	13.3	12.2	11.1	9.9	8.8	
LOAD POINT	97.0	107.0	116.9	126.8	136.8	146.7	156.6	166.6	176.5	186.4	
EMISSION RATE	27.2	23.4	21.2	20.8	21.9	25.8	34.0	50.7	85.6	161.3	
THROTTLE	12.5	14.9	17.7	20.5	23.2	25.7	28.6	33.3	43.9	72.7	
MANIFOLD	7.6	6.4	5.3	4.3	3.4	2.7	2.2	1.8	1.5	1.3	
SPEED POINT	2400.0										
LOAD POINT	-41.3	9.2	19.0	28.8	38.6	48.4	58.2	68.0	77.8	87.6	
EMISSION RATE	113.9	113.9	68.3	51.8	45.2	42.5	40.9	39.2	37.0	34.4	
THROTTLE	4.9	4.9	5.9	7.0	8.1	9.1	10.0	11.0	12.2	13.6	

MANIFOLD	18.0	18.0	16.6	15.4	14.4	13.5	12.5	11.4	10.4	9.2
LOAD POINT	97.4	107.2	117.0	126.8	136.6	146.4	156.2	166.0	175.8	185.5
EMISSION RATE	31.7	29.6	28.6	29.1	32.0	38.6	51.5	76.0	122.0	193.6
THROTTLE	15.4	17.6	20.2	22.9	25.5	27.9	30.6	34.9	44.8	72.7
MANIFOLD	8.1	7.0	6.0	5.1	4.3	3.7	3.2	2.8	2.5	2.1
SPEED POINT	2800.0									
LOAD POINT	-51.6	9.0	17.9	26.9	35.9	44.8	53.8	62.7	71.7	80.7
EMISSION RATE	113.9	98.1	62.6	46.2	38.1	33.8	31.8	31.0	31.0	31.3
THROTTLE	6.3	6.3	6.9	7.9	9.0	10.1	11.1	12.2	13.4	14.9
MANIFOLD	17.7	17.7	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6
LOAD POINT	89.6	98.6	107.6	116.5	125.5	134.5	143.4	152.4	161.4	170.3
EMISSION RATE	32.3	33.9	36.3	39.9	45.4	53.9	67.3	89.1	125.9	186.0
THROTTLE	16.8	18.9	21.1	22.9	24.0	24.4	24.8	27.1	36.3	72.7
MANIFOLD	8.7	7.7	6.8	6.0	5.3	4.6	4.0	3.6	3.2	3.0
SPEED POINT	3200.0									
LOAD POINT	-61.9	10.5	18.6	26.7	34.8	42.9	51.0	59.0	67.1	75.2
EMISSION RATE	113.9	65.3	36.2	28.3	27.0	28.2	30.2	31.9	32.7	32.5
THROTTLE	8.4	8.4	9.8	10.9	11.9	12.7	13.6	14.5	15.7	17.1
MANIFOLD	17.0	17.0	15.7	14.8	13.9	13.2	12.4	11.6	10.7	9.8
LOAD POINT	83.3	91.4	99.5	107.6	115.6	123.7	131.8	139.9	148.0	156.1
EMISSION RATE	32.0	32.0	33.3	37.1	45.0	59.5	84.7	124.8	177.6	206.0
THROTTLE	18.7	20.5	22.5	24.4	26.4	28.6	31.5	36.5	47.0	72.9
MANIFOLD	8.9	8.0	7.2	6.5	5.9	5.3	4.9	4.5	4.1	3.5
*ENGINE	Z7BDC7				RPM		TORQUE		G/HR	
1977 BUICK	231.0	ENGINE	RAW	NOX	MAP		CATALYTIC		CONVERTER	
DATA	3.800	3.400	6.	800.	3200.	.0800	.7161			
SPEED POINT	800.0									
LOAD POINT	0.0	4.0	5.4	6.9	8.3	9.8	11.2	12.6	14.1	15.5
EMISSION RATE	1.7	1.7	1.7	1.8	2.0	2.2	2.5	2.9	3.3	3.8
THROTTLE	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5
MANIFOLD	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.6	18.5	18.5
LOAD POINT	17.0	18.4	19.8	21.3	22.7	24.2	25.6	27.0	28.5	29.9
EMISSION RATE	4.4	5.1	5.8	6.6	7.5	8.5	9.5	10.6	11.8	13.0
THROTTLE	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
MANIFOLD	18.4	18.3	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6
SPEED POINT	1000.0									
LOAD POINT	-5.2	4.8	14.5	24.3	34.0	43.7	53.5	63.2	73.0	82.7
EMISSION RATE	1.7	2.9	6.9	13.0	27.7	55.5	79.1	71.6	47.0	30.4
THROTTLE	0.7	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.3	5.5
MANIFOLD	20.3	20.3	19.4	18.7	17.8	16.7	15.1	13.2	11.1	8.9
LOAD POINT	92.5	102.2	111.9	121.7	131.4	141.2	150.9	160.7	170.4	180.1
EMISSION RATE	27.4	42.0	101.1	242.9	242.9	87.4	4.4	2.8	2.8	117.2
THROTTLE	6.9	8.7	10.6	12.3	13.4	14.0	14.8	17.4	27.3	73.0
MANIFOLD	6.8	5.0	3.7	3.0	2.8	3.0	3.4	3.6	2.8	0.2
SPEED POINT	1300.0									
LOAD POINT	-12.9	5.7	15.3	25.0	34.6	44.2	53.9	63.5	73.1	82.8
EMISSION RATE	1.7	5.3	12.6	20.6	25.5	27.5	28.3	29.9	33.6	40.8
THROTTLE	1.7	1.7	2.2	2.7	3.3	4.0	4.8	5.8	7.0	8.4
MANIFOLD	20.7	20.7	20.1	18.9	17.5	15.8	13.9	12.1	10.3	8.5
LOAD POINT	92.4	102.0	111.7	121.3	130.9	140.6	150.2	159.8	169.5	179.1
EMISSION RATE	53.1	72.8	103.6	150.9	222.2	323.5	439.6	480.9	350.2	102.0
THROTTLE	10.1	11.9	14.0	16.2	18.7	21.6	25.5	31.9	44.4	73.0
MANIFOLD	7.0	5.6	4.4	3.4	2.6	2.0	1.6	1.1	0.7	0.2
SPEED POINT	1700.0									
LOAD POINT	-23.2	6.4	16.4	26.4	36.4	46.3	56.3	66.3	76.3	86.3
EMISSION RATE	1.7	9.5	22.8	22.7	19.6	19.3	24.7	35.2	52.1	74.1
THROTTLE	2.7	2.7	3.3	4.3	5.5	6.6	7.4	8.1	8.8	9.6
MANIFOLD	21.0	21.0	19.9	18.2	16.3	14.3	12.5	10.8	9.3	7.9
LOAD POINT	96.3	106.3	116.3	126.3	136.3	146.3	156.3	166.3	176.3	186.3
EMISSION RATE	98.6	125.4	160.7	218.8	324.4	505.1	733.0	791.1	503.5	130.6
THROTTLE	10.9	12.8	15.4	18.6	22.1	25.3	28.3	32.3	41.6	73.0

MANIFOLD	6.8	5.7	4.8	3.9	3.1	2.4	1.7	1.3	1.2	1.3
SPEED POINT 2000.0										
LOAD POINT	-30.9	7.6	17.6	27.5	37.4	47.4	57.3	67.2	77.2	87.1
EMISSION RATE	1.7	9.1	11.5	14.1	18.6	26.9	40.9	61.9	89.1	119.6
THROTTLE	1.9	1.9	3.2	4.4	5.3	6.1	6.9	7.7	8.9	10.4
MANIFOLD	20.0	20.0	17.7	15.9	14.5	13.3	12.2	11.1	9.9	8.8
LOAD POINT	97.0	107.0	116.9	126.8	136.8	146.7	156.6	166.6	176.5	186.4
EMISSION RATE	151.0	185.1	230.0	300.8	419.7	605.5	818.6	846.8	535.3	131.7
THROTTLE	12.5	14.9	17.7	20.5	23.2	25.7	28.6	33.3	43.9	72.7
MANIFOLD	7.6	6.4	5.3	4.3	3.4	2.7	2.2	1.8	1.5	1.3
SPEED POINT 2400.0										
LOAD POINT	-41.3	9.2	19.0	28.8	38.6	48.4	58.2	68.0	77.8	87.6
EMISSION RATE	1.7	11.2	15.6	21.6	31.4	47.7	73.6	111.0	159.4	214.9
THROTTLE	4.9	4.9	5.9	7.0	8.1	9.1	10.0	11.0	12.2	13.6
MANIFOLD	18.0	18.0	16.6	15.4	14.4	13.5	12.5	11.4	10.4	9.2
LOAD POINT	97.4	107.2	117.0	126.8	136.6	146.4	156.2	166.0	175.8	185.5
EMISSION RATE	272.8	331.9	396.2	474.7	574.9	690.4	699.8	699.8	476.5	170.7
THROTTLE	15.4	17.6	20.2	22.9	25.5	27.9	30.6	34.9	44.8	72.7
MANIFOLD	8.1	7.0	6.0	5.1	4.3	3.7	3.2	2.8	2.5	2.1
SPEED POINT 2800.0										
LOAD POINT	-51.6	9.0	17.9	26.9	35.9	44.8	53.8	62.7	71.7	80.7
EMISSION RATE	1.7	17.7	22.8	33.6	52.0	80.7	123.1	181.7	256.4	341.6
THROTTLE	6.3	6.3	6.9	7.9	9.0	10.1	11.1	12.2	13.4	14.9
MANIFOLD	17.7	17.7	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6
LOAD POINT	89.6	98.6	107.6	116.5	125.5	134.5	143.4	152.4	161.4	170.3
EMISSION RATE	426.1	497.9	551.5	592.1	633.3	686.3	708.1	708.1	522.6	183.0
THROTTLE	16.8	18.9	21.1	22.9	24.0	24.4	24.8	27.1	36.3	72.7
MANIFOLD	8.7	7.7	6.8	6.0	5.3	4.6	4.0	3.6	3.2	3.0
SPEED POINT 3200.0										
LOAD POINT	-61.9	10.5	18.6	26.7	34.8	42.9	51.0	59.0	67.1	75.2
EMISSION RATE	1.7	23.7	38.9	58.3	85.2	123.0	174.8	241.6	322.2	414.5
THROTTLE	8.4	8.4	9.8	10.9	11.9	12.7	13.6	14.5	15.7	17.1
MANIFOLD	17.0	17.0	15.7	14.8	13.9	13.2	12.4	11.6	10.7	9.8
LOAD POINT	83.3	91.4	99.5	107.6	115.6	123.7	131.8	139.9	148.0	156.1
EMISSION RATE	515.2	618.7	712.3	772.0	765.6	674.2	519.2	359.3	250.1	225.5
THROTTLE	18.7	20.5	22.5	24.4	26.4	28.6	31.5	36.5	47.0	72.9
MANIFOLD	8.9	8.0	7.2	6.5	5.9	5.3	4.9	4.5	4.1	3.5

A.2 1976 CHEVROLET 85 CID (1.4 LITER), 1 BBL

*ENGINE 1976 CHEV DATA 1 BBL	85.0 3.228	F6CAG7 ENGINE 2.606	FUEL 4.	RPM MAP 700.	TORQUE CATALYTIC 5300.	.0500	LB/HR CONVERTER .7160				
SPEED POINT	700.0										
LOAD POINT	0.0	5.0	6.1	7.2	8.3	9.4	10.5	11.6	12.7	13.8	
FUEL RATE	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	
THRATTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	
MANIFOLD	10.3	10.3	16.9	22.7	27.8	32.1	35.6	38.3	40.3	41.4	
LOAD POINT	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.6	23.7	24.8	
FUEL RATE	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	
THRATTLE	1.0	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3	
MANIFOLD	41.7	41.4	40.3	38.3	35.6	32.1	27.8	22.7	16.9	10.3	
SPEED POINT	800.0										
LOAD POINT	-1.4	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9	
FUEL RATE	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	
THRATTLE	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	
MANIFOLD	17.9	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7	
LOAD POINT	10.0	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0	
FUEL RATE	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	
THRATTLE	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	
MANIFOLD	15.4	15.0	14.7	14.4	14.0	13.7	13.3	13.0	12.6	12.2	
SPEED POINT	1000.0										
LOAD POINT	-4.3	0.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8	
FUEL RATE	1.3	2.0	2.0	2.0	2.1	2.2	2.3	2.5	2.6	2.8	
THRATTLE	4.5	4.5	2.5	3.0	4.3	5.9	6.8	6.7	6.2	5.7	
MANIFOLD	18.0	18.0	17.1	16.7	16.4	16.1	15.6	14.9	13.7	12.4	
LOAD POINT	27.9	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8	
FUEL RATE	3.0	3.2	3.4	3.6	3.9	4.3	4.7	5.2	5.9	6.7	
THRATTLE	5.7	6.3	7.7	9.9	12.4	14.2	14.9	15.9	22.7	75.0	
MANIFOLD	10.7	9.0	7.2	5.5	3.9	2.6	1.6	0.9	0.4	0.1	
SPEED POINT	1500.0										
LOAD POINT	-11.3	3.0	6.2	9.4	12.6	15.8	18.9	22.1	25.3	28.5	
FUEL RATE	1.3	2.5	2.4	2.5	2.7	3.0	3.3	3.6	4.0	4.3	
THRATTLE	2.0	2.0	2.2	2.3	2.6	3.0	3.6	4.4	5.2	5.9	
MANIFOLD	19.4	19.4	19.3	18.8	18.0	17.0	15.8	14.4	13.0	11.5	
LOAD POINT	31.7	34.9	38.1	41.3	44.5	47.7	50.9	54.1	57.3	60.5	
FUEL RATE	4.6	5.0	5.3	5.8	6.3	7.1	8.0	9.2	10.8	12.5	
THRATTLE	6.3	6.6	7.0	7.8	9.6	13.5	21.7	37.8	62.6	75.0	
MANIFOLD	10.0	8.5	7.2	6.0	4.9	3.9	2.9	2.0	1.0	0.0	
SPEED POINT	2000.0										
LOAD POINT	-18.4	0.9	4.5	8.1	11.7	15.3	19.0	22.6	26.2	29.8	
FUEL RATE	1.3	2.7	3.0	3.4	3.9	4.5	5.0	5.5	5.9	6.4	
THRATTLE	4.0	4.0	3.8	4.6	5.9	7.4	8.7	9.6	10.3	11.0	
MANIFOLD	20.0	20.6	20.3	18.6	16.4	14.2	12.1	10.3	9.0	7.9	
LOAD POINT	33.4	37.0	40.6	44.3	47.9	51.5	55.1	58.7	62.3	65.9	
FUEL RATE	6.8	7.2	7.6	8.1	8.7	9.5	10.5	11.8	13.5	15.7	
THRATTLE	12.0	13.4	15.2	17.5	19.8	21.9	24.0	27.6	37.9	75.0	
MANIFOLD	7.2	6.6	6.0	5.3	4.5	3.5	2.3	1.2	0.3	0.0	
SPEED POINT	2500.0										
LOAD POINT	-25.5	3.0	6.7	10.4	14.2	17.9	21.6	25.4	29.1	32.8	
FUEL RATE	1.3	3.4	3.9	4.5	5.1	5.7	6.3	6.9	7.5	8.1	
THRATTLE	7.6	7.6	7.1	8.6	10.8	13.1	14.6	15.3	15.6	15.8	
MANIFOLD	21.0	21.0	19.2	17.0	15.0	13.4	12.1	10.9	9.9	9.0	
LOAD POINT	36.6	40.3	44.0	47.8	51.5	55.2	59.0	62.7	66.4	70.2	
FUEL RATE	8.7	9.3	9.9	10.6	11.4	12.3	13.3	14.5	15.9	17.6	
THRATTLE	16.6	18.2	20.8	24.3	28.3	31.9	35.0	38.7	48.1	75.0	
MANIFOLD	8.0	7.1	6.1	5.0	3.9	2.7	1.6	0.7	0.1	0.1	
SPEED POINT	3000.0										
LOAD POINT	-32.6	4.0	7.6	11.3	15.0	18.6	22.3	26.0	29.7	33.3	
FUEL RATE	1.3	5.3	5.6	6.0	6.6	7.1	7.8	8.4	9.0	9.7	
THRATTLE	8.2	8.2	8.6	9.3	10.2	11.2	12.2	13.3	14.5	15.9	



MANIFOLD	16.5	16.5	16.1	15.4	14.6	13.6	12.5	11.4	10.2	9.0
LOAD POINT	37.0	40.7	44.3	48.0	51.7	55.4	59.0	62.7	66.4	70.0
FUEL RATE	10.4	11.1	11.9	12.7	13.6	14.7	15.9	17.3	19.0	21.1
THROTTLE	17.5	19.4	21.7	24.5	27.8	32.1	37.7	45.5	57.6	75.0
MANIFOLD	7.9	6.7	5.7	4.6	3.7	2.8	2.1	1.5	1.0	0.8
SPEED POINT	3400.0									
LOAD POINT	-38.3	0.0	3.9	7.8	11.7	15.6	19.5	23.5	27.4	31.3
FUEL RATE	1.3	5.9	6.2	6.6	7.2	8.0	8.7	9.5	10.4	11.2
THROTTLE	9.0	9.0	9.4	10.0	10.8	11.8	13.0	14.4	16.1	17.9
MANIFOLD	17.2	17.2	16.4	15.7	14.9	14.0	13.0	11.9	10.7	9.4
LOAD POINT	35.2	39.1	43.0	46.9	50.8	54.7	58.6	62.6	66.5	70.4
FUEL RATE	12.1	12.9	13.8	14.7	15.8	16.9	18.3	19.8	21.8	24.1
THROTTLE	19.9	22.2	24.7	27.7	31.3	35.8	41.8	50.0	61.5	75.0
MANIFOLD	8.1	6.8	5.6	4.5	3.5	2.7	2.1	1.7	1.4	1.1
SPEED POINT	4500.0									
LOAD POINT	-53.9	0.9	4.5	8.0	11.6	15.2	18.7	22.3	25.9	29.4
FUEL RATE	1.3	8.3	9.3	10.6	11.6	12.3	13.0	13.6	14.2	14.9
THROTTLE	11.5	11.5	13.6	14.8	16.0	17.6	19.9	22.6	25.5	28.2
MANIFOLD	18.0	18.0	17.0	15.8	14.6	13.4	12.1	10.9	9.6	8.5
LOAD POINT	33.0	36.6	40.1	43.7	47.3	50.8	54.4	58.0	61.5	65.1
FUEL RATE	15.7	16.7	17.9	19.3	20.9	22.8	25.0	27.3	29.9	32.3
THROTTLE	30.1	31.4	32.3	33.5	35.9	40.4	48.2	59.8	72.4	75.0
MANIFOLD	7.4	6.5	5.6	5.0	4.4	3.9	3.4	2.9	2.1	1.0
SPEED POINT	5300.0									
LOAD POINT	-65.2	0.8	3.8	6.7	9.7	12.7	15.7	18.7	21.6	24.6
FUEL RATE	1.3	14.1	13.9	14.0	14.3	14.8	15.4	16.0	16.8	17.7
THROTTLE	17.1	17.1	17.4	18.0	19.2	21.2	23.9	27.2	30.6	33.8
MANIFOLD	17.0	17.0	16.2	15.3	14.4	13.6	12.7	11.8	10.7	9.7
LOAD POINT	27.6	30.6	33.5	36.5	39.5	42.5	45.5	48.4	51.4	54.4
FUEL RATE	18.6	19.6	20.8	22.0	23.5	25.1	27.1	29.3	32.0	35.2
THROTTLE	36.4	38.3	39.8	41.4	43.8	47.9	54.2	62.8	71.6	74.7
MANIFOLD	8.5	7.5	6.4	5.5	4.7	4.1	3.5	3.0	2.5	1.8
*ENGINE		C6CAG7		RPM		TORQUE		G/HR(*.1)		
1976 CHEV	85.0	ENGINE	CO MAP			CATALYTIC		CONVERTER		
DATA	3.228	2.606	4.	700.	5300.	.0500		.7160		
SPEED POINT	700.0									
LOAD POINT	0.0	5.0	6.1	7.2	8.3	9.4	10.5	11.6	12.7	13.8
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8
MANIFOLD	10.3	10.3	16.9	22.7	27.8	32.1	35.6	38.3	40.3	41.4
LOAD POINT	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.6	23.7	24.8
EMISSION RATE	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.3
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3
MANIFOLD	41.7	41.4	40.3	38.3	35.6	32.1	27.8	22.7	16.9	10.3
SPEED POINT	800.0									
LOAD POINT	-1.4	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	0.1	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9
MANIFOLD	17.9	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7
LOAD POINT	10.0	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0
EMISSION RATE	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0
MANIFOLD	15.4	15.0	14.7	14.4	14.0	13.7	13.3	13.0	12.6	12.2
SPEED POINT	1000.0									
LOAD POINT	-4.3	0.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8
EMISSION RATE	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
THROTTLE	4.5	4.5	2.5	3.0	4.3	5.9	6.8	6.7	6.2	5.7
MANIFOLD	18.0	18.0	17.1	16.7	16.4	16.1	15.6	14.9	13.7	12.4
LOAD POINT	27.9	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8
EMISSION RATE	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.4	3.9	221.2
THROTTLE	5.7	6.3	7.7	9.9	12.4	14.2	14.9	15.9	22.7	75.0

MANIFOLD	10.7	9.0	7.2	5.5	3.9	2.6	1.6	0.9	0.4	0.1
SPEED POINT 1500.0										
LOAD PCINT	-11.3	3.0	6.2	9.4	12.6	15.8	18.9	22.1	25.3	28.5
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
THROTTLE	2.0	2.0	2.2	2.3	2.6	3.0	3.6	4.4	5.2	5.9
MANIFOLD	19.4	19.4	19.3	18.8	18.0	17.0	15.8	14.4	13.0	11.5
LOAD POINT	31.7	34.9	38.1	41.3	44.5	47.7	50.9	54.1	57.3	60.5
EMISSION RATE	0.0	0.1	0.1	0.2	0.7	3.2	16.9	89.0	354.7	647.7
THROTTLE	6.3	6.6	7.0	7.8	9.6	13.5	21.7	37.8	62.6	75.0
MANIFOLD	10.0	3.5	7.2	6.0	4.9	3.9	2.9	2.0	1.0	0.0
SPEED POINT 2000.0										
LOAD POINT	-18.4	0.9	4.5	8.1	11.7	15.3	19.0	22.6	26.2	29.8
EMISSION RATE	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.1
THROTTLE	4.0	4.0	3.8	4.6	5.9	7.4	8.7	9.6	10.3	11.0
MANIFOLD	20.6	20.6	20.3	18.6	16.4	14.2	12.1	10.3	9.0	7.9
LOAD PCINT	33.4	37.0	40.6	44.3	47.9	51.5	55.1	58.7	62.3	65.9
EMISSION RATE	0.1	0.1	0.1	0.2	0.7	4.6	37.3	265.5	780.8	656.0
THROTTLE	12.0	13.4	15.2	17.5	19.8	21.9	24.0	27.6	37.9	75.0
MANIFOLD	7.2	6.6	6.0	5.3	4.5	3.5	2.3	1.2	0.3	0.0
SPEED POINT 2500.0										
LOAD POINT	-25.5	3.0	6.7	10.4	14.2	17.9	21.6	25.4	29.1	32.8
EMISSION RATE	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.7
THROTTLE	7.6	7.6	7.1	8.6	10.8	13.1	14.6	15.3	15.6	15.8
MANIFOLD	21.0	21.0	19.2	17.0	15.0	13.4	12.1	10.9	9.9	9.0
LOAD PCINT	36.6	40.3	44.0	47.8	51.5	55.2	59.0	62.7	66.4	70.2
EMISSION RATE	0.6	0.5	0.4	0.3	0.3	0.3	0.6	2.4	24.2	682.5
THROTTLE	16.6	18.2	20.8	24.3	28.3	31.9	35.0	38.7	48.1	75.0
MANIFOLD	8.0	7.1	6.1	5.0	3.9	2.7	1.6	0.7	0.1	0.1
SPEED POINT 3000.0										
LOAD POINT	-32.6	4.0	7.6	11.3	15.0	18.6	22.3	26.0	29.7	33.3
EMISSION RATE	0.1	0.1	0.8	2.0	1.9	1.1	0.6	0.4	0.3	0.3
THROTTLE	8.2	8.2	8.6	9.3	10.2	11.2	12.2	13.3	14.5	15.9
MANIFOLD	16.5	16.5	16.1	15.4	14.6	13.6	12.5	11.4	10.2	9.0
LOAD PCINT	37.0	40.7	44.3	48.0	51.7	55.4	59.0	62.7	66.4	70.0
EMISSION RATE	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.4	14.8	812.3
THROTTLE	17.5	19.4	21.7	24.5	27.8	32.1	37.7	45.5	57.6	75.0
MANIFOLD	7.9	6.7	5.7	4.6	3.7	2.8	2.1	1.5	1.0	0.8
SPEED POINT 3400.0										
LOAD POINT	-38.3	0.0	3.9	7.8	11.7	15.6	19.5	23.5	27.4	31.3
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
THROTTLE	9.0	9.0	9.4	10.0	10.8	11.8	13.0	14.4	16.1	17.9
MANIFOLD	17.2	17.2	16.4	15.7	14.9	14.0	13.0	11.9	10.7	9.4
LOAD PCINT	35.2	39.1	43.0	46.9	50.8	54.7	58.6	62.6	66.5	70.4
EMISSION RATE	0.2	0.2	0.2	0.3	0.6	1.5	5.7	28.7	174.0	890.6
THROTTLE	19.9	22.2	24.7	27.7	31.3	35.8	41.8	50.0	61.5	75.0
MANIFOLD	8.1	6.8	5.6	4.5	3.5	2.7	2.1	1.7	1.4	1.1
SPEED POINT 4500.0										
LOAD POINT	-53.9	0.9	4.5	8.0	11.6	15.2	18.7	22.3	25.9	29.4
EMISSION RATE	0.1	95.4	258.6	251.5	113.7	31.0	6.5	1.3	0.3	0.2
THROTTLE	11.5	11.5	13.6	14.8	16.0	17.6	19.9	22.6	25.5	28.2
MANIFOLD	18.0	18.0	17.0	15.8	14.6	13.4	12.1	10.9	9.6	8.5
LOAD POINT	33.0	36.6	40.1	43.7	47.3	50.8	54.4	58.0	61.5	65.1
EMISSION RATE	0.2	0.2	0.2	0.4	2.1	15.2	114.0	626.6	1341.0	1077.2
THROTTLE	30.1	31.4	32.3	33.5	35.9	40.4	48.2	59.8	72.4	75.0
MANIFOLD	7.4	6.5	5.6	5.0	4.4	3.9	3.4	2.9	2.1	1.0
SPEED POINT 5300.0										
LOAD POINT	-65.2	0.8	3.8	6.7	9.7	12.7	15.7	18.7	21.6	24.6
EMISSION RATE	0.1	571.4	881.7	496.2	183.5	67.1	31.2	21.0	20.9	28.9
THROTTLE	17.1	17.1	17.4	18.0	19.2	21.2	23.9	27.2	30.6	33.8
MANIFOLD	17.0	17.0	16.2	15.3	14.4	13.6	12.7	11.8	10.7	9.7
LOAD POINT	27.6	30.6	33.5	36.5	39.5	42.5	45.5	48.4	51.4	54.4

EMISSION RATE	49.9	94.1	168.4	254.5	304.4	290.0	245.2	232.0	360.3	319.0
THROTTLE	36.4	38.3	39.8	41.4	43.8	47.9	54.2	62.8	71.6	74.7
MANIFOLD	8.5	7.5	6.4	5.5	4.7	4.1	3.5	3.0	2.5	1.8
*ENGINE	H6CAG7		RPM		TORQUE		G/HR			
1976 CHEV	85.0	ENGINE	HC	MAP	CATALYTIC		CONVERTER			
DATA	3.228	2.606	4.	700.	5300.	.0500	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	5.0	6.1	7.2	8.3	9.4	10.5	11.6	12.7	13.8
EMISSION RATE	2.7	2.7	2.6	2.7	2.9	3.1	3.5	3.9	4.4	5.0
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8
MANIFOLD	10.3	10.3	16.9	22.7	27.8	32.1	35.6	38.3	40.3	41.4
LOAD POINT	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.6	23.7	24.8
EMISSION RATE	5.7	6.5	7.4	8.3	9.4	10.5	11.8	13.1	14.5	16.0
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3
MANIFOLD	41.7	41.4	40.3	38.3	35.6	32.1	27.8	22.7	16.9	10.3
SPEED POINT	800.0									
LOAD POINT	-1.4	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	2.7	0.9	1.7	2.5	3.2	3.3	4.4	5.0	5.5	6.0
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9
MANIFOLD	17.9	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7
LOAD POINT	10.0	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0
EMISSION RATE	6.4	6.8	7.2	7.5	7.8	8.0	8.2	8.3	8.4	8.5
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0
MANIFOLD	15.4	15.0	14.7	14.4	14.0	13.7	13.3	13.0	12.6	12.2
SPEED POINT	1000.0									
LOAD POINT	-4.3	0.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8
EMISSION RATE	2.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8
THROTTLE	4.5	4.5	2.5	3.0	4.3	5.9	6.8	6.7	6.2	5.7
MANIFOLD	18.0	18.0	17.1	16.7	16.4	16.1	15.6	14.9	13.7	12.4
LOAD POINT	27.9	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8
EMISSION RATE	0.8	0.8	0.7	0.7	0.7	0.9	1.2	2.6	9.5	80.8
THROTTLE	5.7	6.3	7.7	9.9	12.4	14.2	14.9	15.9	22.7	75.0
MANIFOLD	10.7	9.0	7.2	5.5	3.9	2.6	1.6	0.9	0.4	0.1
SPEED POINT	1500.0									
LOAD POINT	-11.3	3.0	6.2	9.4	12.6	15.8	18.9	22.1	25.3	28.5
EMISSION RATE	2.7	1.0	1.0	1.1	1.3	1.2	1.1	0.8	0.7	0.6
THROTTLE	2.0	2.0	2.2	2.3	2.6	3.0	3.6	4.4	5.2	5.9
MANIFOLD	19.4	19.4	19.3	18.8	18.0	17.0	15.8	14.4	13.0	11.5
LOAD POINT	31.7	34.9	38.1	41.3	44.5	47.7	50.9	54.1	57.3	60.5
EMISSION RATE	0.6	0.6	0.9	2.1	5.9	20.4	70.3	146.0	146.0	106.9
THROTTLE	6.3	6.6	7.0	7.8	9.6	13.5	21.7	37.8	62.6	75.0
MANIFOLD	10.0	8.5	7.2	6.0	4.9	3.9	2.9	2.0	1.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-18.4	0.9	4.5	8.1	11.7	15.3	19.0	22.6	26.2	29.8
EMISSION RATE	2.7	0.5	0.7	1.3	2.5	3.9	4.4	3.7	2.5	1.4
THROTTLE	4.0	4.0	3.8	4.6	5.9	7.4	8.7	9.6	10.3	11.0
MANIFOLD	20.6	20.6	20.3	18.6	16.4	14.2	12.1	10.3	9.0	7.9
LOAD POINT	33.4	37.0	40.6	44.3	47.9	51.5	55.1	58.7	62.3	65.9
EMISSION RATE	0.9	0.6	0.6	0.9	2.0	6.4	25.4	92.5	146.2	129.4
THROTTLE	12.0	13.4	15.2	17.5	19.8	21.9	24.0	27.6	37.9	75.0
MANIFOLD	7.2	6.6	6.0	5.3	4.5	3.5	2.3	1.2	0.3	0.0
SPEED POINT	2500.0									
LOAD POINT	-25.5	3.0	6.7	10.4	14.2	17.9	21.6	25.4	29.1	32.8
EMISSION RATE	2.7	0.6	1.0	1.3	1.4	1.4	1.4	1.4	1.4	1.3
THROTTLE	7.6	7.6	7.1	8.6	10.8	13.1	14.6	15.3	15.6	15.8
MANIFOLD	21.0	21.0	19.2	17.0	15.0	13.4	12.1	10.9	9.9	9.0
LOAD POINT	36.6	40.3	44.0	47.8	51.5	55.2	59.0	62.7	66.4	70.2
EMISSION RATE	1.3	1.3	1.3	1.3	1.4	1.7	2.5	5.4	19.9	126.5
THROTTLE	16.6	18.2	20.8	24.3	28.3	31.9	35.0	38.7	48.1	75.0
MANIFOLD	8.0	7.1	6.1	5.0	3.9	2.7	1.6	0.7	0.1	0.1
SPEED POINT	3000.0									

LOAD POINT	-32.6	4.0	7.6	11.3	15.0	18.6	22.3	26.0	29.7	33.3
EMISSION RATE	2.7	1.5	1.1	1.1	1.3	1.6	2.2	2.7	3.1	3.1
THROTTLE	8.2	8.2	8.6	9.3	10.2	11.2	12.2	13.3	14.5	15.9
MANIFOLD	16.5	16.5	16.1	15.4	14.6	13.6	12.5	11.4	10.2	9.0
LOAD POINT	37.0	40.7	44.3	48.0	51.7	55.4	59.0	62.7	66.4	70.0
EMISSION RATE	2.7	2.0	1.4	1.0	0.8	0.8	0.9	2.1	11.4	135.4
THROTTLE	17.5	19.4	21.7	24.5	27.8	32.1	37.7	45.5	57.6	75.0
MANIFOLD	7.9	6.7	5.7	4.6	3.7	2.8	2.1	1.5	1.0	0.8
SPEED POINT	3400.0									
LOAD POINT	-38.3	0.0	3.9	7.8	11.7	15.6	19.5	23.5	27.4	31.3
EMISSION RATE	2.7	1.1	1.2	1.2	1.1	1.1	1.2	1.2	1.3	1.3
THROTTLE	9.0	9.0	9.4	10.0	10.8	11.8	13.0	14.4	16.1	17.9
MANIFOLD	17.2	17.2	16.4	15.7	14.9	14.0	13.0	11.9	10.7	9.4
LOAD POINT	35.2	39.1	43.0	46.9	50.8	54.7	58.6	62.6	66.5	70.4
EMISSION RATE	1.3	1.1	1.0	0.8	0.7	0.7	0.9	2.2	12.0	148.8
THROTTLE	19.9	22.2	24.7	27.7	31.3	35.8	41.8	50.0	61.5	75.0
MANIFOLD	8.1	6.8	5.6	4.5	3.5	2.7	2.1	1.7	1.4	1.1
SPEED POINT	4500.0									
LOAD POINT	-53.9	0.9	4.5	8.0	11.6	15.2	18.7	22.3	25.9	29.4
EMISSION RATE	2.7	81.2	24.4	10.0	5.0	2.9	1.8	1.2	0.8	0.7
THROTTLE	11.5	11.5	13.6	14.8	16.0	17.6	19.9	22.6	25.5	28.2
MANIFOLD	18.0	18.0	17.0	15.8	14.6	13.4	12.1	10.9	9.6	8.5
LOAD POINT	33.0	36.6	40.1	43.7	47.3	50.8	54.4	58.0	61.5	65.1
EMISSION RATE	0.7	0.7	0.8	1.2	2.3	5.1	12.6	32.1	72.9	124.1
THROTTLE	30.1	31.4	32.3	33.5	35.9	40.4	48.2	59.8	72.4	75.0
MANIFOLD	7.4	6.5	5.6	5.0	4.4	3.9	3.4	2.9	2.1	1.0
SPEED POINT	5300.0									
LOAD POINT	-65.2	0.8	3.8	6.7	9.7	12.7	15.7	18.7	21.6	24.6
EMISSION RATE	2.7	242.4	186.9	93.5	41.0	19.3	11.0	8.0	7.5	8.6
THROTTLE	17.1	17.1	17.4	18.0	19.2	21.2	23.9	27.2	30.6	33.8
MANIFOLD	17.0	17.0	16.2	15.3	14.4	13.6	12.7	11.8	10.7	9.7
LOAD POINT	27.6	30.6	33.5	36.5	39.5	42.5	45.5	48.4	51.4	54.4
EMISSION RATE	11.2	15.6	21.4	27.1	30.9	32.2	33.1	38.9	65.8	225.0
THROTTLE	36.4	38.3	39.8	41.4	43.8	47.9	54.2	62.8	71.6	74.7
MANIFOLD	8.5	7.5	6.4	5.5	4.7	4.1	3.5	3.0	2.5	1.8
*ENGINE		N6CAG7		RPM		TORQUE		G/HR		
1976 CHEV	85.0	ENGINE	NOX	MAP		CATALYTIC		CONVERTER		
DATA	3.228	2.606	4.	700.	5300.	.0500	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	5.0	6.1	7.2	8.3	9.4	10.5	11.6	12.7	13.8
EMISSION RATE	1.1	1.1	1.6	2.1	2.7	3.3	4.0	4.6	5.3	6.0
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8
MANIFOLD	10.3	10.3	16.9	22.7	27.8	32.1	35.6	38.3	40.3	41.4
LOAD POINT	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.6	23.7	24.8
EMISSION RATE	6.7	7.4	8.2	9.0	9.8	10.7	11.5	12.4	13.3	14.2
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3
MANIFOLD	41.7	41.4	40.3	38.3	35.6	32.1	27.8	22.7	16.9	10.3
SPEED POINT	800.0									
LOAD POINT	-1.4	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	1.1	0.8	0.5	0.5	0.5	0.5	0.5	0.7	1.2	1.9
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9
MANIFOLD	17.9	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7
LOAD POINT	10.0	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0
EMISSION RATE	2.8	3.8	4.9	6.2	7.7	9.3	11.1	13.0	15.1	17.3
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0
MANIFOLD	15.4	15.0	14.7	14.4	14.0	13.7	13.3	13.0	12.6	12.2
SPEED POINT	1000.0									
LOAD POINT	-4.3	0.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8
EMISSION RATE	1.1	1.3	2.5	3.0	3.7	5.3	8.3	12.7	17.6	21.5
THROTTLE	4.5	4.5	2.5	3.0	4.3	5.9	6.8	6.7	6.2	5.7
MANIFOLD	13.0	18.0	17.1	16.7	16.4	16.1	15.6	14.9	13.7	12.4

LOAD POINT	27.9	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8
EMISSION RATE	24.3	27.4	33.0	43.8	60.9	78.2	78.2	58.6	31.9	20.8
THROTTLE	5.7	6.3	7.7	9.9	12.4	14.2	14.9	15.9	22.7	75.0
MANIFOLD	10.7	9.0	7.2	5.5	3.9	2.6	1.6	0.9	0.4	0.1
SPEED POINT 1500.0										
LOAD POINT	-11.3	3.0	6.2	9.4	12.6	15.8	18.9	22.1	25.3	28.5
EMISSION RATE	1.1	2.3	3.8	5.7	9.2	15.5	25.0	35.4	43.1	46.8
THROTTLE	2.0	2.0	2.2	2.3	2.6	3.0	3.6	4.4	5.2	5.9
MANIFOLD	19.4	19.4	19.3	18.8	18.0	17.0	15.8	14.4	13.0	11.5
LOAD POINT	31.7	34.9	38.1	41.3	44.5	47.7	50.9	54.1	57.3	60.5
EMISSION RATE	48.5	51.6	58.7	69.3	74.7	69.2	42.8	17.5	5.9	3.5
THROTTLE	6.3	6.6	7.0	7.8	9.6	13.5	21.7	37.8	62.6	75.0
MANIFOLD	10.0	8.5	7.2	6.0	4.9	3.9	2.9	2.0	1.0	0.0
SPEED POINT 2000.0										
LOAD POINT	-18.4	0.9	4.5	8.1	11.7	15.3	19.0	22.6	26.2	29.8
EMISSION RATE	1.1	4.7	8.7	10.2	11.2	12.8	15.2	18.3	22.2	27.4
THROTTLE	4.0	4.0	3.8	4.6	5.9	7.4	8.7	9.6	10.3	11.0
MANIFOLD	20.6	20.6	20.3	18.6	16.4	14.2	12.1	10.3	9.0	7.9
LOAD POINT	33.4	37.0	40.6	44.3	47.9	51.5	55.1	58.7	62.3	65.9
EMISSION RATE	35.8	50.9	77.4	116.2	138.8	137.4	79.2	29.4	10.4	9.7
THROTTLE	12.0	13.4	15.2	17.5	19.8	21.9	24.0	27.6	37.9	75.0
MANIFOLD	7.2	6.6	6.0	5.3	4.5	3.5	2.3	1.2	0.3	0.0
SPEED POINT 2500.0										
LOAD POINT	-25.5	3.0	6.7	10.4	14.2	17.9	21.6	25.4	29.1	32.8
EMISSION RATE	1.1	10.1	12.1	15.1	16.4	16.6	17.8	22.0	31.8	50.9
THROTTLE	7.6	7.6	7.1	8.6	10.8	13.1	14.6	15.3	15.6	15.8
MANIFOLD	21.0	21.0	19.2	17.0	15.0	13.4	12.1	10.9	9.9	9.0
LOAD POINT	36.6	40.3	44.0	47.8	51.5	55.2	59.0	62.7	66.4	70.2
EMISSION RATE	81.5	118.3	148.5	165.9	183.0	228.4	312.5	312.5	312.5	23.2
THROTTLE	16.6	18.2	20.8	24.3	28.3	31.9	35.0	38.7	48.1	75.0
MANIFOLD	8.0	7.1	6.1	5.0	3.9	2.7	1.6	0.7	0.1	0.1
SPEED POINT 3000.0										
LOAD POINT	-32.6	4.0	7.6	11.3	15.0	18.6	22.3	26.0	29.7	33.3
EMISSION RATE	1.1	5.4	7.2	6.9	7.7	11.6	22.3	46.8	91.3	147.3
THROTTLE	8.2	8.2	8.6	9.3	10.2	11.2	12.2	13.3	14.5	15.9
MANIFOLD	16.5	16.5	16.1	15.4	14.6	13.6	12.5	11.4	10.2	9.0
LOAD POINT	37.0	40.7	44.3	48.0	51.7	55.4	59.0	62.7	66.4	70.0
EMISSION RATE	187.6	194.5	179.7	166.9	173.8	212.2	249.6	249.6	185.9	26.1
THROTTLE	17.5	19.4	21.7	24.5	27.8	32.1	37.7	45.5	57.6	75.0
MANIFOLD	7.9	6.7	5.7	4.6	3.7	2.8	2.1	1.5	1.0	0.8
SPEED POINT 3400.0										
LOAD POINT	-38.3	0.0	3.9	7.8	11.7	15.6	19.5	23.5	27.4	31.3
EMISSION RATE	1.1	7.8	7.7	14.6	28.5	43.4	54.5	65.3	83.2	116.5
THROTTLE	9.0	9.0	9.4	10.0	10.8	11.8	13.0	14.4	16.1	17.9
MANIFOLD	17.2	17.2	16.4	15.7	14.9	14.0	13.0	11.9	10.7	9.4
LOAD POINT	35.2	39.1	43.0	46.9	50.8	54.7	58.6	62.6	66.5	70.4
EMISSION RATE	170.8	237.5	254.3	254.3	219.6	162.8	129.0	118.2	105.6	45.8
THROTTLE	19.9	22.2	24.7	27.1	31.3	35.8	41.8	50.0	61.5	75.0
MANIFOLD	8.1	6.8	5.6	4.5	3.5	2.7	2.1	1.7	1.4	1.1
SPEED POINT 4500.0										
LOAD POINT	-53.9	0.9	4.5	8.0	11.6	15.2	18.7	22.3	25.9	29.4
EMISSION RATE	1.1	3.7	3.9	12.0	39.9	96.3	158.2	196.0	212.6	227.8
THROTTLE	11.5	11.5	13.6	14.8	16.0	17.6	19.9	22.6	25.5	28.2
MANIFOLD	18.0	18.0	17.0	15.8	14.6	13.4	12.1	10.9	9.6	8.5
LOAD POINT	33.0	36.6	40.1	43.7	47.3	50.8	54.4	58.0	61.5	65.1
EMISSION RATE	255.5	296.9	335.9	340.4	289.2	202.9	125.0	78.4	61.9	77.1
THROTTLE	30.1	31.4	32.3	33.5	35.9	40.4	48.2	59.8	72.4	75.0
MANIFOLD	7.4	6.5	5.6	5.0	4.4	3.9	3.4	2.9	2.1	1.0
SPEED POINT 5300.0										
LOAD POINT	-65.2	0.8	3.8	6.7	9.7	12.7	15.7	18.7	21.6	24.6
EMISSION RATE	1.1	2.0	4.7	15.2	43.6	90.4	134.5	155.6	156.4	151.5

THROTTLE	17.1	17.1	17.4	18.0	19.2	21.2	23.9	27.2	30.6	33.8
MANIFOLD	17.0	17.0	16.2	15.3	14.4	13.6	12.7	11.8	10.7	9.7
LOAD POINT	27.6	30.6	33.5	36.5	39.5	42.5	45.5	48.4	51.4	54.4
EMISSION RATE	151.8	162.1	182.9	210.2	233.3	236.3	210.6	159.7	102.1	54.3
THROTTLE	36.4	38.3	39.8	41.4	43.8	47.9	54.2	62.8	71.6	74.7
MANIFOLD	8.5	7.5	6.4	5.5	4.7	4.1	3.5	3.0	2.5	1.8
*ENGINE	X6CA67		KPM			TORQUE		G/HR(*.1)		
1976 CHEV	85.0	ENGINE	RAW	CO	MAP	CATALYTIC		CONVERTER		
DATA	3.228	2.606	4.	700.	5300.	.0500	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	5.0	6.1	7.2	8.3	9.4	10.5	11.6	12.7	13.8
EMISSION RATE	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8
MANIFOLD	10.3	10.3	16.9	22.7	27.8	32.1	35.6	38.3	40.3	41.4
LOAD POINT	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.6	23.7	24.8
EMISSION RATE	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3
MANIFOLD	41.7	41.4	40.3	38.3	35.6	32.1	27.8	22.7	16.9	10.3
SPEED POINT	800.0									
LOAD POINT	-1.4	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	0.9	2.2	2.0	1.8	1.6	1.5	1.4	1.3	1.3	1.3
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9
MANIFOLD	17.9	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7
LOAD POINT	10.0	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0
EMISSION RATE	1.2	1.3	1.3	1.4	1.4	1.6	1.7	1.8	2.0	2.2
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0
MANIFOLD	15.4	15.0	14.7	14.4	14.0	13.7	13.3	13.0	12.6	12.2
SPEED POINT	1000.0									
LOAD POINT	-4.3	0.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8
EMISSION RATE	0.9	2.1	2.1	1.8	1.4	1.3	1.3	1.3	1.3	1.5
THROTTLE	4.5	4.5	2.5	3.0	4.3	5.9	6.8	6.7	6.2	5.7
MANIFOLD	18.0	18.0	17.1	16.7	16.4	16.1	15.6	14.9	13.7	12.4
LOAD POINT	27.9	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8
EMISSION RATE	1.7	1.8	1.9	1.8	1.7	1.3	2.3	4.5	18.1	220.5
THROTTLE	5.7	6.3	7.7	9.9	12.4	14.2	14.9	15.9	22.7	75.0
MANIFOLD	10.7	9.0	7.2	5.5	3.9	2.6	1.6	0.9	0.4	0.1
SPEED POINT	1500.0									
LOAD POINT	-11.3	3.0	6.2	9.4	12.6	15.8	18.9	22.1	25.3	28.5
EMISSION RATE	0.9	2.9	2.2	2.2	2.3	2.6	2.7	2.6	2.4	2.2
THROTTLE	2.0	2.0	2.2	2.3	2.6	3.0	3.6	4.4	5.2	5.9
MANIFOLD	19.4	19.4	19.3	18.8	18.0	17.0	15.8	14.4	13.0	11.5
LOAD POINT	31.7	34.9	38.1	41.3	44.5	47.7	50.9	54.1	57.3	60.5
EMISSION RATE	2.2	2.2	2.8	4.1	7.5	16.9	44.8	128.8	347.3	628.3
THROTTLE	6.3	6.6	7.0	7.8	9.6	13.5	21.7	37.8	62.6	75.0
MANIFOLD	10.0	8.5	7.2	6.0	4.9	3.9	2.9	2.0	1.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-18.4	0.9	4.5	8.1	11.7	15.3	19.0	22.6	26.2	29.8
EMISSION RATE	0.9	3.4	3.3	4.0	5.6	7.2	8.0	7.5	6.2	4.8
THROTTLE	4.0	4.0	3.8	4.6	5.9	7.4	8.7	9.6	10.3	11.0
MANIFOLD	20.6	20.6	20.3	18.6	16.4	14.2	12.1	10.3	9.0	7.9
LOAD POINT	33.4	37.0	40.6	44.3	47.9	51.5	55.1	58.7	62.3	65.9
EMISSION RATE	3.8	3.4	3.8	5.4	10.5	26.4	79.3	237.3	541.8	646.3
THROTTLE	12.0	13.4	15.2	17.5	19.8	21.9	24.0	27.6	37.9	75.0
MANIFOLD	7.2	6.6	6.0	5.3	4.5	3.5	2.3	1.2	0.3	0.0
SPEED POINT	2500.0									
LOAD POINT	-25.5	3.0	6.7	10.4	14.2	17.9	21.6	25.4	29.1	32.8
EMISSION RATE	0.9	14.5	9.8	8.7	8.8	9.5	10.2	10.6	10.4	9.9
THROTTLE	7.6	7.6	7.1	8.6	10.8	13.1	14.6	15.3	15.6	15.8
MANIFOLD	21.0	21.0	19.2	17.0	15.0	13.4	12.1	10.9	9.9	9.0
LOAD POINT	36.6	40.3	44.0	47.8	51.5	55.2	59.0	62.7	66.4	70.2
EMISSION RATE	9.3	8.9	9.0	10.2	13.1	20.0	36.6	81.2	213.3	636.0

THROTTLE	16.6	18.2	20.8	24.3	28.3	31.9	35.0	38.7	48.1	75.0
MANIFOLD	8.0	7.1	6.1	5.0	3.9	2.7	1.6	0.7	0.1	0.1
SPEED POINT 3000.0										
LOAD POINT	-32.6	4.0	7.6	11.3	15.0	18.6	22.3	26.0	29.7	33.3
EMISSION RATE	0.9	12.2	17.1	19.5	19.0	16.7	13.8	11.2	9.2	8.1
THROTTLE	8.2	8.2	8.6	9.3	10.2	11.2	12.2	13.3	14.5	15.9
MANIFOLD	16.5	16.5	16.1	15.4	14.6	13.6	12.5	11.4	10.2	9.0
LOAD POINT	37.0	40.7	44.3	48.0	51.7	55.4	59.0	62.7	66.4	70.0
EMISSION RATE	8.1	8.1	8.7	11.2	16.5	27.7	53.1	115.6	283.0	769.7
THROTTLE	17.5	19.4	21.7	24.5	27.8	32.1	37.7	45.5	57.6	75.0
MANIFOLD	7.9	6.7	5.7	4.6	3.7	2.8	2.1	1.5	1.0	0.8
SPEED POINT 3400.0										
LOAD POINT	-38.3	0.0	3.9	7.8	11.7	15.6	19.5	23.5	27.4	31.3
EMISSION RATE	0.9	14.0	11.3	11.1	11.7	12.4	12.5	11.8	10.7	9.7
THROTTLE	9.0	9.0	9.4	10.0	10.8	11.3	13.0	14.4	16.1	17.9
MANIFOLD	17.2	17.2	16.4	15.7	14.9	14.0	13.0	11.9	10.7	9.4
LOAD POINT	35.2	39.1	43.0	46.9	50.8	54.7	58.6	62.6	66.5	70.4
EMISSION RATE	9.7	9.7	9.9	13.0	20.5	38.6	84.5	201.0	466.1	885.0
THROTTLE	19.9	22.2	24.7	27.7	31.3	35.8	41.8	50.0	61.5	75.0
MANIFOLD	8.1	6.8	5.6	4.5	3.5	2.7	2.1	1.7	1.4	1.1
SPEED POINT 4500.0										
LOAD POINT	-53.9	0.9	4.5	8.0	11.6	15.2	18.7	22.3	25.9	29.4
EMISSION RATE	0.9	146.0	159.0	138.9	103.7	70.2	45.9	30.5	21.8	17.4
THROTTLE	11.5	11.5	13.6	14.8	16.0	17.6	19.9	22.6	25.5	28.2
MANIFOLD	18.0	18.0	17.0	15.8	14.6	13.4	12.1	10.9	9.6	8.5
LOAD POINT	33.0	36.6	40.1	43.7	47.3	50.3	54.4	58.0	61.5	65.1
EMISSION RATE	17.0	17.7	23.1	36.0	65.0	131.0	276.1	560.1	979.6	1290.1
THROTTLE	30.1	31.4	32.3	33.5	35.9	40.4	48.2	59.8	72.4	75.0
MANIFOLD	7.4	6.5	5.6	5.0	4.4	3.9	3.4	2.9	2.1	1.0
SPEED POINT 5300.0										
LOAD POINT	-65.2	0.8	3.8	6.7	9.7	12.7	15.7	18.7	21.6	24.6
EMISSION RATE	0.9	664.5	615.2	413.7	247.7	152.0	104.3	83.5	78.9	84.8
THROTTLE	17.1	17.1	17.4	18.0	19.2	21.2	23.9	27.2	30.6	33.8
MANIFOLD	17.0	17.0	16.2	15.3	14.4	13.6	12.7	11.8	10.7	9.7
LOAD POINT	27.6	30.6	33.5	36.5	39.5	42.5	45.5	48.4	51.4	54.4
EMISSION RATE	101.4	128.1	163.0	201.4	236.9	267.5	303.0	376.6	593.3	1305.0
THROTTLE	36.4	38.3	39.8	41.4	43.8	47.9	54.2	62.8	71.6	74.7
MANIFOLD	8.5	7.5	6.4	5.5	4.7	4.1	3.5	3.0	2.5	1.8
*ENGINE	Y6CAG7		RPM		TURQUE		G/HR			
1976 CHEV	85.0	ENGINE	RAW HC MAP		CATALYTIC		CONVERTER			
DATA	3.228	2.606	4.	700.	5300.	.0500	.7160			
SPEED POINT 700.0										
LOAD POINT	0.0	5.0	6.1	7.2	8.3	9.4	10.5	11.6	12.7	13.8
EMISSION RATE	15.5	15.5	16.4	17.3	18.1	18.9	19.7	20.5	21.3	22.1
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8
MANIFOLD	10.3	10.3	16.9	22.7	27.8	32.1	35.6	38.3	40.3	41.4
LOAD POINT	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.6	23.7	24.8
EMISSION RATE	22.9	23.6	24.4	25.1	25.8	26.5	27.2	27.9	28.6	29.2
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3
MANIFOLD	41.7	41.4	40.3	38.3	35.6	32.1	27.8	22.7	16.9	10.3
SPEED POINT 800.0										
LOAD POINT	-1.4	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	15.5	26.0	24.6	23.5	22.5	21.7	21.1	20.7	20.5	20.4
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9
MANIFOLD	17.9	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7
LOAD POINT	10.0	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0
EMISSION RATE	20.6	20.9	21.4	22.1	23.0	24.1	25.3	26.8	28.4	30.2
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0
MANIFOLD	15.4	15.0	14.7	14.4	14.0	13.7	13.3	13.0	12.6	12.2
SPEED POINT 1000.0										
LOAD POINT	-4.3	0.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8

EMISSION RATE	15.5	15.4	14.5	15.4	17.5	20.3	23.5	26.7	29.5	31.6
THROTTLE	4.5	4.5	2.5	3.0	4.3	5.9	6.8	6.7	6.2	5.7
MANIFOLD	18.0	18.0	17.1	16.7	16.4	16.1	15.6	14.9	13.7	12.4
LOAD POINT	27.9	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8
EMISSION RATE	33.0	33.9	34.7	35.7	37.6	40.9	46.5	55.6	69.7	91.1
THROTTLE	5.7	6.3	7.7	9.9	12.4	14.2	14.9	15.9	22.7	75.0
MANIFOLD	10.7	9.0	7.2	5.5	3.9	2.6	1.6	0.9	0.4	0.1
SPEED POINT	1500.0									
LOAD POINT	-11.3	3.0	6.2	9.4	12.6	15.8	18.9	22.1	25.3	28.5
EMISSION RATE	15.5	8.4	14.5	19.5	23.3	26.7	30.4	34.9	40.0	44.7
THROTTLE	2.0	2.0	2.2	2.3	2.6	3.0	3.6	4.4	5.2	5.9
MANIFOLD	19.4	19.4	19.3	18.8	18.0	17.0	15.8	14.4	13.0	11.5
LOAD POINT	31.7	34.9	38.1	41.3	44.5	47.7	50.9	54.1	57.3	60.5
EMISSION RATE	47.5	46.6	41.9	34.6	27.1	21.7	19.7	24.1	49.6	170.9
THROTTLE	6.3	6.6	7.0	7.8	9.0	13.5	21.7	37.8	62.6	75.0
MANIFOLD	10.0	8.5	7.2	6.0	4.9	3.9	2.9	2.0	1.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-18.4	0.9	4.5	8.1	11.7	15.3	19.0	22.6	26.2	29.8
EMISSION RATE	15.5	12.3	14.9	21.0	29.8	40.4	50.2	56.9	59.0	57.1
THROTTLE	4.0	4.0	3.8	4.6	5.9	7.4	8.7	9.6	10.3	11.0
MANIFOLD	20.6	20.6	20.3	18.6	16.4	14.2	12.1	10.3	9.0	7.9
LOAD POINT	33.4	37.0	40.6	44.3	47.9	51.5	55.1	58.7	62.3	65.9
EMISSION RATE	53.2	49.3	47.0	47.4	51.7	61.3	78.1	103.5	134.3	155.5
THROTTLE	12.0	13.4	15.2	17.5	19.8	21.9	24.0	27.6	37.9	75.0
MANIFOLD	7.2	6.6	6.0	5.3	4.5	3.5	2.3	1.2	0.3	0.0
SPEED POINT	2500.0									
LOAD POINT	-25.5	3.0	6.7	10.4	14.2	17.9	21.6	25.4	29.1	32.8
EMISSION RATE	15.5	15.5	22.4	31.9	43.0	53.4	60.7	63.5	62.3	58.5
THROTTLE	7.6	7.6	7.1	8.6	10.8	13.1	14.6	15.3	15.6	15.8
MANIFOLD	21.0	21.0	19.2	17.0	15.0	13.4	12.1	10.9	9.9	9.0
LOAD POINT	36.6	40.3	44.0	47.8	51.5	55.2	59.0	62.7	66.4	70.2
EMISSION RATE	54.2	50.9	49.7	51.5	57.1	67.7	84.3	106.5	128.5	136.5
THROTTLE	16.6	18.2	20.8	24.3	28.3	31.9	35.0	38.7	48.1	75.0
MANIFOLD	8.0	7.1	6.1	5.0	3.9	2.7	1.6	0.7	0.1	0.1
SPEED POINT	3000.0									
LOAD POINT	-32.6	4.0	7.6	11.3	15.0	18.6	22.3	26.0	29.7	33.3
EMISSION RATE	15.5	72.7	73.7	67.3	58.8	51.4	45.9	42.6	41.0	40.8
THROTTLE	8.2	8.2	8.6	9.3	10.2	11.2	12.2	13.3	14.5	15.9
MANIFOLD	16.5	16.5	16.1	15.4	14.6	13.6	12.5	11.4	10.2	9.0
LOAD POINT	37.0	40.7	44.3	48.0	51.7	55.4	59.0	62.7	66.4	70.0
EMISSION RATE	41.6	42.9	44.4	45.9	47.5	50.2	55.6	67.6	96.5	164.2
THROTTLE	17.5	19.4	21.7	24.5	27.8	32.1	37.7	45.5	57.6	75.0
MANIFOLD	7.9	6.7	5.7	4.6	3.7	2.8	2.1	1.5	1.0	0.8
SPEED POINT	3400.0									
LOAD POINT	-38.3	0.0	3.9	7.8	11.7	15.6	19.5	23.5	27.4	31.3
EMISSION RATE	15.5	64.6	35.9	31.3	34.4	41.1	48.3	52.7	52.5	48.0
THROTTLE	9.0	9.0	9.4	10.0	10.8	11.8	13.0	14.4	16.1	17.9
MANIFOLD	17.2	17.2	16.4	15.7	14.9	14.0	13.0	11.9	10.7	9.4
LOAD POINT	35.2	39.1	43.0	46.9	50.8	54.7	58.6	62.6	66.5	70.4
EMISSION RATE	41.6	35.7	31.7	30.9	33.0	40.7	56.7	85.4	127.8	165.9
THROTTLE	19.9	22.2	24.7	27.7	31.3	35.8	41.8	50.0	61.5	75.0
MANIFOLD	8.1	6.8	5.6	4.5	3.5	2.7	2.1	1.7	1.4	1.1
SPEED POINT	4500.0									
LOAD POINT	-53.9	0.9	4.5	8.0	11.6	15.2	18.7	22.3	25.9	29.4
EMISSION RATE	15.5	81.5	70.1	66.9	60.0	64.2	60.6	55.4	49.8	45.2
THROTTLE	11.5	11.5	13.6	14.6	16.0	17.6	19.9	22.6	25.5	28.2
MANIFOLD	18.0	18.0	17.0	15.8	14.6	13.4	12.1	10.9	9.6	8.5
LOAD POINT	33.0	36.6	40.1	43.7	47.3	50.8	54.4	58.0	61.5	65.1
EMISSION RATE	43.2	43.2	46.9	56.5	74.2	103.2	143.4	181.9	184.7	127.8
THROTTLE	30.1	31.4	32.3	33.5	35.9	40.4	48.2	59.8	72.4	75.0
MANIFOLD	7.4	6.5	5.6	5.0	4.4	3.9	3.4	2.9	2.1	1.0



SPEED POINT	5300.0									
LOAD POINT	-65.2	0.8	3.8	6.7	9.7	12.7	15.7	18.7	21.6	24.6
EMISSION RATE	15.5	309.9	196.2	137.9	107.2	91.3	84.1	82.6	84.9	90.0
THROTTLE	17.1	17.1	17.4	18.0	19.2	21.2	23.9	27.2	30.6	33.8
MANIFOLD	17.0	17.0	16.2	15.3	14.4	13.6	12.7	11.8	10.7	9.7
LOAD POINT	27.6	30.6	33.5	36.5	39.5	42.5	45.5	48.4	51.4	54.4
EMISSION RATE	96.7	104.1	111.3	117.6	123.1	129.0	137.8	154.4	189.0	266.6
THROTTLE	36.4	38.3	39.8	41.4	43.8	47.9	54.2	62.8	71.6	74.7
MANIFOLD	8.5	7.5	6.4	5.5	4.7	4.1	3.5	3.0	2.5	1.8
*ENGINE	Z6CAG7			RPM		TORQUE		G/HR		
1976 CHEV	85.0	ENGINE	RAW NOX	MAP	CATALYTIC	CONVERTER				
DATA	3.228	2.606	4.	700.	5300.	.0500	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	5.0	6.1	7.2	8.3	9.4	10.5	11.6	12.7	13.8
EMISSION RATE	1.3	1.3	1.3	1.6	2.1	2.6	3.3	4.0	4.8	5.7
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8
MANIFOLD	10.3	10.3	16.9	22.7	27.8	32.1	35.6	38.3	40.3	41.4
LOAD POINT	14.9	16.0	17.1	18.2	19.3	20.4	21.5	22.6	23.7	24.8
EMISSION RATE	6.7	7.8	9.0	10.3	11.6	13.1	14.7	16.3	18.1	19.9
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.3
MANIFOLD	41.7	41.4	40.3	38.3	35.6	32.1	27.8	22.7	16.9	10.3
SPEED POINT	800.0									
LOAD POINT	-1.4	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	1.3	0.8	0.7	0.6	0.7	0.9	1.2	1.7	2.3	3.0
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9
MANIFOLD	17.9	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7
LOAD POINT	10.0	11.1	12.3	13.4	14.5	15.6	16.7	17.8	18.9	20.0
EMISSION RATE	3.9	4.9	6.0	7.2	8.6	10.1	11.7	13.5	15.4	17.4
THROTTLE	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0
MANIFOLD	15.4	15.0	14.7	14.4	14.0	13.7	13.3	13.0	12.6	12.2
SPEED POINT	1000.0									
LOAD POINT	-4.3	0.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8
EMISSION RATE	1.3	2.0	3.2	3.9	4.9	7.0	10.5	15.4	20.6	24.6
THROTTLE	4.5	4.5	2.5	3.0	4.3	5.9	6.8	6.7	6.2	5.7
MANIFOLD	18.0	18.0	17.1	16.7	16.4	16.1	15.6	14.9	13.7	12.4
LOAD POINT	27.9	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8
EMISSION RATE	27.2	29.4	32.4	37.4	43.9	48.6	46.7	37.4	28.4	32.2
THROTTLE	5.7	6.3	7.7	9.9	12.4	14.2	14.9	15.9	22.7	75.0
MANIFOLD	10.7	9.0	7.2	5.5	3.9	2.6	1.6	0.9	0.4	0.1
SPEED POINT	1500.0									
LOAD POINT	-11.3	3.0	6.2	9.4	12.6	15.8	18.9	22.1	25.3	28.5
EMISSION RATE	1.3	2.2	4.4	7.1	11.8	20.2	32.0	43.2	48.8	48.5
THROTTLE	2.0	2.0	2.2	2.3	2.6	3.0	3.6	4.4	5.2	5.9
MANIFOLD	19.4	19.4	19.3	18.8	18.0	17.0	15.8	14.4	13.0	11.5
LOAD POINT	31.7	34.9	38.1	41.3	44.5	47.7	50.9	54.1	57.3	60.5
EMISSION RATE	47.0	49.4	60.4	84.4	119.8	138.2	106.4	44.8	11.7	3.7
THROTTLE	6.3	6.6	7.0	7.8	9.6	13.5	21.7	37.8	62.6	75.0
MANIFOLD	10.0	8.5	7.2	6.0	4.9	3.9	2.9	2.0	1.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-18.4	0.9	4.5	8.1	11.7	15.3	19.0	22.6	26.2	29.8
EMISSION RATE	1.3	4.5	8.9	9.4	9.3	10.4	13.0	17.1	22.3	28.5
THROTTLE	4.0	4.0	3.8	4.6	5.9	7.4	8.7	9.6	10.3	11.0
MANIFOLD	20.6	20.6	20.3	18.6	16.4	14.2	12.1	10.3	9.0	7.9
LOAD POINT	33.4	37.0	40.6	44.3	47.9	51.5	55.1	58.7	62.3	65.9
EMISSION RATE	36.6	49.0	69.8	103.4	145.5	167.1	137.5	73.0	29.2	15.9
THROTTLE	12.0	13.4	15.2	17.5	19.8	21.9	24.0	27.6	37.9	75.0
MANIFOLD	7.2	6.6	6.0	5.3	4.5	3.5	2.3	1.2	0.3	0.0
SPEED POINT	2500.0									
LOAD POINT	-25.5	3.0	6.7	10.4	14.2	17.9	21.6	25.4	29.1	32.8
EMISSION RATE	1.3	8.2	13.3	50.2	107.6	105.3	64.6	38.5	30.8	36.6
THROTTLE	7.6	7.6	7.1	8.6	10.8	13.1	14.6	15.3	15.6	15.8

MANIFOLD	21.0	21.0	19.2	17.0	15.0	13.4	12.1	10.9	9.9	9.0
LOAD POINT	36.6	40.3	44.0	47.8	51.5	55.2	59.0	62.7	66.4	70.2
EMISSION RATE	59.0	104.0	161.2	195.9	197.4	204.0	274.9	317.6	317.6	35.8
THROTTLE	16.6	18.2	20.8	24.3	28.3	31.9	35.0	38.7	48.1	75.0
MANIFOLD	8.0	7.1	6.1	5.0	3.9	2.7	1.6	0.7	0.1	0.1
SPEED POINT 3000.0										
LOAD POINT	-32.6	4.0	7.6	11.3	15.0	18.6	22.3	26.0	29.7	33.3
EMISSION RATE	1.3	4.2	6.3	7.7	10.6	17.6	32.7	60.5	99.8	138.3
THROTTLE	8.2	8.2	8.6	9.3	10.2	11.2	12.2	13.3	14.5	15.9
MANIFOLD	16.5	16.5	16.1	15.4	14.6	13.6	12.5	11.4	10.2	9.0
LOAD POINT	37.0	40.7	44.3	48.0	51.7	55.4	59.0	62.7	66.4	70.0
EMISSION RATE	160.1	163.2	160.1	166.4	196.0	262.8	363.4	374.0	259.6	52.5
THROTTLE	17.5	19.4	21.7	24.5	27.8	32.1	37.7	45.5	57.6	75.0
MANIFOLD	7.9	6.7	5.7	4.6	3.7	2.8	2.1	1.5	1.0	0.8
SPEED POINT 3400.0										
LOAD POINT	-38.3	0.0	3.9	7.8	11.7	15.6	19.5	23.5	27.4	31.3
EMISSION RATE	1.3	6.4	7.9	12.9	22.0	35.2	51.5	70.1	90.4	112.8
THROTTLE	9.0	9.0	9.4	10.0	10.8	11.8	13.0	14.4	16.1	17.9
MANIFOLD	17.2	17.2	16.4	15.7	14.9	14.0	13.0	11.9	10.7	9.4
LOAD POINT	35.2	39.1	43.0	46.9	50.8	54.7	58.6	62.6	66.5	70.4
EMISSION RATE	160.1	163.2	160.1	166.4	196.0	262.8	363.4	374.0	259.6	52.5
THROTTLE	19.9	22.2	24.7	27.7	31.3	35.8	41.8	50.0	61.5	75.0
MANIFOLD	8.1	6.8	5.6	4.5	3.5	2.7	2.1	1.7	1.4	1.1
SPEED POINT 4500.0										
LOAD POINT	-53.9	0.9	4.5	8.0	11.6	15.2	18.7	22.3	25.9	29.4
EMISSION RATE	1.3	6.9	15.4	8.3	6.9	11.7	35.1	113.0	265.7	388.1
THROTTLE	11.5	11.5	13.6	14.8	16.0	17.6	19.9	22.6	25.5	28.2
MANIFOLD	18.0	18.0	17.0	15.8	14.6	13.4	12.1	10.9	9.6	8.5
LOAD POINT	33.0	36.6	40.1	43.7	47.3	50.8	54.4	58.0	61.5	65.1
EMISSION RATE	374.6	296.2	247.5	258.9	337.0	444.5	429.3	243.7	108.5	156.3
THROTTLE	30.1	31.4	32.3	33.5	35.9	40.4	48.2	59.8	72.4	75.0
MANIFOLD	7.4	6.5	5.6	5.0	4.4	3.9	3.4	2.9	2.1	1.0
SPEED POINT 5300.0										
LOAD POINT	-65.2	0.8	3.8	6.7	9.7	12.7	15.7	18.7	21.6	24.6
EMISSION RATE	1.3	4.5	5.3	18.1	59.0	127.0	181.4	201.7	208.4	224.8
THROTTLE	17.1	17.1	17.4	18.0	19.2	21.2	23.9	27.2	30.6	33.8
MANIFOLD	17.0	17.0	16.2	15.3	14.4	13.6	12.7	11.8	10.7	9.7
LOAD POINT	27.6	30.6	33.5	36.5	39.5	42.5	45.5	48.4	51.4	54.4
EMISSION RATE	261.8	317.4	373.5	387.8	387.8	351.6	321.1	304.4	255.2	106.4
THROTTLE	36.4	38.3	39.8	41.4	43.8	47.9	54.2	62.8	71.6	74.7
MANIFOLD	8.5	7.5	6.4	5.5	4.7	4.1	3.5	3.0	2.5	1.8

A.3 1976 CHEVROLET 305 CID (5.0 LITER), 2 BBL

*ENGINE 1976 CHEV	F6CJL7 ENGINE	RPM FUEL MAP	TORQUE CATALYTIC	LB/HR CONVERTER							
DATA 2 BBL	3.736	3.480	8.	600.	3800.	.1000	.7160				
SPEED POINT	600.0										
LOAD POINT	0.0	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	
FUEL RATE	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1	
LOAD POINT	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.6	
FUEL RATE	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	
SPEED POINT	800.0										
LOAD POINT	-4.3	1.7	3.3	4.9	6.5	8.1	9.7	11.3	12.9	14.5	
FUEL RATE	3.6	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.1	
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	
MANIFOLD	18.9	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.6	18.5	
LOAD POINT	16.1	17.7	19.3	20.9	22.5	24.1	25.7	27.3	28.9	30.5	
FUEL RATE	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7	
THROTTLE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	
MANIFOLD	18.5	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7	
SPEED POINT	1000.0										
LOAD POINT	-8.6	0.7	13.3	25.9	38.5	51.1	63.7	76.3	88.9	101.5	
FUEL RATE	3.6	4.3	4.9	5.5	6.2	6.9	7.7	8.5	9.3	10.1	
THROTTLE	1.5	1.5	1.5	1.8	2.3	3.0	3.9	4.9	5.9	7.1	
MANIFOLD	19.7	19.7	19.5	18.7	17.7	16.3	14.7	13.1	11.5	10.0	
LOAD POINT	114.0	126.6	139.2	151.8	164.4	177.0	189.6	202.2	214.8	227.4	
FUEL RATE	11.0	11.9	13.0	14.1	15.3	16.6	18.1	19.8	21.7	23.7	
THROTTLE	8.2	9.5	10.8	11.9	12.9	13.8	15.3	18.7	29.1	71.0	
MANIFOLD	8.6	7.5	6.5	5.8	5.2	4.6	4.1	3.3	2.1	0.3	
SPEED POINT	1300.0										
LOAD POINT	-15.0	1.3	14.7	28.2	41.6	55.0	68.4	81.8	95.3	108.7	
FUEL RATE	3.6	5.2	6.3	7.3	8.3	9.2	10.1	11.1	12.1	13.2	
THROTTLE	2.0	2.0	2.0	2.7	4.0	5.5	6.8	7.7	8.3	8.8	
MANIFOLD	21.0	21.0	20.2	18.8	17.2	15.6	14.0	12.6	11.4	10.3	
LOAD POINT	122.1	135.5	148.9	162.4	175.8	189.2	202.6	216.0	229.5	242.9	
FUEL RATE	14.5	15.8	17.3	18.8	20.6	22.4	24.3	26.2	28.2	30.2	
THROTTLE	9.6	10.9	12.6	14.5	16.2	17.0	17.3	18.7	26.5	71.0	
MANIFOLD	9.3	8.4	7.5	6.6	5.5	4.4	3.3	2.2	1.2	0.7	
SPEED POINT	1600.0										
LOAD POINT	-21.4	1.3	15.0	28.6	42.2	55.9	69.5	83.1	96.8	110.4	
FUEL RATE	3.6	6.5	8.2	9.7	10.8	11.8	12.8	13.7	14.7	15.9	
THROTTLE	3.0	3.0	4.1	5.4	6.7	7.7	8.5	9.2	10.0	10.9	
MANIFOLD	21.3	21.3	19.0	17.4	16.2	15.3	14.4	13.5	12.5	11.4	
LOAD POINT	124.1	137.7	151.3	165.0	178.6	192.2	205.9	219.5	233.1	246.8	
FUEL RATE	17.2	18.7	20.5	22.5	24.7	27.0	29.5	32.1	34.6	36.5	
THROTTLE	12.1	13.7	15.5	17.4	19.0	20.3	21.8	25.0	34.8	71.0	
MANIFOLD	10.3	9.2	8.1	7.0	6.0	5.1	4.2	3.3	2.1	0.5	
SPEED POINT	2000.0										
LOAD POINT	-30.0	1.4	15.2	29.1	42.9	56.7	70.6	84.4	98.2	112.0	
FUEL RATE	3.6	8.4	10.2	11.8	13.1	14.4	15.6	16.9	18.4	19.9	
THROTTLE	4.2	4.2	5.2	6.4	7.6	8.6	9.5	10.4	11.5	12.7	
MANIFOLD	19.9	19.9	18.8	17.8	16.9	16.0	15.0	14.0	12.9	11.8	
LOAD POINT	125.9	139.7	153.5	167.3	181.2	195.0	208.8	222.7	236.5	250.3	
FUEL RATE	21.7	23.8	26.0	28.5	31.2	34.2	37.2	40.4	43.6	45.9	
THROTTLE	14.2	16.0	18.0	19.9	21.7	23.2	25.1	28.8	38.8	71.0	
MANIFOLD	10.7	9.6	8.5	7.4	6.4	5.3	4.3	3.2	2.0	0.7	
SPEED POINT	2500.0										
LOAD POINT	-40.7	1.5	15.3	29.0	42.8	56.6	70.3	84.1	97.8	111.6	
FUEL RATE	3.6	10.8	12.7	14.7	16.5	18.1	19.8	21.5	23.3	25.4	
THROTTLE	0.8	6.8	7.1	8.0	9.2	10.5	11.8	13.1	14.4	15.9	

MANIFOLD	20.0	20.0	19.2	18.4	17.5	16.6	15.6	14.5	13.4	12.3
LOAD POINT	125.3	139.1	152.9	166.6	180.4	194.1	207.9	221.6	235.4	249.2
FUEL RATE	27.7	30.2	33.0	36.1	39.4	42.9	46.7	50.5	54.4	57.2
THROTTLE	17.5	19.4	21.3	23.3	25.1	26.7	28.8	32.7	42.5	71.0
MANIFOLD	11.2	10.0	8.9	7.6	6.4	5.2	4.0	2.9	1.9	1.1
SPEED POINT	3000.0									
LOAD POINT	-51.4	2.0	15.1	28.3	41.5	54.6	67.8	81.0	94.1	107.3
FUEL RATE	3.6	13.8	15.7	17.8	20.0	22.3	24.7	27.1	29.6	32.2
THROTTLE	9.2	9.2	10.2	11.5	12.8	13.9	15.0	16.3	17.9	20.0
MANIFOLD	20.1	20.1	19.3	18.5	17.6	16.7	15.7	14.6	13.5	12.4
LOAD POINT	120.5	133.6	146.8	160.0	173.1	186.3	199.5	212.6	225.8	239.0
FUEL RATE	34.9	37.6	40.4	43.4	46.5	49.8	53.3	57.0	61.1	65.5
THROTTLE	22.6	25.0	28.5	30.6	31.3	30.8	29.9	30.8	38.4	71.0
MANIFOLD	11.1	9.9	8.6	7.3	6.1	4.9	3.8	2.8	1.9	1.3
SPEED POINT	3500.0									
LOAD POINT	-62.1	2.6	14.7	26.9	39.0	51.1	63.3	75.4	87.5	99.7
FUEL RATE	3.0	16.6	19.3	22.2	24.7	27.1	29.3	31.5	33.8	36.2
THROTTLE	11.1	11.1	12.4	13.5	14.6	15.9	17.3	18.9	20.7	22.5
MANIFOLD	20.0	20.0	19.2	18.4	17.6	16.7	15.7	14.8	13.7	12.6
LOAD POINT	111.8	123.9	136.1	148.2	160.4	172.5	184.6	196.8	208.9	221.0
FUEL RATE	38.7	41.5	44.5	47.9	51.6	55.7	60.1	65.0	70.3	75.6
THROTTLE	24.3	26.0	27.7	29.5	31.5	34.2	38.2	44.3	54.1	70.0
MANIFOLD	11.4	10.2	8.8	7.5	6.1	4.7	3.5	2.5	1.9	1.8
SPEED POINT	3800.0									
LOAD POINT	-68.6	3.1	14.5	25.9	37.2	48.6	60.0	71.4	82.7	94.1
FUEL RATE	3.6	17.8	21.0	23.8	26.1	28.1	30.0	32.0	34.3	36.9
THROTTLE	11.7	11.7	12.7	13.9	15.3	16.7	18.2	19.8	21.5	23.3
MANIFOLD	19.7	19.7	18.9	18.1	17.3	16.5	15.6	14.6	13.5	12.3
LOAD POINT	105.5	116.9	128.2	139.6	151.0	162.4	173.7	185.1	196.5	207.9
FUEL RATE	39.9	43.4	47.3	51.7	56.3	61.2	66.1	70.9	75.2	77.8
THROTTLE	25.3	27.5	29.6	31.7	33.7	35.7	38.3	42.5	50.8	70.0
MANIFOLD	11.1	9.7	8.4	7.1	5.8	4.6	3.6	2.8	2.2	2.0
*ENGINE	C6CJL7	RPM	TORQUE	G/HR(*.1)						
1976 CHEV	305.0	ENGINE	CO MAP	CATALYTIC	CONVERTER					
DATA	3.736	3.480	8.	600.	3800.	.1000	.7160			
SPEED POINT	600.0									
LOAD POINT	0.0	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
EMISSION RATE	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1
LCAO POINT	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.6
EMISSION RATE	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2
SPEED POINT	800.0									
LOAD POINT	-4.3	1.7	3.3	4.9	6.5	8.1	9.7	11.3	12.9	14.5
EMISSION RATE	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
MANIFOLD	18.9	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.6	18.5
LOAD POINT	16.1	17.7	19.3	20.9	22.5	24.1	25.7	27.3	28.9	30.5
EMISSION RATE	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0
THROTTLE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
MANIFOLD	18.5	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7
SPEED POINT	1000.0									
LOAD POINT	-8.6	0.7	13.3	25.9	38.5	51.1	63.7	76.3	88.9	101.5
EMISSION RATE	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	1.5	1.5	1.5	1.8	2.3	3.0	3.9	4.9	5.9	7.1
MANIFOLD	19.7	19.7	19.5	18.7	17.7	16.3	14.7	13.1	11.5	10.0
LOAD POINT	114.0	126.6	139.2	151.8	164.4	177.0	189.6	202.2	214.8	227.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	8.2	9.5	10.8	11.9	12.9	13.8	15.3	18.7	29.1	71.0

MANIFOLD	8.6	7.5	6.5	5.8	5.2	4.6	4.1	3.3	2.1	0.3
SPEED POINT 1300.0										
LOAD POINT	-15.0	1.3	14.7	28.2	41.6	55.0	68.4	81.8	95.3	108.7
EMISSION RATE	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	2.0	2.0	2.0	2.7	4.0	5.5	6.8	7.7	8.3	8.8
MANIFCLO	21.0	21.0	20.2	18.8	17.2	15.6	14.0	12.6	11.4	10.3
LOAD POINT	122.1	135.5	148.9	162.4	175.8	189.2	202.6	216.0	229.5	242.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	9.6	10.9	12.6	14.5	16.2	17.0	17.3	18.7	26.5	71.0
MANIFOLD	9.3	8.4	7.5	6.6	5.5	4.4	3.3	2.2	1.2	0.7
SPEED POINT 1600.0										
LOAD POINT	-21.4	1.3	15.0	28.6	42.2	55.9	69.5	83.1	96.8	110.4
EMISSION RATE	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	3.0	3.0	4.1	5.4	6.7	7.7	8.5	9.2	10.0	10.9
MANIFCLO	21.3	21.3	19.0	17.4	16.2	15.3	14.4	13.5	12.5	11.4
LOAD POINT	124.1	137.7	151.3	165.0	178.6	192.2	205.9	219.5	233.1	246.8
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	12.1	13.7	15.5	17.4	19.0	20.3	21.8	25.0	34.8	71.0
MANIFCLO	10.3	9.2	8.1	7.0	6.0	5.1	4.2	3.3	2.1	0.5
SPEED POINT 2000.0										
LOAD POINT	-30.0	1.4	15.2	29.1	42.9	56.7	70.6	84.4	98.2	112.0
EMISSION RATE	0.7	1.2	1.4	1.4	1.3	1.2	1.2	1.4	1.9	3.0
THROTTLE	4.2	4.2	5.2	6.4	7.6	8.6	9.5	10.4	11.5	12.7
MANIFOLD	19.9	19.9	18.8	17.8	16.9	16.0	15.0	14.0	12.9	11.8
LOAD POINT	125.9	139.7	153.5	167.3	181.2	195.0	208.8	222.7	236.5	250.3
EMISSION RATE	5.8	12.7	30.4	75.9	185.9	418.8	810.8	1260.9	1261.0	1220.9
THROTTLE	14.2	16.0	18.0	19.9	21.7	23.2	25.1	28.8	38.8	71.0
MANIFCLO	10.7	9.6	8.5	7.4	6.4	5.3	4.3	3.2	2.0	0.7
SPEED POINT 2500.0										
LOAD POINT	-40.7	1.5	15.3	29.0	42.8	56.6	70.3	84.1	97.8	111.6
EMISSION RATE	0.7	1.4	1.5	1.6	1.9	2.3	2.9	4.0	5.8	9.3
THROTTLE	6.8	6.8	7.1	8.0	9.2	10.5	11.8	13.1	14.4	15.9
MANIFOLD	20.0	20.0	19.2	18.4	17.5	16.6	15.6	14.5	13.4	12.3
LOAD POINT	125.3	139.1	152.9	166.6	180.4	194.1	207.9	221.6	235.4	249.2
EMISSION RATE	16.1	30.2	60.3	125.9	266.0	543.0	1007.7	1572.1	1161.0	1513.8
THROTTLE	17.5	19.4	21.3	23.3	25.1	26.7	28.8	32.7	42.5	71.0
MANIFCLO	11.2	10.0	8.9	7.6	6.4	5.2	4.0	2.9	1.9	1.1
SPEED POINT 3000.0										
LOAD POINT	-51.4	2.0	15.1	28.3	41.5	54.6	67.8	81.0	94.1	107.3
EMISSION RATE	0.7	0.5	0.2	0.4	1.0	2.8	6.3	10.8	13.9	15.1
THROTTLE	9.2	9.2	10.2	11.5	12.8	13.9	15.0	16.3	17.9	20.0
MANIFOLD	20.1	20.1	19.3	18.5	17.6	16.7	15.7	14.6	13.5	12.4
LOAD POINT	120.5	133.6	146.8	160.0	173.1	186.3	199.5	212.6	225.8	239.0
EMISSION RATE	15.9	19.0	30.0	68.5	228.6	1002.2	1746.0	1746.0	1746.0	1746.0
THROTTLE	22.6	25.6	28.5	30.6	31.3	30.8	29.9	30.8	38.4	71.0
MANIFCLO	11.1	9.9	8.6	7.3	6.1	4.9	3.8	2.8	1.9	1.3
SPEED POINT 3500.0										
LOAD POINT	-62.1	2.6	14.7	26.9	39.0	51.1	63.3	75.4	87.5	99.7
EMISSION RATE	0.7	0.2	0.7	2.7	9.0	21.5	34.7	38.6	32.7	24.3
THROTTLE	11.1	11.1	12.4	13.5	14.6	15.9	17.3	18.9	20.7	22.5
MANIFOLD	20.0	20.0	19.2	18.4	17.6	16.7	15.7	14.8	13.7	12.6
LOAD POINT	111.8	123.9	136.1	148.2	160.4	172.5	184.6	196.8	208.9	221.0
EMISSION RATE	18.6	17.3	22.1	42.0	119.1	454.0	1850.2	2050.0	2050.0	1682.6
THROTTLE	24.3	26.0	27.7	29.5	31.5	34.2	38.2	44.3	54.1	70.0
MANIFCLO	11.4	10.2	8.8	7.5	6.1	4.7	3.5	2.5	1.9	1.8
SPEED POINT 3800.0										
LOAD POINT	-68.6	3.1	14.5	25.9	37.2	48.6	60.0	71.4	82.7	94.1
EMISSION RATE	0.7	0.6	1.1	3.3	10.2	23.7	36.8	37.8	28.5	18.6
THROTTLE	11.7	11.7	12.7	13.9	15.3	16.7	18.2	19.8	21.5	23.3
MANIFOLD	19.7	19.7	18.9	18.1	17.3	16.5	15.6	14.6	13.5	12.3
LOAD POINT	105.5	116.9	128.2	139.6	151.0	162.4	173.7	185.1	196.5	207.9

EMISSION RATE	12.9	11.4	15.2	33.8	123.7	650.21	1914.01	1914.01	1914.01	1672.7
THROTTLE	25.3	27.5	29.6	31.7	33.7	35.7	38.3	42.5	50.8	70.0
MANIFOLD	11.1	9.7	8.4	7.1	5.8	4.6	3.6	2.8	2.2	2.0
*ENGINE	H6CJL7		RPM		TORQUE		G/HR			
1976 CHEV	305.0	ENGINE	HC	MAP	CATALYTIC		CONVERTER			
DATA	3.736	3.480	8.	600.	3000.	.1000	.7160			
SPEED POINT	600.0									
LOAD POINT	0.0	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
EMISSION RATE	50.0	50.0	47.4	44.8	42.2	39.6	37.0	34.4	31.8	29.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1
LOAD POINT	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.6
EMISSION RATE	26.6	24.0	21.3	18.7	16.1	13.5	10.9	8.3	5.7	3.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2
SPEED POINT	800.0									
LOAD POINT	-4.3	1.7	3.3	4.9	6.5	8.1	9.7	11.3	12.9	14.5
EMISSION RATE	50.0	19.1	20.0	20.8	21.4	21.7	21.9	21.8	21.6	21.2
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
MANIFOLD	18.9	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.6	18.5
LOAD POINT	16.1	17.7	19.3	20.9	22.5	24.1	25.7	27.3	28.9	30.5
EMISSION RATE	20.5	19.7	18.6	17.4	16.0	14.3	12.5	10.4	8.2	5.8
THROTTLE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
MANIFOLD	18.5	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7
SPEED POINT	1000.0									
LOAD POINT	-8.6	0.7	13.3	25.9	38.5	51.1	63.7	76.3	88.9	101.5
EMISSION RATE	50.0	10.0	4.8	3.6	3.6	4.0	4.4	4.7	4.8	4.7
THROTTLE	1.5	1.5	1.5	1.8	2.3	3.0	3.9	4.9	5.9	7.1
MANIFOLD	19.7	19.7	19.5	18.7	17.7	16.3	14.7	13.1	11.5	10.0
LOAD POINT	114.0	126.6	139.2	151.8	164.4	177.0	189.6	202.2	214.8	227.4
EMISSION RATE	4.6	4.7	5.3	6.8	10.1	17.3	33.1	64.7	112.0	121.7
THROTTLE	8.2	9.5	10.8	11.9	12.9	13.8	15.3	18.7	29.1	71.0
MANIFOLD	8.6	7.5	6.5	5.8	5.2	4.6	4.1	3.3	2.1	0.3
SPEED POINT	1300.0									
LOAD POINT	-15.0	1.3	14.7	28.2	41.6	55.0	68.4	81.8	95.3	108.7
EMISSION RATE	50.0	11.0	3.1	1.4	0.9	0.7	0.7	0.9	1.2	1.7
THROTTLE	2.0	2.0	2.0	2.7	4.0	5.5	6.8	7.7	8.3	8.8
MANIFOLD	21.0	21.0	20.2	18.8	17.2	15.6	14.0	12.6	11.4	10.3
LOAD POINT	122.1	135.5	148.9	162.4	175.8	189.2	202.6	216.0	229.5	242.9
EMISSION RATE	2.6	4.2	6.9	11.4	18.8	30.4	48.2	73.6	106.3	129.0
THROTTLE	9.6	10.9	12.6	14.5	16.2	17.0	17.3	18.7	26.5	71.0
MANIFOLD	9.3	8.4	7.5	6.6	5.5	4.4	3.3	2.2	1.2	0.7
SPEED POINT	1600.0									
LOAD POINT	-21.4	1.3	15.0	28.6	42.2	55.9	69.5	83.1	96.8	110.4
EMISSION RATE	50.0	6.9	6.2	6.2	6.5	6.9	7.2	7.4	7.4	7.3
THROTTLE	3.0	3.0	4.1	5.4	6.7	7.7	8.5	9.2	10.0	10.9
MANIFOLD	21.3	21.3	19.0	17.4	16.2	15.3	14.4	13.5	12.5	11.4
LOAD POINT	124.1	137.7	151.3	165.0	178.6	192.2	205.9	219.5	233.1	246.8
EMISSION RATE	7.3	7.6	8.3	9.9	12.8	18.5	29.4	51.0	93.5	144.1
THROTTLE	12.1	13.7	15.5	17.4	19.0	20.3	21.8	25.0	34.8	71.0
MANIFOLD	10.3	9.2	8.1	7.0	6.0	5.1	4.2	3.3	2.1	0.5
SPEED POINT	2000.0									
LOAD POINT	-30.0	1.4	15.2	29.1	42.9	56.7	70.6	84.4	98.2	112.0
EMISSION RATE	50.0	11.7	6.7	5.1	4.7	4.8	5.3	6.1	7.2	8.6
THROTTLE	4.2	4.2	5.2	6.4	7.6	8.6	9.5	10.4	11.5	12.7
MANIFOLD	19.9	19.9	18.8	17.8	16.9	16.0	15.0	14.0	12.9	11.8
LOAD POINT	125.9	139.7	153.5	167.3	181.2	195.0	208.8	222.7	236.5	250.3
EMISSION RATE	10.4	13.0	16.7	22.3	31.4	46.3	70.4	108.0	159.8	190.6
THROTTLE	14.2	16.0	18.0	19.9	21.7	23.2	25.1	28.8	38.8	71.0
MANIFOLD	10.7	9.6	8.5	7.4	6.4	5.3	4.3	3.2	2.0	0.7
SPEED POINT	2500.0									

LOAD POINT	-40.7	1.5	15.3	29.0	42.8	56.6	70.3	84.1	97.8	111.6
EMISSION RATE	50.0	15.4	4.9	3.0	2.8	3.4	4.6	6.4	8.7	11.6
THROTTLE	6.8	6.8	7.1	8.0	9.2	10.5	11.8	13.1	14.4	15.9
MANIFOLD	20.0	20.0	19.2	18.4	17.5	16.6	15.6	14.5	13.4	12.3
LOAD POINT	125.3	139.1	152.9	166.6	180.4	194.1	207.9	221.6	235.4	249.2
EMISSION RATE	15.2	19.7	26.1	36.1	52.9	81.3	126.9	188.2	216.5	216.5
THROTTLE	17.5	19.4	21.3	23.3	25.1	26.7	28.8	32.7	42.5	71.0
MANIFOLD	11.2	10.0	8.9	7.6	6.4	5.2	4.0	2.9	1.9	1.1
SPEED POINT 3000.0										
LOAD POINT	-51.4	2.0	15.1	28.3	41.5	54.6	67.8	81.0	94.1	107.3
EMISSION RATE	50.0	1.9	0.9	0.9	1.3	2.0	2.8	3.3	3.3	3.1
THROTTLE	9.2	9.2	10.2	11.5	12.8	13.9	15.0	16.3	17.9	20.0
MANIFOLD	20.1	20.1	19.3	18.5	17.6	16.7	15.7	14.6	13.5	12.4
LOAD POINT	120.5	133.6	146.8	160.0	173.1	186.3	199.5	212.6	225.8	239.0
EMISSION RATE	3.1	3.6	5.3	10.8	29.9	102.6	189.0	189.0	189.0	189.0
THROTTLE	22.6	25.6	28.5	30.6	31.3	30.8	29.9	30.8	38.4	71.0
MANIFOLD	11.1	9.9	8.6	7.3	6.1	4.9	3.8	2.8	1.9	1.3
SPEED POINT 3500.0										
LOAD POINT	-62.1	2.6	14.7	26.9	39.0	51.1	63.3	75.4	87.5	99.7
EMISSION RATE	50.0	0.2	0.3	0.6	1.1	1.7	2.1	2.2	2.1	2.0
THROTTLE	11.1	11.1	12.4	13.5	14.6	15.9	17.3	18.9	20.7	22.5
MANIFOLD	20.0	20.0	19.2	18.4	17.6	16.7	15.7	14.8	13.7	12.6
LOAD POINT	111.8	123.9	136.1	148.2	160.4	172.5	184.6	196.8	208.9	221.0
EMISSION RATE	2.0	2.4	3.6	7.1	17.7	51.9	152.8	197.1	197.1	176.7
THROTTLE	24.3	26.0	27.7	29.5	31.5	34.2	38.2	44.3	54.1	70.0
MANIFOLD	11.4	10.2	8.8	7.5	6.1	4.7	3.5	2.5	1.9	1.8
SPEED POINT 3800.0										
LOAD POINT	-68.6	3.1	14.5	25.9	37.2	48.6	60.0	71.4	82.7	94.1
EMISSION RATE	50.0	0.2	0.4	0.8	1.6	2.7	3.4	3.4	2.8	2.2
THROTTLE	11.7	11.7	12.7	13.9	15.3	16.7	18.2	19.8	21.5	23.3
MANIFOLD	19.7	19.7	18.9	18.1	17.3	16.5	15.6	14.6	13.5	12.3
LOAD POINT	105.5	116.9	128.2	139.6	151.0	162.4	173.7	185.1	196.5	207.9
EMISSION RATE	1.9	1.9	2.7	5.3	14.6	51.5	171.4	171.4	171.4	144.1
THROTTLE	25.3	27.5	29.6	31.7	33.7	35.7	38.3	42.5	50.8	70.0
MANIFOLD	11.1	9.7	8.4	7.1	5.8	4.6	3.6	2.8	2.2	2.0
*ENGINE		N6CJL7		RPM		TORQUE		G/HR		
1976 CHEV	305.0	ENGINE	NOX MAP			CATALYTIC		CONVERTER		
DATA	3.736	3.480	8.	600.	3800.	.1000	.7160			
SPEED POINT 600.0										
LOAD POINT	0.0	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
EMISSION RATE	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1
LOAD POINT	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.6
EMISSION RATE	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2
SPEED POINT 800.0										
LOAD POINT	-4.3	1.7	3.3	4.9	6.5	8.1	9.7	11.3	12.9	14.5
EMISSION RATE	6.0	2.4	2.6	2.7	2.9	3.0	3.2	3.5	3.7	4.0
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
MANIFOLD	18.9	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.6	18.5
LOAD POINT	16.1	17.7	19.3	20.9	22.5	24.1	25.7	27.3	28.9	30.5
EMISSION RATE	4.2	4.5	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.7
THROTTLE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
MANIFOLD	18.5	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7
SPEED POINT 1000.0										
LOAD POINT	-8.6	0.7	13.3	25.9	38.5	51.1	63.7	76.3	88.9	101.5
EMISSION RATE	6.0	3.0	4.2	9.4	19.2	30.1	37.5	41.2	45.2	53.6
THROTTLE	1.5	1.5	1.5	1.8	2.3	3.0	3.9	4.9	5.9	7.1
MANIFOLD	19.7	19.7	19.5	18.7	17.7	16.3	14.7	13.1	11.5	10.0

LOAD POINT	114.0	126.6	139.2	151.8	164.4	177.0	189.6	202.2	214.8	227.4
EMISSION RATE	70.6	100.4	143.5	189.3	213.5	198.3	154.6	109.9	81.9	74.8
THROTTLE	8.2	9.5	10.8	11.9	12.9	13.8	15.3	18.7	29.1	71.0
MANIFOLD	8.6	7.5	6.5	5.8	5.2	4.6	4.1	3.3	2.1	0.3
SPEED POINT	1300.0									
LOAD POINT	-15.0	1.3	14.7	28.2	41.6	55.0	68.4	81.8	95.3	108.7
EMISSION RATE	6.0	4.7	9.2	16.5	23.3	28.5	35.2	48.8	77.9	133.3
THROTTLE	2.0	2.0	2.0	2.7	4.0	5.5	6.8	7.7	8.3	8.8
MANIFOLD	21.0	21.0	20.2	18.8	17.2	15.6	14.0	12.6	11.4	10.3
LOAD POINT	122.1	135.5	148.9	162.4	175.8	189.2	202.6	216.0	229.5	242.9
EMISSION RATE	216.3	283.1	283.1	218.6	134.2	82.3	64.1	75.2	121.6	146.2
THROTTLE	9.6	10.9	12.6	14.5	16.2	17.0	17.3	18.7	26.5	71.0
MANIFOLD	9.3	8.4	7.5	6.6	5.5	4.4	3.3	2.2	1.2	0.7
SPEED POINT	1600.0									
LOAD POINT	-21.4	1.3	15.0	28.6	42.2	55.9	69.5	83.1	96.8	110.4
EMISSION RATE	6.0	6.9	9.6	16.0	26.5	41.8	63.5	95.2	141.4	203.8
THROTTLE	3.0	3.0	4.1	5.4	6.7	7.7	8.5	9.2	10.0	10.9
MANIFOLD	21.3	21.3	19.0	17.4	16.2	15.3	14.4	13.5	12.5	11.4
LOAD POINT	124.1	137.7	151.3	165.0	178.6	192.2	205.9	219.5	233.1	246.8
EMISSION RATE	273.4	325.0	328.4	278.1	202.7	136.7	95.5	78.6	84.3	119.0
THROTTLE	12.1	13.7	15.5	17.4	19.0	20.3	21.8	25.0	34.8	71.0
MANIFOLD	10.3	9.2	8.1	7.0	6.0	5.1	4.2	3.3	2.1	0.5
SPEED POINT	2000.0									
LOAD POINT	-30.0	1.4	15.2	29.1	42.9	56.7	70.6	84.4	98.2	112.0
EMISSION RATE	6.0	9.7	16.9	29.2	48.9	78.9	123.4	186.1	267.1	356.7
THROTTLE	4.2	4.2	5.2	6.4	7.6	8.6	9.5	10.4	11.5	12.7
MANIFOLD	19.9	19.9	18.8	17.8	16.9	16.0	15.0	14.0	12.9	11.8
LOAD POINT	125.9	139.7	153.5	167.3	181.2	195.0	208.8	222.7	236.5	250.3
EMISSION RATE	431.5	446.6	432.0	354.8	263.3	186.5	136.2	112.3	114.2	151.9
THROTTLE	14.2	16.0	18.0	19.9	21.7	23.2	25.1	28.8	38.8	71.0
MANIFOLD	10.7	9.6	8.5	7.4	6.4	5.3	4.3	3.2	2.0	0.7
SPEED POINT	2500.0									
LOAD POINT	-40.7	1.5	15.3	29.0	42.8	56.6	70.3	84.1	97.8	111.6
EMISSION RATE	6.0	16.8	28.9	54.8	97.9	153.7	211.1	262.6	311.1	367.2
THROTTLE	6.8	6.8	7.1	8.0	9.2	10.5	11.8	13.1	14.4	15.9
MANIFOLD	20.0	20.0	19.2	18.4	17.5	16.6	15.6	14.5	13.4	12.3
LOAD POINT	125.3	139.1	152.9	166.6	180.4	194.1	207.9	221.6	235.4	249.2
EMISSION RATE	442.0	538.5	600.8	600.8	600.8	455.2	269.7	149.7	109.8	202.3
THROTTLE	17.5	19.4	21.3	23.3	25.1	26.7	28.8	32.7	42.5	71.0
MANIFOLD	11.2	10.0	8.9	7.6	6.4	5.2	4.0	2.9	1.9	1.1
SPEED POINT	3000.0									
LOAD POINT	-51.4	2.0	15.1	28.3	41.5	54.6	67.8	81.0	94.1	107.3
EMISSION RATE	6.0	25.9	31.7	81.5	154.7	184.7	172.6	166.2	194.7	278.0
THROTTLE	9.2	9.2	10.2	11.5	12.8	13.9	15.0	16.3	17.9	20.0
MANIFOLD	20.1	20.1	19.3	18.5	17.6	16.7	15.7	14.6	13.5	12.4
LOAD POINT	120.5	133.6	146.8	160.0	173.1	186.3	199.5	212.6	225.8	239.0
EMISSION RATE	427.2	595.5	606.7	606.7	569.7	606.7	606.7	606.7	606.7	216.9
THROTTLE	22.6	25.6	28.5	30.6	31.3	30.8	29.9	30.8	38.4	71.0
MANIFOLD	11.1	9.9	8.6	7.3	6.1	4.9	3.8	2.8	1.9	1.3
SPEED POINT	3500.0									
LOAD POINT	-62.1	2.6	14.7	26.9	39.0	51.1	63.3	75.4	87.5	99.7
EMISSION RATE	6.0	36.9	62.7	73.8	82.7	99.7	130.9	181.9	257.2	358.5
THROTTLE	11.1	11.1	12.4	13.5	14.6	15.9	17.3	18.9	20.7	22.5
MANIFOLD	20.0	20.0	19.2	18.4	17.6	16.7	15.7	14.8	13.7	12.6
LOAD POINT	111.8	123.9	136.1	148.2	160.4	172.5	184.6	196.8	208.9	221.0
EMISSION RATE	482.0	613.1	686.7	686.7	665.7	483.5	290.7	163.2	118.8	218.2
THROTTLE	24.3	26.0	27.7	29.5	31.5	34.2	38.2	44.3	54.1	70.0
MANIFOLD	11.4	10.2	8.8	7.5	6.1	4.7	3.5	2.5	1.9	1.8
SPEED POINT	3800.0									
LOAD POINT	-68.6	3.1	14.5	25.9	37.2	48.6	60.0	71.4	82.7	94.1
EMISSION RATE	6.0	46.6	67.7	91.2	117.0	148.6	192.4	256.6	349.3	472.0



THROTTLE	11.7	11.7	12.7	13.9	15.3	16.7	18.2	19.8	21.5	23.3
MANIFOLD	19.7	19.7	18.9	18.1	17.3	16.5	15.6	14.6	13.5	12.3
LOAD PCINT	105.5	116.4	128.2	139.6	151.0	162.4	173.7	185.1	196.5	207.9
EMISSION RATE	609.0	718.9	743.8	675.3	530.8	378.3	264.0	202.1	196.1	283.5
THROTTLE	25.3	27.5	29.6	31.7	33.7	35.7	38.3	42.5	50.8	70.0
MANIFOLD	11.1	9.7	8.4	7.1	5.8	4.6	3.6	2.8	2.2	2.0
*ENGINE	X6CJL7		RPM		TORQUE		G/HR(*.1)			
1976 CHEV	305.0	ENGINE	RAW CO	MAP	CATALYTIC	CONVERTER				
DATA	3.736	3.480	8.	600.	3800.	.1000	.7160			
SPEED POINT	600.0									
LOAD POINT	0.0	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
EMISSION RATE	5.9	5.9	6.1	6.2	6.3	6.5	6.6	6.8	6.9	7.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1
LOAD POINT	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.6
EMISSION RATE	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.2	8.3	8.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2
SPEED POINT	800.0									
LOAD POINT	-4.3	1.7	3.3	4.9	6.5	8.1	9.7	11.3	12.9	14.5
EMISSION RATE	5.9	15.1	16.6	18.0	19.2	20.3	21.1	21.8	22.3	22.7
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
MANIFOLD	18.9	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.6	18.5
LOAD POINT	16.1	17.7	19.3	20.9	22.5	24.1	25.7	27.3	28.9	30.5
EMISSION RATE	22.8	22.8	22.6	22.3	21.7	21.0	20.1	19.0	17.8	16.4
THROTTLE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
MANIFOLD	18.5	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7
SPEED POINT	1000.0									
LOAD POINT	-8.6	0.7	13.3	25.9	38.5	51.1	63.7	76.3	88.9	101.5
EMISSION RATE	5.9	11.1	13.8	16.1	16.5	14.6	11.4	8.1	5.8	4.3
THROTTLE	1.5	1.5	1.5	1.8	2.3	3.0	3.9	4.9	5.9	7.1
MANIFOLD	19.7	19.7	19.5	18.7	17.7	16.3	14.7	13.1	11.5	10.0
LOAD POINT	114.0	126.6	139.2	151.8	164.4	177.0	189.6	202.2	214.8	227.4
EMISSION RATE	3.8	4.0	5.6	10.2	23.8	66.5	195.6	494.7	645.1	607.4
THROTTLE	8.2	9.5	10.8	11.9	12.9	13.8	15.3	18.7	29.1	71.0
MANIFOLD	8.6	7.5	6.5	5.8	5.2	4.6	4.1	3.3	2.1	0.3
SPEED POINT	1300.0									
LOAD POINT	-15.0	1.3	14.7	28.2	41.6	55.0	68.4	81.8	95.3	108.7
EMISSION RATE	5.9	18.7	29.4	28.8	20.9	13.0	7.9	5.2	5.1	5.1
THROTTLE	2.0	2.0	2.0	2.7	4.0	5.5	6.8	7.7	8.3	8.8
MANIFOLD	21.0	21.0	20.2	18.8	17.2	15.6	14.0	12.6	11.4	10.3
LOAD PCINT	122.1	135.5	148.9	162.4	175.8	189.2	202.6	216.0	229.5	242.9
EMISSION RATE	5.1	7.7	15.3	36.5	96.9	257.2	598.2	718.6	718.6	589.5
THROTTLE	9.6	10.9	12.6	14.5	16.2	17.0	17.3	18.7	26.5	71.0
MANIFOLD	9.3	8.4	7.5	6.6	5.5	4.4	3.3	2.2	1.2	0.7
SPEED POINT	1600.0									
LOAD POINT	-21.4	1.3	15.0	28.6	42.2	55.9	69.5	83.1	96.8	110.4
EMISSION RATE	5.9	21.4	18.4	15.2	12.4	10.2	8.7	8.0	8.0	8.9
THROTTLE	3.0	3.0	4.1	5.4	6.7	7.7	8.5	9.2	10.0	10.9
MANIFOLD	21.3	21.3	19.0	17.4	16.2	15.3	14.4	13.5	12.5	11.4
LOAD POINT	124.1	137.7	151.3	165.0	178.6	192.2	205.9	219.5	233.1	246.8
EMISSION RATE	11.4	16.8	28.2	53.6	110.5	235.4	480.5	852.1	1036.0	1036.0
THROTTLE	12.1	13.7	15.5	17.4	19.0	20.3	21.8	25.0	34.8	71.0
MANIFOLD	10.3	9.2	8.1	7.0	6.0	5.1	4.2	3.3	2.1	0.5
SPEED POINT	2000.0									
LOAD POINT	-30.0	1.4	15.2	29.1	42.9	56.7	70.6	84.4	98.2	112.0
EMISSION RATE	5.9	23.2	17.8	14.5	12.8	12.2	12.6	14.2	17.4	23.3
THROTTLE	4.2	4.2	5.2	6.4	7.6	8.6	9.5	10.4	11.5	12.7
MANIFOLD	19.9	19.9	18.8	17.8	16.9	16.0	15.0	14.0	12.9	11.8
LOAD POINT	125.9	139.7	153.5	167.3	181.2	195.0	208.8	222.7	236.5	250.3
EMISSION RATE	33.7	52.3	85.8	146.3	253.0	430.4	694.3	1015.9	1256.0	1256.0

THROTTLE	14.2	16.0	18.0	19.9	21.7	23.2	25.1	28.8	38.8	71.0
MANIFOLD	10.7	9.6	8.5	7.4	6.4	5.3	4.3	3.2	2.0	0.7
SPEED POINT	2500.0									
LOAD POINT	-40.7	1.5	15.3	29.0	42.8	56.6	70.3	84.1	97.8	111.6
EMISSION RATE	5.9	24.1	14.1	14.0	16.2	22.6	32.3	45.2	60.3	77.1
THROTTLE	6.8	6.8	7.1	8.0	9.2	10.5	11.8	13.1	14.4	15.9
MANIFOLD	20.0	20.0	19.2	18.4	17.5	16.6	15.6	14.5	13.4	12.3
LOAD POINT	125.3	139.1	152.9	166.6	180.4	194.1	207.9	221.6	235.4	249.2
EMISSION RATE	96.4	121.5	159.0	221.9	333.6	534.3	875.2	1355.6	1626.0	1587.4
THROTTLE	17.5	19.4	21.3	23.3	25.1	26.7	28.8	32.7	42.5	71.0
MANIFOLD	11.2	10.0	8.9	7.6	6.4	5.2	4.0	2.9	1.9	1.1
SPEED POINT	3000.0									
LOAD POINT	-51.4	2.0	15.1	28.3	41.5	54.6	67.8	81.0	94.1	107.3
EMISSION RATE	5.9	17.8	12.3	15.3	25.3	44.2	72.0	102.1	125.3	137.5
THROTTLE	9.2	9.2	10.2	11.5	12.8	13.9	15.0	16.3	17.9	20.0
MANIFOLD	20.1	20.1	19.3	18.5	17.6	16.7	15.7	14.6	13.5	12.4
LOAD POINT	120.5	133.6	146.8	160.0	173.1	186.3	199.5	212.6	225.8	239.0
EMISSION RATE	143.1	152.0	176.5	236.4	373.1	677.8	1303.8	1688.0	1688.0	1688.0
THROTTLE	22.6	25.6	28.5	30.6	31.3	30.8	29.9	30.8	38.4	71.0
MANIFOLD	11.1	9.9	8.6	7.3	6.1	4.9	3.8	2.8	1.9	1.3
SPEED POINT	3500.0									
LOAD POINT	-62.1	2.6	14.7	26.9	39.0	51.1	63.3	75.4	87.5	99.7
EMISSION RATE	5.9	13.3	25.0	46.4	77.6	111.8	138.1	149.2	147.2	139.9
THROTTLE	11.1	11.1	12.4	13.5	14.6	15.9	17.3	18.9	20.7	22.5
MANIFOLD	20.0	20.0	19.2	18.4	17.6	16.7	15.7	14.8	13.7	12.6
LOAD POINT	111.8	123.9	136.1	148.2	160.4	172.5	184.6	196.8	208.9	221.0
EMISSION RATE	135.8	142.4	168.8	232.0	369.8	660.2	1222.2	2038.0	238.0	214.4
THROTTLE	24.3	26.0	27.7	29.5	31.5	34.2	38.2	44.3	54.1	70.0
MANIFOLD	11.4	10.2	8.8	7.5	6.1	4.7	3.5	2.5	1.9	1.8
SPEED POINT	3800.0									
LOAD POINT	-68.6	3.1	14.5	25.9	37.2	48.5	60.0	71.4	82.7	94.1
EMISSION RATE	5.9	15.0	26.9	49.7	83.5	119.6	143.6	147.8	137.2	123.0
THROTTLE	11.7	11.7	12.7	13.9	15.3	16.7	18.2	19.8	21.5	23.3
MANIFOLD	19.7	19.7	18.9	18.1	17.3	16.5	15.6	14.6	13.5	12.3
LOAD POINT	105.5	116.9	128.2	139.6	151.0	162.4	173.7	185.1	196.5	207.9
EMISSION RATE	114.9	119.8	147.5	220.8	399.2	824.4	1737.1	1980.0	1980.0	1954.9
THROTTLE	25.3	27.5	29.6	31.7	33.7	35.7	38.3	42.5	50.8	70.0
MANIFOLD	11.1	9.7	8.4	7.1	5.8	4.6	3.6	2.8	2.2	2.0
*ENGINE		Y6CJL7		RPM		TORQUE		G/HR		
1976 CHEV	305.0	ENGINE	RAW HC	MAP		CATALYTIC		CONVERTER		
DATA	3.736	3.480	8.	600.	3800.	.1000	.7160			
SPEED POINT	600.0									
LOAD POINT	0.0	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
EMISSION RATE	103.5	103.5	102.0	100.4	98.9	97.3	95.8	94.2	92.7	91.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1
LOAD POINT	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.6
EMISSION RATE	89.6	88.0	86.5	84.9	83.4	81.8	80.3	78.8	77.2	75.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2
SPEED POINT	800.0									
LOAD POINT	-4.3	1.7	3.3	4.9	6.5	8.1	9.7	11.3	12.9	14.5
EMISSION RATE	103.5	270.9	244.9	220.6	197.8	176.7	157.2	139.4	123.2	108.6
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
MANIFOLD	18.9	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.6	18.5
LOAD POINT	16.1	17.7	19.3	20.9	22.5	24.1	25.7	27.3	28.9	30.5
EMISSION RATE	95.6	84.2	74.5	66.4	59.9	55.1	51.9	50.3	50.3	52.0
THROTTLE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
MANIFOLD	18.5	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7
SPEED POINT	1000.0									
LOAD POINT	-8.6	0.7	13.3	25.9	38.5	51.1	63.7	76.3	88.9	101.5

EMISSION RATE	103.5	185.6	68.4	41.4	38.7	38.7	42.1	48.1	53.2	56.2
THROTTLE	1.5	1.5	1.5	1.8	2.3	3.0	3.9	4.9	5.9	7.1
MANIFOLD	19.7	19.7	19.5	18.7	17.7	16.3	14.7	13.1	11.5	10.0
LOAD POINT	114.0	126.6	139.2	151.8	164.4	177.0	189.6	202.2	214.8	227.4
EMISSION RATE	57.2	57.2	57.8	60.5	67.0	78.9	97.6	121.6	141.8	137.9
THROTTLE	8.2	9.5	10.8	11.9	12.9	13.8	15.3	18.7	29.1	71.0
MANIFOLD	8.6	7.5	6.5	5.8	5.2	4.6	4.1	3.3	2.1	0.3
SPEED POINT	1300.0									
LOAD POINT	-15.0	1.3	14.7	28.2	41.6	55.0	68.4	81.8	95.3	108.7
EMISSION RATE	103.5	144.2	57.0	32.2	23.6	20.9	20.9	22.9	26.4	31.4
THROTTLE	2.0	2.0	2.0	2.7	4.0	5.5	6.8	7.7	8.3	8.8
MANIFOLD	21.0	21.0	20.2	18.8	17.2	15.6	14.0	12.6	11.4	10.3
LOAD POINT	122.1	135.5	148.9	162.4	175.8	189.2	202.6	216.0	229.5	242.9
EMISSION RATE	38.3	47.2	58.6	73.1	91.0	111.8	133.3	144.4	144.4	136.6
THROTTLE	9.6	10.9	12.6	14.5	16.2	17.0	17.3	18.7	26.5	71.0
MANIFOLD	9.3	8.4	7.5	6.6	5.5	4.4	3.3	2.2	1.2	0.7
SPEED POINT	1600.0									
LOAD POINT	-21.4	1.3	15.0	28.6	42.2	55.9	69.5	83.1	96.8	110.4
EMISSION RATE	103.5	55.9	62.2	62.7	59.9	56.2	53.0	51.1	51.0	52.8
THROTTLE	3.0	3.0	4.1	5.4	6.7	7.7	8.5	9.2	10.0	10.9
MANIFOLD	21.3	21.3	19.0	17.4	16.2	15.3	14.4	13.5	12.5	11.4
LOAD POINT	124.1	137.7	151.3	165.0	178.6	192.2	205.9	219.5	233.1	246.8
EMISSION RATE	56.8	63.0	71.8	83.2	97.1	113.2	130.8	149.1	167.5	178.7
THROTTLE	12.1	13.7	15.5	17.4	19.0	20.3	21.8	25.0	34.8	71.0
MANIFOLD	10.3	9.2	8.1	7.0	6.0	5.1	4.2	3.3	2.1	0.5
SPEED POINT	2000.0									
LOAD POINT	-30.0	1.4	15.2	29.1	42.9	56.7	70.6	84.4	98.2	112.0
EMISSION RATE	103.5	179.4	64.9	40.9	36.7	40.0	47.3	56.6	65.6	72.5
THROTTLE	4.2	4.2	5.2	6.4	7.6	8.6	9.5	10.4	11.5	12.7
MANIFOLD	19.9	19.9	18.8	17.8	16.9	16.0	15.0	14.0	12.9	11.8
LOAD POINT	125.9	139.7	153.5	167.3	181.2	195.0	208.8	222.7	236.5	250.3
EMISSION RATE	76.6	78.7	80.6	84.6	93.1	108.7	134.0	170.2	210.8	221.4
THROTTLE	14.2	16.0	18.0	19.9	21.7	23.2	25.1	28.8	38.8	71.0
MANIFOLD	10.7	9.6	8.5	7.4	6.4	5.3	4.3	3.2	2.0	0.7
SPEED POINT	2500.0									
LOAD POINT	-40.7	1.5	15.3	29.0	42.8	56.6	70.3	84.1	97.8	111.6
EMISSION RATE	103.5	171.9	37.8	21.6	22.0	29.9	44.7	64.6	84.8	99.0
THROTTLE	6.8	6.8	7.1	8.0	9.2	10.5	11.8	13.1	14.4	15.9
MANIFOLD	20.0	20.0	19.2	18.4	17.5	16.6	15.6	14.5	13.4	12.3
LOAD POINT	125.3	139.1	152.9	166.6	180.4	194.1	207.9	221.6	235.4	249.2
EMISSION RATE	104.8	104.8	104.3	108.7	123.1	153.4	204.7	259.7	259.7	246.2
THROTTLE	17.5	19.4	21.3	23.3	25.1	26.7	28.8	32.7	42.5	71.0
MANIFOLD	11.2	10.0	8.9	7.6	6.4	5.2	4.0	2.9	1.9	1.1
SPEED POINT	3000.0									
LOAD POINT	-51.4	2.0	15.1	28.3	41.5	54.6	67.8	81.0	94.1	107.3
EMISSION RATE	103.5	21.4	15.0	15.2	18.6	24.0	30.5	36.5	41.2	44.8
THROTTLE	9.2	9.2	10.2	11.5	12.8	13.9	15.0	16.3	17.9	20.0
MANIFOLD	20.1	20.1	19.3	18.5	17.6	16.7	15.7	14.6	13.5	12.4
LOAD POINT	129.5	133.6	146.8	160.0	173.1	186.3	199.5	212.6	225.8	239.0
EMISSION RATE	48.7	55.2	67.4	91.1	135.9	216.5	265.2	265.2	265.2	262.1
THROTTLE	22.6	25.6	28.5	30.6	31.3	30.8	29.9	30.8	38.4	71.0
MANIFOLD	11.1	9.9	8.6	7.3	6.1	4.9	3.8	2.8	1.9	1.3
SPEED POINT	3500.0									
LOAD POINT	-62.1	2.6	14.7	26.9	39.0	51.1	63.3	75.4	87.5	99.7
EMISSION RATE	103.5	5.3	10.9	21.1	35.7	51.9	64.7	70.8	70.6	66.9
THROTTLE	11.1	11.1	12.4	13.5	14.6	15.9	17.3	18.9	20.7	22.5
MANIFOLD	20.0	20.0	19.2	18.4	17.6	16.7	15.7	14.8	13.7	12.6
LOAD POINT	111.8	123.9	136.1	148.2	160.4	172.5	184.6	196.8	208.9	221.0
EMISSION RATE	63.5	63.0	67.9	81.3	108.5	157.4	234.9	298.4	298.4	291.3
THROTTLE	24.3	26.0	27.7	29.5	31.5	34.2	38.2	44.3	54.1	70.0
MANIFOLD	11.4	10.2	8.8	7.5	6.1	4.7	3.5	2.5	1.9	1.8

SPEED POINT	3800.0									
LOAD POINT	-68.6	3.1	14.5	25.9	37.2	48.6	60.0	71.4	82.7	94.1
EMISSION RATE	103.5	6.3	12.5	23.2	38.3	54.2	65.6	69.6	67.3	62.1
THROTTLE	11.7	11.7	12.7	13.9	15.3	16.7	18.2	19.8	21.5	23.3
MANIFOLD	19.7	19.7	18.9	18.1	17.3	16.5	15.6	14.6	13.5	12.3
LOAD POINT	105.5	116.9	128.2	139.6	151.0	162.4	173.7	185.1	196.5	207.9
EMISSION RATE	57.8	56.9	61.8	75.9	105.8	162.8	260.3	378.1	378.1	374.1
THROTTLE	25.3	27.5	29.6	31.7	33.7	35.7	38.3	42.5	50.8	70.0
MANIFOLD	11.1	9.7	8.4	7.1	5.8	4.6	3.6	2.8	2.2	2.0
*ENGINE	Z6CJL7			RPM		TORQUE		G/HR		
1976 CHEV	3C5.0	ENGINE	RAW	NOX	MAP	CATALYTIC	CCNVERTER			
DATA	3.736	3.480	8.	600.	3800.	1000	7160			
SPEED POINT	600.0									
LOAD POINT	0.0	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
EMISSION RATE	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1
LOAD POINT	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.6
EMISSION RATE	4.9	4.8	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2
SPEED POINT	800.0									
LOAD POINT	-4.3	1.7	3.3	4.9	6.5	8.1	9.7	11.3	12.9	14.5
EMISSION RATE	5.8	1.2	1.3	1.4	1.6	1.8	2.0	2.3	2.5	2.8
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
MANIFOLD	18.9	18.9	18.9	18.8	18.8	18.7	18.7	18.6	18.6	18.5
LOAD POINT	16.1	17.7	19.3	20.9	22.5	24.1	25.7	27.3	28.9	30.5
EMISSION RATE	3.2	3.5	3.9	4.4	4.8	5.3	5.8	6.3	6.9	7.5
THROTTLE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
MANIFOLD	18.5	18.4	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7
SPEED POINT	1000.0									
LOAD POINT	-8.6	0.7	13.3	25.9	38.5	51.1	63.7	76.3	88.9	101.5
EMISSION RATE	5.8	1.7	3.4	9.3	20.9	33.7	41.4	44.4	47.9	56.4
THROTTLE	1.5	1.5	1.5	1.8	2.3	3.0	3.9	4.9	5.9	7.1
MANIFOLD	19.7	19.7	19.5	18.7	17.7	16.3	14.7	13.1	11.5	10.0
LOAD POINT	114.0	126.6	139.2	151.8	164.4	177.0	189.6	202.2	214.8	227.4
EMISSION RATE	73.9	104.2	146.9	192.0	220.0	218.2	193.6	162.9	134.5	100.7
THROTTLE	8.2	9.5	10.8	11.9	12.9	13.8	15.3	18.7	29.1	71.0
MANIFOLD	8.6	7.5	6.5	5.6	5.2	4.6	4.1	3.3	2.1	0.3
SPEED POINT	1300.0									
LOAD POINT	-15.0	1.3	14.7	28.2	41.6	55.0	68.4	81.8	95.3	108.7
EMISSION RATE	5.8	3.4	8.6	16.1	22.5	27.4	34.0	47.9	77.4	134.0
THROTTLE	2.0	2.0	2.0	2.7	4.0	5.5	6.8	7.7	8.3	8.8
MANIFOLD	21.0	21.0	20.2	18.8	17.2	15.6	14.0	12.6	11.4	10.3
LOAD POINT	122.1	135.5	148.9	162.4	175.8	189.2	202.6	216.0	229.5	242.9
EMISSION RATE	220.2	280.8	280.8	265.4	184.9	130.4	114.1	138.9	202.7	182.1
THROTTLE	9.6	10.9	12.6	14.5	16.2	17.0	17.3	18.7	26.5	71.0
MANIFOLD	9.3	8.4	7.5	6.6	5.5	4.4	3.3	2.2	1.2	0.7
SPEED POINT	1600.0									
LOAD POINT	-21.4	1.3	15.0	28.6	42.2	55.9	69.5	83.1	96.8	110.4
EMISSION RATE	5.8	4.9	8.1	12.9	21.9	38.3	65.0	101.4	143.2	186.3
THROTTLE	3.0	3.0	4.1	5.4	6.7	7.7	8.5	9.2	10.0	10.9
MANIFOLD	21.3	21.3	19.0	17.4	16.2	15.3	14.4	13.5	12.5	11.4
LOAD POINT	124.1	137.7	151.3	165.0	178.6	192.2	205.9	219.5	233.1	246.8
EMISSION RATE	231.2	282.0	340.0	388.0	388.0	336.6	220.5	123.1	83.4	153.6
THROTTLE	12.1	13.7	15.5	17.4	19.0	20.3	21.8	25.0	34.8	71.0
MANIFOLD	10.3	9.2	8.1	7.0	6.0	5.1	4.2	3.3	2.1	0.5
SPEED POINT	2000.0									
LOAD POINT	-30.0	1.4	15.2	29.1	42.9	56.7	70.6	84.4	98.2	112.0
EMISSION RATE	5.8	7.2	14.7	26.5	46.5	79.9	130.2	196.2	271.1	347.5
THROTTLE	4.2	4.2	5.2	6.4	7.6	8.6	9.5	10.4	11.5	12.7

MANIFOLD	19.9	19.9	18.8	17.8	16.9	16.0	15.0	14.0	12.9	11.8
LOAD POINT	125.9	139.7	153.5	167.3	181.2	195.0	208.8	222.7	236.5	250.3
EMISSION RATE	422.5	495.3	540.8	540.8	540.8	436.1	285.0	169.8	125.5	223.1
THROTTLE	14.2	16.0	18.0	19.9	21.7	23.2	25.1	28.8	38.8	71.0
MANIFOLD	10.7	9.6	8.5	7.4	6.4	5.3	4.3	3.2	2.0	0.7
SPEED POINT	2500.0									
LOAD POINT	-40.7	1.5	15.3	29.0	42.8	56.6	70.3	84.1	97.8	111.6
EMISSION RATE	5.8	14.2	29.2	55.0	95.2	151.3	221.5	302.0	390.8	489.3
THROTTLE	6.8	6.8	7.1	8.0	9.2	10.5	11.8	13.1	14.4	15.9
MANIFOLD	20.0	20.0	19.2	18.4	17.5	16.6	15.6	14.5	13.4	12.3
LOAD POINT	125.3	139.1	152.9	166.6	180.4	194.1	207.9	221.6	235.4	249.2
EMISSION RATE	599.4	715.6	771.4	771.4	764.3	582.5	379.8	238.1	191.1	339.8
THROTTLE	17.5	19.4	21.3	23.3	25.1	26.7	28.8	32.7	42.5	71.0
MANIFOLD	11.2	10.0	8.9	7.6	6.4	5.2	4.0	2.9	1.9	1.1
SPEED POINT	3000.0									
LOAD POINT	-51.4	2.0	15.1	28.3	41.5	54.6	67.8	81.0	94.1	107.3
EMISSION RATE	5.8	23.3	35.3	70.9	126.6	189.8	256.3	337.8	449.5	589.6
THROTTLE	9.2	9.2	10.2	11.5	12.8	13.9	15.0	16.3	17.9	20.0
MANIFOLD	20.1	20.1	19.3	18.5	17.6	16.7	15.7	14.6	13.5	12.4
LOAD POINT	120.5	133.6	146.8	160.0	173.1	186.3	199.5	212.6	225.8	239.0
EMISSION RATE	720.1	779.7	748.4	686.6	697.3	779.7	779.7	779.7	779.7	475.8
THROTTLE	22.6	25.6	28.5	30.6	31.3	30.8	29.9	30.8	38.4	71.0
MANIFOLD	11.1	9.9	8.6	7.3	6.1	4.9	3.8	2.8	1.9	1.3
SPEED POINT	3500.0									
LOAD POINT	-62.1	2.6	14.7	26.9	39.0	51.1	63.3	75.4	87.5	99.7
EMISSION RATE	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	11.1	11.1	12.4	13.5	14.6	15.9	17.3	18.9	20.7	22.5
MANIFOLD	20.0	20.0	19.2	18.4	17.6	16.7	15.7	14.8	13.7	12.6
LOAD POINT	111.8	123.9	136.1	148.2	160.4	172.5	184.6	196.8	208.9	221.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.3	26.0	27.7	29.5	31.5	34.2	38.2	44.3	54.1	70.0
MANIFOLD	11.4	10.2	8.8	7.5	6.1	4.7	3.5	2.5	1.9	1.8
SPEED POINT	3800.0									
LOAD POINT	-68.6	3.1	14.5	25.9	37.2	48.6	60.0	71.4	82.7	94.1
EMISSION RATE	5.8	47.7	79.0	121.4	181.9	263.8	362.4	466.7	568.3	667.4
THROTTLE	11.7	11.7	12.7	13.9	15.3	16.7	18.2	19.8	21.5	23.3
MANIFOLD	19.7	19.7	18.9	18.1	17.3	16.5	15.6	14.6	13.5	12.3
LOAD POINT	105.5	116.9	128.2	139.6	151.0	162.4	173.7	185.1	196.5	207.9
EMISSION RATE	771.6	883.5	929.0	929.0	903.4	661.5	400.0	232.0	193.8	527.0
THROTTLE	25.3	27.5	29.6	31.7	33.7	35.7	38.3	42.5	50.8	70.0
MANIFOLD	11.1	9.7	8.4	7.1	5.8	4.6	3.6	2.8	2.2	2.0

A.4 1975 CHEVROLET (VEGA) 140 CID (2.3 LITER), 2 BBL

*ENGINE	F5CFB6	RPM	TORQUE				LB/HR			
1975 CHEVR	ENGINE	FUEL	MAP	CATALYTIC	CONVERTER					
DATA 2 BBL	3.501	3.625	4.	700.	4400.	.0540	.7157			
SPEED POINT	600.0									
LOAD POINT	0.0	7.4	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1
FUEL RATE	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8
LOAD POINT	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9
FUEL RATE	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.5	12.5
SPEED POINT	700.0									
LOAD POINT	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FUEL RATE	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FUEL RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
SPEED POINT	1000.0									
LOAD POINT	-3.1	0.0	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8
FUEL RATE	1.9	2.7	3.0	3.4	3.8	4.3	4.8	5.1	5.4	5.7
THROTTLE	2.1	2.1	2.9	4.2	5.9	7.6	9.2	10.6	11.8	13.0
MANIFOLD	17.3	17.3	15.9	14.0	11.8	9.8	8.0	6.6	5.5	4.9
LOAD POINT	49.3	54.7	60.2	65.7	71.2	76.6	82.1	87.6	93.1	98.5
FUEL RATE	5.8	5.9	6.0	6.1	6.3	6.6	7.1	8.0	9.2	11.0
THROTTLE	14.4	15.8	17.4	18.9	20.3	21.6	23.5	27.8	40.4	75.0
MANIFOLD	4.5	4.2	4.0	3.8	3.5	2.9	2.2	1.4	0.6	0.1
SPEED POINT	1500.0									
LOAD POINT	-6.9	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
FUEL RATE	1.9	5.0	5.4	5.9	6.5	7.1	7.6	8.1	8.5	8.8
THROTTLE	5.8	5.8	7.8	9.6	11.6	13.7	16.0	18.4	20.8	23.0
MANIFOLD	14.5	14.5	12.0	10.2	8.9	7.8	6.9	6.1	5.4	4.7
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.7
FUEL RATE	9.1	9.3	9.5	9.8	10.3	11.0	12.0	13.5	15.6	17.8
THROTTLE	24.7	25.9	26.6	27.1	27.9	29.7	33.3	40.5	54.3	76.0
MANIFOLD	4.0	3.5	3.0	2.7	2.5	2.3	2.2	1.9	1.2	0.0
SPEED POINT	2000.0									
LOAD POINT	-10.8	0.0	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4
FUEL RATE	1.9	5.8	6.1	6.6	7.2	7.9	8.5	9.2	9.8	10.4
THROTTLE	4.6	4.6	6.6	8.4	10.2	12.1	14.5	17.3	20.4	23.6
MANIFOLD	14.8	14.8	14.0	13.1	12.1	11.0	9.8	8.6	7.4	6.2
LOAD POINT	51.1	56.8	62.5	68.1	73.8	79.5	85.2	90.8	96.5	102.2
FUEL RATE	10.9	11.5	12.0	12.7	13.5	14.5	15.9	17.7	20.1	22.7
THROTTLE	26.4	28.7	30.4	31.8	33.4	35.9	40.6	48.5	61.6	76.0
MANIFOLD	5.2	4.3	3.6	3.0	2.6	2.3	2.1	1.9	1.5	1.0
SPEED POINT	2800.0									
LOAD POINT	-17.0	0.0	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6
FUEL RATE	1.9	7.3	7.7	8.5	9.4	10.4	11.5	12.6	13.8	15.0
THROTTLE	10.0	10.0	11.5	12.8	14.4	16.4	19.0	22.3	26.3	30.6
MANIFOLD	16.3	16.3	15.6	14.8	14.0	12.9	11.8	10.4	9.0	7.5
LOAD POINT	56.9	63.2	69.6	75.9	82.2	88.5	94.8	101.2	107.5	113.8
FUEL RATE	16.2	17.4	18.6	19.9	21.3	22.8	24.5	26.5	28.8	31.3
THROTTLE	35.0	39.3	43.2	46.9	50.7	55.2	60.6	67.2	73.8	76.0
MANIFOLD	6.0	4.6	3.4	2.4	1.6	1.1	0.8	0.8	0.9	0.9
SPEED POINT	3600.0									
LOAD POINT	-23.1	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
FUEL RATE	1.9	8.9	9.2	10.2	11.6	13.2	14.9	16.6	18.3	19.8
THROTTLE	14.0	14.0	14.7	17.7	20.7	23.7	26.7	29.8	32.8	35.8

MANIFOLD	16.8	16.8	16.9	16.1	14.7	12.9	10.9	8.9	7.1	5.6
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.8
FUEL RATE	21.2	22.5	23.7	24.8	25.9	27.2	28.8	30.8	33.5	36.7
THROTTLE	38.9	42.0	45.1	48.3	51.6	54.9	58.3	61.8	65.3	69.0
MANIFOLD	4.3	3.3	2.7	2.4	2.2	2.2	2.2	2.0	1.6	1.0
SPEED POINT 4400.0										
LOAD POINT	-29.3	0:0	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7
FUEL RATE	1.9	10.8	11.6	12.8	14.3	15.9	17.6	19.3	21.1	22.8
THROTTLE	16.0	16.0	17.1	18.2	19.5	21.6	24.4	28.1	32.5	37.3
MANIFOLD	17.1	17.1	16.3	15.4	14.6	13.8	12.9	11.8	10.7	9.6
LOAD POINT	46.9	52.1	57.3	62.6	67.8	73.0	78.2	83.4	88.6	93.8
FUEL RATE	24.5	26.1	27.7	29.3	30.8	32.4	34.1	35.9	37.9	40.3
THROTTLE	42.0	46.0	48.9	50.7	51.7	52.4	53.9	57.3	63.9	76.0
MANIFOLD	8.4	7.3	6.2	5.2	4.4	3.6	3.0	2.4	1.8	1.0
*ENGINE		C5CFB6		RPM		TORQUE		G/HR(*.1)		
1975 CHEVR	139.6	ENGINE	CO MAP			CATALYTIC		CONVERTER		
DATA	3.501	3.625	4.	700.	4400.	.0540	.7157			
SPEED POINT 600.0										
LOAD POINT	0.0	7.4	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8
LOAD PCINT	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.5	12.5
SPEED POINT 700.0										
LOAD POINT	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
LCAD PCINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
SPEED POINT 1000.0										
LOAD POINT	-3.1	0.0	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8
EMISSION RATE	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.6	0.4	0.3
THROTTLE	2.1	2.1	2.9	4.2	5.9	7.6	9.2	10.6	11.8	13.0
MANIFOLD	17.3	17.3	15.9	14.0	11.8	9.8	8.0	6.6	5.5	4.9
LOAD PCINT	49.3	54.7	60.2	65.7	71.2	76.6	82.1	87.6	93.1	98.5
EMISSION RATE	0.2	0.1	0.1	0.1	0.1	0.2	0.8	4.6	38.1	401.2
THROTTLE	14.4	15.8	17.4	18.9	20.3	21.6	23.5	27.8	40.4	75.0
MANIFOLD	4.5	4.2	4.0	3.8	3.5	2.9	2.2	1.4	0.6	0.1
SPEED POINT 1500.0										
LOAD POINT	-6.9	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	0.0	43.1	15.6	7.9	4.6	2.7	1.6	0.9	0.5	0.3
THROTTLE	5.8	5.8	7.8	9.6	11.6	13.7	16.0	18.4	20.8	23.0
MANIFOLD	14.5	14.5	12.0	10.2	8.9	7.8	6.9	6.1	5.4	4.7
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.7
EMISSION RATE	0.2	0.2	0.2	0.2	0.6	1.9	8.6	47.6	263.1	705.3
THROTTLE	24.7	25.9	26.6	27.1	27.9	29.7	33.3	40.5	54.3	76.0
MANIFOLD	4.0	3.5	3.0	2.7	2.5	2.3	2.2	1.9	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-10.8	0.0	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4
EMISSION RATE	0.0	8.6	1.7	1.0	1.0	1.1	1.1	0.9	0.6	0.4
THROTTLE	4.6	4.6	6.6	8.4	10.2	12.1	14.5	17.3	20.4	23.6
MANIFOLD	14.8	14.8	14.0	13.1	12.1	11.0	9.8	8.6	7.4	6.2
LOAD POINT	51.1	56.8	62.5	68.1	73.8	79.5	85.2	90.8	96.5	102.2
EMISSION RATE	0.2	0.2	0.2	0.2	0.6	2.4	13.7	91.4	481.5	852.9
THROTTLE	26.4	28.7	30.4	31.8	33.4	35.9	40.6	48.5	61.6	76.0

MANIFOLD	5.2	4.3	3.6	3.0	2.6	2.3	2.1	1.9	1.5	1.0
SPEED POINT	2800.0									
LOAD POINT	-17.0	0.0	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6
EMISSION RATE	0.0	8.1	6.6	8.7	12.3	14.0	11.4	6.7	3.1	1.3
THROTTLE	10.0	10.0	11.5	12.8	14.4	16.4	19.0	22.3	26.3	30.6
MANIFOLD	16.3	16.3	15.6	14.8	14.0	12.9	11.8	10.4	9.0	7.5
LOAD POINT	56.9	63.2	69.6	75.9	82.2	88.5	94.8	101.2	107.5	113.8
EMISSION RATE	0.6	0.3	0.3	0.5	1.5	7.3	50.1	326.6	975.4	975.4
THROTTLE	35.0	39.3	43.2	46.9	50.7	55.2	60.6	67.2	73.8	76.0
MANIFOLD	6.0	4.6	3.4	2.4	1.6	1.1	0.8	0.8	0.9	0.9
SPEED POINT	3600.0									
LOAD POINT	-23.1	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	0.0	2.4	16.5	30.3	23.5	11.1	4.3	1.7	0.8	0.5
THROTTLE	14.0	14.0	14.7	17.7	20.7	23.7	26.7	29.8	32.8	35.8
MANIFOLD	16.8	16.8	16.9	16.1	14.7	12.9	10.9	8.9	7.1	5.6
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.8
EMISSION RATE	0.4	0.5	0.9	2.0	5.6	17.9	60.3	193.7	550.0	931.5
THROTTLE	38.9	42.0	45.1	48.3	51.6	54.9	58.3	61.8	65.3	69.0
MANIFOLD	4.3	3.3	2.7	2.4	2.2	2.2	2.2	2.0	1.6	1.0
SPEED POINT	4400.0									
LOAD POINT	-29.3	0.0	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7
EMISSION RATE	0.0	102.1	132.7	126.6	108.6	95.6	93.1	102.6	126.5	167.7
THROTTLE	15.0	16.0	17.1	18.2	19.5	21.6	24.4	28.1	32.5	37.3
MANIFOLD	17.1	17.1	16.3	15.4	14.6	13.8	12.9	11.8	10.7	9.6
LOAD POINT	46.9	52.1	57.3	62.6	67.8	73.0	78.2	83.4	88.6	93.8
EMISSION RATE	226.9	295.7	353.0	374.2	351.4	304.2	265.7	273.1	415.4	1278.7
THROTTLE	42.0	46.0	48.9	50.7	51.7	52.4	53.9	57.3	63.9	76.0
MANIFOLD	8.4	7.3	6.2	5.2	4.4	3.6	3.0	2.4	1.8	1.0
*ENGINE	H5CFB6	RPM	TORQUE	G/HR						
1975 CHEVR	139.6	ENGINE	HC MAP	CATALYTIC	CONVERTER					
DATA	3.501	3.625	4.	700.	4400.	.0540	.7157			
SPEED POINT	600.0									
LOAD POINT	0.0	7.4	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1
EMISSION RATE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8
LOAD POINT	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9
EMISSION RATE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.5	12.5
SPEED POINT	700.0									
LOAD POINT	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
SPEED POINT	1000.0									
LOAD POINT	-3.1	0.0	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8
EMISSION RATE	1.0	1.7	1.8	1.9	2.0	2.1	2.3	2.5	2.6	2.7
THROTTLE	2.1	2.1	2.9	4.2	5.9	7.6	9.2	10.6	11.8	13.0
MANIFOLD	17.3	17.3	15.9	14.0	11.8	9.8	8.0	6.6	5.5	4.9
LOAD POINT	49.3	54.7	60.2	65.7	71.2	76.6	82.1	87.6	93.1	98.5
EMISSION RATE	2.6	2.4	2.1	1.8	1.6	1.7	2.2	4.2	15.2	116.4
THROTTLE	14.4	15.8	17.4	18.9	20.3	21.6	23.5	27.8	40.4	75.0
MANIFOLD	4.5	4.2	4.0	3.8	3.5	2.9	2.2	1.4	0.6	0.1
SPEED POINT	1500.0									
LOAD POINT	-6.9	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	1.0	6.0	1.9	1.2	1.1	1.3	1.6	1.9	1.9	1.8



THROTTLE	5.8	5.8	7.8	9.6	11.6	13.7	16.0	18.4	20.8	23.0
MANIFOLD	14.5	14.5	12.0	10.2	8.9	7.8	6.9	6.1	5.4	4.7
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.7
EMISSION RATE	1.5	1.2	0.9	0.9	0.9	1.2	2.2	5.9	25.0	145.7
THROTTLE	24.7	25.9	26.6	27.1	27.9	29.7	33.3	40.5	54.3	76.0
MANIFOLD	4.0	3.5	3.0	2.7	2.5	2.3	2.2	1.9	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-10.8	0.0	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4
EMISSION RATE	1.0	1.1	1.2	1.3	1.6	1.8	1.9	2.0	1.8	1.6
THROTTLE	4.6	4.6	6.6	8.4	10.2	12.1	14.5	17.3	20.4	23.6
MANIFOLD	14.3	14.8	14.0	13.1	12.1	11.0	9.8	8.6	7.4	6.2
LOAD POINT	51.1	56.8	62.5	68.1	73.8	79.5	85.2	90.8	96.5	102.2
EMISSION RATE	1.2	0.9	0.7	0.5	0.5	0.5	0.9	2.6	16.2	141.1
THROTTLE	26.4	28.7	30.4	31.8	33.4	35.9	40.6	48.5	61.6	76.0
MANIFOLD	5.2	4.3	3.6	3.0	2.6	2.3	2.1	1.9	1.5	1.0
SPEED POINT 2600.0										
LOAD POINT	-17.0	0.0	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6
EMISSION RATE	1.0	2.1	0.4	0.3	0.7	1.7	3.8	6.5	7.5	6.2
THROTTLE	10.0	10.0	11.5	12.8	14.4	16.4	19.0	22.3	26.3	30.6
MANIFOLD	16.3	16.3	15.6	14.8	14.0	12.9	11.8	10.4	9.0	7.5
LOAD POINT	56.9	63.2	69.6	75.9	82.2	88.5	94.8	101.2	107.5	113.8
EMISSION RATE	4.0	2.4	1.5	1.3	1.5	2.9	8.2	31.0	116.3	187.2
THROTTLE	35.0	39.3	43.2	46.9	50.7	55.2	60.6	67.2	73.8	76.0
MANIFOLD	6.0	4.6	3.4	2.4	1.6	1.1	0.8	0.8	0.9	0.9
SPEED POINT 3600.0										
LOAD POINT	-23.1	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	1.0	8.0	15.5	15.5	10.4	5.8	3.1	1.8	1.2	1.1
THROTTLE	14.0	14.0	14.7	17.7	20.7	23.7	26.7	29.8	32.8	35.8
MANIFOLD	16.8	16.6	16.9	16.1	14.7	12.9	10.9	8.9	7.1	5.6
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.8
EMISSION RATE	1.1	1.1	1.2	1.7	2.8	4.8	9.1	19.5	50.6	139.2
THROTTLE	38.9	42.0	45.1	48.3	51.6	54.9	58.3	61.8	65.3	69.0
MANIFOLD	4.3	3.3	2.7	2.4	2.2	2.2	2.2	2.0	1.6	1.0
SPEED POINT 4400.0										
LOAD POINT	-29.3	0.0	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7
EMISSION RATE	1.0	75.5	80.4	77.4	73.3	71.6	73.4	79.2	88.6	99.9
THROTTLE	16.0	16.0	17.1	18.2	19.5	21.6	24.4	28.1	32.5	37.3
MANIFOLD	17.1	17.1	16.3	15.4	14.6	13.8	12.9	11.8	10.7	9.6
LOAD POINT	46.9	52.1	57.3	62.6	67.8	73.0	78.2	83.4	88.6	93.8
EMISSION RATE	110.6	116.9	116.2	108.5	96.9	86.8	84.6	101.1	174.6	542.6
THROTTLE	42.0	46.0	48.9	50.7	51.7	52.4	53.9	57.3	63.9	76.0
MANIFOLD	8.4	7.3	6.2	5.2	4.4	3.6	3.0	2.4	1.8	1.0
*ENGINE		N5CFB6		RPM		TORQUE		G/HR		
1975 CHEVR	139.6	ENGINE	KCX	MAP		CATALYTIC		CONVERTER		
DATA	3.501	3.625	4.	700.	4400.	.0540	.7157			
SPEED POINT 600.0										
LOAD POINT	0.0	7.4	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1
EMISSION RATE	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8
LOAD POINT	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9
EMISSION RATE	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.5	12.5
SPEED POINT 700.0										
LOAD POINT	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

THRITTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
SPEED POINT	1000.0									
LOAD POINT	-3.1	0.0	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8
EMISSION RATE	0.8	0.7	0.8	1.0	1.3	1.5	1.7	1.9	2.2	2.4
THRITTLE	2.1	2.1	2.9	4.2	5.9	7.6	9.2	10.6	11.8	13.0
MANIFOLD	17.3	17.3	15.9	14.0	11.8	9.8	8.0	6.6	5.5	4.9
LOAD POINT	49.3	54.7	60.2	65.7	71.2	76.6	82.1	87.6	93.1	98.5
EMISSION RATE	2.6	2.9	3.1	3.3	3.6	3.8	4.0	4.3	4.5	4.7
THRITTLE	14.4	15.8	17.4	18.9	20.3	21.6	23.5	27.8	40.4	75.0
MANIFOLD	4.5	4.2	4.0	3.8	3.5	2.9	2.2	1.4	0.6	0.1
SPEED POINT	1500.0									
LOAD POINT	-6.9	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	0.8	0.9	1.6	2.3	3.8	6.9	12.5	19.7	25.9	29.6
THRITTLE	5.8	5.8	7.8	9.6	11.6	13.7	16.0	18.4	20.8	23.0
MANIFOLD	14.5	14.5	12.0	10.2	8.9	7.8	6.9	6.1	5.4	4.7
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.7
EMISSION RATE	32.3	37.5	49.7	74.3	111.5	132.9	111.4	54.9	21.5	17.3
THRITTLE	24.7	25.9	26.6	27.1	27.9	29.7	33.3	40.5	54.3	76.0
MANIFOLD	4.0	3.5	3.0	2.7	2.5	2.3	2.2	1.9	1.2	0.0
SPEED POINT	2000.0									
LOAD POINT	-10.8	0.0	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4
EMISSION RATE	0.8	2.1	2.8	4.1	6.9	12.0	19.9	28.9	36.9	43.1
THRITTLE	4.6	4.6	6.6	8.4	10.2	12.1	14.5	17.3	20.4	23.6
MANIFOLD	14.8	14.8	14.0	13.1	12.1	11.0	9.8	8.6	7.4	6.2
LOAD POINT	51.1	56.8	62.5	68.1	73.8	79.5	85.2	90.8	96.5	102.2
EMISSION RATE	49.8	61.5	83.1	120.8	170.2	198.0	165.7	92.3	41.5	28.7
THRITTLE	26.4	28.7	30.4	31.8	33.4	35.9	40.6	48.5	61.6	76.0
MANIFOLD	5.2	4.3	3.6	3.0	2.6	2.3	2.1	1.9	1.5	1.0
SPEED POINT	2800.0									
LOAD POINT	-17.0	0.0	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6
EMISSION RATE	0.8	3.1	3.7	5.1	8.5	15.7	29.6	52.1	82.3	116.0
THRITTLE	10.0	10.0	11.5	12.8	14.4	16.4	19.0	22.3	26.3	30.6
MANIFOLD	16.3	16.3	15.6	14.8	14.0	12.9	11.8	10.4	9.0	7.5
LOAD POINT	56.9	63.2	69.6	75.9	82.2	88.5	94.8	101.2	107.5	113.8
EMISSION RATE	150.3	186.9	232.2	292.9	368.4	436.9	446.2	375.6	250.5	153.5
THRITTLE	35.0	39.3	43.2	46.9	50.7	55.2	60.6	67.2	73.8	76.0
MANIFOLD	6.0	4.6	3.4	2.4	1.6	1.1	0.8	0.8	0.9	0.9
SPEED POINT	3600.0									
LOAD POINT	-23.1	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	0.8	11.8	14.3	24.5	42.6	66.8	93.3	120.4	149.5	183.5
THRITTLE	14.0	14.0	14.7	17.7	20.7	23.7	26.7	29.8	32.8	35.8
MANIFOLD	16.8	16.8	16.9	16.1	14.7	12.9	10.9	8.9	7.1	5.6
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.8
EMISSION RATE	223.7	268.5	312.7	351.3	383.7	416.5	457.4	498.4	479.1	300.2
THRITTLE	38.9	42.0	45.1	48.3	51.6	54.9	58.3	61.8	65.3	69.0
MANIFOLD	4.3	3.3	2.7	2.4	2.2	2.2	2.2	2.0	1.6	1.0
SPEED POINT	4400.0									
LOAD POINT	-29.3	0.0	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7
EMISSION RATE	0.8	17.6	66.9	131.4	166.8	189.4	212.3	244.9	293.2	359.8
THRITTLE	16.0	16.0	17.1	18.2	19.5	21.0	24.4	28.1	32.5	37.3
MANIFOLD	17.1	17.1	16.3	15.4	14.6	13.8	12.9	11.8	10.7	9.6
LOAD POINT	46.9	52.1	57.3	62.6	67.8	73.0	78.2	83.4	88.6	93.8
EMISSION RATE	444.1	541.7	645.0	742.9	820.8	860.9	841.7	738.5	522.9	163.3
THRITTLE	42.0	46.0	48.9	50.7	51.7	52.4	53.9	57.3	63.9	76.0
MANIFOLD	8.4	7.3	6.2	5.2	4.4	3.6	3.0	2.4	1.8	1.0
*ENGINE	X5CF86		RPM		TORQUE		G/HR(*.1)			
1975 CHEVR	139.6	ENGINE	RAW CO	MAP	CATALYTIC	CC	VERTER			
DATA	3.501	3.625	4.	700.	4400.	.0540	.7157			
SPEED POINT	600.0									
LOAD POINT	0.0	7.4	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1

EMISSION RATE	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8
LOAD POINT	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9
EMISSION RATE	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.5	12.5
SPEED POINT	700.0									
LOAD POINT	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	2.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
SPEED POINT	1000.0									
LOAD POINT	-3.1	0.0	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8
EMISSION RATE	2.4	3.9	4.9	6.8	9.4	11.7	12.4	11.2	8.8	6.2
THROTTLE	2.1	2.1	2.9	4.2	5.9	7.6	9.2	10.6	11.8	13.0
MANIFOLD	17.3	17.3	15.9	14.0	11.8	9.8	8.0	6.6	5.5	4.9
LOAD POINT	49.3	54.7	60.2	65.7	71.2	76.6	82.1	87.6	93.1	98.5
EMISSION RATE	4.3	3.0	2.6	2.6	2.7	4.3	9.4	27.3	101.7	407.0
THROTTLE	14.4	15.8	17.4	18.9	20.3	21.6	23.5	27.8	40.4	75.0
MANIFOLD	4.5	4.2	4.0	3.8	3.5	2.9	2.2	1.4	0.6	0.1
SPEED POINT	1500.0									
LOAD POINT	-6.9	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	2.4	62.6	36.8	28.9	25.6	22.9	19.4	15.3	11.4	8.4
THROTTLE	5.8	5.8	7.8	9.6	11.6	13.7	16.0	18.4	20.8	23.0
MANIFOLD	14.5	14.5	12.0	10.2	8.9	7.8	6.9	6.1	5.4	4.7
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.7
EMISSION RATE	7.2	7.2	7.2	7.2	9.7	19.2	46.8	130.9	368.3	695.0
THROTTLE	24.7	25.9	26.6	27.1	27.9	29.7	33.3	40.5	54.3	76.0
MANIFOLD	4.0	3.5	3.0	2.7	2.5	2.3	2.2	1.9	1.2	0.0
SPEED POINT	2000.0									
LOAD POINT	-10.8	0.0	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4
EMISSION RATE	2.4	36.7	27.9	25.0	23.6	22.1	19.9	17.1	14.2	12.0
THROTTLE	4.6	4.6	6.6	8.4	10.2	12.1	14.5	17.3	20.4	23.6
MANIFOLD	14.8	14.8	14.0	13.1	12.1	11.0	9.8	8.6	7.4	6.2
LOAD POINT	51.1	56.8	62.5	68.1	73.8	79.5	85.2	90.8	96.5	102.2
EMISSION RATE	10.5	10.2	11.2	14.7	23.1	43.5	94.5	222.2	506.1	821.9
THROTTLE	26.4	28.7	30.4	31.8	33.4	35.9	40.6	48.5	61.6	76.0
MANIFOLD	5.2	4.3	3.6	3.0	2.6	2.3	2.1	1.9	1.5	1.0
SPEED POINT	2800.0									
LOAD POINT	-17.0	0.0	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6
EMISSION RATE	2.4	35.9	40.5	39.1	34.9	30.6	27.4	25.9	26.2	28.5
THROTTLE	10.0	10.0	11.5	12.8	14.4	16.4	19.0	22.3	26.3	30.6
MANIFOLD	16.3	16.3	15.6	14.8	14.0	12.9	11.8	10.4	9.0	7.5
LOAD POINT	56.9	63.2	69.6	75.9	82.2	88.5	94.8	101.2	107.5	113.8
EMISSION RATE	33.4	41.9	55.6	77.2	110.9	163.6	247.1	384.0	622.0	965.2
THROTTLE	35.0	39.3	43.2	46.9	50.7	55.2	60.6	67.2	73.8	76.0
MANIFOLD	6.0	4.6	3.4	2.4	1.6	1.1	0.8	0.8	0.9	0.9
SPEED POINT	3600.0									
LOAD POINT	-23.1	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	2.4	20.9	53.6	65.6	53.3	36.8	25.6	20.0	18.7	20.7
THROTTLE	14.0	14.0	14.7	17.7	20.7	23.7	26.7	29.8	32.8	35.8
MANIFOLD	16.8	16.8	16.9	16.1	14.7	12.9	10.9	8.9	7.1	5.6
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.8
EMISSION RATE	27.2	40.1	63.0	99.8	152.1	217.3	292.1	386.4	554.2	907.4
THROTTLE	38.9	42.0	45.1	48.3	51.6	54.9	58.3	61.8	65.3	69.0
MANIFOLD	4.3	3.3	2.7	2.4	2.2	2.2	2.2	2.0	1.6	1.0

SPEED POINT	4400.0										
LOAD POINT	-29.3	0.0	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7	
EMISSION RATE	2.4	98.4	150.2	156.0	136.1	116.6	107.6	111.5	129.7	164.6	
THROTTLE	16.0	16.0	17.1	18.2	19.5	21.6	24.4	28.1	32.5	37.3	
MANIFOLD	17.1	17.1	16.3	15.4	14.6	13.8	12.9	11.8	10.7	9.6	
LOAD POINT	46.9	52.1	57.3	62.6	67.8	73.0	78.2	83.4	88.6	93.8	
EMISSION RATE	217.1	281.8	342.2	375.6	369.6	335.8	305.1	316.8	473.5	1342.2	
THROTTLE	42.0	46.0	48.9	50.7	51.7	52.4	53.9	57.3	63.9	76.0	
MANIFOLD	8.4	7.3	6.2	5.2	4.4	3.6	3.0	2.4	1.8	1.0	
*ENGINE		Y5CFB6		RPM		TORQUE		G/HR			
1975 CHEVR	139.6	ENGINE	RAW	HC	MAP	CATALYTIC		CONVERTER			
DATA	3.501	3.625	4.	700.	4400.	.0540		.7157			
SPEED POINT	600.0										
LOAD POINT	0.0	7.4	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1	
EMISSION RATE	88.4	88.4	87.2	86.1	84.9	83.8	82.6	81.5	80.3	79.2	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8	
LOAD POINT	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9	
EMISSION RATE	78.0	76.9	75.7	74.6	73.4	72.3	71.1	70.0	68.8	67.7	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.5	12.5	
SPEED POINT	700.0										
LOAD POINT	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
EMISSION RATE	88.4	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
EMISSION RATE	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	
SPEED POINT	1000.0										
LOAD POINT	-3.1	0.0	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8	
EMISSION RATE	88.4	61.4	61.3	61.1	60.8	60.5	60.3	60.0	59.7	59.4	
THROTTLE	2.1	2.1	2.9	4.2	5.9	7.6	9.2	10.6	11.8	13.0	
MANIFOLD	17.3	17.3	15.9	14.0	11.8	9.8	8.0	6.6	5.5	4.9	
LOAD POINT	49.3	54.7	60.2	65.7	71.2	76.6	82.1	87.6	93.1	98.5	
EMISSION RATE	59.2	59.0	58.9	58.9	58.9	59.1	59.3	59.7	60.1	60.8	
THROTTLE	14.4	15.8	17.4	18.9	20.3	21.6	23.5	27.8	40.4	75.0	
MANIFOLD	4.5	4.2	4.0	3.8	3.5	2.9	2.2	1.4	0.6	0.1	
SPEED POINT	1500.0										
LOAD POINT	-6.9	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9	
EMISSION RATE	88.4	114.3	130.8	141.8	144.1	137.6	124.4	108.1	91.9	78.0	
THROTTLE	5.8	5.8	7.8	9.6	11.6	13.7	16.0	18.4	20.8	23.0	
MANIFOLD	14.5	14.5	12.0	10.2	8.9	7.8	6.9	6.1	5.4	4.7	
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.7	
EMISSION RATE	67.6	61.0	58.2	59.3	64.8	75.4	91.9	113.9	137.2	151.0	
THROTTLE	24.7	25.9	26.6	27.1	27.9	29.7	33.3	40.5	54.3	76.0	
MANIFOLD	4.0	3.5	3.0	2.7	2.5	2.3	2.2	1.9	1.2	0.0	
SPEED POINT	2000.0										
LOAD POINT	-10.8	0.0	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4	
EMISSION RATE	88.4	157.8	159.1	125.9	90.4	65.3	50.5	43.3	41.6	43.7	
THROTTLE	4.6	4.6	6.6	8.4	10.2	12.1	14.5	17.3	20.4	23.6	
MANIFOLD	14.8	14.8	14.0	13.1	12.1	11.0	9.8	8.6	7.4	6.2	
LOAD POINT	51.1	56.8	62.5	68.1	73.8	79.5	85.2	90.8	96.5	102.2	
EMISSION RATE	49.6	58.5	69.5	80.6	89.7	95.8	100.3	108.4	131.9	205.4	
THROTTLE	26.4	28.7	30.4	31.8	33.4	35.9	40.6	48.5	61.6	76.0	
MANIFOLD	5.2	4.3	3.6	3.0	2.6	2.3	2.1	1.9	1.5	1.0	
SPEED POINT	2800.0										
LOAD POINT	-17.0	0.0	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6	
EMISSION RATE	88.4	56.8	58.6	60.7	62.7	63.9	64.4	64.1	63.4	62.7	
THROTTLE	10.0	10.0	11.5	12.8	14.4	16.4	19.0	22.3	26.3	30.6	

MANIFOLD	16.3	16.3	15.6	14.8	14.0	12.9	11.8	10.4	9.0	7.5
LOAD POINT	56.9	63.2	69.6	75.9	82.2	88.5	94.8	101.2	107.5	113.8
EMISSION RATE	62.5	63.6	66.3	71.7	80.7	95.2	117.4	151.2	201.6	256.0
THROTTLE	35.0	39.3	43.2	46.9	50.7	55.2	60.6	67.2	73.8	76.0
MANIFOLD	6.0	4.6	3.4	2.4	1.6	1.1	0.8	0.8	0.9	0.9
SPEED POINT 3600.0										
LOAD POINT	-23.1	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	88.4	32.7	45.3	55.9	63.1	66.9	67.8	67.1	65.8	64.9
THROTTLE	14.0	14.0	14.7	17.7	20.7	23.7	26.7	29.8	32.8	35.8
MANIFOLD	16.8	16.8	16.9	16.1	14.7	12.9	10.9	8.9	7.1	5.6
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.8
EMISSION RATE	65.0	66.8	70.6	77.1	86.7	100.1	117.6	138.9	162.6	184.8
THROTTLE	38.9	42.0	45.1	48.3	51.6	54.9	58.3	61.8	65.3	69.0
MANIFOLD	4.3	3.3	2.7	2.4	2.2	2.2	2.2	2.0	1.6	1.0
SPEED POINT 4400.0										
LOAD POINT	-29.3	0.0	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7
EMISSION RATE	88.4	87.5	110.5	119.3	119.5	119.5	123.8	133.8	149.2	167.6
THROTTLE	16.0	16.0	17.1	18.2	19.5	21.6	24.4	28.1	32.5	37.3
MANIFOLD	17.1	17.1	16.3	15.4	14.6	13.8	12.9	11.8	10.7	9.6
LOAD POINT	46.9	52.1	57.3	62.6	67.8	73.0	78.2	83.4	88.6	93.8
EMISSION RATE	184.1	192.2	187.5	170.8	148.8	131.2	128.7	162.4	320.9	288.2
THROTTLE	42.0	46.0	48.9	50.7	51.7	52.4	53.9	57.3	63.9	76.0
MANIFOLD	8.4	7.3	6.2	5.2	4.4	3.6	3.0	2.4	1.8	1.0
*ENGINE		25CF86		RPM		TGKCJE		G/HR		
1975 CHEVR	139.6	ENGINE	RAW	NOX	MAP	CATALYTIC	CCNVERTER			
DATA	3.501	3.625	4.	700.	4400.	.0540	.7157			
SPEED POINT 600.0										
LOAD POINT	0.0	7.4	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1
EMISSION RATE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8
LOAD POINT	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9
EMISSION RATE	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.6	12.5	12.5
SPEED POINT 700.0										
LOAD POINT	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
SPEED POINT 1000.0										
LOAD POINT	-3.1	0.0	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8
EMISSION RATE	0.3	1.0	2.2	2.6	3.0	3.9	5.7	8.4	11.9	15.4
THROTTLE	2.1	2.1	2.9	4.2	5.9	7.6	9.2	10.6	11.8	13.0
MANIFOLD	17.3	17.3	15.9	14.0	11.8	9.8	8.0	6.6	5.5	4.9
LOAD POINT	49.3	54.7	60.2	65.7	71.2	76.6	82.1	87.6	93.1	98.5
EMISSION RATE	19.3	25.2	37.1	63.6	120.7	216.5	287.8	215.6	74.6	12.6
THROTTLE	14.4	15.8	17.4	18.9	20.3	21.6	23.5	27.8	40.4	75.0
MANIFOLD	4.5	4.2	4.0	3.8	3.5	2.9	2.2	1.4	0.6	0.1
SPEED POINT 1500.0										
LOAD POINT	-6.9	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	0.3	2.1	3.0	3.4	4.7	8.6	16.5	27.1	34.5	34.9
THROTTLE	5.8	5.8	7.8	9.6	11.6	13.7	16.0	18.4	20.8	23.0
MANIFOLD	14.5	14.5	12.0	10.2	8.9	7.8	6.9	6.1	5.4	4.7
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.7
EMISSION RATE	32.1	32.2	40.5	66.2	125.1	179.3	179.3	124.0	39.7	19.1
THROTTLE	24.7	25.9	26.6	27.1	27.9	29.7	33.3	40.5	54.3	76.0

MANIFOLD	4.0	3.5	3.0	2.7	2.5	2.3	2.2	1.9	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-10.8	0.0	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4
EMISSION RATE	0.3	2.9	4.4	5.9	8.6	13.7	21.6	30.3	36.7	39.8
THROTTLE	4.6	4.6	6.6	8.4	10.2	12.1	14.5	17.3	20.4	23.6
MANIFOLD	14.8	14.8	14.0	13.1	12.1	11.0	9.8	8.6	7.4	6.2
LOAD POINT	51.1	56.8	62.5	68.1	73.8	79.5	85.2	90.8	96.5	102.2
EMISSION RATE	42.3	48.8	66.1	105.2	180.1	277.1	295.9	207.6	89.7	40.9
THROTTLE	26.4	28.7	30.4	31.8	33.4	35.9	40.6	48.5	61.6	76.0
MANIFOLD	5.2	4.3	3.6	3.0	2.6	2.3	2.1	1.9	1.5	1.0
SPEED POINT 2800.0										
LOAD POINT	-17.0	0.0	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6
EMISSION RATE	0.3	5.4	8.3	12.7	20.9	35.9	59.0	86.7	112.1	131.2
THROTTLE	10.0	10.0	11.5	12.8	14.4	16.4	19.0	22.3	26.3	30.6
MANIFOLD	16.3	16.3	15.6	14.8	14.0	12.9	11.8	10.4	9.0	7.5
LOAD POINT	56.9	63.2	69.6	75.9	82.2	88.5	94.8	101.2	107.5	113.8
EMISSION RATE	148.2	173.8	222.3	310.8	448.3	595.0	622.1	492.1	295.2	196.6
THROTTLE	35.0	39.3	43.2	46.9	50.7	55.2	60.6	67.2	73.8	76.0
MANIFOLD	6.0	4.6	3.4	2.4	1.6	1.1	0.8	0.8	0.9	0.9
SPEED POINT 3600.0										
LOAD POINT	-23.1	0.0	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9
EMISSION RATE	0.3	12.6	16.7	29.3	56.3	101.2	155.8	199.4	217.6	215.1
THROTTLE	14.0	14.0	14.7	17.7	20.7	23.7	26.7	29.8	32.8	35.8
MANIFOLD	16.8	16.8	16.9	16.1	14.7	12.9	10.9	8.9	7.1	5.6
LOAD POINT	49.4	54.9	60.3	65.8	71.3	76.8	82.3	87.8	93.3	98.8
EMISSION RATE	208.4	213.0	240.8	303.8	412.2	555.9	674.5	677.3	557.4	435.6
THROTTLE	38.9	42.0	45.1	48.3	51.6	54.9	58.3	61.8	65.3	69.0
MANIFOLD	4.3	3.3	2.7	2.4	2.2	2.2	2.2	2.0	1.6	1.0
SPEED POINT 4400.0										
LOAD POINT	-29.3	0.0	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7
EMISSION RATE	0.3	23.4	76.5	141.2	176.0	197.3	218.2	248.5	294.6	359.4
THROTTLE	16.0	16.0	17.1	18.2	19.5	21.6	24.4	28.1	32.5	37.3
MANIFOLD	17.1	17.1	16.3	15.4	14.6	13.8	12.9	11.8	10.7	9.6
LOAD POINT	46.9	52.1	57.3	62.6	67.8	73.0	78.2	83.4	88.6	93.8
EMISSION RATE	442.8	541.0	647.0	750.5	837.7	891.6	891.7	814.2	632.1	314.8
THROTTLE	42.0	46.0	48.9	50.7	51.7	52.4	53.9	57.3	63.9	76.0
MANIFOLD	8.4	7.3	6.2	5.2	4.4	3.6	3.0	2.4	1.8	1.0

A.5 1975 CHEVROLET 250 CID (4.1 LITER), 1 BBL

*ENGINE 1975 CHEVR DATA 1 BBL	F5CMR6 250.0 3.875	ENGINE 3.530	FUEL 6.	RPM MAP 550.	TORQUE CATALYTIC 3800.	CONVERTER .0830	LB/HR CONVERTER .7157				
SPEED POINT	550.0										
LOAD PCINT	0.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	
FUEL RATE	3.6	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	
THRUTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4	
LOAD POINT	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.6	54.7	54.8	
FUEL RATE	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.5	
THRUTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0	
SPEED POINT	750.0										
LOAD PCINT	-4.0	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.1	
FUEL RATE	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	
THRUTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8	
LOAD POINT	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	
FUEL RATE	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	
THRUTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.8	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5	
SPEED POINT	850.0										
LOAD PCINT	-6.0	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
FUEL RATE	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
THRUTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	
LOAD POINT	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	
FUEL RATE	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
THRUTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	
SPEED POINT	900.0										
LOAD PCINT	-7.0	1.6	5.8	10.1	14.3	18.5	22.8	27.0	31.2	35.5	
FUEL RATE	3.6	3.8	3.9	3.9	4.0	4.2	4.3	4.4	4.5	4.7	
THRUTTLE	1.1	1.1	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.1	
MANIFOLD	17.8	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.7	14.3	
LOAD PCINT	39.7	43.9	48.2	52.4	56.6	60.9	65.1	69.3	73.6	77.8	
FUEL RATE	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.4	6.6	
THRUTTLE	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.6	5.9	
MANIFOLD	13.9	13.6	13.3	13.0	12.8	12.5	12.3	12.0	11.6	11.0	
SPEED POINT	1200.0										
LOAD PCINT	-13.1	2.6	13.9	25.3	36.7	48.0	59.4	70.7	82.1	93.4	
FUEL RATE	3.6	4.6	5.0	6.1	7.0	7.8	8.6	9.3	9.9	10.6	
THRUTTLE	15.0	15.0	4.2	3.6	5.0	7.5	10.2	12.1	12.8	12.9	
MANIFOLD	18.8	18.8	18.7	17.5	15.7	13.7	11.7	9.8	8.3	7.0	
LOAD PCINT	104.8	116.1	127.5	138.8	150.2	161.6	172.9	184.3	195.6	207.0	
FUEL RATE	11.3	12.0	12.8	13.7	14.7	15.9	17.2	18.8	20.5	22.5	
THRUTTLE	13.1	14.1	16.2	19.6	23.8	27.6	29.8	31.5	38.2	74.0	
MANIFOLD	6.0	5.1	4.4	3.7	2.9	2.1	1.4	0.7	0.5	0.5	
SPEED POINT	1500.0										
LOAD PCINT	-19.1	2.6	14.3	26.0	37.7	49.4	61.1	72.8	84.5	96.3	
FUEL RATE	3.6	5.3	6.2	7.3	8.4	9.5	10.6	11.8	13.0	14.2	
THRUTTLE	3.4	3.4	5.1	6.1	8.3	10.1	12.2	14.7	17.6	20.7	
MANIFOLD	19.8	19.8	18.7	16.9	14.7	12.4	10.2	8.3	6.7	5.5	
LOAD POINT	108.0	119.7	131.4	143.1	154.8	166.5	178.2	189.9	201.6	213.3	
FUEL RATE	15.4	16.6	17.9	19.1	20.4	21.7	23.1	24.4	25.8	27.1	
THRUTTLE	23.5	25.8	27.3	27.9	28.1	28.5	30.1	34.7	46.2	75.4	
MANIFOLD	4.5	3.8	3.4	3.1	2.8	2.5	2.1	1.6	1.1	0.5	
SPEED POINT	2100.0										
LOAD POINT	-31.1	2.2	13.4	24.6	35.8	47.0	58.2	69.4	80.6	91.9	
FUEL RATE	3.6	7.8	9.8	11.6	13.3	14.7	16.1	17.3	18.5	19.7	
THRUTTLE	6.9	6.9	10.2	12.3	13.7	14.9	16.6	18.9	21.8	24.8	

MANIFOLD	20.0	20.0	17.1	14.6	12.7	11.3	10.2	9.1	8.2	7.2
LOAD POINT	103.1	114.3	125.5	136.7	147.9	159.1	170.3	181.5	192.7	203.9
FUEL RATE	20.9	22.1	23.4	24.8	26.3	28.0	30.0	32.1	34.5	37.3
THROTTLE	27.5	29.3	29.9	29.5	28.9	28.9	30.8	36.2	48.6	75.6
MANIFCLD	6.4	5.6	4.9	4.4	3.9	3.6	3.2	2.7	1.9	0.5
SPEED POINT	2700.0									
LOAD POINT	-43.2	2.4	12.2	22.0	31.8	41.6	51.4	61.2	71.0	80.8
FUEL RATE	3.6	11.4	12.5	14.0	15.4	16.8	18.2	19.6	21.2	22.8
THROTTLE	10.5	10.5	12.2	13.5	14.6	16.0	17.7	19.8	22.4	25.1
MANIFOLD	17.8	17.8	16.8	15.7	14.6	13.4	12.2	11.0	9.9	8.7
LOAD POINT	90.6	100.4	110.2	120.0	129.8	139.6	149.4	159.3	169.1	178.9
FUEL RATE	24.5	26.3	28.3	30.5	32.8	35.3	38.1	41.1	44.4	47.9
THROTTLE	27.8	30.2	32.1	33.3	34.2	35.4	37.7	42.6	53.1	76.0
MANIFCLD	7.7	6.6	5.7	4.9	4.1	3.5	2.9	2.4	1.9	1.5
SPEED POINT	3300.0									
LOAD POINT	-55.2	2.0	10.9	19.9	28.8	37.7	46.7	55.6	64.5	73.5
FUEL RATE	3.6	14.3	15.9	17.8	19.6	21.4	23.2	25.0	26.8	28.6
THROTTLE	13.0	13.0	15.0	17.0	19.0	20.7	22.4	24.2	26.1	28.2
MANIFOLD	18.0	18.0	16.8	15.6	14.4	13.3	12.2	11.0	9.9	8.7
LOAD POINT	82.4	91.3	100.3	109.2	118.1	127.1	136.0	144.9	153.9	162.8
FUEL RATE	30.4	32.3	34.2	36.3	38.6	41.0	43.7	46.7	50.0	53.7
THROTTLE	30.5	32.9	35.2	37.3	39.1	40.7	42.9	46.8	55.5	76.0
MANIFCLD	7.7	6.8	5.9	5.3	4.7	4.3	3.9	3.5	2.9	2.0
SPEED POINT	3800.0									
LOAD POINT	-65.3	1.4	9.4	17.5	25.5	33.5	41.6	49.6	57.6	65.6
FUEL RATE	3.6	15.9	18.2	20.0	21.6	22.9	24.3	25.7	27.3	29.1
THROTTLE	14.1	14.1	16.5	17.8	18.7	19.9	21.4	23.3	25.5	27.7
MANIFOLD	17.5	17.5	16.6	15.7	14.8	14.0	13.1	12.2	11.2	10.3
LOAD POINT	73.7	81.7	89.7	97.8	105.8	113.8	121.9	129.9	137.9	146.0
FUEL RATE	31.2	33.6	36.4	39.6	43.1	47.0	51.2	55.6	60.2	64.5
THROTTLE	29.8	31.7	33.4	35.2	37.7	41.5	47.3	55.7	66.3	76.0
MANIFOLD	9.3	8.4	7.4	6.5	5.7	4.9	4.1	3.5	2.9	2.5
*ENGINE		C5CMR6		RPM		TQRQUE		G/HR(*.1)		
1975 CHEVR	250.0	ENGINE	CO MAP		CATALYTIC	CCNVERTER				
DATA	3.875	3.530	6.	550.	3800.	.0830	.7157			
SPEED POINT	550.0									
LOAD POINT	0.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLD	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4
LOAD POINT	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.6	54.7	54.8
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLD	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0
SPEED POINT	750.0									
LOAD POINT	-4.0	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.1
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLD	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8
LOAD POINT	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.8	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5
SPEED POINT	850.0									
LOAD POINT	-6.0	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
LOAD POINT	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
SPEED POINT	900.0									
LOAD POINT	-7.0	1.6	5.8	10.1	14.3	18.5	22.8	27.0	31.2	35.5
EMISSION RATE	0.1	0.7	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1
THROTTLE	1.1	1.1	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.1
MANIFOLD	17.8	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.7	14.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.9	65.1	69.3	73.6	77.8
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.6	5.9
MANIFOLD	13.9	13.6	13.3	13.0	12.8	12.5	12.3	12.0	11.6	11.0
SPEED POINT	1200.0									
LOAD POINT	-13.1	2.6	13.9	25.3	36.7	48.0	59.4	70.7	82.1	93.4
EMISSION RATE	0.1	1.5	0.4	0.2	0.2	0.3	0.5	0.8	1.1	1.1
THROTTLE	15.0	15.0	4.2	3.6	5.0	7.5	10.2	12.1	12.8	12.9
MANIFOLD	18.8	18.8	18.7	17.5	15.7	13.7	11.7	9.8	8.3	7.0
LOAD POINT	104.8	116.1	127.5	138.8	150.2	161.6	172.9	184.3	195.6	207.0
EMISSION RATE	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.5	7.3	560.0
THROTTLE	13.1	14.1	16.2	19.6	23.8	27.6	29.8	31.5	38.2	74.0
MANIFOLD	6.0	5.1	4.4	3.7	2.9	2.1	1.4	0.7	0.5	0.5
SPEED POINT	1500.0									
LOAD POINT	-19.1	2.6	14.3	26.0	37.7	49.4	61.1	72.8	84.5	96.3
EMISSION RATE	0.1	1.9	0.5	0.3	0.3	0.4	0.6	1.0	1.4	1.6
THROTTLE	3.4	3.4	5.1	6.7	8.3	10.1	12.2	14.7	17.6	20.7
MANIFOLD	19.8	19.8	18.7	16.9	14.7	12.4	10.2	8.3	6.7	5.5
LOAD POINT	108.0	119.7	131.4	143.1	154.8	166.5	178.2	189.9	201.6	213.3
EMISSION RATE	1.3	0.9	0.5	0.2	0.1	0.1	0.1	0.5	6.8	638.8
THROTTLE	23.5	25.8	27.3	27.9	28.1	28.5	30.1	34.7	46.2	75.4
MANIFOLD	4.5	3.8	3.4	3.1	2.8	2.5	2.1	1.6	1.1	0.5
SPEED POINT	2100.0									
LOAD POINT	-31.1	2.2	13.4	24.6	35.8	47.0	58.2	69.4	80.6	91.9
EMISSION RATE	0.1	0.7	0.8	0.8	0.9	1.0	1.1	1.3	1.5	1.5
THROTTLE	6.9	6.9	10.2	12.3	13.7	14.9	16.6	18.9	21.8	24.8
MANIFOLD	20.0	20.0	17.1	14.6	12.7	11.3	10.2	9.1	8.2	7.2
LOAD POINT	103.1	114.3	125.5	136.7	147.9	159.1	170.3	181.5	192.7	203.9
EMISSION RATE	1.4	1.0	0.6	0.4	0.2	0.2	0.2	0.6	7.9	908.5
THROTTLE	27.5	29.3	29.9	29.5	28.9	28.9	30.8	36.2	48.6	75.6
MANIFOLD	6.4	5.6	4.9	4.4	3.9	3.6	3.2	2.7	1.9	0.5
SPEED POINT	2700.0									
LOAD POINT	-43.2	2.4	12.2	22.0	31.8	41.6	51.4	61.2	71.0	80.8
EMISSION RATE	0.1	1.1	0.8	1.0	1.4	1.8	1.9	1.7	1.2	0.8
THROTTLE	10.5	10.5	12.2	13.5	14.6	16.0	17.7	19.8	22.4	25.1
MANIFOLD	17.8	17.8	16.8	15.7	14.6	13.4	12.2	11.0	9.9	8.7
LOAD POINT	90.6	100.4	110.2	120.0	129.8	139.6	149.4	159.3	169.1	178.9
EMISSION RATE	0.5	0.5	0.5	0.9	2.4	9.8	52.7	252.91	141.716	31.0
THROTTLE	27.8	30.2	32.1	33.3	34.2	35.4	37.7	42.6	53.1	76.0
MANIFOLD	7.7	6.6	5.7	4.9	4.1	3.5	2.9	2.4	1.9	1.5
SPEED POINT	3300.0									
LOAD POINT	-55.2	2.0	10.9	19.9	28.8	37.7	46.7	55.6	64.5	73.5
EMISSION RATE	0.1	2.6	0.9	0.8	1.0	1.5	1.9	1.9	1.7	1.4
THROTTLE	13.0	13.0	15.0	17.0	19.0	20.7	22.4	24.2	26.1	28.2
MANIFOLD	18.0	18.0	16.8	15.6	14.4	13.3	12.2	11.0	9.9	8.7
LOAD POINT	82.4	91.3	100.3	109.2	118.1	127.1	136.0	144.9	153.9	162.8
EMISSION RATE	1.2	1.2	1.7	3.5	11.1	49.9	258.91	955.91	380.01	069.8
THROTTLE	30.5	32.9	35.2	37.3	39.1	40.7	42.9	46.8	55.5	76.0
MANIFOLD	7.7	6.8	5.9	5.3	4.7	4.3	3.9	3.5	2.9	2.0
SPEED POINT	3800.0									
LOAD POINT	-65.3	1.4	9.4	17.5	25.5	33.5	41.6	49.6	57.6	65.6
EMISSION RATE	0.1	6.6	1.1	0.9	1.4	2.3	3.0	2.6	1.6	0.8
THROTTLE	14.1	14.1	16.5	17.8	18.7	19.9	21.4	23.3	25.5	27.7
MANIFOLD	17.5	17.5	16.6	15.7	14.8	14.0	13.1	12.2	11.2	10.3
LOAD POINT	73.7	81.7	89.7	97.8	105.8	113.8	121.9	129.9	137.9	146.0

EMISSION RATE	0.4	0.3	0.3	0.6	2.3	17.5	188.5	1709.82	117.02	117.0
THROTTLE	29.8	31.7	33.4	35.2	37.7	41.5	47.3	55.7	66.3	76.0
MANIFOLD	9.3	8.4	7.4	6.5	5.7	4.9	4.1	3.5	2.9	2.5
*ENGINE	H5CMR6		RPM		TORQUE		G/HR			
1975 CHEVR	250.0	ENGINE		HC	MAP	CATALYTIC		CONVERTER		
DATA	3.875	3.530	6.	550.	3800.	.0830	.7157			
SPEED POINT	550.0									
LOAD POINT	0.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9
EMISSION RATE	8.5	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4
LOAD POINT	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.6	54.7	54.8
EMISSION RATE	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0
SPEED POINT	750.0									
LOAD POINT	-4.0	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.1
EMISSION RATE	8.5	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8
LOAD POINT	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6
EMISSION RATE	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.8	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5
SPEED POINT	850.0									
LOAD POINT	-6.0	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
EMISSION RATE	8.5	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
LOAD POINT	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2
EMISSION RATE	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
SPEED POINT	900.0									
LOAD POINT	-7.0	1.6	5.8	10.1	14.3	18.5	22.8	27.0	31.2	35.5
EMISSION RATE	8.5	5.4	5.0	4.7	4.4	4.3	4.3	4.3	4.4	4.5
THROTTLE	1.1	1.1	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.1
MANIFOLD	17.8	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.7	14.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.9	65.1	69.3	73.6	77.8
EMISSION RATE	4.7	4.7	4.8	4.8	4.7	4.6	4.6	4.7	5.1	6.0
THROTTLE	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.6	5.9
MANIFOLD	13.9	13.6	13.3	13.0	12.8	12.5	12.3	12.0	11.6	11.0
SPEED POINT	1200.0									
LOAD POINT	-13.1	2.6	13.9	25.3	36.7	48.0	59.4	70.7	82.1	93.4
EMISSION RATE	8.5	3.0	2.4	2.3	2.4	2.6	2.8	2.8	2.5	2.1
THROTTLE	15.0	15.0	4.2	3.6	5.0	7.5	10.2	12.1	12.8	12.9
MANIFOLD	18.8	18.8	18.7	17.5	15.7	13.7	11.7	9.8	8.3	7.0
LOAD POINT	104.8	116.1	127.5	138.8	150.2	161.6	172.9	184.3	195.6	207.0
EMISSION RATE	1.7	1.3	1.0	0.9	0.9	1.1	1.7	4.2	16.3	111.9
THROTTLE	13.1	14.1	16.2	19.6	23.8	27.6	29.8	31.5	38.2	74.0
MANIFOLD	6.0	5.1	4.4	3.7	2.9	2.1	1.4	0.7	0.5	0.5
SPEED POINT	1500.0									
LOAD POINT	-19.1	2.6	14.3	26.0	37.7	49.4	61.1	72.8	84.5	96.3
EMISSION RATE	8.5	1.0	1.8	2.4	2.8	3.0	3.1	3.1	3.1	3.0
THROTTLE	3.4	3.4	5.1	6.7	8.3	10.1	12.2	14.7	17.6	20.7
MANIFOLD	19.8	19.8	18.7	16.9	14.7	12.4	10.2	8.3	6.7	5.5
LOAD POINT	108.0	119.7	131.4	143.1	154.8	166.5	178.2	189.9	201.6	213.3
EMISSION RATE	2.9	2.7	2.4	2.2	2.1	2.2	2.8	5.3	17.1	122.3
THROTTLE	23.5	25.8	27.3	27.9	28.1	28.5	30.1	34.7	46.2	75.4
MANIFOLD	4.5	3.8	3.4	3.1	2.8	2.5	2.1	1.6	1.1	0.5
SPEED POINT	2100.0									

LOAD PCINT	-31.1	2.2	13.4	24.6	35.8	47.0	58.2	69.4	80.6	91.9
EMISSION RATE	8.5	0.6	2.1	3.6	4.0	3.6	3.0	2.5	2.2	2.0
THROTTLE	6.9	6.9	10.2	12.3	13.7	14.9	16.6	18.9	21.8	24.8
MANIFOLD	20.0	20.0	17.1	14.6	12.7	11.3	10.2	9.1	8.2	7.2
LCAD PCINT	103.1	114.3	125.5	136.7	147.9	159.1	170.3	181.5	192.7	203.9
EMISSION RATE	1.9	1.8	1.7	1.6	1.5	1.6	2.1	3.9	14.4	145.6
THROTTLE	27.5	29.3	29.9	29.5	28.9	28.9	30.8	36.2	48.6	75.6
MANIFOLD	6.4	5.6	4.9	4.4	3.9	3.6	3.2	2.7	1.9	0.5
SPEED POINT	2700.0									
LOAD POINT	-43.2	2.4	12.2	22.0	31.8	41.6	51.4	61.2	71.0	80.8
EMISSION RATE	8.5	1.4	1.2	1.2	1.4	1.5	1.5	1.4	1.3	1.2
THROTTLE	10.5	10.5	12.2	13.5	14.6	16.0	17.7	19.8	22.4	25.1
MANIFOLD	17.8	17.8	16.8	15.7	14.6	13.4	12.2	11.0	9.9	8.7
LOAD POINT	90.6	100.4	110.2	120.0	129.8	139.6	149.4	159.3	169.1	178.9
EMISSION RATE	1.1	1.2	1.4	2.2	4.0	9.1	23.4	60.7	133.3	166.4
THROTTLE	27.8	30.2	32.1	33.3	34.2	35.4	37.7	42.6	53.1	76.0
MANIFOLD	7.7	6.6	5.7	4.9	4.1	3.5	2.9	2.4	1.9	1.5
SPEED POINT	3300.0									
LOAD POINT	-55.2	2.0	10.9	19.9	28.8	37.7	46.7	55.6	64.5	73.5
EMISSION RATE	8.5	0.8	0.7	0.8	0.9	1.0	0.9	0.8	0.7	0.6
THROTTLE	13.0	13.0	15.0	17.0	19.0	20.7	22.4	24.2	26.1	28.2
MANIFOLD	18.0	18.0	16.8	15.6	14.4	13.3	12.2	11.0	9.9	8.7
LOAD POINT	82.4	91.3	100.3	109.2	118.1	127.1	136.0	144.9	153.9	162.8
EMISSION RATE	0.5	0.5	0.7	1.2	2.8	7.8	25.3	78.2	181.8	213.0
THROTTLE	30.5	32.9	35.2	37.3	39.1	40.7	42.9	46.8	55.5	76.0
MANIFOLD	7.7	6.8	5.9	5.3	4.7	4.3	3.9	3.5	2.9	2.0
SPEED POINT	3800.0									
LOAD POINT	-65.3	1.4	9.4	17.5	25.5	33.5	41.6	49.6	57.6	65.6
EMISSION RATE	8.5	0.9	0.7	0.8	1.0	1.3	1.7	1.9	2.1	2.2
THROTTLE	14.1	14.1	16.5	17.8	18.7	19.9	21.4	23.3	25.5	27.7
MANIFOLD	17.5	17.5	16.6	15.7	14.8	14.0	13.1	12.2	11.2	10.3
LOAD POINT	73.7	81.7	89.7	97.8	105.8	113.8	121.9	129.9	137.9	146.0
EMISSION RATE	2.3	2.6	3.3	4.9	8.8	18.5	42.9	99.0	191.9	208.6
THROTTLE	29.8	31.7	33.4	35.2	37.7	41.5	47.3	55.7	66.3	76.0
MANIFOLD	9.3	8.4	7.4	6.5	5.7	4.9	4.1	3.5	2.9	2.5
*ENGINE		N5CMR6		RPM		TORQUE		G/HR		
1975 CHEVR	250.0	ENGINE		NOX MAP		CATALYTIC		CONVERTER		
DATA	3.875	3.530		6.	550.	3800.	.0830	.7157		
SPEED POINT	550.0									
LOAD POINT	0.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9
EMISSION RATE	5.7	5.7	6.2	6.6	7.1	7.5	8.0	8.4	8.9	9.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4
LOAD POINT	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.6	54.7	54.8
EMISSION RATE	9.8	10.3	10.7	11.2	11.6	12.1	12.5	13.0	13.4	13.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0
SPEED POINT	750.0									
LOAD POINT	-4.0	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.1
EMISSION RATE	5.7	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0	4.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8
LOAD POINT	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6
EMISSION RATE	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.8	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5
SPEED POINT	850.0									
LOAD POINT	-6.0	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
EMISSION RATE	5.7	1.7	1.8	2.0	2.1	2.2	2.3	2.5	2.6	2.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0

LOAD POINT	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2
EMISSION RATE	2.8	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.9	4.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
SPEED POINT	900.0									
LOAD POINT	-7.0	1.6	5.8	10.1	14.3	18.5	22.8	27.0	31.2	35.5
EMISSION RATE	5.7	4.1	3.6	3.6	4.0	4.7	5.8	7.1	8.6	10.3
THROTTLE	1.1	1.1	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.1
MANIFOLD	17.8	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.7	14.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.9	65.1	69.3	73.6	77.8
EMISSION RATE	12.3	14.4	16.6	19.1	21.8	24.7	27.9	31.5	35.4	39.8
THROTTLE	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.6	5.9
MANIFOLD	13.9	13.6	13.3	13.0	12.8	12.5	12.3	12.0	11.6	11.0
SPEED POINT	1200.0									
LOAD POINT	-13.1	2.6	13.9	25.3	36.7	48.0	59.4	70.7	82.1	93.4
EMISSION RATE	5.7	7.9	5.1	9.4	19.5	31.9	39.6	41.5	42.1	45.9
THROTTLE	15.0	15.0	4.2	3.6	5.0	7.5	10.2	12.1	12.8	12.9
MANIFOLD	18.8	18.8	18.7	17.5	15.7	13.7	11.7	9.8	8.3	7.0
LOAD POINT	104.8	116.1	127.5	138.8	150.2	161.6	172.9	184.3	195.6	207.0
EMISSION RATE	56.7	78.9	118.9	184.1	280.5	407.8	542.3	582.8	392.7	84.7
THROTTLE	13.1	14.1	16.2	19.6	23.8	27.6	29.8	31.5	38.2	74.0
MANIFOLD	6.0	5.1	4.4	3.7	2.9	2.1	1.4	0.7	0.5	0.5
SPEED POINT	1500.0									
LOAD POINT	-19.1	2.6	14.3	26.0	37.7	49.4	61.1	72.8	84.5	96.3
EMISSION RATE	5.7	10.7	9.1	16.7	29.1	38.2	40.9	42.1	48.6	67.3
THROTTLE	3.4	3.4	5.1	6.7	8.3	10.1	12.2	14.7	17.6	20.7
MANIFOLD	19.8	19.8	18.7	16.9	14.7	12.4	10.2	8.3	6.7	5.5
LOAD POINT	108.0	119.7	131.4	143.1	154.8	166.5	178.2	189.9	201.6	213.3
EMISSION RATE	109.1	190.2	319.2	473.3	600.9	651.1	651.1	651.1	438.2	92.9
THROTTLE	23.5	25.8	27.3	27.9	28.1	28.5	30.1	34.7	46.2	75.4
MANIFOLD	4.5	3.8	3.4	3.1	2.8	2.5	2.1	1.6	1.1	0.5
SPEED POINT	2100.0									
LOAD POINT	-31.1	2.2	13.4	24.6	35.8	47.0	58.2	69.4	80.6	91.9
EMISSION RATE	5.7	16.4	21.2	28.7	36.8	45.1	55.5	71.6	97.3	136.9
THROTTLE	6.9	6.9	10.2	12.3	13.7	14.9	16.6	18.9	21.8	24.8
MANIFOLD	20.0	20.0	17.1	14.6	12.7	11.3	10.2	9.1	8.2	7.2
LOAD POINT	103.1	114.3	125.5	136.7	147.9	159.1	170.3	181.5	192.7	203.9
EMISSION RATE	191.5	256.9	324.6	391.1	468.0	580.7	742.8	839.4	581.7	102.2
THROTTLE	27.5	29.3	29.9	29.5	28.9	28.9	30.8	36.2	48.6	75.6
MANIFOLD	6.4	5.6	4.9	4.4	3.9	3.0	3.2	2.7	1.9	0.5
SPEED POINT	2700.0									
LOAD POINT	-43.2	2.4	12.2	22.0	31.8	41.6	51.4	61.2	71.0	80.8
EMISSION RATE	5.7	17.3	25.3	39.4	56.5	75.5	100.2	139.0	203.8	305.4
THROTTLE	10.5	10.5	12.2	13.5	14.6	16.0	17.7	19.8	22.4	25.1
MANIFOLD	17.8	17.8	16.8	15.7	14.6	13.4	12.2	11.0	9.9	8.7
LOAD POINT	90.6	100.4	110.2	120.0	129.8	139.6	149.4	159.3	169.1	178.9
EMISSION RATE	441.0	578.2	634.7	634.7	634.7	625.1	634.7	627.0	405.6	71.8
THROTTLE	27.8	30.2	32.1	33.3	34.2	35.4	37.7	42.6	53.1	76.0
MANIFOLD	7.7	6.6	5.7	4.9	4.1	3.5	2.9	2.4	1.9	1.5
SPEED POINT	3300.0									
LOAD POINT	-55.2	2.0	10.9	19.9	28.8	37.7	46.7	55.6	64.5	73.5
EMISSION RATE	5.7	32.3	47.4	80.2	127.5	184.0	248.2	325.4	420.9	530.3
THROTTLE	13.0	13.0	15.0	17.0	19.0	20.7	22.4	24.2	26.1	28.2
MANIFOLD	18.0	18.0	16.8	15.6	14.4	13.3	12.2	11.0	9.9	8.7
LOAD POINT	82.4	91.3	100.3	109.2	118.1	127.1	136.0	144.9	153.9	162.8
EMISSION RATE	630.8	655.8	655.8	624.7	568.2	550.6	591.2	648.3	521.1	143.3
THROTTLE	30.5	32.9	35.2	37.3	39.1	40.7	42.9	46.8	55.5	76.0
MANIFOLD	7.7	6.8	5.9	5.3	4.7	4.3	3.9	3.5	2.9	2.0
SPEED POINT	3800.0									
LOAD POINT	-65.3	1.4	9.4	17.5	25.5	33.5	41.6	49.6	57.6	65.6
EMISSION RATE	5.7	47.4	83.3	125.3	182.9	259.5	345.2	422.1	481.3	534.5

THROTTLE	14.1	14.1	16.5	17.8	18.7	19.9	21.4	23.3	25.5	27.7
MANIFOLD	17.5	17.5	16.6	15.7	14.8	14.0	13.1	12.2	11.2	10.3
LOAD POINT	73.7	81.7	89.7	97.8	105.8	113.8	121.9	129.9	137.9	146.0
EMISSION RATE	608.2	732.2	921.4	1130.8	1134.0	960.4	535.5	228.9	117.1	201.5
THROTTLE	29.8	31.7	33.4	35.2	37.7	41.5	47.3	55.7	66.3	76.0
MANIFOLD	9.3	8.4	7.4	6.5	5.7	4.9	4.1	3.5	2.9	2.5
*ENGINE		X5CMR6		RPM		TORQUE		G/HR(*.1)		
1975 CHEVR	250.0	ENGINE	RAW CO	MAP		CATALYTIC		CONVERTER		
DATA	3.875	3.530	6.	550.	3800.	.0830		.7157		
SPEED POINT	550.0									
LOAD POINT	0.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9
EMISSION RATE	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4
LOAD POINT	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.6	54.7	54.8
EMISSION RATE	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0
SPEED POINT	750.0									
LOAD POINT	-4.0	3.8	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.1
EMISSION RATE	1.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8
LOAD POINT	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6
EMISSION RATE	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.8	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5
SPEED POINT	850.0									
LOAD POINT	-6.0	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
EMISSION RATE	1.8	9.7	9.4	9.1	8.8	8.5	8.1	7.8	7.5	7.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
LOAD POINT	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2
EMISSION RATE	6.9	6.6	6.2	5.9	5.6	5.3	5.0	4.7	4.3	4.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
SPEED POINT	900.0									
LOAD POINT	-7.0	1.6	5.8	10.1	14.3	18.5	22.8	27.0	31.2	35.5
EMISSION RATE	1.8	4.6	4.5	4.3	3.9	3.6	3.3	3.1	3.0	3.0
THROTTLE	1.1	1.1	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.1
MANIFOLD	17.8	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.7	14.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.9	65.1	69.3	73.6	77.8
EMISSION RATE	3.0	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.9	3.3
THROTTLE	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.6	5.9
MANIFOLD	13.9	13.6	13.3	13.0	12.8	12.5	12.3	12.0	11.6	11.0
SPEED POINT	1200.0									
LOAD POINT	-13.1	2.6	13.9	25.3	36.7	48.0	59.4	70.7	82.1	93.4
EMISSION RATE	1.8	6.3	4.8	4.6	5.0	5.7	6.5	7.0	6.8	6.0
THROTTLE	15.0	15.0	4.2	3.6	5.0	7.5	10.2	12.1	12.8	12.9
MANIFOLD	18.8	18.8	18.7	17.5	15.7	13.7	11.7	9.8	8.3	7.0
LOAD POINT	104.8	116.1	127.5	138.8	150.2	161.6	172.9	184.3	195.6	207.0
EMISSION RATE	4.8	3.6	2.6	1.9	1.7	1.9	3.0	8.6	51.9	708.9
THROTTLE	13.1	14.1	16.2	19.6	23.8	27.6	29.8	31.5	38.2	74.0
MANIFOLD	6.0	5.1	4.4	3.7	2.9	2.1	1.4	0.7	0.5	0.5
SPEED POINT	1500.0									
LOAD POINT	-19.1	2.6	14.3	26.0	37.7	49.4	61.1	72.8	84.5	96.3
EMISSION RATE	1.8	5.9	6.0	6.4	7.0	7.9	8.9	10.0	11.0	11.6
THROTTLE	3.4	3.4	5.1	6.7	8.3	10.1	12.2	14.7	17.6	20.7
MANIFOLD	19.8	19.8	18.7	16.9	14.7	12.4	10.2	8.3	6.7	5.5
LOAD POINT	108.0	119.7	131.4	143.1	154.8	166.5	178.2	189.9	201.6	213.3
EMISSION RATE	11.5	11.0	10.1	9.3	9.1	10.1	14.3	29.7	106.5	819.5

THROTTLE	23.5	25.8	27.3	27.9	28.1	28.5	30.1	34.7	46.2	75.4
MANIFOLD	4.5	3.8	3.4	3.1	2.8	2.5	2.1	1.6	1.1	0.5
SPEED POINT	2100.0									
LOAD PCINT	-31.1	2.2	13.4	24.6	35.8	47.0	58.2	69.4	80.6	91.9
EMISSION RATE	1.8	8.5	11.7	14.4	16.4	17.5	17.9	17.7	17.1	16.3
THROTTLE	6.9	6.9	10.2	12.3	13.7	14.9	16.6	18.9	21.8	24.8
MANIFOLD	20.0	20.0	17.1	14.6	12.7	11.3	10.2	9.1	8.2	7.2
LOAD PCINT	103.1	114.3	125.5	136.7	147.9	159.1	170.3	181.5	192.7	203.9
EMISSION RATE	15.4	14.6	14.1	14.4	16.0	20.4	32.1	67.8	213.6	1087.0
THROTTLE	27.5	29.3	29.9	29.5	28.9	28.9	30.8	36.2	48.6	75.6
MANIFOLD	6.4	5.6	4.9	4.4	3.9	3.6	3.2	2.7	1.9	0.5
SPEED POINT	2700.0									
LOAD POINT	-43.2	2.4	12.2	22.0	31.8	41.6	51.4	61.2	71.0	80.8
EMISSION RATE	1.8	21.0	19.3	20.6	23.0	25.4	26.8	26.8	25.9	24.8
THROTTLE	10.5	10.5	12.2	13.5	14.6	16.0	17.7	19.8	22.4	25.1
MANIFOLD	17.8	17.8	16.8	15.7	14.6	13.4	12.2	11.0	9.9	8.7
LOAD PCINT	90.6	100.4	110.2	120.0	129.8	139.6	149.4	159.3	169.1	178.9
EMISSION RATE	24.7	26.4	31.5	43.3	69.1	127.0	258.0	539.8	1038.5	1566.7
THROTTLE	27.8	30.2	32.1	33.3	34.2	35.4	37.7	42.6	53.1	76.0
MANIFOLD	7.7	6.6	5.7	4.9	4.1	3.5	2.9	2.4	1.9	1.5
SPEED POINT	3300.0									
LOAD POINT	-55.2	2.0	10.9	19.9	28.8	37.7	46.7	55.6	64.5	73.5
EMISSION RATE	1.8	16.7	20.2	24.2	26.8	27.1	25.3	22.5	19.9	18.4
THROTTLE	13.0	13.0	15.0	17.0	19.0	20.7	22.4	24.2	26.1	28.2
MANIFOLD	18.0	18.0	16.8	15.6	14.4	13.3	12.2	11.0	9.9	8.7
LOAD POINT	82.4	91.3	100.3	109.2	118.1	127.1	136.0	144.9	153.9	162.8
EMISSION RATE	18.5	21.3	28.7	46.2	87.1	184.7	407.4	826.8	1303.5	1275.4
THROTTLE	30.5	32.9	35.2	37.3	39.1	40.7	42.9	46.8	55.5	76.0
MANIFOLD	7.7	6.8	5.9	5.3	4.7	4.3	3.9	3.5	2.9	2.0
SPEED POINT	3800.0									
LOAD POINT	-65.3	1.4	9.4	17.5	25.5	33.5	41.6	49.6	57.6	65.6
EMISSION RATE	1.8	17.9	15.1	15.6	17.4	19.1	19.9	19.7	19.1	18.9
THROTTLE	14.1	14.1	16.5	17.8	18.7	19.9	21.4	23.3	25.5	27.7
MANIFOLD	17.5	17.5	16.6	15.7	14.8	14.0	13.1	12.2	11.2	10.3
LOAD POINT	73.7	81.7	89.7	97.8	105.8	113.8	121.9	129.9	137.9	146.0
EMISSION RATE	20.1	24.3	34.8	60.2	125.3	299.1	745.5	1666.7	287.0	287.0
THROTTLE	29.8	31.7	33.4	35.2	37.7	41.5	47.3	55.7	66.3	76.0
MANIFOLD	9.3	8.4	7.4	6.5	5.7	4.9	4.1	3.5	2.9	2.5
*ENGINE	Y5CMR6			RPM		TORQUE		G/HR		
1975 CHEVR	250.0	ENGINE	RAW HC	MAP	CATALYTIC	CONVERTER				
DATA	3.875	3.530	6.	550.	3800.	.0830	.7157			
SPEED POINT	550.0									
LOAD PCINT	0.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9
EMISSION RATE	38.6	38.6	38.3	38.0	37.6	37.3	37.0	36.7	36.3	36.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4
LOAD POINT	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.6	54.7	54.8
EMISSION RATE	35.7	35.4	35.0	34.7	34.4	34.0	33.7	33.4	33.1	32.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0
SPEED POINT	750.0									
LOAD PCINT	-4.0	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.1
EMISSION RATE	38.6	56.6	58.3	60.1	61.9	63.7	65.5	67.3	69.1	70.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8
LOAD POINT	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6
EMISSION RATE	72.6	74.4	76.2	78.0	79.8	81.6	83.4	85.1	86.9	88.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.8	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5
SPEED POINT	850.0									
LOAD POINT	-6.0	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0

EMISSION RATE	38.6	61.1	60.5	60.0	59.4	58.8	58.3	57.7	57.1	56.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
LOAD POINT	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2
EMISSION RATE	56.0	55.4	54.9	54.3	53.7	53.2	52.6	52.0	51.4	50.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
SPEED POINT	900.0									
LOAD POINT	-7.0	1.6	5.8	10.1	14.3	18.5	22.8	27.0	31.2	35.5
EMISSION RATE	38.6	69.3	39.9	30.7	28.5	29.2	31.4	34.1	36.3	37.6
THROTTLE	1.1	1.1	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.1
MANIFOLD	17.8	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.7	14.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.9	65.1	69.3	73.6	77.8
EMISSION RATE	37.7	36.9	35.6	34.4	33.7	33.8	34.7	36.4	38.4	39.3
THROTTLE	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.6	5.9
MANIFOLD	13.9	13.6	13.3	13.0	12.8	12.5	12.3	12.0	11.6	11.0
SPEED POINT	1200.0									
LOAD POINT	-13.1	2.6	13.9	25.3	36.7	48.0	59.4	70.7	82.1	93.4
EMISSION RATE	38.6	33.4	22.7	21.5	24.3	29.4	34.9	39.2	40.8	39.4
THROTTLE	15.0	15.0	4.2	3.6	5.0	7.5	10.2	12.1	12.8	12.9
MANIFOLD	18.8	18.8	18.7	17.5	15.7	13.7	11.7	9.8	8.3	7.0
LOAD POINT	104.8	116.1	127.5	138.8	150.2	161.6	172.9	184.3	195.6	207.0
EMISSION RATE	36.0	32.2	29.1	27.6	28.4	32.4	41.4	58.3	87.5	130.4
THROTTLE	13.1	14.1	16.2	19.6	23.8	27.0	29.8	31.5	38.2	74.0
MANIFOLD	6.0	5.1	4.4	3.7	2.9	2.1	1.4	0.7	0.5	0.5
SPEED POINT	1500.0									
LOAD POINT	-19.1	2.6	14.3	26.0	37.7	49.4	61.1	72.8	84.5	96.3
EMISSION RATE	38.6	14.9	19.5	25.4	31.2	35.6	36.0	38.0	36.3	33.6
THROTTLE	3.4	3.4	5.1	6.7	8.3	10.1	12.2	14.7	17.6	20.7
MANIFOLD	19.8	19.8	18.7	16.9	14.7	12.4	10.2	8.3	6.7	5.5
LOAD POINT	108.0	119.7	131.4	143.1	154.8	166.5	178.2	189.9	201.6	213.3
EMISSION RATE	30.8	28.6	27.4	27.8	30.2	35.5	45.4	63.0	93.4	144.5
THROTTLE	23.5	25.8	27.3	27.9	28.1	28.5	30.1	34.7	46.2	75.4
MANIFOLD	4.5	3.8	3.4	3.1	2.8	2.5	2.1	1.6	1.1	0.5
SPEED POINT	2100.0									
LOAD POINT	-31.1	2.2	13.4	24.6	35.8	47.0	58.2	69.4	80.6	91.9
EMISSION RATE	38.6	11.4	26.9	44.1	52.3	50.7	44.1	37.0	31.2	27.3
THROTTLE	6.9	6.9	10.2	12.3	13.7	14.9	16.6	18.9	21.8	24.8
MANIFOLD	20.0	20.0	17.1	14.6	12.7	11.3	10.2	9.1	8.2	7.2
LOAD POINT	103.1	114.3	125.5	136.7	147.9	159.1	170.3	181.5	192.7	203.9
EMISSION RATE	25.1	24.4	25.1	27.1	30.8	36.7	46.6	64.5	101.7	192.5
THROTTLE	27.5	29.3	29.9	29.5	28.9	28.9	30.8	36.2	48.6	75.6
MANIFOLD	6.4	5.6	4.9	4.4	3.9	3.6	3.2	2.7	1.9	0.5
SPEED POINT	2700.0									
LOAD POINT	-43.2	2.4	12.2	22.0	31.8	41.6	51.4	61.2	71.0	80.8
EMISSION RATE	38.6	39.5	38.1	38.3	38.2	36.8	33.9	30.3	26.7	23.8
THROTTLE	10.5	10.5	12.2	13.5	14.6	16.0	17.7	19.8	22.4	25.1
MANIFOLD	17.8	17.8	16.8	15.7	14.6	13.4	12.2	11.0	9.9	8.7
LOAD POINT	90.6	100.4	110.2	120.0	129.8	139.6	149.4	159.3	169.1	178.9
EMISSION RATE	22.1	22.0	24.1	29.4	40.0	59.8	95.0	150.6	217.8	254.4
THROTTLE	27.8	30.2	32.1	33.3	34.2	35.4	37.7	42.6	53.1	76.0
MANIFOLD	7.7	6.6	5.7	4.9	4.1	3.5	2.9	2.4	1.9	1.5
SPEED POINT	3300.0									
LOAD POINT	-55.2	2.0	10.9	19.9	28.8	37.7	46.7	55.6	64.5	73.5
EMISSION RATE	38.6	15.7	20.7	25.1	27.3	26.6	23.6	19.8	16.4	14.0
THROTTLE	13.0	13.0	15.0	17.0	19.0	20.7	22.4	24.2	26.1	28.2
MANIFOLD	18.0	18.0	16.8	15.6	14.4	13.3	12.2	11.0	9.9	8.7
LOAD POINT	82.4	91.3	100.3	109.2	118.1	127.1	136.0	144.9	153.9	162.8
EMISSION RATE	12.9	13.3	16.0	22.3	35.9	64.0	117.8	200.0	249.5	232.4
THROTTLE	30.5	32.9	35.2	37.3	39.1	40.7	42.9	46.8	55.5	76.0
MANIFOLD	7.7	6.8	5.9	5.3	4.7	4.3	3.9	3.5	2.9	2.0

SPEED POINT	3800.0									
LOAD POINT	-65.3	1.4	9.4	17.5	25.5	33.5	41.6	49.6	57.6	65.6
EMISSION RATE	38.6	8.5	6.5	6.7	7.8	9.5	11.3	12.8	13.8	14.7
THROTTLE	14.1	14.1	16.5	17.8	18.7	19.9	21.4	23.3	25.5	27.7
MANIFOLD	17.5	17.5	16.6	15.7	14.8	14.0	13.1	12.2	11.2	10.3
LOAD PCINT	73.7	81.7	89.7	97.8	105.8	113.8	121.9	129.9	137.9	146.0
EMISSION RATE	15.8	18.0	22.4	31.2	49.0	84.6	152.1	257.7	304.9	304.9
THROTTLE	29.8	31.7	33.4	35.2	37.7	41.5	47.3	55.7	66.3	76.0
MANIFOLD	9.3	8.4	7.4	6.5	5.7	4.9	4.1	3.5	2.9	2.5
*ENGINE		Z5CMR6		RPM		TORQUE		G/HR		
1975 CHEVR	250.0	ENGINE	RAW	NOX	MAP	CATALYTIC	CCNVERTER			
DATA	3.875	3.530	6.	550.	3800.	.0830	.7157			
SPEED POINT	550.0									
LOAD POINT	0.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9
EMISSION RATE	5.3	5.3	5.8	6.2	6.7	7.1	7.6	8.0	8.5	8.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4
LOAD POINT	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.6	54.7	54.8
EMISSION RATE	9.4	9.8	10.3	10.7	11.2	11.6	12.1	12.5	13.0	13.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0
SPEED POINT	750.0									
LOAD POINT	-4.0	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.1
EMISSION RATE	5.3	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8
LOAD POINT	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6
EMISSION RATE	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.8	16.7	16.7	16.7	16.6	16.6	16.6	16.6	16.5	16.5
SPEED POINT	850.0									
LOAD POINT	-6.0	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
EMISSION RATE	5.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
LOAD POINT	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2
EMISSION RATE	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
SPEED POINT	900.0									
LOAD PCINT	-7.0	1.6	5.8	10.1	14.3	18.5	22.8	27.0	31.2	35.5
EMISSION RATE	5.3	3.7	2.8	3.0	4.1	5.7	7.6	9.6	11.7	13.6
THROTTLE	1.1	1.1	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.1
MANIFOLD	17.8	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.7	14.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.9	65.1	69.3	73.6	77.8
EMISSION RATE	15.3	17.0	18.5	20.1	21.8	24.0	26.8	30.6	35.7	42.6
THROTTLE	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.3	5.6	5.9
MANIFOLD	13.9	13.6	13.3	13.0	12.8	12.5	12.3	12.0	11.6	11.0
SPEED POINT	1200.0									
LOAD PCINT	-13.1	2.6	13.9	25.3	36.7	48.0	59.4	70.7	82.1	93.4
EMISSION RATE	5.3	6.5	5.2	11.1	23.3	35.6	40.5	40.0	40.3	45.5
THROTTLE	15.0	15.0	4.2	3.6	5.0	7.5	10.2	12.1	12.8	12.9
MANIFOLD	18.8	18.8	18.7	17.5	15.7	13.7	11.7	9.8	8.3	7.0
LOAD POINT	104.8	116.1	127.5	138.8	150.2	161.6	172.9	184.3	195.6	207.0
EMISSION RATE	58.8	83.5	122.4	176.2	246.6	343.5	480.8	603.3	444.6	70.3
THROTTLE	13.1	14.1	16.2	19.6	23.8	27.6	29.8	31.5	38.2	74.0
MANIFOLD	6.0	5.1	4.4	3.7	2.9	2.1	1.4	0.7	0.5	0.5
SPEED POINT	1500.0									
LOAD PCINT	-19.1	2.6	14.3	26.0	37.7	49.4	61.1	72.8	84.5	96.3
EMISSION RATE	5.3	10.0	8.7	15.2	25.8	34.5	38.7	42.2	50.8	71.6
THROTTLE	3.4	3.4	5.1	6.7	8.3	10.1	12.2	14.7	17.6	20.7



MANIFOLD	19.8	19.8	18.7	16.9	14.7	12.4	10.2	8.3	6.7	5.5
LOAD POINT	108.0	119.7	131.4	143.1	154.8	166.5	178.2	189.9	201.6	213.3
EMISSION RATE	115.6	197.2	322.9	470.0	592.1	646.4	646.4	646.4	444.5	106.1
THROTTLE	23.5	25.8	27.3	27.9	28.1	28.5	30.1	34.7	46.2	75.4
MANIFOLD	4.5	3.8	3.4	3.1	2.8	2.5	2.1	1.6	1.1	0.5
SPEED POINT 2100.0										
LOAD POINT	-31.1	2.2	13.4	24.6	35.8	47.0	58.2	69.4	80.6	91.9
EMISSION RATE	5.3	14.2	19.2	24.0	31.4	44.0	64.6	95.2	135.3	180.2
THROTTLE	6.9	6.9	10.2	12.3	13.7	14.9	16.6	18.9	21.8	24.8
MANIFOLD	20.0	20.0	17.1	14.6	12.7	11.3	10.2	9.1	8.2	7.2
LOAD POINT	103.1	114.3	125.5	136.7	147.9	159.1	170.3	181.5	192.7	203.9
EMISSION RATE	223.7	263.8	306.2	364.9	460.1	611.5	801.3	868.1	602.5	160.2
THROTTLE	27.5	29.3	29.9	29.5	28.9	28.9	30.8	36.2	48.6	75.6
MANIFOLD	6.4	5.6	4.9	4.4	3.9	3.6	3.2	2.7	1.9	0.5
SPEED POINT 2700.0										
LOAD POINT	-43.2	2.4	12.2	22.0	31.8	41.6	51.4	61.2	71.0	80.8
EMISSION RATE	5.3	14.6	22.4	33.9	48.6	67.4	94.2	136.0	202.6	302.4
THROTTLE	10.5	10.5	12.2	13.5	14.6	16.0	17.7	19.8	22.4	25.1
MANIFOLD	17.8	17.8	16.8	15.7	14.6	13.4	12.2	11.0	9.9	8.7
LOAD POINT	90.6	100.4	110.2	120.0	129.8	139.6	149.4	159.3	169.1	178.9
EMISSION RATE	434.1	576.3	692.1	756.0	775.8	781.3	786.2	742.9	515.7	153.0
THROTTLE	27.8	30.2	32.1	33.3	34.2	35.4	37.7	42.6	53.1	76.0
MANIFOLD	7.7	6.6	5.7	4.9	4.1	3.5	2.9	2.4	1.9	1.5
SPEED POINT 3300.0										
LOAD POINT	-55.2	2.0	10.9	19.9	28.8	37.7	46.7	55.6	64.5	73.5
EMISSION RATE	5.3	28.8	44.8	63.0	92.5	143.1	221.8	324.2	429.5	511.3
THROTTLE	13.0	13.0	15.0	17.0	19.0	20.7	22.4	24.2	26.1	28.2
MANIFOLD	18.0	18.0	16.8	15.6	14.4	13.3	12.2	11.0	9.9	8.7
LOAD POINT	82.4	91.3	100.3	109.2	118.1	127.1	136.0	144.9	153.9	162.8
EMISSION RATE	559.5	587.9	622.0	685.1	787.9	910.0	912.2	857.0	554.3	244.7
THROTTLE	30.5	32.9	35.2	37.3	39.1	40.7	42.9	46.8	55.5	76.0
MANIFOLD	7.7	6.8	5.9	5.3	4.7	4.3	3.9	3.5	2.9	2.0
SPEED POINT 3800.0										
LOAD POINT	-65.3	1.4	9.4	17.5	25.5	33.5	41.6	49.6	57.6	65.6
EMISSION RATE	5.3	47.5	82.8	124.7	181.1	256.2	344.7	433.7	513.1	586.0
THROTTLE	14.1	14.1	16.5	17.8	18.7	19.9	21.4	23.3	25.5	27.7
MANIFOLD	17.5	17.5	16.6	15.7	14.8	14.0	13.1	12.2	11.2	10.3
LOAD POINT	73.7	81.7	89.7	97.8	105.8	113.8	121.9	129.9	137.9	146.0
EMISSION RATE	668.8	781.9	934.4	1097.1	129.0	1046.2	732.0	421.7	261.0	329.7
THROTTLE	29.8	31.7	33.4	35.2	37.7	41.5	47.3	55.7	66.3	76.0
MANIFOLD	9.3	8.4	7.4	6.5	5.7	4.9	4.1	3.5	2.9	2.5

A.6 1975 CHEVROLET 350 CID (5.74 LITER), 2 BBL

*ENGINE	F50.0	F50MY6	RPM	TORQUE		LB/HR					
1975 CHEVR	ENGINE	ENGINE	FUEL	MAP	CATALYTIC	CCNVERTER					
DATA 2 BBL	4.000	3.480	8.	650.	3600.	.1010	.7157				
SPEED POINT	800.0										
LOAD POINT	0.0	1.4	7.1	12.7	18.3	24.0	29.6	35.2	40.9	46.5	
FUEL RATE	4.5	4.5	5.0	5.4	5.7	5.9	5.9	6.0	6.0	6.0	
THROTTLE	0.3	0.3	0.6	0.8	1.0	1.2	1.3	1.5	1.6	1.8	
MANIFOLD	19.9	19.9	19.4	19.0	18.7	18.4	18.2	17.9	17.6	17.3	
LOAD POINT	52.2	57.8	63.4	69.1	74.7	80.3	86.0	91.6	97.2	102.9	
FUEL RATE	6.1	6.2	6.4	6.8	7.3	8.0	8.9	10.1	11.5	13.3	
THROTTLE	2.0	2.3	2.6	3.0	3.5	4.2	4.9	5.8	6.8	8.0	
MANIFOLD	17.0	16.5	16.0	15.3	14.5	13.5	12.4	11.0	9.4	7.5	
SPEED POINT	1000.0										
LOAD POINT	-5.4	1.0	13.2	25.4	37.6	49.7	61.9	74.1	86.3	98.4	
FUEL RATE	4.5	4.4	5.0	5.7	6.5	7.4	8.2	9.2	10.1	11.1	
THROTTLE	1.2	1.2	1.6	2.2	2.9	3.8	4.8	5.8	6.7	7.4	
MANIFOLD	20.4	20.4	19.8	18.4	16.7	14.9	13.2	11.8	10.7	9.8	
LOAD POINT	110.6	122.8	135.0	147.1	159.3	171.5	183.7	195.9	208.0	220.2	
FUEL RATE	12.1	13.1	14.1	15.2	16.4	17.5	18.8	20.1	21.5	23.0	
THROTTLE	8.0	8.5	9.1	10.0	11.4	14.1	18.8	27.7	44.3	75.0	
MANIFOLD	9.1	8.5	7.8	7.1	6.1	4.9	3.6	2.2	1.1	0.5	
SPEED POINT	1300.0										
LOAD POINT	-13.5	1.2	14.1	27.0	39.9	52.8	65.7	78.6	91.5	104.4	
FUEL RATE	4.5	6.5	7.4	8.2	9.0	9.8	10.7	11.5	12.5	13.5	
THROTTLE	2.3	2.3	3.8	5.3	6.3	6.9	7.4	7.9	8.5	9.5	
MANIFOLD	21.5	21.5	18.6	16.8	15.5	14.6	13.6	12.6	11.4	10.2	
LOAD POINT	117.3	130.2	143.1	156.0	168.9	181.8	194.7	207.6	220.5	233.4	
FUEL RATE	14.5	15.7	17.0	18.5	20.1	21.9	23.8	25.9	28.2	30.8	
THROTTLE	10.9	12.5	14.3	15.9	17.0	17.7	18.7	21.8	32.5	75.0	
MANIFOLD	9.0	7.9	6.9	6.2	5.7	5.4	5.1	4.4	3.0	0.3	
SPEED POINT	1500.0										
LOAD POINT	-18.9	2.1	15.8	29.5	43.2	57.0	70.7	84.4	98.2	111.9	
FUEL RATE	4.5	8.0	9.0	9.9	11.0	12.1	13.3	14.5	15.8	17.3	
THROTTLE	3.1	3.1	3.8	4.9	6.1	7.4	8.7	9.8	11.1	12.5	
MANIFOLD	20.5	20.5	18.1	16.7	15.8	15.0	14.0	12.8	11.4	10.0	
LOAD POINT	125.6	139.4	153.1	166.8	180.5	194.3	208.0	221.7	235.5	249.2	
FUEL RATE	18.8	20.4	22.2	24.0	26.0	28.1	30.2	32.5	34.9	37.3	
THROTTLE	14.3	16.3	18.5	20.4	21.8	22.5	23.2	26.0	36.2	75.0	
MANIFOLD	8.5	7.3	6.4	5.8	5.6	5.7	5.7	5.3	3.8	0.5	
SPEED POINT	1900.0										
LOAD POINT	-29.7	2.7	17.1	31.6	46.0	60.5	74.9	89.4	103.8	118.3	
FUEL RATE	4.5	10.4	11.5	12.8	14.1	15.6	17.2	18.9	20.8	22.8	
THROTTLE	5.2	5.2	6.3	7.4	8.4	9.4	10.3	11.3	12.5	13.9	
MANIFOLD	20.0	20.0	18.3	17.2	16.4	15.6	14.7	13.6	12.3	10.9	
LOAD POINT	132.7	147.2	161.6	176.1	190.5	205.0	219.4	233.9	248.3	262.8	
FUEL RATE	24.9	27.1	29.5	31.9	34.5	37.1	39.7	42.4	45.1	47.8	
THROTTLE	15.6	17.4	19.4	21.4	23.3	25.4	28.3	33.4	44.8	75.0	
MANIFOLD	9.5	8.2	7.1	6.3	5.7	5.3	5.0	4.3	3.0	0.4	
SPEED POINT	2200.0										
LOAD POINT	-37.8	0.2	14.7	29.2	43.7	58.2	72.7	87.2	101.7	116.2	
FUEL RATE	4.5	10.9	13.1	15.0	16.6	18.2	19.8	21.5	23.5	25.7	
THROTTLE	7.3	7.3	10.1	11.0	11.1	11.2	11.6	12.7	14.4	16.5	
MANIFOLD	20.0	20.0	19.3	18.4	17.3	16.2	15.0	13.7	12.5	11.3	
LOAD POINT	130.7	145.2	159.7	174.2	188.7	203.2	217.7	232.2	246.7	261.2	
FUEL RATE	28.2	30.9	33.9	37.1	40.4	43.8	47.0	50.1	52.7	54.4	
THROTTLE	18.7	20.8	22.5	23.7	24.7	26.3	29.3	35.6	48.5	74.8	
MANIFOLD	10.1	8.9	7.8	6.7	5.5	4.4	3.4	2.3	1.3	0.5	
SPEED POINT	2800.0										
LOAD POINT	-54.0	1.0	14.6	28.2	41.8	55.4	69.0	82.7	96.3	109.9	
FUEL RATE	4.5	19.0	20.3	21.6	23.0	24.5	26.2	28.1	30.4	32.9	
THROTTLE	8.0	8.0	9.1	11.4	14.0	16.0	17.2	17.8	18.3	19.3	

MANIFOLD	20.0	20.0	18.6	17.6	16.6	15.8	14.8	13.8	12.6	11.3
LOAD PCINT	123.5	137.1	150.7	164.3	177.9	191.5	205.1	218.7	232.3	245.9
FUEL RATE	35.7	38.7	42.0	45.5	49.2	52.8	56.5	59.9	63.1	65.8
THRCTTLE	21.1	23.8	27.3	30.9	33.3	33.9	32.9	32.9	39.5	75.0
MANIFOLD	10.0	8.7	7.4	6.2	5.2	4.3	3.5	2.7	1.8	0.5
SPEED POINT	3300.0									
LOAD POINT	-67.5	0.2	12.7	25.2	37.8	50.3	62.8	75.3	87.8	100.3
FUEL RATE	4.5	16.8	20.5	23.8	26.7	29.4	31.9	34.5	37.2	40.0
THROTTLE	11.0	11.0	12.6	14.0	15.3	16.6	18.0	19.5	21.3	23.4
MANIFOLD	20.0	20.0	18.1	17.1	16.4	15.9	15.1	14.1	12.9	11.5
LOAD PCINT	112.9	125.4	137.9	150.4	162.9	175.4	188.0	200.5	213.0	225.5
FUEL RATE	43.1	46.4	49.9	53.7	57.7	61.7	65.8	69.9	73.7	76.0
THRCTTLE	25.6	27.7	29.6	31.0	32.0	32.8	34.2	37.9	47.8	75.0
MANIFOLD	9.9	8.4	7.1	6.1	5.3	4.9	4.6	4.3	3.6	2.0
SPEED POINT	3800.0									
LOAD POINT	-80.9	5.1	16.1	27.2	38.2	49.3	60.3	71.4	82.4	93.5
FUEL RATE	4.5	22.3	24.1	26.2	28.5	31.2	34.1	37.4	41.0	44.8
THROTTLE	13.5	13.5	14.3	15.6	17.1	18.5	19.8	21.2	22.6	24.3
MANIFOLD	19.5	19.5	18.2	17.4	16.8	16.2	15.4	14.3	13.0	11.5
LOAD PCINT	104.5	115.0	126.6	137.7	148.7	159.8	170.8	181.9	192.9	204.0
FUEL RATE	48.8	53.0	57.3	61.7	65.9	70.0	73.8	77.2	80.1	82.2
THROTTLE	26.1	28.2	30.2	32.0	33.4	34.7	36.3	40.0	49.5	75.0
MANIFOLD	10.0	8.6	7.4	6.4	5.7	5.3	5.0	4.7	4.0	2.5
*ENGINE		C5CMY6		RPM		TORQUE		G/HR(*.1)		
1975 CHEVR	350.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	800.0									
LOAD POINT	0.0	1.4	7.1	12.7	18.3	24.0	29.6	35.2	40.9	46.5
EMISSION RATE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
THROTTLE	0.3	0.3	0.6	0.8	1.0	1.2	1.3	1.5	1.6	1.8
MANIFOLD	19.9	19.9	19.4	19.0	18.7	18.4	18.2	17.9	17.6	17.3
LOAD POINT	52.2	57.8	63.4	69.1	74.7	80.3	86.0	91.6	97.2	102.9
EMISSION RATE	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4
THROTTLE	2.0	2.3	2.6	3.0	3.5	4.2	4.9	5.8	6.8	8.0
MANIFOLD	17.0	16.5	16.0	15.3	14.5	13.5	12.4	11.0	9.4	7.5
SPEED POINT	1000.0									
LOAD POINT	-5.4	1.0	13.2	25.4	37.6	49.7	61.9	74.1	86.3	98.4
EMISSION RATE	0.2	0.5	6.2	12.7	8.5	3.2	1.0	0.4	0.2	0.2
THROTTLE	1.2	1.2	1.6	2.2	2.9	3.8	4.8	5.8	6.7	7.4
MANIFOLD	20.4	20.4	19.8	18.4	16.7	14.9	13.2	11.8	10.7	9.8
LOAD POINT	110.6	122.8	135.0	147.1	159.3	171.5	183.7	195.9	208.0	220.2
EMISSION RATE	0.2	0.6	2.0	9.4	47.5	215.7	428.8	428.8	428.8	286.5
THROTTLE	8.0	8.5	9.1	10.0	11.4	14.1	18.8	27.7	44.3	75.0
MANIFOLD	9.1	8.5	7.8	7.1	6.1	4.9	3.6	2.2	1.1	0.5
SPEED POINT	1300.0									
LOAD POINT	-13.5	1.2	14.1	27.0	39.9	52.8	65.7	78.6	91.5	104.4
EMISSION RATE	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.4
THROTTLE	2.3	2.3	3.8	5.3	6.3	6.9	7.4	7.9	8.5	9.5
MANIFOLD	21.5	21.5	18.6	16.8	15.5	14.6	13.6	12.6	11.4	10.2
LOAD POINT	117.3	130.2	143.1	156.0	168.9	181.8	194.7	207.6	220.5	233.4
EMISSION RATE	0.7	1.7	5.3	19.9	84.9	354.4	689.5	689.5	689.5	430.0
THROTTLE	10.9	12.5	14.3	15.9	17.0	17.7	18.7	21.8	32.5	75.0
MANIFOLD	9.0	7.9	6.9	6.2	5.7	5.4	5.1	4.4	3.0	0.3
SPEED POINT	1500.0									
LOAD PCINT	-18.9	2.1	15.8	29.5	43.2	57.0	70.7	84.4	98.2	111.9
EMISSION RATE	0.2	1.3	1.4	1.3	1.0	0.7	0.4	0.3	0.3	0.3
THROTTLE	3.1	3.1	3.8	4.9	6.1	7.4	8.7	9.8	11.1	12.5
MANIFOLD	20.5	20.5	18.1	16.7	15.8	15.0	14.0	12.8	11.4	10.0
LOAD PCINT	125.6	139.4	153.1	166.8	180.5	194.3	208.0	221.7	235.5	249.2
EMISSION RATE	0.5	1.1	3.5	15.1	79.1	418.1	831.7	831.7	831.7	483.4
THROTTLE	14.3	16.3	18.5	20.4	21.8	22.5	23.2	26.0	36.2	75.0

MANIFOLD	8.5	7.3	6.4	5.8	5.6	5.7	5.7	5.3	3.8	0.5
SPEED PCINT	1900.0									
LOAD POINT	-29.7	2.7	17.1	31.6	46.0	60.5	74.9	89.4	103.8	118.3
EMISSION RATE	0.2	0.2	0.5	0.7	0.7	0.6	0.4	0.3	0.3	0.3
THROTTLE	5.2	5.2	6.3	7.4	8.4	9.4	10.3	11.3	12.5	13.9
MANIFOLD	20.0	20.0	18.3	17.2	16.4	15.6	14.7	13.6	12.3	10.9
LOAD POINT	132.7	147.2	161.6	176.1	190.5	205.0	219.4	233.9	248.3	262.8
EMISSION RATE	0.5	1.2	3.8	15.7	76.6	375.0	1039.0	1039.0	1039.0	762.2
THROTTLE	15.6	17.4	19.4	21.4	23.3	25.4	28.3	33.4	44.8	75.0
MANIFOLD	9.5	8.2	7.1	6.3	5.7	5.3	5.0	4.3	3.0	0.4
SPEED POINT	2200.0									
LOAD POINT	-37.8	0.2	14.7	29.2	43.7	58.2	72.7	87.2	101.7	116.2
EMISSION RATE	0.2	0.2	0.6	0.9	0.8	0.5	0.3	0.3	0.3	0.3
THROTTLE	7.3	7.3	10.1	11.0	11.1	11.2	11.6	12.7	14.4	16.5
MANIFOLD	20.0	20.0	19.3	18.4	17.3	16.2	15.0	13.7	12.5	11.3
LOAD POINT	130.7	145.2	159.7	174.2	188.7	203.2	217.7	232.2	246.7	261.2
EMISSION RATE	0.7	1.8	6.6	29.3	138.4	592.1	1317.0	1317.0	1317.0	882.3
THROTTLE	18.7	20.8	22.5	23.7	24.7	26.3	29.3	35.6	48.5	74.8
MANIFOLD	10.1	8.9	7.8	6.7	5.5	4.4	3.4	2.3	1.3	0.5
SPEED POINT	2800.0									
LOAD POINT	-54.0	1.0	14.6	28.2	41.8	55.4	69.0	82.7	96.3	109.9
EMISSION RATE	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.5
THROTTLE	8.0	8.0	9.1	11.4	14.0	16.0	17.2	17.8	18.3	19.3
MANIFOLD	20.0	20.0	18.6	17.6	16.6	15.8	14.8	13.8	12.6	11.3
LOAD POINT	123.5	137.1	150.7	164.3	177.9	191.5	205.1	218.7	232.3	245.9
EMISSION RATE	0.8	1.5	4.2	15.3	68.0	318.3	1251.4	1321.0	1321.0	703.5
THROTTLE	21.1	23.8	27.3	30.9	33.3	35.9	32.9	32.9	39.5	75.0
MANIFOLD	10.0	8.7	7.4	6.2	5.2	4.3	3.5	2.7	1.8	0.5
SPEED POINT	3300.0									
LOAD POINT	-67.5	0.2	12.7	25.2	37.8	50.3	62.8	75.3	87.8	100.3
EMISSION RATE	0.2	0.5	0.2	0.2	0.3	0.4	0.6	0.6	0.5	0.4
THROTTLE	11.0	11.0	12.0	14.0	15.3	16.6	18.0	19.5	21.3	23.4
MANIFOLD	20.0	20.0	18.1	17.1	16.4	15.9	15.1	14.1	12.9	11.5
LOAD POINT	112.9	125.4	137.9	150.4	162.9	175.4	188.0	200.5	213.0	225.5
EMISSION RATE	0.3	0.3	0.4	0.8	3.1	18.7	137.8	822.3	1659.0	962.5
THROTTLE	25.6	27.7	29.6	31.0	32.0	32.8	34.2	37.9	47.8	75.0
MANIFOLD	9.9	8.4	7.1	6.1	5.3	4.9	4.6	4.3	3.6	2.0
SPEED POINT	3800.0									
LOAD POINT	-80.9	5.1	16.1	27.2	38.2	49.3	60.3	71.4	82.4	93.5
EMISSION RATE	0.2	0.4	0.3	0.3	0.4	0.8	1.1	1.2	1.0	0.8
THROTTLE	13.5	13.5	14.3	15.6	17.1	18.5	19.8	21.2	22.6	24.3
MANIFOLD	19.5	19.5	18.2	17.4	16.8	16.2	15.4	14.3	13.0	11.5
LOAD POINT	104.5	115.6	126.6	137.7	148.7	159.8	170.8	181.9	192.9	204.0
EMISSION RATE	0.6	0.6	0.8	1.7	5.4	25.7	147.0	695.0	1435.0	771.7
THROTTLE	26.1	28.2	30.2	32.0	33.4	34.7	36.3	40.0	49.5	75.0
MANIFOLD	10.0	8.6	7.4	6.4	5.7	5.3	5.0	4.7	4.0	2.5
*ENGINE	H5CMY6		RPM		TORQUE		G/HR			
1975 CHEVR	350.0	ENGINE	HC MAP		CATALYTIC		CCNVERTER			
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	800.0									
LOAD PCINT	0.0	1.4	7.1	12.7	18.3	24.0	29.6	35.2	40.9	46.5
EMISSION RATE	3.7	3.7	4.2	4.5	4.7	4.7	4.5	4.3	4.1	3.8
THROTTLE	0.3	0.3	0.6	0.8	1.0	1.2	1.3	1.5	1.6	1.8
MANIFOLD	19.9	19.9	19.4	19.0	18.7	18.4	18.2	17.9	17.6	17.3
LOAD POINT	52.2	57.8	63.4	69.1	74.7	80.3	86.0	91.6	97.2	102.9
EMISSION RATE	3.5	3.2	3.1	3.0	3.1	3.3	3.7	4.3	5.2	6.4
THROTTLE	2.0	2.3	2.6	3.0	3.5	4.2	4.9	5.8	6.8	8.0
MANIFOLD	17.0	16.5	16.0	15.3	14.5	13.5	12.4	11.0	9.4	7.5
SPEED POINT	1000.0									
LOAD PCINT	-5.4	1.0	13.2	25.4	37.6	49.7	61.9	74.1	86.3	98.4
EMISSION RATE	3.7	2.8	8.7	13.8	13.7	10.3	6.9	4.7	3.5	3.1

THROTTLE	1.2	1.2	1.6	2.2	2.9	3.8	4.8	5.8	6.7	7.4
MANIFOLD	20.4	20.4	19.8	18.4	16.7	14.9	13.2	11.8	10.7	9.8
LOAD POINT	110.6	122.8	135.0	147.1	159.3	171.5	183.7	195.9	208.0	220.2
EMISSION RATE	3.4	4.6	7.5	14.4	30.4	64.3	122.0	162.2	162.2	106.8
THROTTLE	8.0	8.5	9.1	10.0	11.4	14.1	18.8	27.7	44.3	75.0
MANIFOLD	9.1	8.5	7.8	7.1	6.1	4.9	3.6	2.2	1.1	0.5
SPEED POINT	1300.0									
LOAD POINT	-13.5	1.2	14.1	27.0	39.9	52.8	65.7	78.6	91.5	104.4
EMISSION RATE	3.7	1.8	2.3	2.4	2.3	2.0	1.8	1.8	1.8	1.8
THROTTLE	2.3	2.3	3.8	5.3	6.3	6.9	7.4	7.9	8.5	9.5
MANIFOLD	21.5	21.5	18.6	16.8	15.5	14.6	13.6	12.6	11.4	10.2
LOAD POINT	117.3	130.2	143.1	156.0	168.9	181.8	194.7	207.6	220.5	233.4
EMISSION RATE	2.0	3.1	5.8	12.8	31.1	76.1	119.8	119.8	119.8	73.6
THROTTLE	10.9	12.5	14.3	15.9	17.0	17.7	18.7	21.8	32.5	75.0
MANIFOLD	9.0	7.9	6.9	6.2	5.7	5.4	5.1	4.4	3.0	0.3
SPEED POINT	1500.0									
LOAD POINT	-18.9	2.1	15.8	29.5	43.2	57.0	70.7	84.4	98.2	111.9
EMISSION RATE	3.7	4.2	3.7	3.4	3.1	2.9	2.7	2.7	2.9	3.5
THROTTLE	3.1	3.1	3.8	4.9	6.1	7.4	8.7	9.8	11.1	12.5
MANIFOLD	20.5	20.5	18.1	16.7	15.8	15.0	14.0	12.8	11.4	10.0
LOAD POINT	125.6	139.4	153.1	166.8	180.5	194.3	208.0	221.7	235.5	249.2
EMISSION RATE	4.7	7.2	12.7	24.9	52.2	108.4	173.0	173.0	173.0	112.0
THROTTLE	14.3	16.3	18.5	20.4	21.8	22.5	23.2	26.0	36.2	75.0
MANIFOLD	8.5	7.3	6.4	5.8	5.6	5.7	5.7	5.3	3.8	0.5
SPEED POINT	1900.0									
LOAD POINT	-29.7	2.7	17.1	31.6	46.0	60.5	74.9	89.4	103.8	118.3
EMISSION RATE	3.7	2.5	2.0	2.1	2.4	2.8	3.0	3.0	3.0	3.0
THROTTLE	5.2	5.2	6.3	7.4	8.4	9.4	10.3	11.3	12.5	13.9
MANIFOLD	20.0	20.0	18.3	17.2	16.4	15.6	14.7	13.6	12.3	10.9
LOAD POINT	132.7	147.2	161.6	176.1	190.5	205.0	219.4	233.9	248.3	262.8
EMISSION RATE	3.3	4.1	6.4	12.1	27.8	70.9	175.0	183.1	183.1	145.0
THROTTLE	15.6	17.4	19.4	21.4	23.3	25.4	28.3	33.4	44.8	75.0
MANIFOLD	9.5	8.2	7.1	6.3	5.7	5.3	5.0	4.3	3.0	0.4
SPEED POINT	2200.0									
LOAD POINT	-37.8	0.2	14.7	29.2	43.7	58.2	72.7	87.2	101.7	116.2
EMISSION RATE	3.7	2.7	1.7	1.7	2.2	3.6	5.9	9.1	12.8	16.9
THROTTLE	7.3	7.3	10.1	11.0	11.1	11.2	11.6	12.7	14.4	16.5
MANIFOLD	20.0	20.0	19.3	18.4	17.3	16.2	15.0	13.7	12.5	11.3
LOAD POINT	130.7	145.2	159.7	174.2	188.7	203.2	217.7	232.2	246.7	261.2
EMISSION RATE	21.3	26.9	35.3	49.8	76.2	123.3	197.8	215.2	215.2	162.6
THROTTLE	18.7	20.8	22.5	23.7	24.7	26.3	29.3	35.6	48.5	74.8
MANIFOLD	10.1	8.9	7.8	6.7	5.5	4.4	3.4	2.3	1.3	0.5
SPEED POINT	2800.0									
LOAD POINT	-54.0	1.0	14.6	28.2	41.8	55.4	69.0	82.7	96.3	109.9
EMISSION RATE	3.7	0.5	0.5	0.6	0.8	1.0	1.3	1.5	1.6	1.7
THROTTLE	9.0	8.0	9.1	11.4	14.0	16.0	17.2	17.8	18.3	19.3
MANIFOLD	20.0	20.0	18.6	17.6	16.6	15.8	14.8	13.8	12.6	11.3
LOAD POINT	123.5	137.1	150.7	164.3	177.9	191.5	205.1	218.7	232.3	245.9
EMISSION RATE	2.0	2.5	3.6	6.2	12.7	29.0	67.1	133.9	160.3	122.7
THROTTLE	21.1	23.8	27.3	30.9	33.3	33.9	32.9	32.9	39.5	75.0
MANIFOLD	10.0	8.7	7.4	6.2	5.2	4.3	3.5	2.7	1.8	0.5
SPEED POINT	3300.0									
LOAD POINT	-67.5	0.2	12.7	25.2	37.8	50.3	62.8	75.3	87.8	100.3
EMISSION RATE	3.7	0.4	0.2	0.3	0.5	0.9	1.4	1.6	1.4	1.0
THROTTLE	11.0	11.0	12.6	14.0	15.3	16.6	18.0	19.5	21.3	23.4
MANIFOLD	20.0	20.0	18.1	17.1	16.4	15.9	15.1	14.1	12.9	11.5
LOAD POINT	112.9	125.4	137.9	150.4	162.9	175.4	188.0	200.5	213.0	225.5
EMISSION RATE	0.6	0.5	0.5	0.7	1.6	5.4	23.4	91.3	169.1	111.6
THROTTLE	25.6	27.7	29.6	31.0	32.0	32.8	34.2	37.9	47.8	75.0
MANIFOLD	9.9	8.4	7.1	6.1	5.3	4.9	4.6	4.3	3.6	2.0
SPEED POINT	3800.0									

LOAD POINT	-80.9	5.1	16.1	27.2	38.2	49.3	60.3	71.4	82.4	93.5
EMISSION RATE	3.7	0.8	0.6	0.6	0.7	1.0	1.3	1.4	1.3	1.1
THROTTLE	13.5	13.5	14.3	15.6	17.1	18.5	19.8	21.2	22.6	24.3
MANIFOLD	19.5	19.5	18.2	17.4	16.8	16.2	15.4	14.3	13.0	11.5
LOAD POINT	104.5	115.6	126.6	137.7	148.7	159.8	170.8	181.9	192.9	204.0
EMISSION RATE	0.9	0.9	1.0	1.4	2.9	7.5	22.8	64.1	118.2	88.3
THROTTLE	26.1	28.2	30.2	32.0	33.4	34.7	36.3	40.0	49.5	75.0
MANIFOLD	10.0	8.6	7.4	6.4	5.7	5.3	5.0	4.7	4.0	2.5
*ENGINE		N5CMY6		RPM		TORQUE		G/HR		
1975 CHEVR	350.0	ENGINE	NOX	MAP		CATALYTIC		CONVERTER		
DATA	4.00J	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	800.0									
LOAD POINT	0.0	1.4	7.1	12.7	18.3	24.0	29.6	35.2	40.9	46.5
EMISSION RATE	3.5	3.5	3.0	2.8	3.1	3.7	4.6	5.9	7.5	9.4
THROTTLE	0.3	0.3	0.6	0.8	1.0	1.2	1.3	1.5	1.6	1.8
MANIFOLD	19.9	19.9	19.4	19.0	18.7	18.4	18.2	17.9	17.6	17.3
LOAD POINT	52.2	57.8	63.4	69.1	74.7	80.3	86.0	91.6	97.2	102.9
EMISSION RATE	11.5	13.9	16.6	19.4	22.5	25.8	29.3	32.9	36.7	40.6
THROTTLE	2.0	2.3	2.6	3.0	3.5	4.2	4.9	5.8	6.8	8.0
MANIFOLD	17.0	16.5	16.0	15.3	14.5	13.5	12.4	11.0	9.4	7.5
SPEED POINT	1000.0									
LOAD POINT	-5.4	1.0	13.2	25.4	37.6	49.7	61.9	74.1	86.3	98.4
EMISSION RATE	3.5	2.0	2.2	3.3	4.6	5.8	7.5	10.8	17.9	32.3
THROTTLE	1.2	1.2	1.6	2.2	2.9	3.8	4.8	5.8	6.7	7.4
MANIFOLD	20.4	20.4	19.8	18.4	16.7	14.9	13.2	11.8	10.7	9.8
LOAD POINT	110.6	122.8	135.0	147.1	159.3	171.5	183.7	195.9	208.0	220.2
EMISSION RATE	56.4	83.3	95.1	83.9	64.0	51.8	55.9	89.4	163.8	133.8
THROTTLE	8.0	8.5	9.1	10.0	11.4	14.1	18.8	27.7	44.3	75.0
MANIFOLD	9.1	8.5	7.8	7.1	6.1	4.9	3.6	2.2	1.1	0.5
SPEED POINT	1300.0									
LOAD POINT	-13.5	1.2	14.1	27.0	39.9	52.8	65.7	78.6	91.5	104.4
EMISSION RATE	3.5	2.8	4.9	7.8	10.8	14.0	18.8	27.9	44.5	69.9
THROTTLE	2.3	2.3	3.8	5.3	6.3	6.9	7.4	7.9	8.5	9.5
MANIFOLD	21.5	21.5	18.6	16.8	15.5	14.6	13.6	12.6	11.4	10.2
LOAD POINT	117.3	130.2	143.1	156.0	168.9	181.8	194.7	207.6	220.5	233.4
EMISSION RATE	96.6	105.8	87.9	57.9	34.9	24.2	24.4	40.9	96.6	157.8
THROTTLE	10.9	12.5	14.3	15.9	17.0	17.7	18.7	21.8	32.5	75.0
MANIFOLD	9.0	7.9	6.9	6.2	5.7	5.4	5.1	4.4	3.0	0.3
SPEED POINT	1500.0									
LOAD POINT	-18.9	2.1	15.8	29.5	43.2	57.0	70.7	84.4	98.2	111.9
EMISSION RATE	3.5	4.6	8.4	15.3	23.1	30.4	39.5	55.7	87.1	142.2
THROTTLE	3.1	3.1	3.8	4.9	6.1	7.4	8.7	9.8	11.1	12.5
MANIFOLD	20.5	20.5	18.1	16.7	15.8	15.0	14.0	12.8	11.4	10.0
LOAD POINT	125.6	139.4	153.1	166.8	180.5	194.3	208.0	221.7	235.5	249.2
EMISSION RATE	215.7	253.7	247.2	168.5	93.4	51.6	37.1	44.0	90.1	217.7
THROTTLE	14.3	16.3	18.5	20.4	21.8	22.5	23.2	26.0	36.2	75.0
MANIFOLD	8.5	7.3	6.4	5.8	5.6	5.7	5.7	5.3	3.8	0.5
SPEED POINT	1900.0									
LOAD POINT	-29.7	2.7	17.1	31.6	46.0	60.5	74.9	89.4	103.8	118.3
EMISSION RATE	3.5	9.2	18.1	26.9	39.8	62.1	99.8	156.1	228.7	308.8
THROTTLE	5.2	5.2	6.3	7.4	8.4	9.4	10.3	11.3	12.5	13.9
MANIFOLD	20.0	20.0	18.3	17.2	16.4	15.6	14.7	13.6	12.3	10.9
LOAD POINT	132.7	147.2	161.6	176.1	190.5	205.0	219.4	233.9	248.3	262.8
EMISSION RATE	386.0	451.2	481.4	481.4	425.4	310.5	194.0	122.3	121.2	468.6
THROTTLE	15.6	17.4	19.4	21.4	23.3	25.4	28.3	33.4	44.8	75.0
MANIFOLD	9.5	8.2	7.1	6.3	5.7	5.3	5.0	4.3	3.0	0.4
SPEED POINT	2200.0									
LOAD POINT	-37.8	0.2	14.7	29.2	43.7	58.2	72.7	87.2	101.7	116.2
EMISSION RATE	3.5	11.0	21.3	33.8	52.7	83.7	130.5	192.1	262.6	335.7
THROTTLE	7.3	7.3	10.1	11.0	11.1	11.2	11.6	12.7	14.4	16.5
MANIFOLD	20.0	20.0	19.3	18.4	17.3	16.2	15.0	13.7	12.5	11.3

LOAD PCINT	130.7	145.2	159.7	174.2	188.7	203.2	217.7	232.2	246.7	261.2
EMISSION RATE	409.2	480.8	526.1	526.1	455.7	301.2	158.5	82.0	74.2	374.3
THROTTLE	18.7	20.8	22.5	23.7	24.7	26.3	29.3	35.6	48.5	74.8
MANIFOLD	10.1	8.9	7.8	6.7	5.5	4.4	3.4	2.3	1.3	0.5
SPEED POINT	2800.0									
LOAD POINT	-54.0									
EMISSION RATE	3.5	31.3	42.2	78.0	134.2	193.1	241.6	286.2	345.5	437.4
THROTTLE	8.0	8.0	9.1	11.4	14.0	16.0	17.2	17.8	18.3	19.3
MANIFOLD	20.0	20.0	18.6	17.6	16.6	15.8	14.8	13.8	12.6	11.3
LOAD POINT	123.5	137.1	150.7	164.3	177.9	191.5	205.1	218.7	232.3	245.9
EMISSION RATE	568.6	714.6	758.2	758.2	602.7	413.5	281.0	231.0	292.4	710.4
THROTTLE	21.1	23.8	27.3	30.9	33.3	33.9	32.9	32.9	39.5	75.0
MANIFOLD	10.0	8.7	7.4	6.2	5.2	4.3	3.5	2.7	1.8	0.5
SPEED POINT	3300.0									
LOAD POINT	-67.5									
EMISSION RATE	3.5	37.3	55.4	81.4	124.1	189.8	276.3	370.4	455.5	526.1
THROTTLE	11.0	11.0	12.6	14.0	15.3	16.6	18.0	19.5	21.3	23.4
MANIFOLD	20.0	20.0	18.1	17.1	16.4	15.9	15.1	14.1	12.9	11.5
LOAD POINT	112.9	125.4	137.9	150.4	162.9	175.4	188.0	200.5	213.0	225.5
EMISSION RATE	590.8	662.0	741.3	802.5	790.3	665.7	476.3	331.7	338.6	194.3
THROTTLE	25.6	27.7	29.6	31.0	32.0	32.8	34.2	37.9	47.8	75.0
MANIFOLD	9.9	8.4	7.1	6.1	5.3	4.9	4.6	4.3	3.6	2.0
SPEED POINT	3800.0									
LOAD POINT	-80.9									
EMISSION RATE	3.5	65.7	106.8	147.2	198.0	269.3	364.9	481.2	608.5	739.0
THROTTLE	13.5	13.5	14.3	15.6	17.1	18.5	19.8	21.2	22.6	24.3
MANIFOLD	19.5	19.5	18.2	17.4	16.8	16.2	15.4	14.3	13.0	11.5
LOAD POINT	104.5	115.6	126.6	137.7	148.7	159.8	170.8	181.9	192.9	204.0
EMISSION RATE	667.0	989.6	1093.0	1141.7	1087.7	915.7	688.2	516.6	525.2	1342.8
THROTTLE	26.1	28.2	30.2	32.0	33.4	34.7	36.3	40.0	49.5	75.0
MANIFOLD	10.0	8.6	7.4	6.4	5.7	5.3	5.0	4.7	4.0	2.5
*ENGINE		X5CMY6		RPM		TORQUE		G/HR(*.1)		
1975 CHEVR	350.0	ENGINE	KAW	CD	MAP	CATALYTIC	CONVERTER			
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	800.0									
LOAD PCINT	0.0	1.4	7.1	12.7	18.3	24.0	29.6	35.2	40.9	46.5
EMISSION RATE	9.2	9.2	7.6	7.8	9.4	12.1	15.6	19.7	24.1	28.4
THROTTLE	0.3	0.3	0.6	0.8	1.0	1.2	1.3	1.5	1.6	1.8
MANIFOLD	19.9	19.9	19.4	19.0	18.7	18.4	18.2	17.9	17.6	17.3
LOAD POINT	52.2	57.8	63.4	69.1	74.7	80.3	86.0	91.6	97.2	102.9
EMISSION RATE	32.5	35.9	38.4	39.4	39.4	37.9	34.0	27.8	18.9	7.2
THROTTLE	2.0	2.3	2.6	3.0	3.5	4.2	4.9	5.8	6.8	8.0
MANIFOLD	17.0	16.5	16.0	15.3	14.5	13.5	12.4	11.0	9.4	7.5
SPEED POINT	1000.0									
LOAD POINT	-5.4									
EMISSION RATE	9.2	14.2	21.8	30.3	35.5	34.7	29.2	22.4	16.8	13.4
THROTTLE	1.2	1.2	1.6	2.2	2.9	3.8	4.8	5.8	6.7	7.4
MANIFOLD	20.4	20.4	19.8	18.4	16.7	14.9	13.2	11.8	10.7	9.8
LOAD POINT	110.6	122.8	135.0	147.1	159.3	171.5	183.7	195.9	208.0	220.2
EMISSION RATE	12.5	13.9	20.0	37.3	86.2	225.2	566.3	672.7	672.7	431.7
THROTTLE	8.0	8.5	9.1	10.0	11.4	14.1	18.8	27.7	44.3	75.0
MANIFOLD	9.1	8.5	7.8	7.1	6.1	4.9	3.6	2.2	1.1	0.5
SPEED POINT	1300.0									
LOAD PCINT	-13.5									
EMISSION RATE	9.2	23.1	32.0	27.4	18.7	12.3	8.9	8.9	8.9	11.1
THROTTLE	2.3	2.3	3.8	5.3	6.3	6.9	7.4	7.9	8.5	9.5
MANIFOLD	21.5	21.5	18.6	16.8	15.5	14.6	13.6	12.6	11.4	10.2
LOAD PCINT	117.3	130.2	143.1	156.0	168.9	181.8	194.7	207.6	220.5	233.4
EMISSION RATE	18.1	34.1	70.1	146.1	286.0	491.0	573.3	573.3	573.3	492.8
THROTTLE	10.9	12.5	14.3	15.9	17.0	17.7	18.7	21.8	32.5	75.0
MANIFOLD	9.0	7.9	6.9	6.2	5.7	5.4	5.1	4.4	3.0	0.3

SPEED POINT	1500.0										
LOAD POINT	-18.9	2.1	15.8	29.5	43.2	57.0	70.7	84.4	98.2	111.9	
EMISSION RATE	9.2	32.0	28.4	21.6	15.8	12.0	10.2	10.2	11.2	15.2	
THROTTLE	3.1	3.1	3.8	4.9	6.1	7.4	8.7	9.8	11.1	12.5	
MANIFOLD	20.5	20.5	18.1	16.7	15.8	15.0	14.0	12.8	11.4	10.0	
LOAD POINT	125.6	139.4	153.1	166.8	180.5	194.3	208.0	221.7	235.5	249.2	
EMISSION RATE	24.0	42.9	84.0	170.9	340.6	623.1	835.8	835.8	835.8	688.8	
THROTTLE	14.3	16.3	18.5	20.4	21.8	22.5	23.2	26.0	36.2	75.0	
MANIFOLD	8.5	7.3	6.4	5.8	5.6	5.7	5.7	5.3	3.8	0.5	
SPEED POINT	1900.0										
LOAD POINT	-29.7	2.7	17.1	31.6	46.0	60.5	74.9	89.4	103.8	118.3	
EMISSION RATE	9.2	22.0	17.4	17.2	19.0	21.7	24.7	27.9	31.3	36.0	
THROTTLE	5.2	5.2	6.3	7.4	8.4	9.4	10.3	11.3	12.5	13.9	
MANIFOLD	20.0	20.0	18.3	17.2	16.4	15.6	14.7	13.6	12.3	10.9	
LOAD POINT	132.7	147.2	161.6	176.1	190.5	205.0	219.4	233.9	248.3	262.8	
EMISSION RATE	43.6	57.2	83.3	135.2	241.1	452.1	823.1	1070.0	1070.0	940.0	
THROTTLE	15.6	17.4	19.4	21.4	23.3	25.4	28.3	33.4	44.8	75.0	
MANIFOLD	9.5	8.2	7.1	6.3	5.7	5.3	5.0	4.3	3.0	0.4	
SPEED POINT	2200.0										
LOAD POINT	-37.8	0.2	14.7	29.2	43.7	58.2	72.7	87.2	101.7	116.2	
EMISSION RATE	9.2	18.3	14.4	14.9	19.5	26.9	36.0	45.3	53.7	61.9	
THROTTLE	7.3	7.3	10.1	11.0	11.1	11.2	11.6	12.7	14.4	16.5	
MANIFOLD	20.0	20.0	19.3	18.4	17.3	16.2	15.0	13.7	12.5	11.3	
LOAD POINT	130.7	145.2	159.7	174.2	188.7	203.2	217.7	232.2	246.7	261.2	
EMISSION RATE	72.0	88.8	120.5	184.5	317.4	590.0	1085.6	1380.0	1380.0	1059.7	
THROTTLE	18.7	20.8	22.5	23.7	24.7	26.3	29.3	35.6	48.5	74.8	
MANIFOLD	10.1	8.9	7.8	6.7	5.5	4.4	3.4	2.3	1.3	0.5	
SPEED POINT	2800.0										
LOAD POINT	-54.0	1.0	14.6	28.2	41.8	55.4	69.0	82.7	96.3	109.9	
EMISSION RATE	9.2	19.8	21.1	28.6	39.0	49.5	56.7	59.1	57.9	56.1	
THROTTLE	8.0	8.0	9.1	11.4	14.0	16.0	17.2	17.8	18.3	19.3	
MANIFOLD	20.0	20.0	18.6	17.6	16.6	15.8	14.8	13.8	12.6	11.3	
LOAD POINT	123.5	137.1	150.7	164.3	177.9	191.5	205.1	218.7	232.3	245.9	
EMISSION RATE	57.0	64.1	83.5	128.5	231.0	459.7	911.3	1332.0	1332.0	899.4	
THROTTLE	21.1	23.8	27.3	30.9	33.3	33.9	32.9	32.9	39.5	75.0	
MANIFOLD	10.0	8.7	7.4	6.2	5.2	4.3	3.5	2.7	1.8	0.5	
SPEED POINT	3300.0										
LOAD POINT	-67.5	0.2	12.7	25.2	37.8	50.3	62.8	75.3	87.8	100.3	
EMISSION RATE	9.2	15.6	21.4	32.6	46.3	56.3	57.2	49.7	39.5	31.2	
THROTTLE	11.0	11.0	12.6	14.0	15.3	16.6	18.0	19.5	21.3	23.4	
MANIFOLD	20.0	20.0	18.1	17.1	16.4	15.9	15.1	14.1	12.9	11.5	
LOAD POINT	112.9	125.4	137.9	150.4	162.9	175.4	188.0	200.5	213.0	225.5	
EMISSION RATE	26.9	27.6	36.0	61.5	134.8	349.6	911.8	1664.0	1664.0	763.9	
THROTTLE	25.6	27.7	29.6	31.0	32.0	32.8	34.2	37.9	47.8	75.0	
MANIFOLD	9.9	8.4	7.1	6.1	5.3	4.9	4.6	4.3	3.6	2.0	
SPEED POINT	3800.0										
LOAD POINT	-80.9	5.1	16.1	27.2	38.2	49.3	60.3	71.4	82.4	93.5	
EMISSION RATE	9.2	42.9	39.8	39.8	42.7	49.8	59.7	72.4	88.3	107.8	
THROTTLE	13.5	13.5	14.3	15.6	17.1	18.5	19.8	21.2	22.6	24.3	
MANIFOLD	19.5	19.5	18.2	17.4	16.8	16.2	15.4	14.3	13.0	11.5	
LOAD POINT	104.5	115.6	126.6	137.7	148.7	159.8	170.8	181.9	192.9	204.0	
EMISSION RATE	132.2	163.2	203.5	257.2	329.1	423.8	543.0	678.0	800.7	857.5	
THROTTLE	26.1	28.2	30.2	32.0	33.4	34.7	36.3	40.0	49.5	75.0	
MANIFOLD	10.0	8.6	7.4	6.4	5.7	5.3	5.0	4.7	4.0	2.5	
*ENGINE	Y5CMY6			RPM		TORQUE		G/HR			
1975 CHEVR	350.0	ENGINE	RAW	HC	MAP	CATALYTIC	CONVERTER				
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157				
SPEED POINT	600.0										
LOAD POINT	0.0	1.4	7.1	12.7	18.3	24.0	29.6	35.2	40.9	46.5	
EMISSION RATE	35.1	35.1	35.5	35.7	35.9	36.0	36.1	36.3	36.7	37.2	
THROTTLE	0.3	0.3	0.6	0.8	1.0	1.2	1.3	1.5	1.6	1.8	



MANIFOLD	19.9	19.9	19.4	19.0	18.7	18.4	18.2	17.9	17.6	17.3
LOAD POINT	52.2	57.8	63.4	69.1	74.7	80.3	86.0	91.6	97.2	102.9
EMISSION RATE	37.9	38.9	40.2	41.9	43.9	46.5	49.6	53.2	57.5	62.3
THROTTLE	2.0	2.3	2.6	3.0	3.5	4.2	4.9	5.8	6.8	8.0
MANIFOLD	17.0	16.5	16.0	15.3	14.5	13.5	12.4	11.0	9.4	7.5
SPEED POINT 1000.0										
LOAD POINT	-5.4	1.0	13.2	25.4	37.6	49.7	61.9	74.1	86.3	98.4
EMISSION RATE	35.1	19.1	23.4	29.1	35.8	43.0	50.2	56.8	62.4	67.0
THROTTLE	1.2	1.2	1.6	2.2	2.9	3.8	4.8	5.8	6.7	7.4
MANIFOLD	20.4	20.4	19.8	18.4	16.7	14.9	13.2	11.8	10.7	9.8
LOAD POINT	110.6	122.8	135.0	147.1	159.3	171.5	183.7	195.9	208.0	220.2
EMISSION RATE	70.9	74.6	78.6	83.8	90.7	99.9	111.4	124.8	137.9	146.9
THROTTLE	8.0	8.5	9.1	10.0	11.4	14.1	18.8	27.7	44.3	75.0
MANIFOLD	9.1	8.5	7.8	7.1	6.1	4.9	3.6	2.2	1.1	0.5
SPEED POINT 1300.0										
LOAD POINT	-13.5	1.2	14.1	27.0	39.9	52.8	65.7	78.6	91.5	104.4
EMISSION RATE	35.1	22.3	29.3	33.1	34.1	33.5	32.6	32.3	33.2	35.7
THROTTLE	2.3	2.3	3.8	5.3	6.3	6.9	7.4	7.9	8.5	9.5
MANIFOLD	21.5	21.5	18.6	16.8	15.5	14.6	13.6	12.6	11.4	10.2
LOAD POINT	117.3	130.2	143.1	156.0	168.9	181.8	194.7	207.6	220.5	233.4
EMISSION RATE	40.2	47.4	57.9	72.3	90.6	111.5	132.0	146.8	148.5	136.7
THROTTLE	10.9	12.5	14.3	15.9	17.0	17.7	18.7	21.8	32.5	75.0
MANIFOLD	9.0	7.9	6.9	6.2	5.7	5.4	5.1	4.4	3.0	0.3
SPEED POINT 1500.0										
LOAD POINT	-18.9	2.1	15.8	29.5	43.2	57.0	70.7	84.4	98.2	111.9
EMISSION RATE	35.1	38.0	36.4	36.1	36.6	37.8	39.5	41.9	45.3	50.2
THROTTLE	3.1	3.1	3.8	4.9	6.1	7.4	8.7	9.8	11.1	12.5
MANIFOLD	20.5	20.5	18.1	16.7	15.8	15.0	14.0	12.8	11.4	10.0
LOAD POINT	125.6	139.4	153.1	166.8	180.5	194.3	208.0	221.7	235.5	249.2
EMISSION RATE	57.1	67.0	80.9	100.0	125.1	155.4	186.6	208.5	206.5	170.4
THROTTLE	14.3	16.3	18.5	20.4	21.8	22.5	23.2	26.0	36.2	75.0
MANIFOLD	8.5	7.3	6.4	5.8	5.6	5.7	5.7	5.3	3.8	0.5
SPEED POINT 1900.0										
LOAD POINT	-29.7	2.7	17.1	31.6	46.0	60.5	74.9	89.4	103.8	118.3
EMISSION RATE	35.1	42.1	28.3	27.8	29.7	36.4	45.5	55.6	65.1	73.1
THROTTLE	5.2	5.2	6.3	7.4	8.4	9.4	10.3	11.3	12.5	13.9
MANIFOLD	20.0	20.0	18.3	17.2	16.4	15.6	14.7	13.6	12.3	10.9
LOAD POINT	132.7	147.2	161.6	176.1	190.5	205.0	219.4	233.9	248.3	262.8
EMISSION RATE	79.7	85.9	93.6	105.0	122.7	148.9	183.9	214.7	214.7	213.7
THROTTLE	15.6	17.4	19.4	21.4	23.3	25.4	28.3	33.4	44.8	75.0
MANIFOLD	9.5	8.2	7.1	6.3	5.7	5.3	5.0	4.3	3.0	0.4
SPEED POINT 2200.0										
LOAD POINT	-37.8	0.2	14.7	29.2	43.7	58.2	72.7	87.2	101.7	116.2
EMISSION RATE	35.1	44.3	26.6	24.5	24.5	29.1	37.2	47.8	60.3	73.8
THROTTLE	7.3	7.3	10.1	11.0	11.1	11.2	11.6	12.7	14.4	16.5
MANIFOLD	20.0	20.0	19.3	18.4	17.3	16.2	15.0	13.7	12.5	11.3
LOAD POINT	130.7	145.2	159.7	174.2	188.7	203.2	217.7	232.2	246.7	261.2
EMISSION RATE	87.7	101.7	116.6	133.8	154.4	179.2	206.2	228.5	231.3	200.5
THROTTLE	18.7	20.8	22.5	23.7	24.7	26.3	29.3	35.6	48.5	74.8
MANIFOLD	10.1	8.9	7.8	6.7	5.5	4.4	3.4	2.3	1.3	0.5
SPEED POINT 2800.0										
LOAD POINT	-54.0	1.0	14.6	28.2	41.8	55.4	69.0	82.7	96.3	109.9
EMISSION RATE	35.1	12.1	13.4	17.1	22.2	27.8	33.0	37.1	39.7	41.6
THROTTLE	8.0	8.0	9.1	11.4	14.0	16.0	17.2	17.8	18.3	19.3
MANIFOLD	20.0	20.0	18.6	17.6	16.6	15.8	14.8	13.8	12.6	11.3
LOAD POINT	123.5	137.1	150.7	164.3	177.9	191.5	205.1	218.7	232.3	245.9
EMISSION RATE	43.8	47.6	54.7	67.4	89.2	124.7	176.3	235.1	235.1	228.2
THROTTLE	21.1	23.8	27.3	30.9	33.3	33.9	32.9	32.9	39.5	75.0
MANIFOLD	10.0	8.7	7.4	6.2	5.2	4.3	3.5	2.7	1.8	0.5
SPEED POINT 3300.0										
LOAD POINT	-67.5	0.2	12.7	25.2	37.8	50.3	62.8	75.3	87.8	100.3

EMISSION RATE	35.1	6.4	6.3	8.8	13.7	20.0	25.1	26.2	23.5	19.2
THRCTLLE	11.0	11.0	12.6	14.0	15.3	16.6	18.0	19.5	21.3	23.4
MANIFOLD	20.0	20.0	18.1	17.1	16.4	15.9	15.1	14.1	12.9	11.5
LOAD POINT	112.9	125.4	137.9	150.4	162.9	175.4	188.0	200.5	213.0	225.5
EMISSION RATE	15.4	13.4	13.7	17.5	28.9	60.7	149.8	372.0	729.0	758.0
THROTTLE	25.6	27.7	29.6	31.0	32.0	32.8	34.2	37.9	47.8	75.0
MANIFOLD	9.9	8.4	7.1	6.1	5.3	4.9	4.6	4.3	3.6	2.0
SPEED POINT	3800.0									
LOAD PCINT	-80.9	5.1	16.1	27.2	38.2	49.3	60.3	71.4	82.4	93.5
EMISSION RATE	35.1	8.2	7.7	9.6	13.2	17.2	20.1	20.7	19.3	17.1
THROTTLE	13.5	13.5	14.3	15.6	17.1	18.5	19.8	21.2	22.6	24.3
MANIFOLD	19.5	19.5	18.2	17.4	16.8	16.2	15.4	14.3	13.0	11.5
LCAD POINT	104.5	115.6	126.6	137.7	148.7	159.8	170.8	181.9	192.9	204.0
EMISSION RATE	15.5	15.5	18.1	25.9	45.2	92.6	200.1	344.2	344.2	303.1
THROTTLE	26.1	28.2	30.2	32.0	33.4	34.7	36.3	40.0	49.5	75.0
MANIFOLD	10.0	8.6	7.4	6.4	5.7	5.3	5.0	4.7	4.0	2.5
*ENGINE	Z5CMY6		RPM		TORQUE		G/HR			
1975 CHEVR	350.0	ENGINE	RAW NOX MAP		CATALYTIC		CONVERTER			
DATA	4.000	3.480	8. 650.	3800.	.1010	.7157				
SPEED POINT	800.0									
LOAD POINT	0.0	1.4	7.1	12.7	18.3	24.0	29.6	35.2	40.9	46.5
EMISSION RATE	3.3	3.3	2.8	2.8	3.2	4.0	5.2	6.8	8.7	10.8
THROTTLE	0.3	0.3	0.6	0.8	1.0	1.2	1.3	1.5	1.6	1.8
MANIFOLD	19.9	19.9	19.4	19.0	18.7	18.4	18.2	17.9	17.6	17.3
LOAD POINT	52.2	57.8	63.4	69.1	74.7	80.3	86.0	91.6	97.2	102.9
EMISSION RATE	13.2	15.8	18.6	21.6	24.6	27.8	31.0	34.2	37.4	40.6
THRCTLLE	2.0	2.3	2.6	3.0	3.5	4.2	4.9	5.8	6.8	8.0
MANIFOLD	17.0	16.5	16.0	15.3	14.5	13.5	12.4	11.0	9.4	7.5
SPEED POINT	1000.0									
LOAD POINT	-5.4	1.0	13.2	25.4	37.6	49.7	61.9	74.1	86.3	98.4
EMISSION RATE	3.3	3.7	3.3	5.0	6.9	7.8	8.4	10.3	15.7	28.3
THROTTLE	1.2	1.2	1.6	2.2	2.9	3.8	4.8	5.8	6.7	7.4
MANIFOLD	20.4	20.4	19.8	18.4	16.7	14.9	13.2	11.8	10.7	9.8
LOAD POINT	110.6	122.8	135.0	147.1	159.3	171.5	183.7	195.9	208.0	220.2
EMISSION RATE	52.7	84.9	103.5	93.0	69.1	54.2	59.4	104.4	177.0	147.0
THROTTLE	3.0	8.5	9.1	10.0	11.4	14.1	18.8	27.7	44.3	75.0
MANIFOLD	9.1	8.5	7.8	7.1	6.1	4.9	3.6	2.2	1.1	0.5
SPEED POINT	1300.0									
LOAD POINT	-13.5	1.2	14.1	27.0	39.9	52.8	65.7	78.6	91.5	104.4
EMISSION RATE	3.3	6.4	5.7	7.6	10.6	14.1	18.7	26.1	39.0	59.6
THROTTLE	2.3	2.3	3.8	5.3	6.3	6.9	7.4	7.9	8.5	9.5
MANIFOLD	21.5	21.5	18.6	16.8	15.5	14.6	13.6	12.6	11.4	10.2
LOAD POINT	117.3	130.2	143.1	156.0	168.9	181.8	194.7	207.6	220.5	233.4
EMISSION RATE	85.6	105.1	103.6	82.4	58.1	43.3	42.2	62.4	131.6	235.8
THROTTLE	10.9	12.5	14.3	15.9	17.0	17.7	18.7	21.8	32.5	75.0
MANIFOLD	9.0	7.9	6.9	6.2	5.7	5.4	5.1	4.4	3.0	0.3
SPEED POINT	1500.0									
LOAD POINT	-18.9	2.1	15.8	29.5	43.2	57.0	70.7	84.4	98.2	111.9
EMISSION RATE	3.3	6.9	8.2	13.0	19.9	28.0	38.7	55.9	86.3	136.4
THROTTLE	3.1	3.1	3.8	4.9	6.1	7.4	8.7	9.8	11.1	12.5
MANIFOLD	20.5	20.5	18.1	16.7	15.8	15.0	14.0	12.8	11.4	10.0
LCAD POINT	125.6	139.4	153.1	166.8	180.5	194.3	208.0	221.7	235.5	249.2
EMISSION RATE	202.5	253.8	246.8	182.1	109.1	62.4	43.4	46.9	91.6	280.4
THROTTLE	14.3	16.3	18.5	20.4	21.8	22.5	23.2	26.0	36.2	75.0
MANIFOLD	8.5	7.3	6.4	5.8	5.6	5.7	5.7	5.3	3.8	0.5
SPEED POINT	1900.0									
LOAD POINT	-29.7	2.7	17.1	31.6	46.0	60.5	74.9	89.4	103.8	118.3
EMISSION RATE	3.3	8.3	17.3	26.1	38.6	60.6	97.5	151.2	217.1	286.0
THRCTLLE	5.2	5.2	6.3	7.4	8.4	9.4	10.3	11.3	12.5	13.9
MANIFOLD	20.0	20.0	18.3	17.2	16.4	15.6	14.7	13.6	12.3	10.9
LOAD POINT	132.7	147.2	161.6	176.1	190.5	205.0	219.4	233.9	248.3	262.8

EMISSION RATE	351.7	413.6	469.0	500.9	476.7	379.3	249.0	154.6	141.0	491.8
THROTTLE	15.6	17.4	19.4	21.4	23.3	25.4	28.3	33.4	44.8	75.0
MANIFOLD	9.5	8.2	7.1	6.3	5.7	5.3	5.0	4.3	3.0	0.4
SPEED POINT	2200.0									
LOAD POINT	-37.8	0.2	14.7	29.2	43.7	58.2	72.7	87.2	101.7	116.2
EMISSION RATE	3.3	9.5	19.2	32.6	53.0	84.6	130.3	190.0	261.0	340.3
THROTTLE	7.3	7.3	10.1	11.0	11.1	11.2	11.6	12.7	14.4	16.5
MANIFOLD	20.0	20.0	19.3	18.4	17.3	16.2	15.0	13.7	12.5	11.3
LOAD POINT	130.7	145.2	159.7	174.2	188.7	203.2	217.7	232.2	246.7	261.2
EMISSION RATE	425.7	511.7	543.6	543.6	505.3	351.5	204.1	120.3	117.4	492.6
THROTTLE	18.7	20.8	22.5	23.7	24.7	26.3	29.3	35.6	48.5	74.8
MANIFOLD	10.1	8.9	7.8	6.7	5.5	4.4	3.4	2.3	1.3	0.5
SPEED POINT	2800.0									
LOAD POINT	-54.0	1.0	14.6	28.2	41.8	55.4	69.0	82.7	96.3	109.9
EMISSION RATE	3.3	30.3	41.4	74.0	129.9	198.5	262.0	312.8	360.3	421.7
THROTTLE	8.0	8.0	9.1	11.4	14.0	16.0	17.2	17.8	18.3	19.3
MANIFOLD	20.0	20.0	18.6	17.6	16.6	15.8	14.8	13.8	12.6	11.3
LOAD POINT	123.5	137.1	150.7	164.3	177.9	191.5	205.1	218.7	232.3	245.9
EMISSION RATE	513.0	638.9	776.2	858.5	809.1	630.0	425.2	296.7	309.0	897.4
THROTTLE	21.1	23.8	27.3	30.9	33.3	33.9	32.9	32.9	39.5	75.0
MANIFOLD	10.0	8.7	7.4	6.2	5.2	4.3	3.5	2.7	1.8	0.5
SPEED POINT	3300.0									
LOAD POINT	-67.5	0.2	12.7	25.2	37.8	50.3	62.8	75.3	87.8	100.3
EMISSION RATE	3.3	35.5	52.6	76.1	116.3	180.9	267.9	360.9	440.4	502.3
THROTTLE	11.0	11.0	12.6	14.0	15.3	16.6	18.0	19.5	21.3	23.4
MANIFOLD	20.0	20.0	18.1	17.1	16.4	15.9	15.1	14.1	12.9	11.5
LOAD POINT	112.9	125.4	137.9	150.4	162.9	175.4	188.0	200.5	213.0	225.5
EMISSION RATE	562.2	642.5	755.1	877.6	929.8	818.9	577.4	370.0	338.3	1195.3
THROTTLE	25.6	27.7	29.6	31.0	32.0	32.8	34.2	37.9	47.8	75.0
MANIFOLD	9.9	8.4	7.1	6.1	5.3	4.9	4.6	4.3	3.6	2.0
SPEED POINT	3800.0									
LOAD POINT	-80.9	5.1	16.1	27.2	38.2	49.3	60.3	71.4	82.4	93.5
EMISSION RATE	3.3	64.6	105.7	134.2	175.2	245.2	347.5	466.5	574.3	656.5
THROTTLE	13.5	13.5	14.3	15.6	17.1	18.5	19.8	21.2	22.6	24.3
MANIFOLD	19.5	19.5	18.2	17.4	16.8	16.2	15.4	14.3	13.0	11.5
LOAD POINT	104.5	115.6	126.6	137.7	148.7	159.8	170.8	181.9	192.9	204.0
EMISSION RATE	727.8	820.9	964.1	1151.0	1296.3	1244.2	953.3	633.3	545.2	1591.8
THROTTLE	26.1	28.2	30.2	32.0	33.4	34.7	36.3	40.0	49.5	75.0
MANIFOLD	10.0	8.6	7.4	6.4	5.7	5.3	5.0	4.7	4.0	2.5

A.7 1975 CHEVROLET 350 CID (5.74 LITER), 4 BBL

*ENGINE	F5CFB6	RPM	TORQUE				LB/HR				
1975 CHEVR	ENGINE	FUEL	MAP	CATALYTIC	CONVERTER						
DATA 4 BBL	350.0	3.480	8.	650.	3800.	.1010	.7157				
SPEED POINT	650.0										
LOAD POINT	0.0	30.6	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4	
FUEL RATE	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4	
LOAD POINT	33.8	34.1	34.5	34.8	35.2	35.5	35.9	36.2	36.6	36.9	
FUEL RATE	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0	
SPEED POINT	800.0										
LOAD POINT	-3.8	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	
FUEL RATE	4.4	5.0	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
LOAD POINT	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1	
FUEL RATE	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
SPEED POINT	1000.0										
LOAD POINT	-8.8	0.0	13.2	26.4	39.6	52.9	66.1	79.3	92.5	105.7	
FUEL RATE	4.4	4.8	5.4	6.2	7.0	8.0	8.9	9.9	10.8	11.7	
THROTTLE	0.5	0.5	2.0	3.9	6.0	8.1	9.9	11.4	12.5	13.4	
MANIFOLD	20.3	20.3	20.5	19.1	16.3	13.2	10.3	7.9	6.2	5.1	
LOAD POINT	118.9	132.1	145.4	158.6	171.8	185.0	198.2	211.4	224.6	237.9	
FUEL RATE	12.6	13.5	14.4	15.3	16.3	17.5	18.7	20.3	22.1	24.0	
THROTTLE	14.2	15.0	16.2	18.1	21.2	26.0	33.0	43.0	56.7	73.0	
MANIFOLD	4.6	4.5	4.6	4.7	4.5	3.9	3.0	1.8	0.6	0.0	
SPEED POINT	1300.0										
LOAD POINT	-16.3	0.0	14.2	28.4	42.7	56.9	71.1	85.3	99.5	113.8	
FUEL RATE	4.4	5.7	7.1	8.6	10.0	11.3	12.5	13.5	14.5	15.4	
THROTTLE	4.1	4.1	3.2	4.6	7.4	10.8	14.3	17.3	19.5	20.8	
MANIFOLD	20.5	20.5	17.1	14.8	13.4	12.4	11.6	10.6	9.6	8.4	
LOAD POINT	128.0	142.2	156.4	170.6	184.9	199.1	213.3	227.5	241.8	256.0	
FUEL RATE	16.3	17.3	18.3	19.6	21.1	23.0	25.4	28.4	32.1	35.7	
THROTTLE	21.3	21.1	20.7	20.5	21.2	23.7	29.0	38.4	53.1	73.0	
MANIFOLD	7.3	6.1	5.1	4.3	3.7	3.3	3.0	2.6	1.7	0.0	
SPEED POINT	1500.0										
LOAD POINT	-21.3	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4	
FUEL RATE	4.4	8.0	10.8	12.6	13.6	14.0	14.2	14.4	14.8	15.5	
THROTTLE	5.0	5.0	6.6	8.4	10.1	11.7	13.1	14.3	15.4	16.4	
MANIFOLD	18.8	18.8	16.4	14.9	13.9	13.1	12.4	11.5	10.4	9.3	
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.5	
FUEL RATE	16.6	18.2	20.2	22.6	25.3	28.1	30.8	33.1	34.7	35.3	
THROTTLE	17.6	19.0	20.8	23.4	27.0	32.0	38.8	47.7	59.3	73.0	
MANIFOLD	8.0	6.8	5.6	4.7	3.9	3.3	2.8	2.4	1.6	0.5	
SPEED POINT	1500.0										
LOAD POINT	-31.3	3.1	17.7	32.4	47.1	61.7	76.4	91.0	105.7	120.3	
FUEL RATE	4.4	9.9	11.5	12.9	14.2	15.4	16.7	18.1	19.5	21.0	
THROTTLE	7.0	7.0	9.8	11.3	12.0	12.7	13.9	15.7	18.2	20.9	
MANIFOLD	18.8	18.8	17.4	16.4	15.6	14.7	13.7	12.6	11.3	10.0	
LOAD POINT	135.0	149.7	164.3	179.0	193.6	208.3	223.0	237.6	252.3	266.9	
FUEL RATE	22.7	24.6	26.7	29.0	31.6	34.5	37.7	41.2	45.1	49.3	
THROTTLE	23.6	25.6	26.8	27.1	27.2	27.9	30.3	36.4	49.9	73.0	
MANIFOLD	8.7	7.4	6.3	5.3	4.5	3.9	3.4	2.8	1.8	0.5	
SPEED POINT	2200.0										
LOAD POINT	-38.8	3.1	17.5	31.9	46.3	60.7	75.1	89.4	103.8	118.2	
FUEL RATE	4.4	11.2	13.6	15.3	16.6	17.5	18.3	19.1	20.0	21.3	
THROTTLE	7.9	7.9	12.1	14.2	14.9	15.3	16.1	17.5	19.6	22.1	

MANIFGLO	19.1	19.1	17.8	16.8	15.9	15.1	14.1	13.1	12.0	10.8
LCAD PCINT	132.6	147.0	161.4	175.8	190.2	204.6	219.0	233.3	247.7	262.1
FUEL RATE	22.8	24.8	27.2	30.1	33.5	37.3	41.5	46.0	50.8	55.0
THRATTLE	24.7	26.9	28.3	29.0	29.4	30.4	33.0	39.0	51.7	73.0
MANIFOLD	9.5	8.3	7.1	6.1	5.1	4.3	3.5	2.7	1.7	0.5
SPEED POINT	2400.0									
LOAD PCINT	-43.8	3.1	17.7	32.3	46.9	61.5	76.1	90.7	105.4	120.0
FUEL RATE	4.4	10.8	13.4	15.5	17.2	18.6	19.9	21.3	22.8	24.5
THRATTLE	10.5	10.5	10.1	11.0	12.8	15.0	17.5	20.0	22.3	24.4
MANIFOLO	20.0	20.0	19.3	18.2	17.0	15.7	14.3	13.0	11.7	10.5
LOAD PCINT	134.6	149.2	163.8	178.4	193.0	207.6	222.3	236.9	251.5	266.1
FUEL RATE	26.4	28.8	31.4	34.4	37.8	41.5	45.4	49.5	53.7	57.9
THRATTLE	26.3	28.0	29.5	30.9	32.2	33.7	35.9	40.4	50.3	73.0
MANIFOLD	9.4	8.3	7.3	6.3	5.4	4.5	3.5	2.5	1.5	0.5
SPEED POINT	2800.0									
LCAD PCINT	-53.9	3.1	17.7	32.4	47.1	61.8	76.5	91.2	105.9	120.6
FUEL RATE	4.4	13.8	14.3	15.3	16.7	18.6	20.8	23.3	26.2	29.2
THRATTLE	14.0	14.0	16.0	17.6	19.0	20.5	21.9	23.5	25.3	27.0
MANIFOLO	19.6	19.6	18.3	17.3	16.3	15.3	14.2	13.0	11.8	10.5
LOAD PCINT	135.3	150.0	164.6	179.3	194.0	208.7	223.4	238.1	252.8	267.5
FUEL RATE	32.4	35.8	39.2	42.7	46.2	49.7	53.0	56.3	59.4	62.2
THRATTLE	28.8	30.4	32.0	33.4	35.0	37.0	40.0	45.3	54.8	73.0
MANIFOLD	9.3	8.0	6.9	5.9	5.0	4.3	3.5	2.7	1.7	0.2
SPEED POINT	3300.0									
LCAD PCINT	-66.4	3.1	15.4	27.8	40.2	52.6	65.0	77.4	89.8	102.1
FUEL RATE	4.4	17.2	17.9	19.4	21.4	23.8	26.3	28.8	31.3	33.8
THRATTLE	18.0	18.0	18.9	19.9	21.0	22.2	23.5	25.0	26.6	28.2
MANIFOLO	19.3	19.3	18.3	17.5	16.8	16.1	15.2	14.2	13.0	11.8
LOAD PCINT	114.5	126.9	139.3	151.7	164.1	176.5	188.8	201.2	213.6	226.0
FUEL RATE	36.2	38.6	41.2	44.2	47.6	51.9	57.4	64.3	73.1	84.3
THRATTLE	29.7	31.2	32.6	33.9	35.4	37.4	40.5	46.0	56.2	73.0
MANIFOLD	10.6	9.5	8.4	7.6	6.8	6.1	5.3	4.3	2.7	0.5
SPEED POINT	3800.0									
LOAD PCINT	-78.9	0.0	10.8	21.6	32.4	43.2	54.1	64.9	75.7	86.5
FUEL RATE	4.4	21.1	20.0	20.0	21.4	24.7	28.5	32.4	36.1	39.5
THRATTLE	13.6	13.6	18.8	21.1	21.7	22.0	22.6	24.0	26.1	28.5
MANIFOLO	19.9	19.9	19.0	17.8	16.5	15.1	13.6	12.1	10.8	9.6
LOAD PCINT	97.3	108.1	118.9	129.7	140.5	151.4	162.2	173.0	183.8	194.6
FUEL RATE	42.3	44.8	47.0	49.3	51.9	55.6	60.8	68.3	79.1	94.1
THRATTLE	31.1	33.3	34.9	35.8	36.4	37.5	39.8	44.9	54.6	72.4
MANIFOLD	8.6	7.9	7.4	7.0	6.8	6.6	6.2	5.4	4.0	1.5
*ENGINE		C5CFB6		RPM		TORQUE		G/HR(*.1)		
1975 CHEVR	350.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	30.6	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4
EMISSION RATE	0.2	0.2	1.4	2.5	3.7	4.9	6.0	7.2	8.3	9.5
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4
LOAD POINT	33.8	34.1	34.5	34.8	35.2	35.5	35.9	36.2	36.6	36.9
EMISSION RATE	10.7	11.8	13.0	14.1	15.3	16.5	17.6	18.8	19.9	21.1
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0
SPEED POINT	800.0									
LOAD POINT	-3.8	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4
EMISSION RATE	0.2	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
LOAD POINT	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1
EMISSION RATE	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	0.1
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
SPEED POINT 1000.0										
LOAD POINT	-8.8	0.0	13.2	26.4	39.6	52.9	66.1	79.3	92.5	105.7
EMISSION RATE	0.2	0.5	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1
THRATTLE	0.5	0.5	2.0	3.9	6.0	8.1	9.9	11.4	12.5	13.4
MANIFOLD	20.3	20.3	20.5	19.1	16.3	13.2	10.3	7.9	6.2	5.1
LOAD POINT	118.9	132.1	145.4	158.6	171.8	185.0	198.2	211.4	224.6	237.9
EMISSION RATE	0.1	0.1	0.1	0.3	1.4	10.6	82.7	469.1	615.8	544.4
THRATTLE	14.2	15.0	16.2	18.1	21.2	26.0	33.0	43.0	56.7	73.0
MANIFOLD	4.6	4.5	4.6	4.7	4.5	3.9	3.0	1.8	0.6	0.0
SPEED POINT 1300.0										
LOAD PCINT	-16.3	0.0	14.2	28.4	42.7	56.9	71.1	85.3	99.5	113.8
EMISSION RATE	0.2	0.2	0.2	0.3	0.5	0.7	0.9	0.8	0.7	0.6
THRATTLE	4.1	4.1	3.2	4.6	7.4	10.8	14.3	17.3	19.5	20.8
MANIFOLD	20.5	20.5	17.1	14.8	13.4	12.4	11.6	10.6	9.6	8.4
LOAD POINT	128.0	142.2	156.4	170.6	184.9	199.1	213.3	227.5	241.8	256.0
EMISSION RATE	0.5	0.6	0.9	2.1	6.7	29.2	141.3	563.6	902.5	730.1
THRATTLE	21.3	21.1	20.7	20.5	21.2	23.7	29.0	38.4	53.1	73.0
MANIFOLD	7.3	6.1	5.1	4.3	3.7	3.3	3.0	2.6	1.7	0.0
SPEED POINT 1500.0										
LOAD POINT	-21.3	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	0.2	0.4	0.5	0.6	0.6	0.4	0.3	0.2	0.1	0.1
THRATTLE	5.0	5.0	6.6	8.4	10.1	11.7	13.1	14.3	15.4	16.4
MANIFOLD	18.8	18.8	16.4	14.9	13.9	13.1	12.4	11.5	10.4	9.3
LOAD PCINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.5
EMISSION RATE	0.1	0.2	0.4	1.5	7.5	45.5	264.9	1068.0	1106.0	843.9
THRATTLE	17.6	19.0	20.8	23.4	27.0	32.0	38.8	47.7	59.3	73.0
MANIFOLD	8.0	6.8	5.6	4.7	3.9	3.3	2.8	2.4	1.6	0.5
SPEED POINT 1900.0										
LOAD POINT	-31.3	3.1	17.7	32.4	47.1	61.7	76.4	91.0	105.7	120.3
EMISSION RATE	0.2	0.4	0.3	0.3	0.4	0.6	0.8	0.9	0.9	0.8
THRATTLE	7.0	7.0	9.8	11.3	12.0	12.7	13.9	15.7	18.2	20.9
MANIFOLD	18.8	18.8	17.4	16.4	15.6	14.7	13.7	12.6	11.3	10.0
LOAD PCINT	135.0	149.7	164.3	179.0	193.6	208.3	223.0	237.6	252.3	266.9
EMISSION RATE	0.8	0.9	1.4	3.0	9.2	38.3	185.8	785.4	1711.0	1432.4
THRATTLE	23.6	25.6	26.8	27.1	27.2	27.9	30.3	36.4	49.9	73.0
MANIFOLD	8.7	7.4	6.3	5.3	4.5	3.9	3.4	2.8	1.8	0.5
SPEED POINT 2200.0										
LOAD POINT	-38.8	3.1	17.5	31.9	46.3	60.7	75.1	89.4	103.8	118.2
EMISSION RATE	0.2	0.5	0.3	0.3	0.5	0.7	0.9	0.9	0.7	0.6
THRATTLE	7.9	7.9	12.1	14.2	14.9	15.3	16.1	17.5	19.6	22.1
MANIFOLD	19.1	19.1	17.8	16.8	15.9	15.1	14.1	13.1	12.0	10.8
LOAD POINT	132.6	147.0	161.4	175.8	190.2	204.6	219.0	233.3	247.7	262.1
EMISSION RATE	0.6	0.6	1.0	2.2	7.9	39.1	224.7	1072.6	1861.0	1617.3
THRATTLE	24.7	26.9	28.3	29.0	29.4	30.4	33.0	39.0	51.7	73.0
MANIFOLD	9.5	8.3	7.1	6.1	5.1	4.3	3.5	2.7	1.7	0.5
SPEED POINT 2400.0										
LOAD POINT	-43.8	3.1	17.7	32.3	46.9	61.5	76.1	90.7	105.4	120.0
EMISSION RATE	0.2	0.4	0.3	0.3	0.4	0.6	0.7	0.7	0.5	0.4
THRATTLE	10.5	10.5	10.1	11.0	12.8	15.0	17.5	20.0	22.3	24.4
MANIFOLD	20.0	20.0	19.3	18.2	17.0	15.7	14.3	13.0	11.7	10.5
LOAD POINT	134.6	149.2	163.8	178.4	193.0	207.6	222.3	236.9	251.5	266.1
EMISSION RATE	0.4	0.4	0.7	1.6	6.4	35.6	229.0	1179.4	2240.0	1524.6
THRATTLE	26.3	28.0	29.5	30.9	32.2	33.7	35.9	40.4	50.3	73.0
MANIFOLD	9.4	8.3	7.3	6.3	5.4	4.5	3.5	2.5	1.5	0.5
SPEED POINT 2600.0										
LOAD POINT	-53.9	3.1	17.7	32.4	47.1	61.8	76.5	91.2	105.9	120.6
EMISSION RATE	0.2	0.6	0.2	0.2	0.3	0.5	0.7	0.8	0.7	0.5
THRATTLE	14.0	14.0	16.0	17.6	19.0	20.5	21.9	23.5	25.3	27.0
MANIFOLD	19.6	19.6	18.3	17.3	16.3	15.3	14.2	13.0	11.8	10.5
LOAD POINT	135.3	150.0	164.6	179.3	194.0	208.7	223.4	238.1	252.8	267.5

EMISSION RATE	0.3	0.3	0.3	0.5	1.5	6.8	45.7	319.2	1421.3	1986.3
THROTTLE	28.8	30.4	32.0	33.4	35.0	37.0	40.0	45.3	54.8	73.0
MANIFCLO	9.3	8.0	6.9	5.9	5.0	4.3	3.5	2.7	1.7	0.2
SPEED POINT	3300.0									
LOAD POINT	-66.4	3.1	15.4	27.8	40.2	52.6	65.0	77.4	89.8	102.1
EMISSION RATE	0.2	0.4	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.4
THROTTLE	18.0	18.0	18.9	19.9	21.0	22.2	23.5	25.0	26.6	28.2
MANIFCLO	19.3	19.3	18.3	17.5	16.8	16.1	15.2	14.2	13.0	11.8
LOAD POINT	114.5	126.9	139.3	151.7	164.1	176.5	188.8	201.2	213.6	226.0
EMISSION RATE	0.4	0.4	0.5	0.9	2.3	8.5	41.6	228.6	1105.7	524.0
THROTTLE	29.7	31.2	32.6	33.9	35.4	37.4	40.5	46.0	56.2	73.0
MANIFCLO	10.6	9.5	8.4	7.6	6.8	6.1	5.3	4.3	2.7	0.5
SPEED POINT	3800.0									
LOAD POINT	-78.9	0.0	10.8	21.6	32.4	43.2	54.1	64.9	75.7	86.5
EMISSION RATE	0.2	1.7	0.4	0.3	0.4	0.6	1.0	1.3	1.3	1.2
THROTTLE	13.6	13.6	18.8	21.1	21.7	22.0	22.6	24.0	26.1	28.5
MANIFCLO	19.9	19.9	19.0	17.8	16.5	15.1	13.6	12.1	10.8	9.6
LOAD POINT	97.3	108.1	118.9	129.7	140.5	151.4	162.2	173.0	183.8	194.6
EMISSION RATE	1.0	0.9	0.9	1.1	2.0	5.5	22.5	127.2	826.3	3365.0
THROTTLE	31.1	33.3	34.9	35.8	36.4	37.5	39.8	44.9	54.6	72.4
MANIFCLO	8.6	7.9	7.4	7.0	6.8	6.6	6.2	5.4	4.0	1.5
*ENGINE	H5CF86		RPM		TORQUE		G/HR			
1975 CHEVR	350.0	ENGINE	HC	MAP	CATALYTIC		CONVERTER			
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	30.6	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4
EMISSION RATE	3.0	3.0	5.0	7.1	9.1	11.2	13.2	15.3	17.3	19.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLO	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4
LOAD POINT	33.8	34.1	34.5	34.8	35.2	35.5	35.9	36.2	36.6	36.9
EMISSION RATE	21.4	23.5	25.5	27.6	29.6	31.7	33.7	35.8	37.8	39.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLO	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0
SPEED POINT	800.0									
LOAD POINT	-3.8	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4
EMISSION RATE	3.0	52.2	49.5	46.8	44.0	41.3	38.6	35.9	33.1	30.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLO	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
LOAD POINT	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1
EMISSION RATE	27.7	24.9	22.2	19.5	16.7	14.0	11.3	8.6	5.8	3.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLO	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
SPEED POINT	1000.0									
LOAD POINT	-8.8	0.0	13.2	26.4	39.6	52.9	66.1	79.3	92.5	105.7
EMISSION RATE	3.0	6.2	2.5	2.0	2.3	2.9	3.3	3.3	2.8	2.2
THROTTLE	0.5	0.5	2.0	3.9	6.0	8.1	9.9	11.4	12.5	13.4
MANIFCLO	20.3	20.3	20.5	19.1	16.3	13.2	10.3	7.9	6.2	5.1
LOAD POINT	118.9	132.1	145.4	158.6	171.8	185.0	198.2	211.4	224.6	237.9
EMISSION RATE	2.0	2.0	2.0	2.5	5.0	12.6	36.3	93.7	102.3	94.4
THROTTLE	14.2	15.0	16.2	18.1	21.2	26.0	33.0	43.0	56.7	73.0
MANIFCLO	4.6	4.5	4.6	4.7	4.5	3.9	3.0	1.8	0.6	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.3	0.0	14.2	28.4	42.7	56.9	71.1	85.3	99.5	113.8
EMISSION RATE	3.0	2.8	4.2	5.7	6.7	6.3	5.0	3.5	2.3	1.5
THROTTLE	4.1	4.1	3.2	4.6	7.4	10.8	14.3	17.3	19.5	20.8
MANIFCLO	20.5	20.5	17.1	14.8	13.4	12.4	11.6	10.6	9.6	8.4
LOAD POINT	128.0	142.2	156.4	170.6	184.9	199.1	213.3	227.5	241.8	256.0
EMISSION RATE	1.4	1.4	1.4	2.0	4.1	10.5	30.7	83.6	164.2	164.2
THROTTLE	21.3	21.1	20.7	20.5	21.2	23.7	29.0	38.4	53.1	73.0
MANIFCLO	7.3	6.1	5.1	4.3	3.7	3.3	3.0	2.6	1.7	0.0
SPEED POINT	1500.0									

LOAD PCINT	-21.3	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	3.0	6.0	5.0	5.2	5.5	5.3	4.5	3.3	2.3	1.6
THROTTLE	5.0	5.0	6.6	8.4	10.1	11.7	13.1	14.3	15.4	16.4
MANIFOLD	18.8	18.8	16.4	14.9	13.9	13.1	12.4	11.5	10.4	9.3
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.5
EMISSION RATE	1.4	1.4	1.4	1.9	4.0	10.9	33.6	95.6	163.6	163.4
THROTTLE	17.6	19.0	20.8	23.4	27.0	32.0	38.8	47.7	59.3	73.0
MANIFOLD	8.0	6.8	5.6	4.7	3.9	3.3	2.8	2.4	1.6	0.5
SPEED POINT 1900.0										
LOAD POINT	-31.3	3.1	17.7	32.4	47.1	61.7	76.4	91.0	105.7	120.3
EMISSION RATE	3.0	9.7	4.9	3.6	3.1	2.8	2.4	1.9	1.5	1.5
THROTTLE	7.0	7.0	9.8	11.3	12.0	12.7	13.9	15.7	18.2	20.9
MANIFOLD	18.8	18.8	17.4	16.4	15.6	14.7	13.7	12.6	11.3	10.0
LOAD POINT	135.0	149.7	164.3	179.0	193.6	208.3	223.0	237.6	252.3	266.9
EMISSION RATE	1.5	1.5	1.5	2.5	5.5	14.8	44.2	118.5	204.6	180.8
THROTTLE	23.6	25.6	26.8	27.1	27.2	27.9	30.3	36.4	49.9	73.0
MANIFOLD	8.7	7.4	6.3	5.3	4.5	3.9	3.4	2.8	1.8	0.5
SPEED POINT 2200.0										
LOAD POINT	-38.8	3.1	17.5	31.9	46.3	60.7	75.1	89.4	103.8	118.2
EMISSION RATE	3.0	11.5	3.0	1.8	1.7	1.9	2.0	2.0	1.8	1.6
THROTTLE	7.9	7.9	12.1	14.2	14.9	15.3	16.1	17.5	19.6	22.1
MANIFOLD	19.1	19.1	17.8	16.8	15.9	15.1	14.1	13.1	12.0	10.8
LOAD POINT	132.6	147.0	161.4	175.8	190.2	204.6	219.0	233.3	247.7	262.1
EMISSION RATE	1.6	1.6	1.6	2.3	4.9	13.2	41.7	122.9	224.9	205.3
THROTTLE	24.7	26.9	28.3	29.0	29.4	30.4	33.0	39.0	51.7	73.0
MANIFOLD	9.5	8.3	7.1	6.1	5.1	4.3	3.5	2.7	1.7	0.5
SPEED POINT 2400.0										
LOAD POINT	-43.8	3.1	17.7	32.3	46.9	61.5	76.1	90.7	105.4	120.0
EMISSION RATE	3.0	3.7	1.3	1.2	1.4	1.9	2.3	2.2	1.8	1.3
THROTTLE	10.5	10.5	10.1	11.0	12.8	15.0	17.5	20.0	22.3	24.4
MANIFOLD	20.0	20.0	19.3	18.2	17.0	15.7	14.3	13.0	11.7	10.5
LOAD POINT	134.6	149.2	163.8	178.4	193.0	207.6	222.3	236.9	251.5	266.1
EMISSION RATE	1.2	1.2	1.2	1.2	2.1	6.2	22.9	82.5	194.7	171.7
THROTTLE	26.3	28.0	29.5	30.9	32.2	33.7	35.9	40.4	50.3	73.0
MANIFOLD	9.4	8.3	7.3	6.3	5.4	4.5	3.5	2.5	1.5	0.5
SPEED POINT 2800.0										
LOAD POINT	-53.9	3.1	17.7	32.4	47.1	61.8	76.5	91.2	105.9	120.6
EMISSION RATE	3.0	1.3	0.8	0.9	1.2	1.4	1.5	1.4	1.1	0.8
THROTTLE	14.0	14.0	16.0	17.6	19.0	20.5	21.9	23.5	25.3	27.0
MANIFOLD	19.6	19.6	18.3	17.3	16.3	15.3	14.2	13.0	11.8	10.5
LOAD POINT	135.3	150.0	164.6	179.3	194.0	208.7	223.4	238.1	252.8	267.5
EMISSION RATE	0.8	0.8	0.8	1.0	2.2	6.6	23.8	79.4	172.1	146.1
THROTTLE	28.8	30.4	32.0	33.4	35.0	37.0	40.0	45.3	54.8	73.0
MANIFOLD	9.3	8.0	6.9	5.9	5.0	4.3	3.5	2.7	1.7	0.2
SPEED POINT 3300.0										
LOAD POINT	-66.4	3.1	15.4	27.8	40.2	52.6	65.0	77.4	89.8	102.1
EMISSION RATE	3.0	0.7	0.4	0.4	0.5	0.6	0.8	0.8	0.8	0.7
THROTTLE	18.0	18.0	18.9	19.9	21.0	22.2	23.5	25.0	26.6	28.2
MANIFOLD	19.3	19.3	18.3	17.5	16.8	16.1	15.2	14.2	13.0	11.8
LOAD POINT	114.5	126.9	139.3	151.7	164.1	176.5	188.8	201.2	213.6	226.0
EMISSION RATE	0.7	0.6	0.7	1.1	2.0	4.9	14.8	49.1	144.8	259.8
THROTTLE	29.7	31.2	32.6	33.9	35.4	37.4	40.5	46.0	56.2	73.0
MANIFOLD	10.6	9.5	8.4	7.6	6.8	6.1	5.3	4.3	2.7	0.5
SPEED POINT 3800.0										
LOAD POINT	-78.9	0.0	10.8	21.6	32.4	43.2	54.1	64.9	75.7	86.5
EMISSION RATE	3.0	3.5	0.6	0.4	0.4	0.7	1.0	1.4	1.5	1.4
THROTTLE	13.6	13.6	18.8	21.1	21.7	22.0	22.6	24.0	26.1	28.5
MANIFOLD	19.9	19.9	19.0	17.8	16.5	15.1	13.6	12.1	10.8	9.6
LOAD POINT	97.3	108.1	118.9	129.7	140.5	151.4	162.2	173.0	183.8	194.6
EMISSION RATE	1.2	1.0	0.9	0.9	1.4	3.0	9.0	34.8	142.5	394.5
THROTTLE	31.1	33.3	34.9	35.8	36.4	37.5	39.8	44.9	54.6	72.4



MANIFOLD	8.6	7.9	7.4	7.0	6.8	6.6	6.2	5.4	4.0	1.5
*ENGINE	N5CFB6		RPM		TORQUE		G/HR			
1975 CHEVR	350.0	ENGINE	NOX	MAP	CATALYTIC		CONVERTER			
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	30.6	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4
EMISSION RATE	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4
LOAD POINT	33.8	34.1	34.5	34.8	35.2	35.5	35.9	36.2	36.6	36.9
EMISSION RATE	3.3	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0
SPEED POINT	800.0									
LOAD POINT	-3.3	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4
EMISSION RATE	3.7	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
LOAD POINT	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1
EMISSION RATE	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	2.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
SPEED POINT	1000.0									
LOAD POINT	-6.8	0.0	13.2	26.4	39.6	52.9	66.1	79.3	92.5	105.7
EMISSION RATE	3.7	4.2	3.6	7.9	14.2	16.3	14.5	13.3	15.5	24.4
THROTTLE	0.5	0.5	2.0	3.9	6.0	8.1	9.9	11.4	12.5	13.4
MANIFOLD	20.3	20.3	20.5	19.1	16.3	13.2	10.3	7.9	6.2	5.1
LOAD POINT	118.9	132.1	145.4	158.6	171.8	185.0	198.2	211.4	224.6	237.9
EMISSION RATE	46.5	88.5	136.6	150.8	122.2	87.7	74.6	94.4	155.6	130.2
THROTTLE	14.2	15.0	16.2	18.1	21.2	26.0	33.0	43.0	56.7	73.0
MANIFOLD	4.6	4.5	4.6	4.7	4.5	3.9	3.0	1.8	0.6	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.3	0.0	14.2	28.4	42.7	56.9	71.1	85.3	99.5	113.8
EMISSION RATE	3.7	4.7	6.7	11.5	17.3	21.3	23.1	24.4	27.6	34.9
THROTTLE	4.1	4.1	3.2	4.6	7.4	10.8	14.3	17.3	19.5	20.8
MANIFOLD	20.5	20.5	17.1	14.8	13.4	12.4	11.6	10.6	9.6	8.4
LOAD POINT	128.0	142.2	156.4	170.6	184.9	199.1	213.3	227.5	241.8	256.0
EMISSION RATE	49.0	72.1	101.8	126.7	130.8	112.0	85.2	67.6	70.4	127.3
THROTTLE	21.3	21.1	20.7	20.5	21.2	23.7	29.0	38.4	53.1	73.0
MANIFOLD	7.3	6.1	5.1	4.3	3.7	3.3	3.0	2.6	1.7	0.0
SPEED POINT	1500.0									
LOAD POINT	-21.3	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	3.7	4.5	7.8	15.2	24.6	32.0	37.1	43.0	54.1	75.5
THROTTLE	5.0	5.0	6.6	8.4	10.1	11.7	13.1	14.3	15.4	16.4
MANIFOLD	18.8	18.8	16.4	14.9	13.9	13.1	12.4	11.5	10.4	9.3
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.5
EMISSION RATE	111.8	160.9	204.2	211.6	174.7	120.6	78.6	57.2	53.9	68.5
THROTTLE	17.6	19.0	20.8	23.4	27.0	32.0	38.8	47.7	59.3	73.0
MANIFOLD	8.0	6.8	5.6	4.7	3.9	3.3	2.8	2.4	1.6	0.5
SPEED POINT	1900.0									
LOAD POINT	-31.3	3.1	17.7	32.4	47.1	61.7	76.4	91.0	105.7	120.3
EMISSION RATE	3.7	13.8	11.1	14.0	22.7	40.0	67.9	104.3	144.2	185.3
THROTTLE	7.0	7.0	9.8	11.3	12.0	12.7	13.9	15.7	18.2	20.9
MANIFOLD	18.8	18.8	17.4	16.4	15.6	14.7	13.7	12.6	11.3	10.0
LOAD POINT	135.0	149.7	164.3	179.0	193.6	208.3	223.0	237.6	252.3	266.9
EMISSION RATE	230.3	284.4	344.9	388.6	371.0	273.3	150.3	70.2	42.9	86.7
THROTTLE	23.6	25.6	26.8	27.1	27.2	27.9	30.3	36.4	49.9	73.0
MANIFOLD	8.7	7.4	6.3	5.3	4.5	3.9	3.4	2.8	1.8	0.5
SPEED POINT	2200.0									
LOAD POINT	-38.8	3.1	17.5	31.9	46.3	60.7	75.1	89.4	103.8	118.2
EMISSION RATE	3.7	20.6	17.4	25.8	45.1	75.9	115.3	159.8	211.2	277.3

THROTTLE	7.9	7.9	12.1	14.2	14.9	15.3	16.1	17.5	19.6	22.1
MANIFOLD	19.1	19.1	17.8	16.8	15.9	15.1	14.1	13.1	12.0	10.8
LOAD POINT	132.6	147.0	161.4	175.8	190.2	204.6	219.0	233.3	247.7	262.1
EMISSION RATE	366.5	476.8	497.9	497.9	480.2	293.8	142.1	66.3	45.5	96.5
THROTTLE	24.7	26.9	28.3	29.0	29.4	30.4	33.0	39.0	51.7	73.0
MANIFOLD	9.5	8.3	7.1	6.1	5.1	4.3	3.5	2.7	1.7	0.5
SPEED POINT	2400.0									
LOAD POINT	-43.8	3.1	17.7	32.3	46.9	61.5	76.1	90.7	105.4	120.0
EMISSION RATE	3.7	18.1	54.6	46.7	43.5	63.4	127.3	268.6	476.4	633.2
THROTTLE	10.5	10.5	10.1	11.0	12.8	15.0	17.5	20.0	22.3	24.4
MANIFOLD	20.0	20.0	19.3	18.2	17.0	15.7	14.3	13.0	11.7	10.5
LOAD POINT	134.6	149.2	163.8	178.4	193.0	207.6	222.3	236.9	251.5	266.1
EMISSION RATE	633.2	633.2	603.1	553.4	463.6	298.8	130.5	45.7	30.6	342.2
THROTTLE	26.3	28.0	29.5	30.9	32.2	33.7	35.9	40.4	50.3	73.0
MANIFOLD	9.4	8.3	7.3	6.3	5.4	4.5	3.5	2.5	1.5	0.5
SPEED POINT	2800.0									
LOAD POINT	-53.9	3.1	17.7	32.4	47.1	61.8	76.5	91.2	105.9	120.6
EMISSION RATE	3.7	20.7	51.7	63.7	73.8	101.5	161.2	262.7	396.8	530.7
THROTTLE	14.0	14.0	16.0	17.6	19.0	20.5	21.9	23.5	25.3	27.0
MANIFOLD	19.6	19.6	18.3	17.3	16.3	15.3	14.2	13.0	11.8	10.5
LOAD POINT	135.3	150.0	164.6	179.3	194.0	208.7	223.4	238.1	252.8	267.5
EMISSION RATE	635.7	709.7	754.6	754.6	697.3	502.2	273.6	129.2	92.5	374.2
THROTTLE	28.8	30.4	32.0	33.4	35.0	37.0	40.0	45.3	54.8	73.0
MANIFOLD	9.3	8.0	6.9	5.9	5.0	4.3	3.5	2.7	1.7	0.2
SPEED POINT	3300.0									
LOAD POINT	-66.4	3.1	15.4	27.8	40.2	52.6	65.0	77.4	89.8	102.1
EMISSION RATE	3.7	36.9	56.3	71.6	98.1	149.0	233.8	348.6	467.6	560.3
THROTTLE	18.0	18.0	18.9	19.9	21.0	22.2	23.5	25.0	26.6	28.2
MANIFOLD	19.3	19.3	18.3	17.5	16.8	16.1	15.2	14.2	13.0	11.8
LOAD POINT	114.5	126.9	139.3	151.7	164.1	176.5	188.8	201.2	213.6	226.0
EMISSION RATE	618.9	663.9	724.0	815.3	922.0	926.2	904.6	712.3	550.2	659.4
THROTTLE	29.7	31.2	32.6	33.9	35.4	37.4	40.5	46.0	56.2	73.0
MANIFOLD	10.6	9.5	8.4	7.6	6.8	6.1	5.3	4.3	2.7	0.5
SPEED POINT	3800.0									
LOAD POINT	-78.9	0.0	10.8	21.6	32.4	43.2	54.1	64.9	75.7	86.5
EMISSION RATE	3.7	24.8	16.3	36.3	96.4	196.9	288.9	338.5	368.4	419.9
THROTTLE	13.6	13.6	18.8	21.1	21.7	22.0	22.6	24.0	26.1	28.5
MANIFOLD	19.9	19.9	19.0	17.8	16.5	15.1	13.6	12.1	10.8	9.6
LOAD POINT	97.3	108.1	118.9	129.7	140.5	151.4	162.2	173.0	183.8	194.6
EMISSION RATE	528.4	721.1	995.2	1269.8	1281.0	1259.4	968.3	672.4	445.9	269.6
THROTTLE	31.1	33.3	34.9	35.8	36.4	37.5	39.8	44.9	54.6	72.4
MANIFOLD	8.6	7.9	7.4	7.0	6.8	6.6	6.2	5.4	4.0	1.5
*ENGINE		X5CF86		RPM		TORQUE		G/HR(*.1)		
1975 CHEVR	350.0	ENGINE	RAW CO	MAP		CATALYTIC		CONVERTER		
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	30.6	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4
EMISSION RATE	12.9	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4
LOAD POINT	33.8	34.1	34.5	34.8	35.2	35.5	35.9	36.2	36.6	36.9
EMISSION RATE	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0
SPEED POINT	800.0									
LOAD POINT	-3.8	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4
EMISSION RATE	12.9	23.1	22.7	22.3	21.9	21.6	21.2	20.8	20.4	20.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
LOAD POINT	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1
EMISSION RATE	19.7	19.3	19.0	18.6	18.2	17.8	17.5	17.1	16.7	16.3

THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
SPEED POINT	1000.0									
LOAD POINT	-8.8	0.0	13.2	26.4	39.6	52.9	66.1	79.3	92.5	105.7
EMISSION RATE	12.9	10.8	5.3	5.3	5.7	7.1	8.2	8.5	7.8	6.9
THROTTLE	0.5	0.5	2.0	3.9	6.0	8.1	9.9	11.4	12.5	13.4
MANIFOLD	20.3	20.3	20.5	19.1	16.3	13.2	10.3	7.9	6.2	5.1
LOAD POINT	118.9	132.1	145.4	158.6	171.8	185.0	198.2	211.4	224.6	237.9
EMISSION RATE	6.3	6.5	8.3	13.7	29.9	80.2	231.4	491.1	491.1	420.8
THROTTLE	14.2	15.0	16.2	18.1	21.2	26.0	33.0	43.0	56.7	73.0
MANIFOLD	4.6	4.5	4.6	4.7	4.5	3.9	3.0	1.8	0.6	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.3	0.0	14.2	28.4	42.7	56.9	71.1	85.3	99.5	113.8
EMISSION RATE	12.9	6.1	11.1	16.3	19.1	18.8	16.2	13.1	10.5	9.0
THROTTLE	4.1	4.1	3.2	4.6	7.4	10.8	14.3	17.3	19.5	20.8
MANIFOLD	20.5	20.5	17.1	14.8	13.4	12.4	11.6	10.6	9.6	8.4
LOAD POINT	128.0	142.2	156.4	170.6	184.9	199.1	213.3	227.5	241.8	256.0
EMISSION RATE	8.7	9.9	13.7	23.2	46.9	107.9	257.9	561.2	915.7	915.7
THROTTLE	21.3	21.1	20.7	20.5	21.2	23.7	29.0	38.4	53.1	73.0
MANIFOLD	7.3	6.1	5.1	4.3	3.7	3.3	3.0	2.6	1.7	0.0
SPEED POINT	1500.0									
LOAD POINT	-21.3	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	12.9	20.8	17.3	17.6	18.6	18.5	16.8	14.0	11.1	9.0
THROTTLE	5.0	5.0	6.6	8.4	10.1	11.7	13.1	14.3	15.4	16.4
MANIFOLD	18.8	18.8	16.4	14.9	13.9	13.1	12.4	11.5	10.4	9.3
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.5
EMISSION RATE	9.0	9.0	11.4	19.6	43.5	116.6	335.2	846.1	140.0	1048.8
THROTTLE	17.6	19.0	20.8	23.4	27.0	32.0	38.8	47.7	59.3	73.0
MANIFOLD	8.0	6.8	5.6	4.7	3.9	3.3	2.8	2.4	1.6	0.5
SPEED POINT	1900.0									
LOAD POINT	-31.3	3.1	17.7	32.4	47.1	61.7	76.4	91.0	105.7	120.3
EMISSION RATE	12.9	21.3	15.5	14.6	15.2	15.7	15.4	14.3	13.4	13.4
THROTTLE	7.0	7.0	9.8	11.3	12.0	12.7	13.9	15.7	18.2	20.9
MANIFOLD	18.8	18.8	17.4	16.4	15.6	14.7	13.7	12.6	11.3	10.0
LOAD POINT	135.0	149.7	164.3	179.0	193.6	208.3	223.0	237.6	252.3	266.9
EMISSION RATE	13.4	14.6	21.0	37.5	82.7	211.8	563.1	1294.5	1809.0	1414.1
THROTTLE	23.6	25.6	26.8	27.1	27.2	27.9	30.3	36.4	49.9	73.0
MANIFOLD	8.7	7.4	6.3	5.3	4.5	3.9	3.4	2.8	1.8	0.5
SPEED POINT	2200.0									
LOAD POINT	-38.8	3.1	17.5	31.9	46.3	60.7	75.1	89.4	103.8	118.2
EMISSION RATE	12.9	26.0	15.9	14.2	14.6	15.5	15.7	14.9	14.2	14.2
THROTTLE	7.9	7.9	12.1	14.2	14.9	15.3	16.1	17.5	19.6	22.1
MANIFOLD	19.1	19.1	17.8	16.8	15.9	15.1	14.1	13.1	12.0	10.8
LOAD POINT	132.6	147.0	161.4	175.8	190.2	204.6	219.0	233.3	247.7	262.1
EMISSION RATE	14.2	14.8	21.0	37.7	84.7	225.3	628.3	1508.0	1861.0	1586.8
THROTTLE	24.7	26.9	28.3	29.0	29.4	30.4	33.0	39.0	51.7	73.0
MANIFOLD	9.5	8.3	7.1	6.1	5.1	4.3	3.5	2.7	1.7	0.5
SPEED POINT	2400.0									
LOAD POINT	-43.8	3.1	17.7	32.3	46.9	61.5	76.1	90.7	105.4	120.0
EMISSION RATE	12.9	14.9	12.4	12.9	14.2	15.1	15.2	14.3	13.2	12.5
THROTTLE	10.5	10.5	10.1	11.0	12.8	15.0	17.5	20.0	22.3	24.4
MANIFOLD	20.0	20.0	19.3	18.2	17.0	15.7	14.3	13.0	11.7	10.5
LOAD POINT	134.6	149.2	163.8	178.4	193.0	207.6	222.3	236.9	251.5	266.1
EMISSION RATE	13.1	16.1	24.4	46.2	108.0	291.4	799.0	1824.4	161.0	1611.4
THROTTLE	26.3	28.0	29.5	30.9	32.2	33.7	35.9	40.4	50.3	73.0
MANIFOLD	9.4	8.3	7.3	6.3	5.4	4.5	3.5	2.5	1.5	0.5
SPEED POINT	2800.0									
LOAD POINT	-53.9	3.1	17.7	32.4	47.1	61.8	76.5	91.2	105.9	120.6
EMISSION RATE	12.9	13.8	11.5	11.7	12.9	14.4	15.4	16.0	16.4	17.4
THROTTLE	14.0	14.0	16.0	17.6	19.0	20.5	21.9	23.5	25.3	27.0
MANIFOLD	19.6	19.6	18.3	17.3	16.3	15.3	14.2	13.0	11.8	10.5

LOAD POINT	135.3	150.0	164.6	179.3	194.0	208.7	223.4	238.1	252.8	267.5
EMISSION RATE	20.0	25.9	39.5	71.4	150.8	351.8	816.9	1607.7	132.3	1412.7
THROTTLE	28.8	30.4	32.0	33.4	35.0	37.0	40.0	45.3	54.8	73.0
MANIFOLD	9.3	8.0	6.9	5.9	5.0	4.3	3.5	2.7	1.7	0.2
SPEED POINT	3300.0									
LOAD POINT	-66.4	3.1	15.4	27.8	40.2	52.6	65.0	77.4	89.8	102.1
EMISSION RATE	12.9	12.1	13.9	13.9	13.4	13.2	14.0	16.2	20.3	27.3
THROTTLE	18.0	18.0	18.9	19.9	21.0	22.2	23.5	25.0	26.6	28.2
MANIFOLD	19.3	19.3	18.3	17.5	16.8	16.1	15.2	14.2	13.0	11.8
LOAD POINT	114.5	126.9	139.3	151.7	164.1	176.5	188.8	201.2	213.6	226.0
EMISSION RATE	38.7	56.1	81.6	117.5	166.7	236.7	348.9	568.4	1126.5	2596.0
THROTTLE	29.7	31.2	32.6	33.9	35.4	37.4	40.5	46.0	56.2	73.0
MANIFOLD	10.6	9.5	8.4	7.6	6.8	6.1	5.3	4.3	2.7	0.5
SPEED POINT	3600.0									
LOAD POINT	-78.9	0.0	10.8	21.6	32.4	43.2	54.1	64.9	75.7	86.5
EMISSION RATE	12.9	11.6	11.9	11.9	12.4	13.7	16.3	20.7	27.3	36.7
THROTTLE	13.6	13.6	18.8	21.1	21.7	22.0	22.6	24.0	26.1	28.5
MANIFOLD	19.9	19.9	19.0	17.8	16.5	15.1	13.6	12.1	10.8	9.6
LOAD POINT	97.3	108.1	118.9	129.7	140.5	151.4	162.2	173.0	183.8	194.6
EMISSION RATE	48.9	63.5	79.3	95.8	114.5	142.5	199.8	353.8	923.9	335.0
THROTTLE	31.1	33.3	34.9	35.8	36.4	37.5	39.8	44.9	54.6	72.4
MANIFOLD	8.6	7.9	7.4	7.0	6.8	6.6	6.2	5.4	4.0	1.5
*ENGINE		Y5CFB6		RPM		TORQUE		G/HR		
1975 CHEVR	350.0	ENGINE	RAW HC	MAP		CATALYTIC		CONVERTER		
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	30.6	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4
EMISSION RATE	49.8	49.8	49.3	48.9	48.4	48.0	47.5	47.1	46.6	46.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.4	17.4	17.4
LOAD POINT	33.8	34.1	34.5	34.8	35.2	35.5	35.9	36.2	36.6	36.9
EMISSION RATE	45.7	45.3	44.8	44.4	43.9	43.5	43.0	42.6	42.1	41.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0
SPEED POINT	800.0									
LOAD POINT	-3.8	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4
EMISSION RATE	49.8	58.8	58.7	58.6	58.5	58.4	58.3	58.2	58.1	58.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
LOAD POINT	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1
EMISSION RATE	57.9	57.8	57.7	57.6	57.5	57.4	57.2	57.1	57.0	56.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
SPEED POINT	1000.0									
LOAD POINT	-8.8	0.0	13.2	26.4	39.6	52.9	66.1	79.3	92.5	105.7
EMISSION RATE	49.8	49.4	32.0	29.8	33.4	35.8	46.7	51.7	53.2	51.7
THROTTLE	0.5	0.5	2.0	3.9	6.0	8.1	9.9	11.4	12.5	13.4
MANIFOLD	20.3	20.3	20.5	19.1	16.3	13.2	10.3	7.9	6.2	5.1
LOAD POINT	118.9	132.1	145.4	158.6	171.8	185.0	198.2	211.4	224.6	237.9
EMISSION RATE	48.6	45.9	45.1	47.6	54.9	69.0	91.6	120.4	132.9	124.5
THROTTLE	14.2	15.0	16.2	18.1	21.2	26.0	33.0	43.0	56.7	73.0
MANIFOLD	4.6	4.5	4.6	4.7	4.5	3.9	3.0	1.8	0.6	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.3	0.0	14.2	28.4	42.7	56.9	71.1	85.3	99.5	113.8
EMISSION RATE	49.8	28.4	63.8	95.2	106.1	97.3	79.9	62.9	49.9	41.7
THROTTLE	4.1	4.1	3.2	4.6	7.4	10.8	14.3	17.3	19.5	20.8
MANIFOLD	20.5	20.5	17.1	14.8	13.4	12.4	11.6	10.6	9.6	8.4
LOAD POINT	128.0	142.2	156.4	170.6	184.9	199.1	213.3	227.5	241.8	256.0
EMISSION RATE	37.6	37.1	40.2	47.7	60.8	81.2	110.2	146.0	180.4	197.7
THROTTLE	21.3	21.1	20.7	20.5	21.2	23.7	29.0	38.4	53.1	73.0
MANIFOLD	7.3	6.1	5.1	4.3	3.7	3.3	3.0	2.6	1.7	0.0

SPEED POINT	1500.0									
LOAD POINT	-21.3	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	49.8	518.7	257.8	151.7	104.9	79.7	63.8	52.9	45.2	40.2
THROTTLE	5.0	5.0	6.6	8.4	10.1	11.7	13.1	14.3	15.4	16.4
MANIFOLD	18.8	18.8	16.4	14.9	13.9	13.1	12.4	11.5	10.4	9.3
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.5
EMISSION RATE	37.6	37.9	41.4	49.7	64.9	90.2	127.6	171.0	196.0	167.2
THROTTLE	17.6	19.0	20.8	23.4	27.0	32.0	38.8	47.7	59.3	73.0
MANIFOLD	8.0	6.8	5.6	4.7	3.9	3.3	2.8	2.4	1.6	0.5
SPEED POINT	1900.0									
LOAD POINT	-31.3	3.1	17.7	32.4	47.1	61.7	76.4	91.0	105.7	120.3
EMISSION RATE	49.8	325.8	126.5	71.9	52.5	44.9	41.9	40.9	41.0	41.9
THROTTLE	7.0	7.0	9.8	11.3	12.0	12.7	13.9	15.7	18.2	20.9
MANIFOLD	18.8	18.8	17.4	16.4	15.6	14.7	13.7	12.6	11.3	10.0
LOAD POINT	135.0	149.7	164.3	179.0	193.6	208.3	223.0	237.6	252.3	266.9
EMISSION RATE	43.7	47.2	53.4	63.8	81.0	108.2	148.5	199.9	246.2	250.8
THROTTLE	23.6	25.6	26.8	27.1	27.2	27.9	30.3	36.4	49.9	73.0
MANIFOLD	8.7	7.4	6.3	5.3	4.5	3.9	3.4	2.8	1.8	0.5
SPEED POINT	2200.0									
LOAD POINT	-38.8	3.1	17.5	31.9	46.3	60.7	75.1	89.4	103.8	118.2
EMISSION RATE	49.8	443.8	86.9	39.5	31.7	31.7	36.8	44.1	50.7	55.1
THROTTLE	7.9	7.9	12.1	14.2	14.9	15.3	16.1	17.5	19.6	22.1
MANIFOLD	19.1	19.1	17.8	16.8	15.9	15.1	14.1	13.1	12.0	10.8
LOAD POINT	132.6	147.0	161.4	175.8	190.2	204.6	219.0	233.3	247.7	262.1
EMISSION RATE	57.2	58.3	60.7	67.0	80.5	105.9	148.7	208.7	260.6	242.2
THROTTLE	24.7	26.9	28.3	29.0	29.4	30.4	33.0	39.0	51.7	73.0
MANIFOLD	9.5	8.3	7.1	6.1	5.1	4.3	3.5	2.7	1.7	0.5
SPEED POINT	2400.0									
LOAD POINT	-43.8	3.1	17.7	32.3	46.9	61.5	76.1	90.7	105.4	120.0
EMISSION RATE	49.8	54.4	21.3	21.2	21.2	24.8	33.5	42.3	48.5	50.5
THROTTLE	10.5	10.5	10.1	11.0	12.8	15.0	17.5	20.0	22.3	24.4
MANIFOLD	20.0	20.0	19.3	18.2	17.0	15.7	14.3	13.0	11.7	10.5
LOAD POINT	134.6	149.2	163.8	178.4	193.0	207.6	222.3	236.9	251.5	266.1
EMISSION RATE	49.6	48.1	48.6	53.7	67.0	94.2	143.8	217.6	280.3	244.9
THROTTLE	26.3	28.0	29.5	30.9	32.2	33.7	35.9	40.4	50.3	73.0
MANIFOLD	9.4	8.3	7.3	6.3	5.4	4.5	3.5	2.5	1.5	0.5
SPEED POINT	2800.0									
LOAD POINT	-53.9	3.1	17.7	32.4	47.1	61.8	76.5	91.2	105.9	120.6
EMISSION RATE	49.8	22.8	15.4	14.8	16.8	20.0	23.2	25.5	26.4	26.5
THROTTLE	14.0	14.0	16.0	17.6	19.0	20.5	21.9	23.5	25.3	27.0
MANIFOLD	19.6	19.6	18.3	17.3	16.3	15.3	14.2	13.0	11.8	10.5
LOAD POINT	135.3	150.0	164.6	179.3	194.0	208.7	223.4	238.1	252.8	267.5
EMISSION RATE	26.8	28.3	32.7	42.3	61.7	98.9	164.0	251.5	301.3	224.3
THROTTLE	28.8	30.4	32.0	33.4	35.0	37.0	40.0	45.3	54.8	73.0
MANIFOLD	9.3	8.0	6.9	5.9	5.0	4.3	3.5	2.7	1.7	0.2
SPEED POINT	3300.0									
LOAD POINT	-66.4	3.1	15.4	27.8	40.2	52.6	65.0	77.4	89.8	102.1
EMISSION RATE	49.8	10.3	9.2	9.3	10.6	12.5	14.9	17.4	20.0	22.4
THROTTLE	18.0	18.0	18.9	19.9	21.0	22.2	23.5	25.0	26.6	28.2
MANIFOLD	19.3	19.3	18.3	17.5	16.8	16.1	15.2	14.2	13.0	11.8
LOAD POINT	114.5	126.9	139.3	151.7	164.1	176.5	188.8	201.2	213.6	226.0
EMISSION RATE	24.9	27.9	32.1	38.6	49.1	66.8	97.1	148.9	235.0	353.4
THROTTLE	29.7	31.2	32.6	33.9	35.4	37.4	40.5	46.0	56.2	73.0
MANIFOLD	10.6	9.5	8.4	7.6	6.8	6.1	5.3	4.3	2.7	0.5
SPEED POINT	3800.0									
LOAD POINT	-78.9	0.0	10.8	21.6	32.4	43.2	54.1	64.9	75.7	86.5
EMISSION RATE	49.8	12.1	5.4	4.7	5.8	8.6	12.6	17.2	20.8	22.3
THROTTLE	13.6	13.6	18.8	21.1	21.7	22.0	22.6	24.0	26.1	28.5
MANIFOLD	19.9	19.9	19.0	17.8	16.5	15.1	13.6	12.1	10.8	9.6
LOAD POINT	97.3	108.1	118.9	129.7	140.5	151.4	162.2	173.0	183.8	194.6
EMISSION RATE	21.9	20.7	20.0	21.1	25.7	37.4	65.8	136.5	310.1	602.2

THROTTLE	31.1	33.3	34.9	35.8	36.4	37.5	39.8	44.9	54.6	72.4
MANIFOLD	8.6	7.9	7.4	7.0	6.8	6.6	6.2	5.4	4.0	1.5
*ENGINE	Z5CFB6		RPM		TORQUE		G/HR			
1975 CHEVR	350.0	ENGINE	RAW	NOX	MAP	CATALYTIC		CONVERTER		
DATA	4.000	3.480	8.	650.	3800.	.1010	.7157			
SPEED POINT	650.0									
LOAD PCINT	0.0	30.6	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4
EMISSION RATE	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4
LOAD POINT	33.8	34.1	34.5	34.8	35.2	35.5	35.9	36.2	36.6	36.9
EMISSION RATE	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0
SPEED POINT	800.0									
LOAD POINT	-3.8	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4
EMISSION RATE	3.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
LOAD POINT	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9	3.1
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
SPEED POINT	1000.0									
LOAD PCINT	-8.8	0.0	13.2	26.4	39.6	52.9	66.1	79.3	92.5	105.7
EMISSION RATE	3.8	3.4	3.5	8.1	14.1	15.4	13.0	11.5	13.2	20.9
THROTTLE	0.5	0.5	2.0	3.9	6.0	8.1	9.9	11.4	12.5	13.4
MANIFOLD	20.3	20.3	20.5	19.1	16.3	13.2	10.3	7.9	6.2	5.1
LOAD POINT	118.9	132.1	145.4	158.6	171.8	185.0	198.2	211.4	224.6	237.9
EMISSION RATE	41.0	82.1	135.1	160.3	138.7	104.0	89.1	108.4	164.2	123.6
THROTTLE	14.2	15.0	16.2	18.1	21.2	26.0	33.0	43.0	56.7	73.0
MANIFOLD	4.6	4.5	4.6	4.7	4.5	3.9	3.0	1.8	0.6	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.3	0.0	14.2	28.4	42.7	56.9	71.1	85.3	99.5	113.8
EMISSION RATE	3.8	3.1	9.2	15.4	18.1	17.8	17.0	17.5	20.5	27.8
THROTTLE	4.1	4.1	3.2	4.6	7.4	10.8	14.3	17.3	19.5	20.8
MANIFOLD	20.5	20.5	17.1	14.8	13.4	12.4	11.6	10.6	9.6	8.4
LOAD PCINT	128.0	142.2	156.4	170.6	184.9	199.1	213.3	227.5	241.8	256.0
EMISSION RATE	42.1	67.3	104.8	146.1	170.0	160.4	127.2	96.8	92.3	170.1
THROTTLE	21.3	21.1	20.7	20.5	21.2	23.7	29.0	38.4	53.1	73.0
MANIFOLD	7.3	6.1	5.1	4.3	3.7	3.3	3.0	2.6	1.7	0.0
SPEED POINT	1500.0									
LOAD POINT	-21.3	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	3.8	2.5	5.0	11.0	20.4	30.2	37.2	41.6	46.4	55.8
THROTTLE	5.0	5.0	6.6	8.4	10.1	11.7	13.1	14.3	15.4	16.4
MANIFOLD	18.8	18.8	16.4	14.9	13.9	13.1	12.4	11.5	10.4	9.3
LOAD PCINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.5
EMISSION RATE	74.4	108.7	162.8	227.2	263.9	240.1	166.3	99.5	70.7	107.7
THROTTLE	17.6	19.0	20.8	23.4	27.0	32.0	38.8	47.7	59.3	73.0
MANIFOLD	8.0	6.8	5.6	4.7	3.9	3.3	2.8	2.4	1.6	0.5
SPEED POINT	1900.0									
LOAD POINT	-31.3	3.1	17.7	32.4	47.1	61.7	76.4	91.0	105.7	120.3
EMISSION RATE	3.8	9.2	9.2	12.0	19.4	34.8	61.9	100.5	145.1	189.8
THROTTLE	7.0	7.0	9.8	11.3	12.0	12.7	13.9	15.7	18.2	20.9
MANIFOLD	18.8	18.8	17.4	16.4	15.6	14.7	13.7	12.6	11.3	10.0
LOAD POINT	135.0	149.7	164.3	179.0	193.6	208.3	223.0	237.6	252.3	266.9
EMISSION RATE	234.1	283.0	338.3	386.3	390.4	318.5	199.9	106.3	70.4	140.3
THROTTLE	23.6	25.6	26.8	27.1	27.2	27.9	30.3	36.4	49.9	73.0
MANIFOLD	8.7	7.4	6.3	5.3	4.5	3.9	3.4	2.8	1.8	0.5
SPEED POINT	2200.0									
LOAD POINT	-38.8	3.1	17.5	31.9	46.3	60.7	75.1	89.4	103.8	118.2

EMISSION RATE	3.8	14.7	13.3	21.7	40.7	71.0	109.3	152.7	203.8	270.4
THROTTLE	7.9	7.9	12.1	14.2	14.9	15.3	16.1	17.5	19.6	22.1
MANIFCLO	19.1	19.1	17.8	16.8	15.9	15.1	14.1	13.1	12.0	10.8
LOAD POINT	132.6	147.0	161.4	175.8	190.2	204.6	219.0	233.3	247.7	262.1
EMISSION RATE	360.4	469.9	478.9	478.9	478.9	333.7	190.4	109.7	88.4	166.5
THROTTLE	24.7	26.9	28.3	29.0	29.4	30.4	33.0	39.0	51.7	73.0
MANIFOLO	9.5	8.3	7.1	6.1	5.1	4.3	3.5	2.7	1.7	0.5
SPEED POINT	2400.0									
LOAD POINT	-43.8	3.1	17.7	32.3	46.9	61.5	76.1	90.7	105.4	120.0
EMISSION RATE	3.8	13.7	53.4	45.2	40.4	58.7	122.0	267.9	484.8	655.0
THROTTLE	10.5	10.5	10.1	11.0	12.8	15.0	17.5	20.0	22.3	24.4
MANIFCLO	20.0	20.0	19.3	18.2	17.0	15.7	14.3	13.0	11.7	10.5
LOAD POINT	134.6	149.2	163.8	178.4	193.0	207.6	222.3	236.9	251.5	266.1
EMISSION RATE	682.7	662.3	648.4	678.2	682.7	541.6	273.2	95.9	52.9	412.1
THROTTLE	26.3	28.0	29.5	30.9	32.2	33.7	35.9	40.4	50.3	73.0
MANIFOLD	9.4	8.3	7.3	6.3	5.4	4.5	3.5	2.5	1.5	0.5
SPEED POINT	2800.0									
LOAD POINT	-53.9	3.1	17.7	32.4	47.1	61.8	76.5	91.2	105.9	120.6
EMISSION RATE	3.8	18.4	38.9	48.2	61.2	93.1	158.0	261.6	385.4	495.0
THROTTLE	14.0	14.0	16.0	17.6	19.0	20.5	21.9	23.5	22.3	24.0
MANIFOLD	19.6	19.6	18.3	17.3	16.3	15.3	14.2	13.0	11.8	10.5
LOAD POINT	135.3	150.0	164.6	179.3	194.0	208.7	223.4	238.1	252.8	267.5
EMISSION RATE	577.7	654.3	750.1	853.0	874.1	700.6	398.9	182.0	121.5	513.2
THROTTLE	28.8	30.4	32.0	33.4	35.0	37.0	40.0	45.3	54.8	73.0
MANIFCLO	9.3	8.0	6.9	5.9	5.0	4.3	3.5	2.7	1.7	0.2
SPEED POINT	3300.0									
LOAD POINT	-66.4	3.1	15.4	27.8	40.2	52.6	65.0	77.4	89.8	102.1
EMISSION RATE	3.8	34.5	52.4	69.2	96.4	145.2	224.2	331.7	449.1	550.0
THROTTLE	18.0	18.0	18.9	19.9	21.0	22.2	23.5	25.0	26.6	28.2
MANIFOLD	19.3	19.3	18.3	17.5	16.8	16.1	15.2	14.2	13.0	11.8
LOAD POINT	114.5	126.9	139.3	151.7	164.1	176.5	188.8	201.2	213.6	226.0
EMISSION RATE	621.6	673.7	727.7	800.2	887.9	957.1	952.2	853.7	740.3	611.4
THROTTLE	29.7	31.2	32.6	33.9	35.4	37.4	40.5	46.0	56.2	73.0
MANIFCLO	10.6	9.5	8.4	7.6	6.8	6.1	5.3	4.3	2.7	0.5
SPEED POINT	3800.0									
LOAD POINT	-78.9	0.0	10.8	21.6	32.4	43.2	54.1	64.9	75.7	86.5
EMISSION RATE	3.8	43.6	57.2	66.3	89.2	141.1	235.6	369.5	507.0	605.2
THROTTLE	13.6	13.6	18.8	21.1	21.7	22.0	22.6	24.0	26.1	28.5
MANIFCLO	19.9	19.9	19.0	17.8	16.5	15.1	13.6	12.1	10.8	9.6
LOAD POINT	97.3	108.1	118.9	129.7	140.5	151.4	162.2	173.0	183.8	194.6
EMISSION RATE	660.2	709.2	800.5	968.8	1202.3	1304.0	1274.7	888.7	526.9	446.9
THROTTLE	31.1	33.3	34.9	35.8	36.4	37.5	39.8	44.9	54.6	72.4
MANIFOLD	8.6	7.9	7.4	7.0	6.8	6.6	6.2	5.4	4.0	1.5

A.8 1975 BUICK 455 CID (7.46 LITER), 4BBL

*ENGINE	F5BDC6	RPM	TORQUE		LB/HR						
1975 BUICK	ENGINE	FUEL	MAP	CATALYTIC	CONVERTER						
DATA 4 BBL	455.0	8.	600.	3800.	.1200	.7126					
SPEED POINT	600.0										
LOAD POINT	0.0	1.7	6.0	10.2	14.4	18.6	22.8	27.1	31.3	35.5	
FUEL RATE	4.5	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.5	5.7	
THROTTLE	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.8	1.0	
MANIFOLD	17.7	17.7	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.3	
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.8	65.1	69.3	73.5	77.7	
FUEL RATE	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	6.9	
THROTTLE	1.2	1.4	1.6	1.9	2.2	2.4	2.8	3.1	3.4	3.8	
MANIFOLD	15.0	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1	
SPEED POINT	700.0										
LOAD POINT	-2.5	1.0	4.8	8.6	12.5	16.3	20.1	23.9	27.7	31.5	
FUEL RATE	4.5	5.0	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.8	
THROTTLE	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7	
MANIFOLD	17.9	17.9	17.5	17.1	16.7	16.3	16.0	15.6	15.3	15.0	
LOAD POINT	35.4	39.2	43.0	46.8	50.6	54.4	58.3	62.1	65.9	69.7	
FUEL RATE	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.7	7.8	7.8	
THROTTLE	1.9	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	
MANIFOLD	14.7	14.5	14.2	14.0	13.8	13.6	13.4	13.2	13.1	12.9	
SPEED POINT	800.0										
LOAD POINT	-5.0	2.0	19.8	37.6	55.4	73.1	90.9	108.7	126.5	144.2	
FUEL RATE	4.5	6.1	7.0	8.0	8.9	9.9	10.8	11.8	12.7	13.6	
THROTTLE	1.5	1.5	2.6	4.1	5.8	7.5	9.1	10.7	12.2	13.7	
MANIFOLD	18.4	18.4	17.3	15.2	12.8	10.3	8.2	6.4	5.2	4.3	
LOAD POINT	162.0	179.8	197.6	215.3	233.1	250.9	268.7	286.5	304.2	322.0	
FUEL RATE	14.6	15.6	16.7	17.8	19.0	20.3	21.8	23.5	25.4	26.4	
THROTTLE	15.2	16.7	17.9	18.9	19.5	20.0	21.0	24.3	34.4	69.9	
MANIFOLD	3.9	3.7	3.6	3.5	3.3	2.9	2.2	1.4	0.6	0.2	
SPEED POINT	1500.0										
LOAD POINT	-22.5	6.0	24.3	42.5	60.8	79.1	97.4	115.7	134.0	152.2	
FUEL RATE	4.5	11.6	13.4	15.0	16.3	17.5	18.7	20.1	21.8	23.7	
THROTTLE	7.9	7.9	9.6	11.2	12.7	13.9	15.1	16.5	18.2	20.4	
MANIFOLD	17.0	17.0	15.8	14.8	13.9	13.1	12.0	10.8	9.5	8.0	
LOAD POINT	170.5	188.8	207.1	225.4	243.6	261.9	280.2	298.5	316.8	335.0	
FUEL RATE	26.0	28.6	31.5	34.6	38.0	41.4	44.8	48.0	50.9	52.8	
THROTTLE	22.9	25.9	29.0	31.7	33.9	35.3	36.7	39.5	47.3	70.0	
MANIFOLD	6.6	5.3	4.2	3.4	2.9	2.6	2.5	2.3	1.7	0.3	
SPEED POINT	2000.0										
LOAD POINT	-35.0	9.0	27.1	45.1	63.2	81.3	99.3	117.4	135.5	153.6	
FUEL RATE	4.5	15.1	17.6	19.7	21.2	22.5	23.9	25.6	27.8	30.5	
THROTTLE	10.9	10.9	12.9	14.6	16.0	17.2	18.5	19.9	21.7	24.0	
MANIFOLD	18.0	18.0	16.6	15.7	15.0	14.2	13.3	12.2	10.9	9.4	
LOAD POINT	171.6	189.7	207.8	225.9	243.9	262.0	280.1	298.1	316.2	334.3	
FUEL RATE	33.9	38.0	42.6	47.6	52.8	58.0	62.9	67.1	70.1	70.2	
THROTTLE	26.7	30.0	33.4	36.8	39.7	42.2	44.5	47.7	54.2	70.0	
MANIFOLD	7.9	6.5	5.2	4.1	3.4	2.9	2.5	2.2	1.7	0.5	
SPEED POINT	2500.0										
LOAD POINT	-47.5	9.9	27.6	45.3	63.0	80.7	98.3	116.0	133.7	151.4	
FUEL RATE	4.5	18.7	21.3	23.7	25.7	27.6	29.7	32.2	35.2	38.8	
THROTTLE	14.5	14.5	16.2	18.1	19.9	21.4	22.7	24.2	26.0	28.3	
MANIFOLD	18.5	18.5	17.2	16.2	15.4	14.6	13.7	12.6	11.4	10.0	
LOAD POINT	169.0	186.7	204.4	222.1	239.8	257.4	275.1	292.8	310.5	328.1	
FUEL RATE	43.0	47.8	53.2	59.0	65.0	71.2	77.1	82.4	86.9	90.0	
THROTTLE	31.3	34.9	38.9	42.7	45.7	47.4	48.2	49.3	54.0	69.9	
MANIFOLD	8.6	7.2	6.0	4.8	3.9	3.2	2.7	2.3	1.7	0.9	
SPEED POINT	3000.0										
LOAD POINT	-60.0	13.0	29.8	46.6	63.4	80.3	97.1	113.9	130.7	147.6	
FUEL RATE	4.5	22.9	26.5	29.6	32.4	35.1	38.1	41.3	45.0	49.2	
THROTTLE	15.5	15.5	19.0	21.1	22.2	23.0	24.0	25.5	27.7	30.7	



MANIFOLD	18.5	18.5	17.3	16.3	15.4	14.6	13.6	12.6	11.4	10.2
LOAD POINT	164.4	181.2	198.0	214.9	231.7	248.5	265.3	282.2	299.0	315.8
FUEL RATE	54.0	59.3	65.1	71.3	77.7	84.2	90.5	96.5	101.7	105.9
THROTTLE	34.3	38.3	42.3	45.8	48.4	50.1	51.4	53.3	58.0	69.9
MANIFOLD	8.9	7.5	6.3	5.1	4.0	3.1	2.4	1.9	1.4	1.0
SPEED POINT	3500.0									
LOAD POINT	-72.5	11.1	26.1	41.1	56.0	71.0	85.9	100.9	115.9	130.8
FUEL RATE	4.5	26.6	30.4	33.7	36.3	38.8	41.4	44.3	47.9	52.2
THROTTLE	13.5	13.5	16.5	18.7	20.1	21.3	22.5	24.0	26.0	28.7
MANIFOLD	19.0	19.0	17.5	16.4	15.5	14.8	14.0	13.2	12.2	11.2
LOAD POINT	145.8	160.8	175.7	190.7	205.6	220.6	235.6	250.5	265.5	280.5
FUEL RATE	57.3	63.2	69.7	76.8	84.1	91.4	98.4	104.5	109.3	111.9
THROTTLE	32.0	35.9	40.0	44.2	47.9	51.0	53.6	56.4	60.8	69.9
MANIFOLD	10.1	8.9	7.7	6.4	5.3	4.2	3.3	2.6	2.1	1.7
SPEED POINT	3800.0									
LOAD POINT	-80.0	7.0	21.4	35.7	50.0	64.4	78.7	93.1	107.4	121.8
FUEL RATE	4.5	28.7	38.7	48.5	53.1	54.8	55.4	56.5	59.2	64.2
THROTTLE	14.1	14.1	16.2	18.0	19.5	21.0	22.6	24.5	26.7	29.3
MANIFOLD	18.0	18.0	17.2	16.6	16.0	15.4	14.7	13.8	12.9	11.9
LOAD POINT	136.1	150.5	164.8	179.2	193.5	207.8	222.2	236.5	250.9	265.2
FUEL RATE	71.9	82.2	94.8	108.9	123.2	136.2	145.9	150.0	145.8	130.1
THROTTLE	32.3	35.6	39.2	42.8	46.3	49.5	52.6	55.8	59.9	66.0
MANIFOLD	10.7	9.5	8.3	7.0	5.8	4.6	3.5	2.6	1.7	1.0
*ENGINE		C58DC6		RPM		TORQUE		G/HR(*.1)		
1975 BUICK	455.0	ENGINE	CO	MAP		CATALYTIC		CONVERTER		
DATA	4.313	3.900	8.	600.	3800.	.1200	.7126			
SPEED POINT	600.0									
LOAD POINT	0.0	1.7	6.0	10.2	14.4	18.6	22.8	27.1	31.3	35.5
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.8	1.0
MANIFOLD	17.7	17.7	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.8	65.1	69.3	73.5	77.7
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	1.2	1.4	1.6	1.9	2.2	2.4	2.8	3.1	3.4	3.8
MANIFOLD	15.0	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1
SPEED POINT	700.0									
LOAD POINT	-2.5	1.0	4.8	8.6	12.5	16.3	20.1	23.9	27.7	31.5
EMISSION RATE	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
THROTTLE	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7
MANIFOLD	17.9	17.9	17.5	17.1	16.7	16.3	16.0	15.6	15.3	15.0
LOAD POINT	35.4	39.2	43.0	46.8	50.6	54.4	58.3	62.1	65.9	69.7
EMISSION RATE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
THROTTLE	1.9	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6
MANIFOLD	14.7	14.5	14.2	14.0	13.8	13.6	13.4	13.2	13.1	12.9
SPEED POINT	800.0									
LOAD POINT	-5.0	2.0	19.8	37.6	55.4	73.1	90.9	108.7	126.5	144.2
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.6	1.2	2.3
THROTTLE	1.5	1.5	2.6	4.1	5.8	7.5	9.1	10.7	12.2	13.7
MANIFOLD	18.4	18.4	17.3	15.2	12.8	10.3	8.2	6.4	5.2	4.3
LOAD POINT	162.0	179.8	197.6	215.3	233.1	250.9	268.7	286.5	304.2	322.0
EMISSION RATE	4.6	9.2	19.3	41.8	92.7	203.7	415.5	710.8	802.9	647.2
THROTTLE	15.2	16.7	17.9	18.9	19.5	20.0	21.0	24.3	34.4	69.9
MANIFOLD	3.9	3.7	3.6	3.5	3.3	2.9	2.2	1.4	0.6	0.2
SPEED POINT	1500.0									
LOAD POINT	-22.5	6.0	24.3	42.5	60.8	79.1	97.4	115.7	134.0	152.2
EMISSION RATE	0.1	0.1	0.2	0.4	0.9	2.4	5.9	13.8	29.2	56.0
THROTTLE	7.9	7.9	9.6	11.2	12.7	13.9	15.1	16.5	18.2	20.4
MANIFOLD	17.0	17.0	15.8	14.8	13.9	13.1	12.0	10.8	9.5	8.0
LOAD POINT	170.5	188.8	207.1	225.4	243.6	261.9	280.2	298.5	316.8	335.0
EMISSION RATE	98.3	160.6	250.0	378.7	566.1	837.5	1209.6	1645.5	1980.6	1918.7
THROTTLE	22.9	25.9	29.0	31.7	33.9	35.3	36.7	39.5	47.3	70.0

MANIFOLD	6.6	5.3	4.2	3.4	2.9	2.6	2.5	2.3	1.7	0.3
SPEED POINT 2000.0										
LCAD POINT	-35.0	9.0	27.1	45.1	63.2	81.3	99.3	117.4	135.5	153.6
EMISSION RATE	0.1	3.8	1.7	2.4	5.9	16.6	42.0	83.4	125.8	150.4
THROTTLE	10.9	10.9	12.9	14.6	16.0	17.2	18.5	19.9	21.7	24.0
MANIFOLD	18.0	18.0	16.6	15.7	15.0	14.2	13.3	12.2	10.9	9.4
LOAD POINT	171.6	189.7	207.8	225.9	243.9	262.0	280.1	298.1	316.2	334.3
EMISSION RATE	156.2	158.6	177.2	240.1	413.8	885.6	2086.6	2966.0	2966.0	245.0
THROTTLE	26.7	30.0	33.4	36.8	39.7	42.2	44.5	47.7	54.2	70.0
MANIFOLD	7.9	6.5	5.2	4.1	3.4	2.9	2.5	2.2	1.7	0.5
SPEED POINT 2500.0										
LOAD POINT	-47.5	9.9	27.6	45.3	63.0	80.7	98.3	116.0	133.7	151.4
EMISSION RATE	0.1	1.3	3.0	6.7	13.8	26.2	45.4	72.6	109.0	157.5
THROTTLE	14.5	14.5	16.2	18.1	19.9	21.4	22.7	24.2	26.0	28.3
MANIFOLD	18.5	18.5	17.2	16.2	15.4	14.6	13.7	12.6	11.4	10.0
LOAD POINT	169.0	186.7	204.4	222.1	239.8	257.4	275.1	292.8	310.5	328.1
EMISSION RATE	224.2	321.9	473.5	718.0	1114.5	1728.9	2562.2	3052.0	3052.0	2741.7
THROTTLE	31.3	34.9	38.9	42.7	45.7	47.4	48.2	49.3	54.0	69.9
MANIFOLD	8.6	7.2	6.0	4.8	3.9	3.2	2.7	2.3	1.7	0.9
SPEED POINT 3000.0										
LCAD POINT	-60.0	13.0	29.8	46.6	63.4	80.3	97.1	113.9	130.7	147.6
EMISSION RATE	0.1	85.1	84.3	95.8	118.4	153.4	202.8	269.2	355.8	466.9
THROTTLE	15.5	15.5	19.0	21.1	22.2	23.0	24.0	25.5	27.7	30.7
MANIFOLD	18.5	18.5	17.3	16.3	15.4	14.6	13.6	12.6	11.4	10.2
LOAD POINT	164.4	181.2	198.0	214.9	231.7	248.5	265.3	282.2	299.0	315.8
EMISSION RATE	609.1	792.8	1032.9	1348.6	1760.2	2276.8	2871.2	3438.0	3756.0	3572.0
THROTTLE	34.3	38.3	42.3	45.8	48.4	50.1	51.4	53.3	58.0	69.9
MANIFOLD	8.9	7.5	6.3	5.1	4.0	3.1	2.4	1.9	1.4	1.0
SPEED POINT 3500.0										
LOAD POINT	-72.5	11.1	26.1	41.1	56.0	71.0	85.9	100.9	115.9	130.8
EMISSION RATE	0.1	235.3	258.4	284.3	313.3	346.9	387.6	439.0	506.6	598.1
THROTTLE	13.5	13.5	16.5	18.7	20.1	21.3	22.5	24.0	26.0	28.7
MANIFOLD	19.0	19.0	17.5	16.4	15.5	14.8	14.0	13.2	12.2	11.2
LCAD POINT	145.8	160.8	175.7	190.7	205.6	220.6	235.6	250.5	265.5	280.5
EMISSION RATE	724.1	899.0	1140.6	1468.0	1892.9	2401.6	2925.1	3332.6	3339.6	2883.0
THROTTLE	32.0	35.9	40.0	44.2	47.9	51.0	53.6	56.4	60.8	69.9
MANIFOLD	10.1	8.9	7.7	6.4	5.3	4.2	3.3	2.6	2.1	1.7
SPEED POINT 3800.0										
LCAD POINT	-80.0	7.0	21.4	35.7	50.0	64.4	78.7	93.1	107.4	121.8
EMISSION RATE	0.1	290.6	320.1	378.1	455.0	541.0	627.7	710.7	793.4	887.5
THROTTLE	14.1	14.1	16.2	18.0	19.5	21.0	22.6	24.5	26.7	29.3
MANIFOLD	18.0	18.0	17.2	16.6	16.0	15.4	14.7	13.8	12.9	11.9
LOAD POINT	136.1	150.5	164.8	179.2	193.5	207.8	222.2	236.5	250.9	265.2
FUEL RATE	1013.2	1200.8	1494.7	1959.3	2678.2	3717.8	5002.9	6081.7	6054.4	336.2
THROTTLE	32.3	35.6	39.2	42.8	46.3	49.5	52.6	55.8	59.9	66.0
MANIFOLD	10.7	9.5	8.3	7.0	5.8	4.6	3.5	2.6	1.7	1.0
*ENGINE	H5BDC6		RPM		TORQUE		G/HR			
1975 BUICK	455.0	ENGINE	HC	MAP	CATALYTIC	CONVERTER				
DATA	4.313	3.900	8.	600.	3800.	.1200	.7126			
SPEED POINT 600.0										
LOAD POINT	0.0	1.7	6.0	10.2	14.4	18.6	22.8	27.1	31.3	35.5
EMISSION RATE	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
THROTTLE	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.8	1.0
MANIFOLD	17.7	17.7	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.8	65.1	69.3	73.5	77.7
EMISSION RATE	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.5
THROTTLE	1.2	1.4	1.6	1.9	2.2	2.4	2.8	3.1	3.4	3.8
MANIFOLD	15.0	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1
SPEED POINT 700.0										
LOAD POINT	-2.5	1.0	4.8	8.6	12.5	16.3	20.1	23.9	27.7	31.5
EMISSION RATE	3.1	2.1	2.3	2.5	2.6	2.8	2.9	3.0	3.1	3.1

THROTTLE	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7
MANIFOLD	17.9	17.9	17.5	17.1	16.7	16.3	16.0	15.6	15.3	15.0
LOAD POINT	35.4	39.2	43.0	46.8	50.6	54.4	58.3	62.1	65.9	69.7
EMISSION RATE	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.3	3.3	3.3
THROTTLE	1.9	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6
MANIFOLD	14.7	14.5	14.2	14.0	13.8	13.6	13.4	13.2	13.1	12.9
SPEED POINT	600.0									
LOAD POINT	-5.0	2.0	19.8	37.6	55.4	73.1	90.9	108.7	126.5	144.2
EMISSION RATE	3.1	3.1	3.3	4.0	4.7	4.9	4.4	3.5	2.6	1.9
THROTTLE	1.5	1.5	2.6	4.1	5.8	7.5	9.1	10.7	12.2	13.7
MANIFOLD	18.4	18.4	17.3	15.2	12.8	10.3	8.2	6.4	5.2	4.3
LOAD POINT	162.0	179.8	197.6	215.3	233.1	250.9	268.7	286.5	304.2	322.0
EMISSION RATE	1.6	1.7	2.2	4.0	9.5	27.5	82.2	173.0	173.0	120.6
THROTTLE	15.2	16.7	17.9	18.9	19.5	20.0	21.0	24.3	34.4	69.9
MANIFOLD	3.9	3.7	3.6	3.5	3.3	2.9	2.2	1.4	0.6	0.2
SPEED POINT	1500.0									
LOAD POINT	-22.5	6.0	24.3	42.5	60.8	79.1	97.4	115.7	134.0	152.2
EMISSION RATE	3.1	0.6	1.4	2.1	2.2	1.9	1.6	1.3	1.2	1.3
THROTTLE	7.9	7.9	9.6	11.2	12.7	13.9	15.1	16.5	18.2	20.4
MANIFOLD	17.0	17.0	15.8	14.8	13.9	13.1	12.0	10.8	9.5	8.0
LOAD POINT	170.5	188.8	207.1	225.4	243.6	261.9	280.2	298.5	316.8	335.0
EMISSION RATE	1.7	2.8	5.4	12.2	30.0	74.8	168.2	274.7	274.7	236.6
THROTTLE	22.9	25.9	29.0	31.7	33.9	35.3	36.7	39.5	47.3	70.0
MANIFOLD	6.6	5.3	4.2	3.4	2.9	2.6	2.5	2.3	1.7	0.3
SPEED POINT	2000.0									
LOAD POINT	-35.0	9.0	27.1	45.1	63.2	81.3	99.3	117.4	135.5	153.6
EMISSION RATE	3.1	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.9
THROTTLE	10.9	10.9	12.9	14.6	16.0	17.2	18.5	19.9	21.7	24.0
MANIFOLD	18.0	18.0	16.6	15.7	15.0	14.2	13.3	12.2	10.9	9.4
LOAD POINT	171.6	189.7	207.8	225.9	243.9	262.0	280.1	298.1	316.2	334.3
EMISSION RATE	2.6	4.0	7.3	15.6	37.4	93.4	217.9	338.0	338.0	286.8
THROTTLE	26.7	30.0	33.4	36.8	39.7	42.2	44.5	47.7	54.2	70.0
MANIFOLD	7.9	6.5	5.2	4.1	3.4	2.9	2.5	2.2	1.7	0.5
SPEED POINT	2500.0									
LOAD POINT	-47.5	9.9	27.6	45.3	63.0	80.7	98.3	116.0	133.7	151.4
EMISSION RATE	3.1	0.7	1.3	1.4	1.2	1.0	0.9	1.1	1.5	2.6
THROTTLE	14.5	14.5	16.2	18.1	19.9	21.4	22.7	24.2	26.0	28.3
MANIFOLD	18.5	18.5	17.2	16.2	15.4	14.6	13.7	12.6	11.4	10.0
LOAD POINT	169.0	186.7	204.4	222.1	239.8	257.4	275.1	292.8	310.5	328.1
EMISSION RATE	5.5	12.5	29.8	68.1	138.8	239.1	336.4	376.8	376.4	341.1
THROTTLE	31.3	34.9	38.9	42.7	45.7	47.4	48.2	49.3	54.0	69.9
MANIFOLD	8.6	7.2	6.0	4.8	3.9	3.2	2.7	2.3	1.7	0.9
SPEED POINT	3000.0									
LOAD POINT	-60.0	13.0	29.8	46.6	63.4	80.3	97.1	113.9	130.7	147.6
EMISSION RATE	3.1	5.3	1.7	1.1	1.3	1.9	3.3	6.2	11.4	20.1
THROTTLE	15.5	15.5	19.0	21.1	22.2	23.0	24.0	25.5	27.7	30.7
MANIFOLD	18.5	18.5	17.3	16.3	15.4	14.6	13.6	12.6	11.4	10.2
LOAD POINT	164.4	181.2	198.0	214.9	231.7	248.5	265.3	282.2	299.0	315.8
EMISSION RATE	33.3	52.1	77.8	112.7	160.1	223.4	301.5	378.6	383.9	352.1
THROTTLE	34.3	38.3	42.3	45.8	48.4	50.1	51.4	53.3	58.0	69.9
MANIFOLD	8.9	7.5	6.3	5.1	4.0	3.1	2.4	1.9	1.4	1.0
SPEED POINT	3500.0									
LOAD POINT	-72.5	11.1	26.1	41.1	56.0	71.0	85.9	100.9	115.9	130.8
EMISSION RATE	3.1	43.6	33.2	27.3	24.6	24.5	26.3	30.9	38.6	50.8
THROTTLE	13.5	13.5	16.5	18.7	20.1	21.3	22.5	24.0	26.0	28.7
MANIFOLD	19.0	19.0	17.5	16.4	15.5	14.8	14.0	13.2	12.2	11.2
LOAD POINT	145.8	160.8	175.7	190.7	205.6	220.6	235.6	250.5	265.5	280.5
EMISSION RATE	68.9	94.5	128.5	170.2	216.3	261.0	297.1	319.4	326.8	323.7
THROTTLE	32.0	35.9	40.0	44.2	47.9	51.0	53.6	56.4	60.8	69.9
MANIFOLD	10.1	8.9	7.7	6.4	5.3	4.2	3.3	2.6	2.1	1.7
SPEED POINT	3800.0									

LOAD POINT	-80.0	7.0	21.4	35.7	50.0	64.4	78.7	93.1	107.4	121.8
EMISSION RATE	3.1	48.7	51.1	56.2	61.2	63.9	63.8	61.5	58.6	57.1
THROTTLE	14.1	14.1	16.2	18.0	19.5	21.0	22.6	24.5	26.7	29.3
MANIFOLD	18.0	18.0	17.2	16.6	16.0	15.4	14.7	13.8	12.9	11.9
LOAD POINT	136.1	150.5	164.8	179.2	193.5	207.8	222.2	236.5	250.9	265.2
EMISSION RATE	58.7	65.6	81.4	112.8	172.3	279.0	447.5	640.0	659.3	494.7
THROTTLE	32.3	35.6	39.2	42.8	46.3	49.5	52.6	55.8	59.9	66.0
MANIFOLD	10.7	9.5	8.3	7.0	5.8	4.6	3.5	2.6	1.7	1.0
*ENGINE	NSBDC6		RPM		TORQUE		G/HR			
1975 BUICK	455.0	ENGINE	NOX	MAP	CATALYTIC		CONVERTER			
DATA	4.313	3.900	8.	600.	3800.	.1200	.7126			
SPEED POINT	600.0									
LOAD POINT	0.0	1.7	6.0	10.2	14.4	18.6	22.8	27.1	31.3	35.5
EMISSION RATE	2.4	2.4	2.3	2.2	2.3	2.5	2.8	3.2	3.7	4.3
THROTTLE	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.8	1.0
MANIFOLD	17.7	17.7	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.8	65.1	69.3	73.5	77.7
EMISSION RATE	5.1	5.9	6.9	7.9	9.1	10.3	11.7	13.2	14.8	16.5
THROTTLE	1.2	1.4	1.6	1.9	2.2	2.4	2.8	3.1	3.4	3.8
MANIFOLD	15.0	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1
SPEED POINT	700.0									
LOAD POINT	-2.5	1.0	4.8	8.6	12.5	16.3	20.1	23.9	27.7	31.5
EMISSION RATE	2.4	3.8	3.2	2.8	2.8	2.8	2.8	2.8	3.0	3.6
THROTTLE	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7
MANIFOLD	17.9	17.9	17.5	17.1	16.7	16.3	16.0	15.6	15.3	15.0
LOAD POINT	35.4	39.2	43.0	46.8	50.6	54.4	58.3	62.1	65.9	69.7
EMISSION RATE	4.3	5.1	6.1	7.3	8.6	10.0	11.7	13.5	15.4	17.5
THROTTLE	1.9	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6
MANIFOLD	14.7	14.5	14.2	14.0	13.8	13.6	13.4	13.2	13.1	12.9
SPEED POINT	800.0									
LOAD POINT	-5.0	2.0	19.8	37.0	55.4	73.1	90.9	108.7	126.5	144.2
EMISSION RATE	2.4	3.7	5.6	5.5	6.1	8.3	12.3	17.4	21.0	21.7
THROTTLE	1.5	1.5	2.6	4.1	5.8	7.5	9.1	10.7	12.2	13.7
MANIFOLD	18.4	18.4	17.3	15.2	12.8	10.3	8.2	6.4	5.2	4.3
LOAD POINT	162.0	179.6	197.6	215.3	233.1	250.9	268.7	286.5	304.2	322.0
EMISSION RATE	20.6	20.4	23.5	33.4	56.2	96.8	138.5	137.0	94.5	71.9
THROTTLE	15.2	16.7	17.9	18.9	19.5	20.0	21.0	24.3	34.4	69.9
MANIFOLD	3.9	3.7	3.6	3.5	3.3	2.9	2.2	1.4	0.6	0.2
SPEED POINT	1500.0									
LOAD POINT	-22.5	6.0	24.3	42.5	60.8	79.1	97.4	115.7	134.0	152.2
EMISSION RATE	2.4	4.7	6.0	6.3	7.1	8.8	10.8	12.0	12.1	11.8
THROTTLE	7.9	7.9	9.6	11.2	12.7	13.9	15.1	16.5	18.2	20.4
MANIFOLD	17.0	17.0	15.8	14.8	13.9	13.1	12.0	10.8	9.5	8.0
LOAD POINT	170.5	188.8	207.1	225.4	243.6	261.9	280.2	298.5	316.8	335.0
EMISSION RATE	12.5	16.0	26.1	51.7	105.2	163.5	163.5	108.9	60.0	101.1
THROTTLE	22.9	25.9	29.0	31.7	33.9	35.3	36.7	39.5	47.3	70.0
MANIFOLD	6.6	5.3	4.2	3.4	2.9	2.6	2.5	2.3	1.7	0.3
SPEED POINT	2000.0									
LOAD POINT	-35.0	9.0	27.1	45.1	63.2	81.3	99.3	117.4	135.5	153.6
EMISSION RATE	2.4	7.2	8.3	7.2	7.2	8.7	12.7	17.5	21.1	22.9
THROTTLE	10.9	10.9	12.9	14.6	16.0	17.2	18.5	19.9	21.7	24.0
MANIFOLD	18.0	18.0	16.6	15.7	15.0	14.2	13.3	12.2	10.9	9.4
LOAD POINT	171.6	189.7	207.8	225.9	243.9	262.0	280.1	298.1	316.2	334.3
EMISSION RATE	24.8	29.9	42.6	68.3	102.3	109.0	70.1	28.6	16.2	92.7
THROTTLE	26.7	30.0	33.4	36.8	39.7	42.2	44.5	47.7	54.2	70.0
MANIFOLD	7.9	6.5	5.2	4.1	3.4	2.9	2.5	2.2	1.7	0.5
SPEED POINT	2500.0									
LOAD POINT	-47.5	9.9	27.6	45.3	63.0	80.7	98.3	116.0	133.7	151.4
EMISSION RATE	2.4	3.9	4.5	11.2	21.4	27.6	29.5	33.5	46.7	77.3
THROTTLE	14.5	14.5	16.2	18.1	19.9	21.4	22.7	24.2	26.0	28.3
MANIFOLD	18.5	18.5	17.2	16.2	15.4	14.6	13.7	12.6	11.4	10.0

LOAD POINT	169.0	186.7	204.4	222.1	239.8	257.4	275.1	292.8	310.5	328.1
EMISSION RATE	128.6	172.4	156.8	93.8	43.7	22.4	19.0	33.6	84.7	63.1
THROTTLE	31.3	34.9	38.9	42.7	45.7	47.4	48.2	49.3	54.0	69.9
MANIFOLD	8.6	7.2	6.0	4.8	3.9	3.2	2.7	2.3	1.7	0.9
SPEED POINT	3000.0									
LOAD POINT	-60.0	13.0	29.8	46.6	63.4	80.3	97.1	113.9	130.7	147.6
EMISSION RATE	2.4	7.5	8.7	12.8	19.0	27.5	40.4	62.1	98.1	148.8
THROTTLE	15.5	15.5	19.0	21.1	22.2	23.0	24.0	25.5	27.7	30.7
MANIFOLD	18.5	18.5	17.3	16.3	15.4	14.6	13.6	12.6	11.4	10.2
LOAD POINT	164.4	181.2	198.0	214.9	231.7	248.5	265.3	282.2	299.0	315.8
EMISSION RATE	198.8	217.5	190.7	141.6	102.1	86.2	99.8	158.3	235.4	122.7
THROTTLE	34.3	38.3	42.3	45.8	48.4	50.1	51.4	53.3	58.0	69.9
MANIFOLD	8.9	7.5	6.3	5.1	4.0	3.1	2.4	1.9	1.4	1.0
SPEED POINT	3500.0									
LOAD POINT	-72.5	11.1	26.1	41.1	56.0	71.0	85.9	100.9	115.9	130.8
EMISSION RATE	2.4	20.4	34.1	50.2	63.6	76.1	93.8	123.8	172.6	240.6
THROTTLE	13.5	13.5	16.5	18.7	20.1	21.3	22.5	24.0	26.0	28.7
MANIFOLD	19.0	19.0	17.5	16.4	15.5	14.8	14.0	13.2	12.2	11.2
LOAD POINT	145.8	160.8	175.7	190.7	205.6	220.6	235.6	250.5	265.5	280.5
EMISSION RATE	311.1	348.3	329.8	269.1	206.8	170.6	172.7	227.4	340.2	348.3
THROTTLE	32.0	35.9	40.0	44.2	47.9	51.0	53.6	56.4	60.8	69.9
MANIFOLD	10.1	8.9	7.7	6.4	5.3	4.2	3.3	2.6	2.1	1.7
SPEED POINT	3800.0									
LOAD POINT	-80.0	7.0	21.4	35.7	50.0	64.4	78.7	93.1	107.4	121.8
EMISSION RATE	2.4	30.9	32.9	59.1	98.5	137.1	173.5	221.7	296.3	393.5
THROTTLE	14.1	14.1	16.2	18.0	19.5	21.0	22.6	24.5	26.7	29.3
MANIFOLD	18.0	18.0	17.2	16.6	16.0	15.4	14.7	13.8	12.9	11.9
LOAD POINT	136.1	150.5	164.8	179.2	193.5	207.8	222.2	236.5	250.9	265.2
EMISSION RATE	433.5	433.5	321.1	191.3	113.5	88.4	114.2	239.6	433.5	127.4
THROTTLE	32.3	35.6	39.2	42.8	46.3	49.5	52.6	55.8	59.9	66.0
MANIFOLD	10.7	9.5	8.3	7.0	5.8	4.6	3.5	2.6	1.7	1.0
*ENGINE	X58DC6		RPM		TORQUE		G/FR(*.1)			
1975 BUICK	455.0	ENGINE	RAW CO MAP		CATALYTIC		CONVERTER			
DATA	4.313	3.900	8.	600.	3800.	.1200	.7126			
SPEED POINT	600.0									
LOAD POINT	0.0	1.7	6.0	10.2	14.4	18.6	22.8	27.1	31.3	35.5
EMISSION RATE	6.8	6.8	7.3	7.7	8.1	8.3	8.5	8.6	8.7	8.6
THROTTLE	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.8	1.0
MANIFOLD	17.7	17.7	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.8	65.1	69.3	73.5	77.7
EMISSION RATE	8.6	8.4	8.1	7.8	7.4	7.0	6.5	5.9	5.2	4.5
THROTTLE	1.2	1.4	1.6	1.9	2.2	2.4	2.8	3.1	3.4	3.8
MANIFOLD	15.0	14.6	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1
SPEED POINT	700.0									
LOAD POINT	-2.5	1.0	4.8	8.6	12.5	16.3	20.1	23.9	27.7	31.5
EMISSION RATE	6.8	7.3	7.6	7.9	8.2	8.4	8.6	8.7	8.7	8.8
THROTTLE	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7
MANIFOLD	17.9	17.9	17.5	17.1	16.7	16.3	16.0	15.6	15.3	15.0
LOAD POINT	35.4	39.2	43.0	46.8	50.6	54.4	58.3	62.1	65.9	69.7
EMISSION RATE	8.7	8.6	8.5	8.3	8.1	7.8	7.5	7.1	6.6	6.2
THROTTLE	1.9	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6
MANIFOLD	14.7	14.5	14.2	14.0	13.8	13.6	13.4	13.2	13.1	12.9
SPEED POINT	800.0									
LOAD POINT	-5.0	2.0	19.8	37.6	55.4	73.1	90.9	108.7	126.5	144.2
EMISSION RATE	6.8	8.4	10.8	13.5	16.7	20.2	24.2	28.9	35.0	43.6
THROTTLE	1.5	1.5	2.6	4.1	5.8	7.5	9.1	10.7	12.2	13.7
MANIFOLD	18.4	18.4	17.3	15.2	12.8	10.3	8.2	6.4	5.2	4.3
LOAD POINT	162.0	179.8	197.6	215.3	233.1	250.9	268.7	286.5	304.2	322.0
EMISSION RATE	56.5	76.8	109.7	163.5	250.2	381.5	554.9	724.1	780.6	634.1
THROTTLE	15.2	16.7	17.9	18.9	19.5	20.0	21.0	24.3	34.4	69.9
MANIFOLD	3.9	3.7	3.6	3.5	3.3	2.9	2.2	1.4	0.6	0.2



MANIFOLD	17.7	17.7	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.8	65.1	69.3	73.5	77.7
EMISSION RATE	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	39.5	59.0
THROTTLE	1.2	1.4	1.6	1.9	2.2	2.4	2.8	3.1	3.4	3.8
MANIFOLD	15.0	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1
SPEED POINT	700.0									
LOAD POINT	-2.5	1.0	4.8	8.6	12.5	16.3	20.1	23.9	27.7	31.5
EMISSION RATE	243.2	252.2	223.8	198.2	175.2	154.9	137.3	122.4	110.2	100.7
THROTTLE	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7
MANIFOLD	17.9	17.9	17.5	17.1	16.7	16.3	16.0	15.6	15.3	15.0
LOAD POINT	35.4	39.2	43.0	46.8	50.6	54.4	58.3	62.1	65.9	69.7
EMISSION RATE	93.9	89.8	88.6	89.7	93.7	100.4	109.7	121.8	136.6	154.0
THROTTLE	1.9	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6
MANIFOLD	14.7	14.5	14.2	14.0	13.8	13.6	13.4	13.2	13.1	12.9
SPEED POINT	800.0									
LOAD POINT	-5.0	2.0	19.8	37.6	55.4	73.1	90.9	108.7	126.5	144.2
EMISSION RATE	243.2	160.6	45.5	39.4	59.7	106.2	172.3	222.3	219.5	171.8
THROTTLE	1.5	1.5	2.6	4.1	5.8	7.5	9.1	10.7	12.2	13.7
MANIFOLD	18.4	18.4	17.3	15.2	12.8	10.3	8.2	6.4	5.2	4.3
LOAD POINT	162.0	179.8	197.6	215.3	233.1	250.9	268.7	286.5	304.2	322.0
EMISSION RATE	116.1	76.0	54.2	46.9	52.3	75.3	128.9	216.8	257.7	138.0
THROTTLE	15.2	16.7	17.9	18.9	19.5	20.0	21.0	24.3	34.4	69.9
MANIFOLD	3.9	3.7	3.6	3.5	3.3	2.9	2.2	1.4	0.6	0.2
SPEED POINT	1500.0									
LOAD POINT	-22.5	6.0	24.3	42.5	60.8	79.1	97.4	115.7	134.0	152.2
EMISSION RATE	243.2	921.4	485.6	298.7	204.4	150.7	117.4	96.0	82.4	74.5
THROTTLE	7.9	7.9	9.6	11.2	12.7	13.9	15.1	16.5	18.2	20.4
MANIFOLD	17.0	17.0	15.8	14.8	13.9	13.1	12.0	10.8	9.5	8.0
LOAD POINT	170.5	188.8	207.1	225.4	243.6	261.9	280.2	298.5	316.8	335.0
EMISSION RATE	71.9	73.7	81.5	97.0	122.9	162.6	216.9	277.4	317.4	296.4
THROTTLE	22.9	25.9	29.0	31.7	33.9	35.3	36.7	39.5	47.3	70.0
MANIFOLD	6.6	5.3	4.2	3.4	2.9	2.6	2.5	2.3	1.7	0.3
SPEED POINT	2000.0									
LOAD POINT	-35.0	9.0	27.1	45.1	63.2	81.3	99.3	117.4	135.5	153.6
EMISSION RATE	243.2	319.0	211.5	153.9	119.6	97.6	83.1	73.8	68.6	67.4
THROTTLE	10.9	10.9	12.9	14.6	16.0	17.2	18.5	19.9	21.7	24.0
MANIFOLD	19.0	18.0	16.6	15.7	15.0	14.2	13.3	12.2	10.9	9.4
LOAD POINT	171.6	189.7	207.8	225.9	243.9	262.0	280.1	298.1	316.2	334.3
EMISSION RATE	70.0	77.9	92.5	116.8	154.9	210.3	281.9	354.5	375.4	344.8
THROTTLE	26.7	30.0	33.4	36.8	39.7	42.2	44.5	47.7	54.2	70.0
MANIFOLD	7.9	6.5	5.2	4.1	3.4	2.9	2.5	2.2	1.7	0.5
SPEED POINT	2500.0									
LOAD POINT	-47.5	9.9	27.6	45.3	63.0	80.7	98.3	116.0	133.7	151.4
EMISSION RATE	243.2	640.9	212.0	108.0	74.4	62.6	61.2	61.8	66.9	74.6
THROTTLE	14.5	14.5	16.2	18.1	19.9	21.4	22.7	24.2	26.0	28.3
MANIFOLD	18.5	18.5	17.2	16.2	15.4	14.6	13.7	12.6	11.4	10.0
LOAD POINT	169.0	186.7	204.4	222.1	239.8	257.4	275.1	292.8	310.5	328.1
EMISSION RATE	85.3	100.1	121.1	151.5	195.2	256.2	334.0	414.1	457.8	412.4
THROTTLE	31.3	34.9	38.9	42.7	45.7	47.4	48.2	49.3	54.0	69.9
MANIFOLD	8.6	7.2	6.0	4.8	3.9	3.2	2.7	2.3	1.7	0.9
SPEED POINT	3000.0									
LOAD POINT	-60.0	13.0	29.8	46.6	63.4	80.3	97.1	113.9	130.7	147.6
EMISSION RATE	243.2	214.3	111.8	81.4	73.9	75.4	82.6	92.8	104.5	117.2
THROTTLE	15.5	15.5	19.0	21.1	22.2	23.0	24.0	25.5	27.7	30.7
MANIFOLD	18.5	18.5	17.3	16.3	15.4	14.6	13.6	12.6	11.4	10.2
LOAD POINT	164.4	181.2	198.0	214.9	231.7	248.5	265.3	282.2	299.0	315.8
EMISSION RATE	131.1	147.5	168.8	198.4	240.5	299.3	375.5	458.6	515.4	491.7
THROTTLE	34.3	38.3	42.3	45.8	48.4	50.1	51.4	53.3	58.0	69.9
MANIFOLD	8.9	7.5	6.3	5.1	4.0	3.1	2.4	1.9	1.4	1.0
SPEED POINT	3500.0									
LOAD POINT	-72.5	11.1	26.1	41.1	56.0	71.0	85.9	100.9	115.9	130.8

EMISSION RATE	243.2	80.9	82.7	83.9	85.6	88.6	93.7	101.6	113.0	128.7
THROTTLE	13.5	13.5	16.5	18.7	20.1	21.3	22.5	24.0	26.0	28.7
MANIFOLD	19.0	19.0	17.5	16.4	15.5	14.8	14.0	13.2	12.2	11.2
LOAD POINT	145.8	160.8	175.7	190.7	205.6	220.6	235.6	250.5	265.5	280.5
EMISSION RATE	149.7	177.1	211.5	253.5	302.9	357.9	415.6	471.1	518.8	552.9
THROTTLE	32.0	35.9	40.0	44.2	47.9	51.0	53.6	56.4	60.8	69.9
MANIFOLD	10.1	8.9	7.7	6.4	5.3	4.2	3.3	2.6	2.1	1.7
SPEED POINT	3800.0									
LOAD POINT	-80.0	7.0	21.4	35.7	50.0	64.4	78.7	93.1	107.4	121.8
EMISSION RATE	243.2	79.3	81.3	90.3	103.4	118.4	133.4	147.6	161.1	175.7
THROTTLE	14.1	14.1	16.2	18.0	19.5	21.0	22.6	24.5	26.7	29.3
MANIFOLD	18.0	18.0	17.2	16.6	16.0	15.4	14.7	13.8	12.9	11.9
LOAD POINT	136.1	150.5	164.8	179.2	193.5	207.8	222.2	236.5	250.9	265.2
EMISSION RATE	194.1	220.2	259.3	317.9	402.9	517.7	650.5	755.9	751.1	575.1
THROTTLE	32.3	35.6	39.2	42.8	46.3	49.5	52.6	55.8	59.9	66.0
MANIFOLD	10.7	9.5	8.3	7.0	5.8	4.6	3.5	2.6	1.7	1.0
*ENGINE		Z5BDC6		RPM		TORQUE		G/HR		
1975 BUICK	455.0	ENGINE	RAW	NOX	MAP	CATALYTIC	CONVERTER			
DATA	4.313	3.900	8.	600.	3800.	.1200	.7126			
SPEED POINT	600.0									
LOAD POINT	0.0	1.7	6.0	10.2	14.4	18.6	22.8	27.1	31.3	35.5
EMISSION RATE	1.6	1.6	1.5	1.5	1.7	2.0	2.4	3.0	3.7	4.6
THROTTLE	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.8	1.0
MANIFOLD	17.7	17.7	17.3	17.0	16.7	16.4	16.1	15.8	15.5	15.3
LOAD POINT	39.7	43.9	48.2	52.4	56.6	60.8	65.1	69.3	73.5	77.7
EMISSION RATE	5.6	6.7	8.0	9.4	10.9	12.6	14.4	16.3	18.4	20.7
THROTTLE	1.2	1.4	1.6	1.9	2.2	2.4	2.8	3.1	3.4	3.8
MANIFOLD	15.0	14.8	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1
SPEED POINT	700.0									
LOAD POINT	-2.5	1.0	4.8	8.6	12.5	16.3	20.1	23.9	27.7	31.5
EMISSION RATE	1.6	3.0	2.3	1.8	1.5	1.4	1.5	1.7	2.2	2.8
THROTTLE	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7
MANIFOLD	17.9	17.9	17.5	17.1	16.7	16.3	16.0	15.6	15.3	15.0
LOAD POINT	35.4	39.2	43.0	46.8	50.6	54.4	58.3	62.1	65.9	69.7
EMISSION RATE	3.6	4.7	5.9	7.3	8.9	10.7	12.7	14.8	17.2	19.8
THROTTLE	1.9	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6
MANIFOLD	14.7	14.5	14.2	14.0	13.8	13.6	13.4	13.2	13.1	12.9
SPEED POINT	800.0									
LOAD POINT	-5.0	2.0	19.8	37.6	55.4	73.1	90.9	108.7	126.5	144.2
EMISSION RATE	1.6	2.4	6.1	6.4	6.1	7.1	9.8	14.4	20.1	25.5
THROTTLE	1.5	1.5	2.6	4.1	5.8	7.5	9.1	10.7	12.2	13.7
MANIFOLD	18.4	18.4	17.3	15.2	12.8	10.3	8.2	6.4	5.2	4.3
LOAD POINT	162.0	179.8	197.6	215.3	233.1	250.9	268.7	286.5	304.2	322.0
EMISSION RATE	29.4	33.1	39.1	50.7	71.7	101.3	125.9	123.2	98.6	94.7
THROTTLE	15.2	16.7	17.9	18.9	19.5	20.0	21.0	24.3	34.4	69.9
MANIFOLD	3.9	3.7	3.6	3.5	3.3	2.9	2.2	1.4	0.6	0.2
SPEED POINT	1500.0									
LOAD POINT	-22.5	6.0	24.3	42.5	60.8	79.1	97.4	115.7	134.0	152.2
EMISSION RATE	1.6	2.9	4.8	6.4	8.7	12.4	17.5	23.2	28.3	32.8
THROTTLE	7.9	7.9	9.6	11.2	12.7	13.9	15.1	16.5	18.2	20.4
MANIFOLD	17.0	17.0	15.8	14.8	13.9	13.1	12.0	10.8	9.5	8.0
LOAD POINT	170.5	188.8	207.1	225.4	243.6	261.9	280.2	298.5	316.8	335.0
EMISSION RATE	38.8	50.0	72.5	114.5	178.0	232.5	220.9	149.5	96.1	136.7
THROTTLE	22.9	25.9	29.0	31.7	33.9	35.3	36.7	39.5	47.3	70.0
MANIFOLD	6.6	5.3	4.2	3.4	2.9	2.6	2.5	2.3	1.7	0.3
SPEED POINT	2000.0									
LOAD POINT	-35.0	9.0	27.1	45.1	63.2	81.3	99.3	117.4	135.5	153.6
EMISSION RATE	1.6	6.4	8.9	12.0	17.5	26.3	37.7	49.1	58.5	67.0
THROTTLE	10.9	10.9	12.9	14.6	16.0	17.2	18.5	19.9	21.7	24.0
MANIFOLD	18.0	18.0	16.6	15.7	15.0	14.2	13.3	12.2	10.9	9.4
LOAD POINT	171.6	189.7	207.8	225.9	243.9	262.0	280.1	298.1	316.2	334.3



EMISSION RATE	78.7	100.0	137.4	190.5	233.4	216.9	140.4	72.1	51.7	189.3
THROTTLE	26.7	30.0	33.4	36.8	39.7	42.2	44.5	47.7	54.2	70.0
MANIFOLD	7.9	6.5	5.2	4.1	3.4	2.9	2.5	2.2	1.7	0.5
SPEED POINT	2500.0									
LOAD POINT	-47.5	9.9	27.6	45.3	63.0	80.7	98.3	116.0	133.7	151.4
EMISSION RATE	1.6	4.1	6.8	17.3	37.3	58.9	75.0	89.7	111.4	146.7
THROTTLE	14.5	14.5	16.2	18.1	19.9	21.4	22.7	24.2	26.0	28.3
MANIFOLD	18.5	18.5	17.2	16.2	15.4	14.6	13.7	12.6	11.4	10.0
LOAD POINT	169.0	186.7	204.4	222.1	239.8	257.4	275.1	292.8	310.5	328.1
EMISSION RATE	193.3	211.6	211.6	187.1	132.0	95.1	85.3	108.1	167.9	158.1
THROTTLE	31.3	34.9	38.9	42.7	45.7	47.4	48.2	49.3	54.0	69.9
MANIFOLD	8.6	7.2	6.0	4.8	3.9	3.2	2.7	2.3	1.7	0.9
SPEED POINT	3000.0									
LOAD POINT	-60.0	13.0	29.8	46.6	63.4	80.3	97.1	113.9	130.7	147.6
EMISSION RATE	1.6	15.7	25.0	38.4	52.4	66.4	83.8	110.1	149.7	200.6
THROTTLE	15.5	15.5	19.0	21.1	22.2	23.0	24.0	25.5	27.7	30.7
MANIFOLD	18.5	18.5	17.3	16.3	15.4	14.6	13.6	12.6	11.4	10.2
LOAD POINT	164.4	181.2	198.0	214.9	231.7	248.5	265.3	282.2	299.0	315.8
EMISSION RATE	247.7	266.3	245.6	203.3	168.5	161.7	201.7	320.9	333.2	272.5
THROTTLE	34.3	38.3	42.3	45.8	48.4	50.1	51.4	53.3	58.0	69.9
MANIFOLD	8.9	7.5	6.3	5.1	4.0	3.1	2.4	1.9	1.4	1.0
SPEED POINT	3500.0									
LOAD POINT	-72.5	11.1	26.1	41.1	56.0	71.0	85.9	100.9	115.9	130.8
EMISSION RATE	1.6	23.4	42.4	58.6	69.7	81.7	101.8	136.2	189.9	261.0
THROTTLE	13.5	13.5	16.5	18.7	20.1	21.3	22.5	24.0	26.0	28.7
MANIFOLD	19.0	19.0	17.5	16.4	15.5	14.8	14.0	13.2	12.2	11.2
LOAD POINT	145.8	160.8	175.7	190.7	205.6	220.6	235.6	250.5	265.5	280.5
EMISSION RATE	332.6	375.6	369.9	325.4	272.4	238.2	239.6	255.0	428.9	593.2
THROTTLE	32.0	35.9	40.0	44.2	47.9	51.0	53.6	56.4	60.8	69.9
MANIFOLD	10.1	8.9	7.7	6.4	5.3	4.2	3.3	2.6	2.1	1.7
SPEED POINT	3600.0									
LOAD POINT	-80.0	7.0	21.4	35.7	50.0	64.4	78.7	93.1	107.4	121.8
EMISSION RATE	1.6	30.4	40.6	60.2	89.0	128.9	184.7	260.9	353.5	438.1
THROTTLE	14.1	14.1	16.2	18.0	19.5	21.0	22.6	24.5	26.7	29.3
MANIFOLD	18.0	18.0	17.2	16.6	16.0	15.4	14.7	13.8	12.9	11.9
LOAD POINT	136.1	150.5	164.8	179.2	193.5	207.8	222.2	236.5	250.9	265.2
EMISSION RATE	461.3	433.8	341.4	246.4	183.1	160.8	186.1	281.1	427.1	326.9
THROTTLE	32.3	35.6	39.2	42.8	46.3	49.5	52.6	55.8	59.9	66.0
MANIFOLD	10.7	9.5	8.3	7.0	5.8	4.6	3.5	2.6	1.7	1.0



APPENDIX B. FORD MOTOR COMPANY

B.1 1977 FORD 140 CID (2.3 LITER), 2 BBL

*ENGINE 1977 FCPD	140.0	F7FJL7 ENGINE	FUEL	RPM MAP	TORQUE CATALYTIC		LB/HR CONVERTER				
DATA 2 BBL	3.781	3.126	4.	650.	5000.	.0500	.7160				
SPEED POINT	650.0										
LOAD POINT	0.0	8.4	9.6	10.7	11.9	13.1	14.3	15.5	16.7	17.9	
FUEL RATE	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	
THROTTLE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.8	15.7	
LOAD PCINT	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	29.7	
FUEL RATE	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6	
THROTTLE	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8	
MANIFOLD	15.6	15.4	15.3	15.1	14.9	14.7	14.5	14.3	14.0	13.8	
SPEED POINT	750.0										
LOAD POINT	-1.1	0.2	1.3	2.4	3.5	4.5	5.6	6.7	7.8	8.9	
FUEL RATE	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLO	18.4	18.4	18.0	17.7	17.3	17.1	16.8	16.6	16.4	16.2	
LOAD POINT	10.0	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.7	
FUEL RATE	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLO	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
SPEED POINT	1000.0										
LOAD POINT	-3.9	0.6	5.9	11.2	16.5	21.9	27.2	32.5	37.8	43.1	
FUEL RATE	1.9	2.4	2.5	2.8	3.1	3.5	3.9	4.3	4.7	5.1	
THROTTLE	1.1	1.1	1.5	2.1	2.8	3.6	4.3	5.2	6.2	7.3	
MANIFOLO	19.6	19.6	19.0	18.5	17.7	16.9	15.8	14.5	13.2	11.7	
LOAD POINT	48.4	53.7	59.1	64.4	69.7	75.0	80.3	85.6	91.0	96.3	
FUEL RATE	5.5	5.5	6.2	6.6	7.0	7.4	7.9	8.5	9.2	10.1	
THROTTLE	3.6	10.1	11.6	13.1	14.3	15.4	17.1	21.1	32.8	78.7	
MANIFOLO	10.3	9.0	7.8	6.7	5.8	5.0	4.2	3.2	1.9	0.1	
SPEED POINT	1500.0										
LOAD POINT	-9.4	0.5	6.5	12.5	18.5	24.5	30.5	36.5	42.5	48.5	
FUEL RATE	1.9	3.5	3.7	4.0	4.5	5.0	5.5	6.1	6.6	7.2	
THROTTLE	4.5	4.5	4.5	4.9	5.8	6.9	8.1	9.2	10.4	11.7	
MANIFOLO	20.7	20.7	20.6	20.0	19.0	17.7	16.1	14.4	12.7	11.0	
LOAD POINT	54.5	60.5	66.5	72.5	78.5	84.5	90.4	96.4	102.4	108.4	
FUEL RATE	7.8	8.4	9.1	9.8	10.5	11.3	12.3	13.4	14.8	16.4	
THROTTLE	13.3	15.2	17.3	19.5	21.4	23.0	24.7	28.4	39.3	79.0	
MANIFOLO	9.5	8.2	7.1	6.3	5.6	5.0	4.4	3.6	2.3	0.3	
SPEED POINT	2000.0										
LOAD POINT	-14.9	0.0	6.4	12.7	19.1	25.5	31.8	38.2	44.5	50.9	
FUEL RATE	1.9	4.2	4.7	5.4	6.1	6.8	7.5	8.2	8.9	9.7	
THROTTLE	5.0	5.0	5.9	7.4	9.1	10.9	12.6	14.1	15.5	16.9	
MANIFOLO	22.0	22.0	21.4	19.9	18.0	16.1	14.2	12.7	11.4	10.4	
LOAD POINT	57.3	63.6	70.0	76.4	82.7	89.1	95.5	101.8	108.2	114.5	
FUEL RATE	10.4	11.2	12.1	13.0	13.9	15.0	16.2	17.5	19.1	20.8	
THROTTLE	18.4	20.2	22.3	24.6	27.0	29.5	32.7	38.0	49.1	79.0	
MANIFOLO	9.5	8.8	8.1	7.3	6.4	5.2	3.9	2.5	1.3	0.5	
SPEED POINT	2500.0										
LOAD POINT	-20.4	0.1	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0	
FUEL RATE	1.9	4.8	5.7	6.7	7.6	8.5	9.4	10.3	11.3	12.3	
THROTTLE	7.6	7.6	8.8	10.2	11.8	13.4	15.2	16.9	18.8	20.7	
MANIFOLO	22.0	22.0	20.1	18.5	17.0	15.7	14.5	13.4	12.2	11.1	
LOAD POINT	58.5	65.0	71.5	78.0	84.5	91.0	97.5	104.0	110.5	117.0	
FUEL RATE	13.3	14.3	15.4	16.6	17.8	19.2	20.6	22.2	23.9	25.8	
THROTTLE	22.7	24.9	27.2	29.7	32.4	35.6	39.9	46.3	57.2	78.8	
MANIFOLO	10.0	8.8	7.7	6.7	5.6	4.6	3.6	2.6	1.6	0.6	
SPEED POINT	3000.0										
LOAD PCINT	-25.9	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.8	52.3	
FUEL RATE	1.9	6.9	7.7	8.6	9.5	10.4	11.3	12.3	13.3	14.4	
THROTTLE	11.0	11.0	11.9	13.3	14.9	16.8	18.7	20.6	22.6	24.5	

MANIFOLD	19.5	19.5	18.9	18.0	17.0	16.0	14.9	13.7	12.5	11.3
LOAD POINT	58.8	65.4	71.9	78.4	85.0	91.5	98.1	104.6	111.1	117.7
FUEL RATE	15.6	16.4	18.2	19.7	21.2	22.9	24.7	26.7	28.8	31.0
THROTTLE	26.5	28.5	30.8	33.3	36.2	35.7	44.3	50.8	61.3	79.5
MANIFOLD	10.2	9.0	7.9	6.8	5.7	4.7	3.6	2.7	1.7	0.8
SPEED POINT 3500.0										
LOAD POINT	-31.4	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3
FUEL RATE	1.9	8.2	8.8	9.7	10.9	12.1	13.5	14.9	16.4	17.8
THROTTLE	13.5	13.5	14.8	16.2	17.9	19.8	22.0	24.3	26.7	29.2
MANIFOLD	19.8	19.8	19.1	18.1	17.1	15.9	14.6	13.3	11.9	10.6
LOAD POINT	58.8	65.3	71.9	78.4	84.9	91.5	98.0	104.5	111.1	117.6
FUEL RATE	19.3	20.4	22.3	23.8	25.4	27.2	29.2	31.4	33.9	36.9
THROTTLE	31.0	34.0	36.5	39.3	42.6	46.8	52.2	59.3	67.9	77.0
MANIFOLD	9.3	8.1	7.0	5.9	4.9	4.0	3.2	2.4	1.7	1.0
SPEED POINT 4300.0										
LOAD POINT	-40.2	1.6	7.7	13.9	20.0	26.2	32.3	38.4	44.6	50.7
FUEL RATE	1.9	11.0	12.0	13.1	14.3	15.6	17.0	18.5	20.1	21.7
THROTTLE	18.2	18.2	14.5	15.6	19.0	23.4	27.7	30.9	32.9	34.2
MANIFOLD	19.1	19.1	18.2	17.2	16.1	15.0	13.8	12.6	11.5	10.3
LOAD POINT	56.8	63.0	69.1	75.3	81.4	87.5	93.7	99.8	106.0	112.1
FUEL RATE	23.5	25.4	27.4	29.5	31.8	34.2	36.8	39.5	42.3	45.3
THROTTLE	35.4	37.3	40.2	44.4	49.4	54.7	59.5	63.4	67.9	77.8
MANIFOLD	9.2	8.0	6.9	5.7	4.7	3.7	2.8	2.0	1.6	1.5
SPEED POINT 5000.0										
LOAD POINT	-47.9	1.0	6.6	12.2	17.8	23.4	29.0	34.6	40.3	45.9
FUEL RATE	1.9	13.9	14.7	15.8	17.1	18.6	20.3	22.0	23.9	25.9
THROTTLE	21.9	21.9	22.5	24.2	26.3	28.6	31.1	33.7	36.3	38.9
MANIFOLD	19.2	18.2	17.5	16.7	15.7	14.6	13.4	12.2	10.9	9.6
LOAD POINT	51.5	57.1	62.7	68.3	73.9	79.5	85.1	90.7	96.3	101.9
FUEL RATE	27.9	30.0	32.2	34.5	36.8	39.2	41.6	44.2	46.9	49.7
THROTTLE	41.8	44.8	47.9	51.1	54.2	57.1	60.1	63.0	68.7	77.8
MANIFOLD	8.4	7.2	6.1	5.1	4.2	3.4	2.7	2.1	1.6	1.1
*ENGINE		C7FJL7		RPM		TORQUE		G/HR(*.1)		
1977 FORD	140.0	ENGINE	CD MAP		CATALYTIC	CONVERTER				
DATA	3.781	3.126	4.	650.	5000.	.0500	.7150			
SPEED POINT 650.0										
LOAD POINT	0.0	8.4	9.6	10.7	11.9	13.1	14.3	15.5	16.7	17.9
EMISSION RATE	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.8	15.7
LOAD POINT	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	29.7
EMISSION RATE	0.6	1.6	2.9	4.4	6.1	8.0	10.1	12.5	15.0	17.8
THROTTLE	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8
MANIFOLD	15.6	15.4	15.3	15.1	14.9	14.7	14.5	14.3	14.0	13.8
SPEED POINT 750.0										
LOAD POINT	-1.1	0.2	1.3	2.4	3.5	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.0	17.7	17.3	17.1	16.8	16.6	16.4	16.2
LOAD POINT	10.0	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
SPEED POINT 1000.0										
LOAD POINT	-3.9	0.0	5.9	11.2	16.5	21.9	27.2	32.5	37.8	43.1
EMISSION RATE	0.7	0.0	0.0	0.1	0.6	5.2	32.5	122.0	258.6	269.4
THROTTLE	1.1	1.1	1.5	2.1	2.8	3.6	4.3	5.2	6.2	7.3
MANIFOLD	19.0	19.6	19.0	18.5	17.7	16.9	15.8	14.5	13.2	11.7
LOAD POINT	48.4	53.7	59.1	64.4	69.7	75.0	80.3	85.6	91.0	96.3
EMISSION RATE	269.4	131.2	115.9	84.6	80.2	103.6	172.3	269.4	269.4	209.4
THROTTLE	8.6	10.1	11.6	13.1	14.3	15.4	17.1	21.1	32.8	78.7

MANIFOLD	10.3	9.0	7.8	6.7	5.8	5.0	4.2	3.2	1.9	0.1
SPEED POINT	1500.0									
LOAD POINT	-9.4	0.5	6.5	12.5	18.5	24.5	30.5	36.5	42.5	48.5
EMISSION RATE	0.7	0.1	0.4	2.0	6.5	15.1	27.3	40.3	51.7	60.6
THRDTTLE	4.5	4.5	4.5	4.9	5.8	6.9	8.1	9.2	10.4	11.7
MANIFOLD	20.7	20.7	20.6	20.0	19.0	17.7	16.1	14.4	12.7	11.0
LOAD POINT	54.5	60.5	66.5	72.5	78.5	84.5	90.4	96.4	102.4	108.4
EMISSION RATE	68.2	76.7	89.0	108.8	141.1	192.9	270.7	373.5	474.9	509.2
THRDTTLE	13.3	15.2	17.3	19.5	21.4	23.0	24.7	28.4	39.3	79.0
MANIFOLD	9.5	8.2	7.1	6.3	5.6	5.0	4.4	3.6	2.3	0.3
SPEED POINT	2000.0									
LOAD POINT	-14.9	0.0	6.4	12.7	19.1	25.5	31.8	38.2	44.5	50.9
EMISSION RATE	0.7	9.1	8.9	4.1	1.5	0.6	0.4	0.3	0.5	1.0
THROTTLE	5.0	5.0	5.9	7.4	9.1	10.9	12.6	14.1	15.5	16.9
MANIFOLD	22.0	22.0	21.4	19.9	18.0	16.1	14.2	12.7	11.4	10.4
LOAD POINT	57.3	63.6	70.0	76.4	82.7	89.1	95.5	101.8	108.2	114.5
EMISSION RATE	2.7	8.4	25.7	67.1	135.3	201.3	229.3	229.9	263.4	511.9
THRDTTLE	18.4	20.2	22.3	24.6	27.0	29.5	32.7	38.0	49.1	79.0
MANIFOLD	9.5	8.8	8.1	7.3	6.4	5.2	3.9	2.5	1.3	0.5
SPEED POINT	2500.0									
LOAD POINT	-20.4	0.1	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0
EMISSION RATE	0.7	6.7	36.1	34.5	13.3	3.8	1.2	0.6	0.4	0.5
THROTTLE	7.6	7.6	8.8	10.2	11.8	13.4	15.2	16.9	18.8	20.7
MANIFOLD	22.0	22.0	20.1	18.5	17.0	15.7	14.5	13.4	12.2	11.1
LOAD POINT	58.5	65.0	71.5	78.0	84.5	91.0	97.5	104.0	110.5	117.0
EMISSION RATE	1.1	2.9	9.1	28.3	74.8	152.4	231.5	280.8	329.0	522.6
THRDTTLE	22.7	24.9	27.2	29.7	32.4	35.6	39.9	46.3	57.2	78.8
MANIFOLD	10.0	8.8	7.7	6.7	5.6	4.6	3.6	2.6	1.6	0.6
SPEED POINT	3000.0									
LOAD POINT	-25.9	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.8	52.3
EMISSION RATE	0.7	5.7	0.7	0.3	0.2	0.2	0.3	0.4	0.5	0.5
THROTTLE	11.0	11.0	11.9	13.3	14.9	16.8	18.7	20.6	22.6	24.5
MANIFOLD	19.5	19.5	18.9	18.0	17.0	16.0	14.9	13.7	12.5	11.3
LOAD POINT	58.8	65.4	71.9	78.4	85.0	91.5	98.1	104.6	111.1	117.7
EMISSION RATE	0.6	0.8	1.2	2.3	5.9	19.3	73.2	261.7	642.4	665.2
THROTTLE	26.5	28.5	30.8	33.3	36.2	39.7	44.3	50.8	61.3	79.5
MANIFOLD	10.2	9.0	7.9	6.8	5.7	4.7	3.6	2.7	1.7	0.8
SPEED POINT	3500.0									
LOAD POINT	-31.4	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3
EMISSION RATE	0.7	4.0	2.8	1.7	1.2	0.9	0.9	1.0	1.3	1.8
THROTTLE	13.5	13.5	14.8	16.2	17.9	19.8	22.0	24.3	26.7	29.2
MANIFOLD	19.8	19.8	19.1	18.1	17.1	15.9	14.6	13.3	11.9	10.6
LOAD POINT	58.8	65.3	71.9	78.4	84.9	91.5	98.0	104.5	111.1	117.6
EMISSION RATE	2.6	3.5	4.4	5.0	5.3	5.8	7.7	15.6	68.1	910.4
THROTTLE	31.6	34.0	36.5	39.3	42.6	46.8	52.2	59.3	67.9	77.0
MANIFOLD	9.3	8.1	7.0	5.9	4.9	4.0	3.2	2.4	1.7	1.0
SPEED POINT	4300.0									
LOAD POINT	-40.2	1.6	7.7	13.9	20.0	26.2	32.3	38.4	44.6	50.7
EMISSION RATE	0.7	0.3	0.8	1.0	0.8	0.6	0.4	0.3	0.3	0.3
THROTTLE	18.2	18.2	14.5	15.6	19.0	23.4	27.7	30.9	32.9	34.2
MANIFOLD	19.1	19.1	18.2	17.2	16.1	15.0	13.8	12.6	11.5	10.3
LOAD POINT	56.8	63.0	69.1	75.3	81.4	87.5	93.7	99.8	106.0	112.1
EMISSION RATE	0.4	0.7	1.5	3.5	9.2	25.0	68.2	180.6	455.5	1024.0
THRDTTLE	35.4	37.3	40.2	44.4	49.4	54.7	59.5	63.4	67.9	77.8
MANIFOLD	9.2	8.0	6.9	5.7	4.7	3.7	2.8	2.0	1.6	1.5
SPEED POINT	5000.0									
LOAD POINT	-47.9	1.0	6.6	12.2	17.8	23.4	29.0	34.6	40.3	45.9
EMISSION RATE	0.7	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.5	0.5
THROTTLE	21.9	21.9	22.5	24.2	26.3	28.6	31.1	33.7	36.3	38.9
MANIFOLD	18.2	18.2	17.5	16.7	15.7	14.6	13.4	12.2	10.9	9.6
LOAD POINT	51.5	57.1	62.7	68.3	73.9	79.5	85.1	90.7	96.3	101.9

EMISSION RATE	0.4	0.5	0.6	1.0	2.2	6.7	26.0	112.5	448.6	1090.0
THROTTLE	41.8	44.8	47.9	51.1	54.2	57.1	60.1	63.6	68.7	77.8
MANIFOLD	8.4	7.2	6.1	5.1	4.2	3.4	2.7	2.1	1.6	1.1
*ENGINE	H7FJL7		RPM			TORQUE				
1977 FORD	140.0	ENGINE	HC	MAP	CATALYTIC		CONVERTER			
DATA	3.781	3.126	4.	650.	5000.	.0500	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	8.4	9.6	10.7	11.9	13.1	14.3	15.5	16.7	17.9
EMISSION RATE	2.1	2.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
THROTTLE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.8	15.7
LOAD POINT	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	29.7
EMISSION RATE	1.9	2.9	4.2	5.6	7.3	9.2	11.3	13.6	16.1	18.9
THROTTLE	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8
MANIFOLD	15.6	15.4	15.3	15.1	14.9	14.7	14.5	14.3	14.0	13.8
SPEED POINT	750.0									
LOAD POINT	-1.1	0.2	1.3	2.4	3.5	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.0	17.7	17.3	17.1	16.8	16.6	16.4	16.2
LOAD POINT	10.0	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.7
EMISSION RATE	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
SPEED POINT	1000.0									
LOAD POINT	-3.9	0.6	5.9	11.2	16.5	21.9	27.2	32.5	37.8	43.1
EMISSION RATE	2.1	0.7	1.5	3.2	6.7	12.4	20.3	29.1	37.0	42.3
THROTTLE	1.1	1.1	1.5	2.1	2.8	3.6	4.3	5.2	6.2	7.3
MANIFOLD	19.6	19.0	19.0	18.5	17.7	16.9	15.8	14.5	13.2	11.7
LOAD POINT	48.4	53.7	59.1	64.4	69.7	75.0	80.3	85.6	91.0	96.3
EMISSION RATE	44.8	45.2	44.8	44.9	46.4	50.1	56.3	64.5	72.7	75.6
THROTTLE	8.6	10.1	11.6	13.1	14.3	15.4	17.1	21.1	32.8	78.7
MANIFOLD	10.3	9.0	7.8	6.7	5.8	5.0	4.2	3.2	1.9	0.1
SPEED POINT	1500.0									
LOAD POINT	-9.4	0.5	6.5	12.5	18.5	24.5	30.5	36.5	42.5	48.5
EMISSION RATE	2.1	0.8	3.0	6.4	9.8	12.4	14.2	16.1	18.6	22.4
THROTTLE	4.5	4.5	4.5	4.9	5.8	6.9	8.1	9.2	10.4	11.7
MANIFOLD	20.7	20.7	20.6	20.0	19.0	17.7	16.1	14.4	12.7	11.0
LOAD POINT	54.5	60.5	66.5	72.5	78.5	84.5	90.4	96.4	102.4	108.4
EMISSION RATE	28.1	36.1	46.4	58.2	69.8	79.2	85.1	88.7	94.0	110.0
THROTTLE	13.3	15.2	17.3	19.5	21.4	23.0	24.7	28.4	39.3	79.0
MANIFOLD	9.5	8.2	7.1	6.3	5.6	5.0	4.4	3.6	2.3	0.3
SPEED POINT	2000.0									
LOAD POINT	-14.9	0.0	6.4	12.7	19.1	25.5	31.8	38.2	44.5	50.9
EMISSION RATE	2.1	2.8	1.7	1.4	1.3	1.4	1.5	1.8	2.2	2.8
THROTTLE	5.0	5.0	5.9	7.4	9.1	10.9	12.6	14.1	15.5	16.9
MANIFOLD	22.0	22.0	21.4	19.9	18.0	16.1	14.2	12.7	11.4	10.4
LOAD POINT	57.3	63.6	70.0	76.4	82.7	89.1	95.5	101.8	108.2	114.5
EMISSION RATE	3.6	4.9	7.1	10.8	17.4	29.0	48.7	77.7	109.6	117.5
THROTTLE	18.4	20.2	22.3	24.6	27.0	29.5	32.7	38.0	49.1	79.0
MANIFOLD	9.5	8.8	8.1	7.3	6.4	5.2	3.9	2.5	1.3	0.5
SPEED POINT	2500.0									
LOAD POINT	-20.4	0.1	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0
EMISSION RATE	2.1	1.3	4.3	5.5	4.2	2.7	1.8	1.5	1.5	1.9
THROTTLE	7.6	7.6	8.8	10.2	11.8	13.4	15.2	16.9	18.8	20.7
MANIFOLD	22.0	22.0	20.1	18.5	17.0	15.7	14.5	13.4	12.2	11.1
LOAD POINT	58.5	65.0	71.5	78.0	84.5	91.0	97.5	104.0	110.5	117.0
EMISSION RATE	2.9	5.1	9.2	15.6	23.7	30.9	35.0	37.2	43.1	69.6
THROTTLE	22.7	24.9	27.2	29.7	32.4	35.6	39.9	46.3	57.2	78.8
MANIFOLD	10.0	8.8	7.7	6.7	5.6	4.6	3.6	2.6	1.6	0.6
SPEED POINT	3000.0									

LOAD POINT	-25.9	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.8	52.3
EMISSION RATE	2.1	2.4	2.9	3.2	3.5	3.4	3.2	2.9	2.6	2.3
THROTTLE	11.0	11.0	11.9	13.3	14.9	16.8	18.7	20.6	22.6	24.5
MANIFOLD	19.5	19.5	18.9	18.0	17.0	16.0	14.9	13.7	12.5	11.3
LOAD POINT	58.8	65.4	71.9	78.4	85.0	91.5	98.1	104.6	111.1	117.7
EMISSION RATE	2.1	2.1	2.3	2.8	3.9	6.1	11.1	22.5	49.8	114.5
THROTTLE	26.5	28.5	30.8	33.3	36.2	39.7	44.3	50.8	61.3	79.5
MANIFOLD	10.2	9.0	7.9	6.8	5.7	4.7	3.6	2.7	1.7	0.8
SPEED POINT	3500.0									
LOAD POINT	-31.4	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3
EMISSION RATE	2.1	5.2	2.0	1.1	0.9	1.0	1.3	1.9	3.0	4.3
THROTTLE	13.5	13.5	14.8	16.2	17.9	19.8	22.0	24.3	26.7	29.2
MANIFOLD	19.8	19.8	19.1	18.1	17.1	15.9	14.6	13.3	11.9	10.6
LOAD POINT	58.8	65.3	71.9	78.4	84.9	91.5	98.0	104.5	111.1	117.6
EMISSION RATE	5.3	5.3	4.3	2.9	1.8	1.2	1.0	1.5	6.2	118.0
THROTTLE	31.6	34.0	36.5	39.3	42.6	46.8	52.2	59.3	67.9	77.0
MANIFOLD	9.3	8.1	7.0	5.9	4.9	4.0	3.2	2.4	1.7	1.0
SPEED POINT	4300.0									
LOAD POINT	-40.2	1.6	7.7	13.9	20.0	26.2	32.3	38.4	44.6	50.7
EMISSION RATE	2.1	1.0	1.2	1.2	1.1	1.1	1.2	1.4	1.8	2.2
THROTTLE	18.2	18.2	14.5	15.6	19.0	23.4	27.7	30.9	32.9	34.2
MANIFOLD	19.1	19.1	18.2	17.2	16.1	15.0	13.8	12.6	11.5	10.3
LOAD POINT	56.8	63.0	69.1	75.3	81.4	87.5	93.7	99.8	106.0	112.1
EMISSION RATE	2.6	2.7	2.5	2.1	1.6	1.3	1.3	2.1	8.4	125.7
THROTTLE	35.4	37.3	40.2	44.4	49.4	54.7	59.5	63.4	67.9	77.8
MANIFOLD	9.2	8.0	6.9	5.7	4.7	3.7	2.8	2.0	1.6	1.5
SPEED POINT	5000.0									
LOAD POINT	-47.9	1.0	6.6	12.2	17.8	23.4	29.0	34.6	40.3	45.9
EMISSION RATE	2.1	0.8	1.8	2.4	2.5	2.3	2.2	2.0	2.0	1.9
THROTTLE	21.9	21.9	22.5	24.2	26.3	28.6	31.1	33.7	36.3	38.9
MANIFOLD	18.2	18.2	17.5	16.7	15.7	14.6	13.4	12.2	10.9	9.6
LOAD POINT	51.5	57.1	62.7	68.3	73.9	79.5	85.1	90.7	96.3	101.9
EMISSION RATE	1.8	1.6	1.3	1.0	0.7	0.6	0.7	1.4	6.8	131.5
THROTTLE	41.8	44.8	47.9	51.1	54.2	57.1	60.1	63.6	68.7	77.8
MANIFOLD	8.4	7.2	6.1	5.1	4.2	3.4	2.7	2.1	1.6	1.1
*ENGINE		N7FJL7		RPM		TORQUE		G/HR		
1977 FORD	140.0	ENGINE	NOX	MAP		CATALYTIC		CONVERTER		
DATA	3.781	3.126	4.	650.	5000.	.0500	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	8.4	9.6	10.7	11.9	13.1	14.3	15.5	16.7	17.9
EMISSION RATE	1.2	1.2	0.9	0.7	0.5	0.4	0.3	0.3	0.3	0.3
THROTTLE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.8	15.7
LOAD POINT	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	29.7
EMISSION RATE	0.4	0.5	0.7	0.9	1.2	1.5	1.8	2.2	2.7	3.1
THROTTLE	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8
MANIFOLD	15.6	15.4	15.3	15.1	14.9	14.7	14.5	14.3	14.0	13.8
SPEED POINT	750.0									
LOAD POINT	-1.1	0.2	1.3	2.4	3.5	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	1.2	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.9	1.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.0	17.7	17.3	17.1	16.8	16.6	16.4	16.2
LOAD POINT	10.0	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.7
EMISSION RATE	1.1	1.2	1.4	1.5	1.7	1.9	2.1	2.3	2.6	2.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
SPEED POINT	1000.0									
LOAD POINT	-3.9	0.6	5.9	11.2	16.5	21.9	27.2	32.5	37.8	43.1
EMISSION RATE	1.2	1.2	2.5	2.2	2.2	3.4	6.6	12.8	20.7	25.0
THROTTLE	1.1	1.1	1.5	2.1	2.8	3.6	4.3	5.2	6.2	7.3
MANIFOLD	19.6	19.6	19.0	18.5	17.7	16.9	15.8	14.5	13.2	11.7

LOAD POINT	48.4	53.7	59.1	64.4	69.7	75.0	80.3	85.6	91.0	96.3
EMISSION RATE	23.4	19.0	15.6	14.6	16.3	20.4	25.4	28.8	34.0	77.9
THROTTLE	8.6	10.1	11.6	13.1	14.3	15.4	17.1	21.1	32.8	78.7
MANIFOLD	10.3	9.0	7.8	6.7	5.8	5.0	4.2	3.2	1.9	0.1
SPEED POINT 1500.0										
LOAD POINT	-9.4	0.5	6.5	12.5	18.5	24.5	30.5	36.5	42.5	48.5
EMISSION RATE	1.2	3.4	2.3	8.7	39.1	63.0	43.1	21.3	12.6	11.8
THRCTTLE	4.5	4.5	4.5	4.9	5.8	6.9	8.1	9.2	10.4	11.7
MANIFOLD	20.7	20.7	20.6	20.0	19.0	17.7	16.1	14.4	12.7	11.0
LOAD POINT	54.5	60.5	66.5	72.5	78.5	84.5	90.4	96.4	102.4	108.4
EMISSION RATE	17.5	33.4	60.7	64.2	64.2	51.0	38.9	45.1	64.2	64.2
THROTTLE	13.3	15.2	17.3	19.5	21.4	23.0	24.7	28.4	39.3	79.0
MANIFOLD	9.5	8.2	7.1	6.3	5.6	5.0	4.4	3.6	2.3	0.3
SPEED POINT 2000.0										
LOAD POINT	-14.9	0.0	6.4	12.7	19.1	25.5	31.8	38.2	44.5	50.9
EMISSION RATE	1.2	2.2	14.2	14.2	10.6	10.6	14.7	23.8	37.2	50.1
THROTTLE	5.0	5.0	5.9	7.4	9.1	10.9	12.6	14.1	15.5	16.9
MANIFOLD	22.0	22.0	21.4	19.9	18.0	16.1	14.2	12.7	11.4	10.4
LOAD POINT	57.3	63.6	70.0	76.4	82.7	89.1	95.5	101.8	108.2	114.5
EMISSION RATE	57.6	61.5	68.0	83.9	114.4	154.6	175.0	149.4	114.8	177.5
THROTTLE	18.4	20.2	22.3	24.6	27.0	29.5	32.7	38.0	49.1	79.0
MANIFOLD	9.5	8.8	8.1	7.3	6.4	5.2	3.9	2.5	1.3	0.5
SPEED POINT 2500.0										
LOAD POINT	-20.4	0.1	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0
EMISSION RATE	1.2	5.7	3.0	3.1	5.6	13.6	35.4	83.0	157.0	233.9
THROTTLE	7.6	7.6	8.8	10.2	11.8	13.4	15.2	16.9	18.8	20.7
MANIFOLD	22.0	22.0	20.1	18.5	17.0	15.7	14.5	13.4	12.2	11.1
LOAD POINT	58.5	65.0	71.5	78.0	84.5	91.0	97.5	104.0	110.5	117.0
EMISSION RATE	283.8	300.1	297.5	290.9	284.1	270.8	243.7	210.1	203.3	344.3
THROTTLE	22.7	24.9	27.2	29.7	32.4	35.6	39.9	46.3	57.2	78.8
MANIFOLD	10.0	8.8	7.7	6.7	5.6	4.6	3.6	2.6	1.6	0.6
SPEED POINT 3000.0										
LOAD POINT	-25.9	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.8	52.3
EMISSION RATE	1.2	5.2	17.6	24.1	31.7	51.7	98.1	183.4	292.8	374.9
THROTTLE	11.0	11.0	11.9	13.3	14.9	16.8	18.7	20.6	22.6	24.5
MANIFOLD	19.5	19.5	18.9	18.0	17.0	16.0	14.9	13.7	12.5	11.3
LOAD POINT	58.8	65.4	71.9	78.4	85.0	91.5	98.1	104.6	111.1	117.7
EMISSION RATE	392.8	370.6	343.0	332.5	335.5	325.8	274.3	195.7	151.4	283.7
THROTTLE	26.5	28.5	30.8	33.3	36.2	39.7	44.3	50.8	61.3	79.5
MANIFOLD	10.2	9.0	7.9	6.8	5.7	4.7	3.6	2.7	1.7	0.8
SPEED POINT 3500.0										
LOAD POINT	-31.4	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3
EMISSION RATE	1.2	3.2	11.8	30.8	61.2	102.0	153.5	218.3	299.6	396.4
THROTTLE	13.5	13.5	14.8	16.2	17.9	19.8	22.0	24.3	26.7	29.2
MANIFOLD	19.8	19.8	19.1	18.1	17.1	15.9	14.6	13.3	11.9	10.6
LOAD POINT	58.8	65.3	71.9	78.4	84.9	91.5	98.0	104.5	111.1	117.6
EMISSION RATE	498.0	581.4	588.7	588.7	509.0	405.2	311.8	248.3	223.3	249.7
THROTTLE	31.6	34.0	36.5	39.3	42.6	46.8	52.2	59.3	67.9	77.0
MANIFOLD	9.3	8.1	7.0	5.9	4.9	4.0	3.2	2.4	1.7	1.0
SPEED POINT 4300.0										
LOAD POINT	-40.2	1.6	7.7	13.9	20.0	26.2	32.3	38.4	44.6	50.7
EMISSION RATE	1.2	42.9	31.0	48.1	88.3	151.5	231.2	323.7	431.6	554.8
THROTTLE	18.2	18.2	14.5	15.6	19.0	23.4	27.7	30.9	32.9	34.2
MANIFOLD	19.1	19.1	18.2	17.2	16.1	15.0	13.8	12.6	11.5	10.3
LOAD POINT	56.8	63.0	69.1	75.3	81.4	87.5	93.7	99.8	106.0	112.1
EMISSION RATE	671.8	727.0	685.7	540.5	368.3	235.9	161.5	135.6	149.4	192.3
THROTTLE	35.4	37.3	40.2	44.4	49.4	54.7	59.5	63.4	67.9	77.8
MANIFOLD	9.2	8.0	6.9	5.7	4.7	3.7	2.8	2.0	1.6	1.5
SPEED POINT 5000.0										
LOAD POINT	-47.9	1.0	6.6	12.2	17.8	23.4	29.0	34.6	40.3	45.9
EMISSION RATE	1.2	49.0	65.7	103.6	156.9	219.1	291.5	383.9	508.1	664.8



THROTTLE	21.9	21.9	22.5	24.2	26.3	28.6	31.1	33.7	36.3	38.9
MANIFOLD	18.2	18.2	17.5	16.7	15.7	14.6	13.4	12.2	10.9	9.6
LOAD POINT	51.5	57.1	62.7	68.3	73.9	79.5	85.1	90.7	96.3	101.9
EMISSION RATE	26.0	918.7	918.7	798.5	630.0	480.1	370.8	281.4	169.2	46.5
THROTTLE	41.8	44.8	47.9	51.1	54.2	57.1	60.1	63.6	68.7	77.8
MANIFOLD	8.4	7.2	6.1	5.1	4.2	3.4	2.7	2.1	1.6	1.1
*ENGINE	X7FJL7		RPM			TORQUE		G/HR(*.1)		
1977 FORD	140.0	ENGINE	RAW	CO	MAP	CATALYTIC	CONVERTER			
DATA	3.781	3.126	4.	650.	5000.	.0500	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	8.4	9.6	10.7	11.9	13.1	14.3	15.5	16.7	17.9
EMISSION RATE	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	1.8	2.7
THROTTLE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.8	15.7
LOAD POINT	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	29.7
EMISSION RATE	3.7	5.1	6.6	8.4	10.4	12.6	15.1	17.8	20.7	23.9
THROTTLE	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8
MANIFOLD	15.6	15.4	15.3	15.1	14.9	14.7	14.5	14.3	14.0	13.8
SPEED POINT	750.0									
LOAD POINT	-1.1	0.2	1.3	2.4	3.5	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	2.2	2.2	2.3	2.4	2.6	2.7	2.8	3.0	3.2	3.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.0	17.7	17.3	17.1	16.8	16.6	16.4	16.2
LOAD POINT	10.0	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.7
EMISSION RATE	3.5	3.7	3.9	4.1	4.4	4.6	4.8	5.1	5.4	5.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
SPEED POINT	1000.0									
LOAD POINT	-3.9	0.6	5.9	11.2	16.5	21.9	27.2	32.5	37.8	43.1
EMISSION RATE	2.2	3.6	4.1	6.4	11.7	22.3	40.3	65.6	93.7	117.4
THROTTLE	1.1	1.1	1.5	2.1	2.8	3.6	4.3	5.2	6.2	7.3
MANIFOLD	19.6	19.6	19.0	18.5	17.7	16.9	15.8	14.5	13.2	11.7
LOAD POINT	48.4	53.7	59.1	64.4	69.7	75.0	80.3	85.6	91.0	96.3
EMISSION RATE	131.0	133.9	130.1	124.9	123.1	128.4	144.3	175.0	224.6	291.0
THROTTLE	8.6	10.1	11.6	13.1	14.3	15.4	17.1	21.1	32.8	78.7
MANIFOLD	10.3	9.0	7.8	6.7	5.8	5.0	4.2	3.2	1.9	0.1
SPEED POINT	1500.0									
LOAD POINT	-9.4	0.5	6.5	12.5	18.5	24.5	30.5	36.5	42.5	48.5
EMISSION RATE	2.2	12.4	14.4	18.2	23.6	30.7	39.1	48.4	58.1	68.3
THROTTLE	4.5	4.5	4.5	4.9	5.8	6.9	8.1	9.2	10.4	11.7
MANIFOLD	20.7	20.7	20.6	20.0	19.0	17.7	16.1	14.4	12.7	11.0
LOAD POINT	54.5	60.5	66.5	72.5	78.5	84.5	90.4	96.4	102.4	108.4
EMISSION RATE	79.1	91.7	107.5	128.9	159.2	202.3	262.8	342.8	435.5	515.6
THROTTLE	13.3	15.2	17.3	19.5	21.4	23.0	24.7	28.4	39.3	79.0
MANIFOLD	9.5	8.2	7.1	6.3	5.6	5.0	4.4	3.6	2.3	0.3
SPEED POINT	2000.0									
LOAD POINT	-14.9	0.0	6.4	12.7	19.1	25.5	31.8	38.2	44.5	50.9
EMISSION RATE	2.2	17.7	18.3	17.4	16.2	15.5	15.6	16.9	19.6	24.3
THROTTLE	5.0	5.0	5.9	7.4	9.1	10.9	12.6	14.1	15.5	16.9
MANIFOLD	22.0	22.0	21.4	19.9	18.0	16.1	14.2	12.7	11.4	10.4
LOAD POINT	57.3	63.6	70.0	76.4	82.7	89.1	95.5	101.8	108.2	114.5
EMISSION RATE	31.8	43.1	59.7	82.9	113.5	152.3	200.0	259.6	341.0	467.7
THROTTLE	18.4	20.2	22.3	24.6	27.0	29.5	32.7	38.0	49.1	79.0
MANIFOLD	9.5	8.8	8.1	7.3	6.4	5.2	3.9	2.5	1.3	0.5
SPEED POINT	2500.0									
LOAD POINT	-20.4	0.1	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0
EMISSION RATE	2.2	24.9	42.8	43.4	33.9	24.8	19.3	17.4	18.0	22.2
THROTTLE	7.6	7.6	8.8	10.2	11.8	13.4	15.2	16.9	18.8	20.7
MANIFOLD	22.0	22.0	20.1	18.5	17.0	15.7	14.5	13.4	12.2	11.1
LOAD POINT	58.5	65.0	71.5	78.0	84.5	91.0	97.5	104.0	110.5	117.0
EMISSION RATE	30.9	46.3	71.0	105.3	145.4	183.9	216.0	249.8	317.0	521.7

THROTTLE	22.7	24.9	27.2	29.7	32.4	35.6	39.9	46.3	57.2	78.8
MANIFOLD	10.0	8.8	7.7	6.7	5.6	4.6	3.6	2.6	1.6	0.6
SPEED POINT 3000.0										
LOAD POINT	-25.9	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.8	52.3
EMISSION RATE	2.2	29.7	24.3	19.6	16.0	13.6	12.1	11.6	12.0	13.5
THROTTLE	11.0	11.0	11.9	13.3	14.9	16.8	18.7	20.6	22.6	24.5
MANIFOLD	19.5	19.5	18.9	18.0	17.0	16.0	14.9	13.7	12.5	11.3
LOAD POINT	58.8	65.4	71.9	78.4	85.0	91.5	98.1	104.6	111.1	117.7
EMISSION RATE	16.6	22.3	32.4	50.2	81.8	136.5	226.9	361.8	531.0	682.8
THROTTLE	26.5	28.5	30.8	33.3	36.2	39.7	44.3	50.8	61.3	79.5
MANIFOLD	10.2	9.0	7.9	6.8	5.7	4.7	3.6	2.7	1.7	0.8
SPEED POINT 3500.0										
LOAD POINT	-31.4	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3
EMISSION RATE	2.2	37.4	38.9	30.2	21.0	14.8	11.6	10.7	11.2	13.8
THROTTLE	13.5	13.5	14.8	16.2	17.9	19.8	22.0	24.3	26.7	29.2
MANIFOLD	19.8	19.8	19.1	18.1	17.1	15.9	14.6	13.3	11.9	10.6
LOAD POINT	58.8	65.3	71.9	78.4	84.9	91.5	98.0	104.5	111.1	117.6
EMISSION RATE	19.1	28.5	44.0	67.5	99.9	141.5	194.6	272.9	426.8	852.1
THROTTLE	31.6	34.0	36.5	39.3	42.6	46.8	52.2	59.3	67.9	77.0
MANIFOLD	9.3	8.1	7.0	5.9	4.9	4.0	3.2	2.4	1.7	1.0
SPEED POINT 4300.0										
LOAD POINT	-40.2	1.6	7.7	13.9	20.0	26.2	32.3	38.4	44.6	50.7
EMISSION RATE	2.2	21.9	19.5	17.1	15.3	14.7	14.7	14.7	16.6	20.4
THROTTLE	18.2	18.2	14.5	15.6	19.0	23.4	27.7	30.9	32.9	34.2
MANIFOLD	19.1	19.1	18.2	17.2	16.1	15.0	13.8	12.6	11.5	10.3
LOAD POINT	56.8	63.0	69.1	75.3	81.4	87.5	93.7	99.8	106.0	112.1
EMISSION RATE	27.3	39.3	60.0	95.9	156.8	255.8	404.0	596.7	793.0	908.5
THROTTLE	35.4	37.3	40.2	44.4	49.4	54.7	59.5	63.4	67.9	77.8
MANIFOLD	9.2	8.0	6.9	5.7	4.7	3.7	2.8	2.0	1.6	1.5
SPEED POINT 5000.0										
LOAD POINT	-47.9	1.0	6.6	12.2	17.8	23.4	29.0	34.6	40.3	45.9
EMISSION RATE	2.2	20.5	19.6	17.6	16.1	15.6	16.5	19.2	24.5	33.6
THROTTLE	21.9	21.9	22.5	24.2	26.3	28.6	31.1	33.7	36.3	38.9
MANIFOLD	18.2	18.2	17.5	16.7	15.7	14.0	13.4	12.2	10.9	9.6
LOAD POINT	51.5	57.1	62.7	68.3	73.9	79.5	85.1	90.7	96.3	101.9
EMISSION RATE	48.6	72.0	106.3	153.3	212.8	283.9	368.8	482.3	671.5	1072.0
THROTTLE	41.8	44.8	47.9	51.1	54.2	57.1	60.1	63.6	68.7	77.8
MANIFOLD	8.4	7.2	6.1	5.1	4.2	3.4	2.7	2.1	1.6	1.1
*ENGINE		Y7FJL7		RPM		TORQUE		G/HR		
1977 FORD	140.0	ENGINE	RAW HC	MAP		CATALYTIC		CONVERTER		
DATA	3.781	3.126	4.	650.	5000.	.0500	.7160			
SPEED POINT 650.0										
LOAD POINT	0.0	8.4	9.6	10.7	11.9	13.1	14.3	15.5	16.7	17.9
EMISSION RATE	21.9	21.9	21.2	20.6	20.0	19.6	19.2	18.9	18.6	18.5
THROTTLE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.8	15.7
LOAD POINT	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	29.7
EMISSION RATE	18.5	18.5	18.6	18.8	19.1	19.4	19.8	20.4	21.0	21.6
THROTTLE	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8
MANIFOLD	15.6	15.4	15.3	15.1	14.9	14.7	14.5	14.3	14.0	13.8
SPEED POINT 750.0										
LOAD POINT	-1.1	0.2	1.3	2.4	3.5	4.5	5.6	6.7	7.8	8.9
EMISSION RATE	21.9	52.1	45.3	39.1	33.5	28.5	24.1	20.3	17.1	14.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.0	17.7	17.3	17.1	16.8	16.6	16.4	16.2
LOAD POINT	10.0	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.7
EMISSION RATE	13.4	13.4	13.4	13.4	13.4	13.4	13.4	14.3	16.9	20.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
SPEED POINT 1000.0										
LOAD POINT	-3.9	0.6	5.9	11.2	16.5	21.9	27.2	32.5	37.8	43.1

EMISSION RATE	21.9	13.6	13.7	15.6	19.1	23.7	29.0	34.4	39.1	42.7
THROTTLE	1.1	1.1	1.5	2.1	2.8	3.6	4.3	5.2	6.2	7.3
MANIFOLD	19.6	19.6	19.0	18.5	17.7	16.9	15.8	14.5	13.2	11.7
LOAD POINT	48.4	53.7	59.1	64.4	69.7	75.0	80.3	85.6	91.0	96.3
EMISSION RATE	45.2	46.6	47.7	49.1	51.3	54.8	60.1	66.9	74.5	80.5
THROTTLE	8.6	10.1	11.6	13.1	14.3	15.4	17.1	21.1	32.8	78.7
MANIFOLD	10.3	9.0	7.8	6.7	5.8	5.0	4.2	3.2	1.9	0.1
SPEED POINT	1500.0									
LOAD POINT	-9.4	0.5	6.5	12.5	18.5	24.5	30.5	36.5	42.5	48.5
EMISSION RATE	21.9	42.1	25.7	23.1	25.9	32.3	41.1	50.5	58.5	63.5
THROTTLE	4.5	4.5	4.5	4.9	5.8	6.9	8.1	9.2	10.4	11.7
MANIFOLD	20.7	20.7	20.6	20.0	19.0	17.7	16.1	14.4	12.7	11.0
LOAD POINT	54.5	60.5	66.5	72.5	78.5	84.5	90.4	96.4	102.4	108.4
EMISSION RATE	65.2	64.7	63.6	63.6	66.1	72.2	82.7	96.9	110.6	113.5
THROTTLE	13.3	15.2	17.3	19.5	21.4	23.0	24.7	28.4	39.3	79.0
MANIFOLD	9.5	8.2	7.1	6.3	5.6	5.0	4.4	3.6	2.3	0.3
SPEED POINT	2000.0									
LOAD POINT	-14.9	0.0	6.4	12.7	19.1	25.5	31.8	38.2	44.5	50.9
EMISSION RATE	21.9	19.1	22.7	28.2	35.3	43.4	51.8	59.8	66.4	71.5
THROTTLE	5.0	5.0	5.9	7.4	9.1	10.9	12.6	14.1	15.5	16.9
MANIFOLD	22.0	22.0	21.4	19.9	18.0	16.1	14.2	12.7	11.4	10.4
LOAD POINT	57.3	63.6	70.0	76.4	82.7	89.1	95.5	101.8	108.2	114.5
EMISSION RATE	75.0	77.6	80.0	82.9	87.3	93.7	102.8	114.7	128.8	142.6
THROTTLE	18.4	20.2	22.3	24.6	27.0	29.5	32.7	38.0	49.1	79.0
MANIFOLD	9.5	8.8	8.1	7.3	6.4	5.2	3.9	2.5	1.3	0.5
SPEED POINT	2500.0									
LOAD POINT	-20.4	0.1	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0
EMISSION RATE	21.9	22.6	33.0	47.8	62.7	71.6	70.9	62.3	50.6	40.3
THROTTLE	7.6	7.6	8.8	10.2	11.8	13.4	15.2	16.9	18.8	20.7
MANIFOLD	22.0	22.0	20.1	18.5	17.0	15.7	14.5	13.4	12.2	11.1
LOAD POINT	58.5	65.0	71.5	78.0	84.5	91.0	97.5	104.0	110.5	117.0
EMISSION RATE	33.2	30.0	31.1	37.8	53.6	85.3	140.3	167.6	167.6	144.1
THROTTLE	22.7	24.9	27.2	29.7	32.4	35.6	39.9	46.3	57.2	78.8
MANIFOLD	10.0	8.8	7.7	6.7	5.6	4.6	3.6	2.6	1.6	0.6
SPEED POINT	3000.0									
LOAD POINT	-25.9	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.8	52.3
EMISSION RATE	21.9	16.2	37.7	57.1	66.5	67.6	65.3	63.6	64.1	67.7
THROTTLE	11.0	11.0	11.9	13.3	14.9	16.8	18.7	20.6	22.6	24.5
MANIFOLD	19.5	19.5	18.9	18.0	17.0	16.0	14.9	13.7	12.5	11.3
LOAD POINT	58.8	65.4	71.9	78.4	85.0	91.5	98.1	104.6	111.1	117.7
EMISSION RATE	74.2	83.2	93.6	103.4	111.0	115.9	119.8	128.0	151.6	209.3
THROTTLE	26.5	28.5	30.8	33.3	36.2	39.7	44.3	50.8	61.3	79.5
MANIFOLD	10.2	9.0	7.9	6.8	5.7	4.7	3.6	2.7	1.7	0.8
SPEED POINT	3500.0									
LOAD POINT	-31.4	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3
EMISSION RATE	21.9	39.0	42.1	45.5	49.3	53.9	59.2	65.0	70.9	76.3
THROTTLE	13.5	13.5	14.8	16.2	17.9	19.8	22.0	24.3	26.7	29.2
MANIFOLD	19.8	19.8	19.1	18.1	17.1	15.9	14.6	13.3	11.9	10.6
LOAD POINT	58.8	65.3	71.9	78.4	84.9	91.5	98.0	104.5	111.1	117.6
EMISSION RATE	80.6	83.3	84.3	84.1	83.8	85.1	90.6	105.4	140.8	225.4
THROTTLE	31.6	34.0	36.5	39.3	42.6	46.8	52.2	59.3	67.9	77.0
MANIFOLD	9.3	8.1	7.0	5.9	4.9	4.0	3.2	2.4	1.7	1.0
SPEED POINT	4300.0									
LOAD POINT	-40.2	1.6	7.7	13.9	20.0	26.2	32.3	38.4	44.6	50.7
EMISSION RATE	21.9	100.6	85.4	65.2	50.0	41.1	37.7	38.4	43.2	52.1
THROTTLE	18.2	18.2	14.5	15.6	19.0	23.4	27.7	30.9	32.9	34.2
MANIFOLD	19.1	19.1	18.2	17.2	16.1	15.0	13.8	12.6	11.5	10.3
LOAD POINT	56.8	63.0	69.1	75.3	81.4	87.5	93.7	99.8	106.0	112.1
EMISSION RATE	64.8	79.9	94.3	103.9	106.1	102.1	97.1	99.0	122.8	220.8
THROTTLE	35.4	37.3	40.2	44.4	49.4	54.7	59.5	63.4	67.9	77.8
MANIFOLD	9.2	8.0	6.9	5.7	4.7	3.7	2.8	2.0	1.6	1.5

SPEED POINT	5000.0										
LOAD POINT	-47.9	1.0	6.6	12.2	17.8	23.4	29.0	34.6	40.3	45.9	
EMISSION RATE	21.9	141.5	90.2	64.8	52.3	46.9	45.8	47.6	51.3	56.1	
THROTTLE	21.9	21.9	22.5	24.2	26.3	28.6	31.1	33.7	36.3	38.9	
MANIFOLD	18.2	18.2	17.5	16.7	15.7	14.6	13.4	12.2	10.9	9.6	
LOAD POINT	51.5	57.1	62.7	68.3	73.9	79.5	85.1	90.7	96.3	101.9	
EMISSION RATE	60.7	64.0	65.3	64.6	62.9	62.3	65.9	80.0	122.4	245.8	
THROTTLE	41.8	44.8	47.9	51.1	54.2	57.1	60.1	63.6	68.7	77.8	
MANIFOLD	8.4	7.2	6.1	5.1	4.2	3.4	2.7	2.1	1.6	1.1	
*ENGINE	Z7FJL7			RPM		TORQUE		G/HR			
1977 FORD	140.0	ENGINE	RAW NOX MAP		CATALYTIC	CONVERTER					
DATA	3.781	3.126	4.	650.	5000.	.0500	.7160				
SPEED POINT	650.0										
LOAD POINT	0.0	8.4	9.6	10.7	11.9	13.1	14.3	15.5	16.7	17.9	
EMISSION RATE	0.7	0.7	0.7	0.8	0.9	1.1	1.2	1.4	1.6	1.8	
THROTTLE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.0	16.0	16.0	16.0	16.0	16.0	15.9	15.9	15.8	15.7	
LOAD POINT	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	29.7	
EMISSION RATE	2.0	2.2	2.5	2.8	3.1	3.4	3.8	4.1	4.5	4.9	
THROTTLE	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.8	
MANIFOLD	15.6	15.4	15.3	15.1	14.9	14.7	14.5	14.3	14.0	13.8	
SPEED POINT	750.0										
LOAD POINT	-1.1	0.2	1.3	2.4	3.5	4.5	5.6	6.7	7.8	8.9	
EMISSION RATE	0.7	6.9	6.1	5.3	4.6	4.0	3.5	3.0	2.6	2.3	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	18.4	18.4	18.0	17.7	17.3	17.1	16.8	16.6	16.4	16.2	
LOAD POINT	10.0	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.6	19.7	
EMISSION RATE	2.1	1.9	1.8	1.8	1.8	1.9	2.1	2.4	2.7	3.2	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.1	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
SPEED POINT	1000.0										
LOAD POINT	-3.9	0.6	5.9	11.2	16.5	21.9	27.2	32.5	37.8	43.1	
EMISSION RATE	0.7	1.0	1.7	2.4	3.4	5.4	8.8	13.5	18.0	20.5	
THROTTLE	1.1	1.1	1.5	2.1	2.8	3.6	4.3	5.2	6.2	7.3	
MANIFOLD	19.6	19.6	19.0	18.5	17.7	16.9	15.8	14.5	13.2	11.7	
LOAD POINT	48.4	53.7	59.1	64.4	69.7	75.0	80.3	85.6	91.0	96.3	
EMISSION RATE	20.6	19.3	18.0	17.8	19.0	21.7	25.8	31.7	43.9	92.6	
THROTTLE	3.6	10.1	11.6	13.1	14.3	15.4	17.1	21.1	32.8	78.7	
MANIFOLD	10.3	9.0	7.8	6.7	5.8	5.0	4.2	3.2	1.9	0.1	
SPEED POINT	1500.0										
LOAD POINT	-9.4	0.5	6.5	12.5	18.5	24.5	30.5	36.5	42.5	48.5	
EMISSION RATE	0.7	9.5	2.5	8.9	39.6	76.1	66.2	40.1	26.3	24.2	
THROTTLE	4.5	4.5	4.5	4.9	5.8	6.9	8.1	9.2	10.4	11.7	
MANIFOLD	20.7	20.7	20.6	20.0	19.0	17.7	16.1	14.4	12.7	11.0	
LOAD POINT	54.5	60.5	66.5	72.5	78.5	84.5	90.4	96.4	102.4	108.4	
EMISSION RATE	31.8	50.6	76.0	76.9	73.5	52.1	42.5	52.3	76.9	63.9	
THROTTLE	13.3	15.2	17.3	19.5	21.4	23.0	24.7	28.4	39.3	79.0	
MANIFOLD	9.5	8.2	7.1	6.3	5.6	5.0	4.4	3.6	2.3	0.3	
SPEED POINT	2000.0										
LOAD POINT	-14.9	0.0	6.4	12.7	19.1	25.5	31.8	38.2	44.5	50.9	
EMISSION RATE	0.7	3.3	35.2	28.1	15.0	12.7	18.6	37.3	75.7	127.3	
THROTTLE	5.0	5.0	5.9	7.4	9.1	10.9	12.6	14.1	15.5	16.9	
MANIFOLD	22.0	22.0	21.4	19.9	18.0	16.1	14.2	12.7	11.4	10.4	
LOAD POINT	57.3	63.6	70.0	76.4	82.7	89.1	95.5	101.8	108.2	114.5	
EMISSION RATE	167.5	183.8	190.0	205.2	235.0	246.8	235.6	161.9	109.9	207.5	
THROTTLE	18.4	20.2	22.3	24.6	27.0	29.5	32.7	38.0	49.1	79.0	
MANIFOLD	9.5	8.8	8.1	7.3	6.4	5.2	3.9	2.5	1.3	0.5	
SPEED POINT	2500.0										
LOAD POINT	-20.4	0.1	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0	
EMISSION RATE	0.7	10.2	8.2	9.4	15.9	30.8	60.4	109.5	175.2	243.5	
THROTTLE	7.6	7.6	8.8	10.2	11.8	13.4	15.2	16.9	18.8	20.7	

MANIFOLD	22.0	22.0	20.1	18.5	17.0	15.7	14.5	13.4	12.2	11.1
LOAD POINT	58.5	65.0	71.5	78.0	84.5	91.0	97.5	104.0	110.5	117.0
EMISSION RATE	297.1	327.1	336.4	334.6	330.9	330.3	333.6	338.5	341.8	344.5
THROTTLE	22.7	24.9	27.2	29.7	32.4	35.6	39.9	46.3	57.2	78.8
MANIFOLD	10.0	8.8	7.7	6.7	5.6	4.6	3.6	2.6	1.6	0.6
SPEED POINT 3000.0										
LOAD POINT	-25.9	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.8	52.3
EMISSION RATE	0.7	5.4	10.3	19.9	37.7	68.0	113.9	174.3	243.0	310.8
THROTTLE	11.0	11.0	11.9	13.3	14.9	16.8	18.7	20.6	22.6	24.5
MANIFOLD	19.5	19.5	18.9	18.0	17.0	16.0	14.9	13.7	12.5	11.3
LOAD POINT	58.8	65.4	71.9	78.4	85.0	91.5	98.1	104.6	111.1	117.7
EMISSION RATE	370.4	418.3	454.1	477.4	484.8	474.4	441.1	391.4	341.6	319.5
THROTTLE	26.5	28.5	30.8	33.3	36.2	39.7	44.3	50.8	61.3	79.5
MANIFOLD	10.2	9.0	7.9	6.8	5.7	4.7	3.6	2.7	1.7	0.8
SPEED POINT 3500.0										
LOAD POINT	-31.4	0.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3
EMISSION RATE	0.7	4.3	13.9	29.3	52.1	88.0	143.6	221.9	316.0	408.6
THROTTLE	13.5	13.5	14.8	16.2	17.9	19.8	22.0	24.3	26.7	29.2
MANIFOLD	19.8	19.8	19.1	18.1	17.1	15.9	14.6	13.3	11.9	10.6
LOAD POINT	58.8	65.3	71.9	78.4	84.9	91.5	98.0	104.5	111.1	117.6
EMISSION RATE	482.6	531.9	563.9	590.8	619.5	643.9	641.9	585.4	469.3	332.2
THROTTLE	31.6	34.0	36.5	39.3	42.6	46.8	52.2	59.3	67.9	77.0
MANIFOLD	9.3	8.1	7.0	5.9	4.9	4.0	3.2	2.4	1.7	1.0
SPEED POINT 4300.0										
LOAD POINT	-40.2	1.6	7.7	13.9	20.0	26.2	32.3	38.4	44.6	50.7
EMISSION RATE	0.7	22.6	36.3	62.6	103.8	160.7	232.7	319.0	417.2	520.2
THROTTLE	18.2	18.2	14.5	15.6	19.0	23.4	27.7	30.9	32.9	34.2
MANIFOLD	19.1	19.1	18.2	17.2	16.1	15.0	13.8	12.6	11.5	10.3
LOAD POINT	56.8	63.0	69.1	75.3	81.4	87.5	93.7	99.8	106.0	112.1
EMISSION RATE	614.4	682.7	702.8	702.8	690.8	675.9	679.6	688.9	635.2	415.1
THROTTLE	35.4	37.3	40.2	44.4	49.4	54.7	59.5	63.4	67.9	77.8
MANIFOLD	9.2	8.0	6.9	5.7	4.7	3.7	2.8	2.0	1.6	1.5
SPEED POINT 5000.0										
LOAD POINT	-47.9	1.0	6.6	12.2	17.8	23.4	29.0	34.6	40.3	45.9
EMISSION RATE	0.7	47.4	63.3	100.5	153.5	217.4	293.4	389.8	515.2	665.7
THROTTLE	21.9	21.9	22.5	24.2	26.3	28.6	31.1	33.7	36.3	38.9
MANIFOLD	18.2	18.2	17.5	16.7	15.7	14.6	13.4	12.2	10.9	9.0
LOAD POINT	51.5	57.1	62.7	68.3	73.9	79.5	85.1	90.7	96.3	101.9
EMISSION RATE	811.1	898.9	897.5	821.9	734.0	692.0	727.0	809.2	724.3	266.9
THROTTLE	41.8	44.8	47.9	51.1	54.2	57.1	60.1	63.6	68.7	77.8
MANIFOLD	8.4	7.2	6.1	5.1	4.2	3.4	2.7	2.1	1.6	1.1

B.2 1977 FORD 171 CID (2.8 LITER), 2 BBL

*ENGINE	F7FJL7		RPM		TORQUE		LB/HR				
1977 FORD	171.0	ENGINE	FUEL	MAP	CATALYTIC	CONVERTER					
DATA 2 BBL	3.660	2.700	6.	700.	4600.	.0800	.7160				
SPEED POINT	700.0										
LOAD POINT	0.0	9.7	10.8	12.0	13.1	14.3	15.4	16.6	17.7	18.8	
FUEL RATE	2.3	2.3	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	17.8	
LOAD POINT	20.0	21.1	22.3	23.4	24.6	25.7	26.9	28.0	29.1	30.3	
FUEL RATE	2.6	2.6	2.7	2.8	2.8	2.9	3.0	3.0	3.0	2.9	
THROTTLE	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
MANIFOLD	17.1	16.5	16.2	16.2	16.4	16.8	17.2	17.3	16.7	15.0	
SPEED POINT	750.0										
LOAD POINT	-1.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7	10.6	
FUEL RATE	2.3	2.2	2.7	2.9	2.9	2.9	2.8	2.6	2.5	2.4	
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0	
MANIFOLD	19.8	19.8	19.8	19.5	19.1	18.8	18.7	18.7	18.8	19.1	
LOAD POINT	11.6	12.5	13.5	14.4	15.4	16.3	17.3	18.2	19.2	20.1	
FUEL RATE	2.3	2.4	2.5	2.6	2.8	2.9	2.9	2.9	2.9	2.6	
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
MANIFOLD	19.4	19.7	19.9	19.9	19.8	19.3	18.8	18.1	17.5	17.2	
SPEED POINT	1000.0										
LOAD POINT	-5.7	2.5	9.7	17.0	24.2	31.4	38.7	45.9	53.1	60.4	
FUEL RATE	2.3	2.8	3.1	3.5	4.1	4.6	5.2	5.8	6.4	6.9	
THROTTLE	1.3	1.3	1.8	2.4	3.2	3.9	4.5	5.0	5.6	6.4	
MANIFOLD	20.2	20.2	19.1	18.1	17.3	16.3	15.0	13.6	11.9	10.1	
LOAD POINT	67.6	74.8	82.1	89.3	96.5	103.8	111.0	118.2	125.5	132.7	
FUEL RATE	7.4	7.9	8.4	8.9	9.4	10.0	10.7	11.5	12.6	13.9	
THROTTLE	7.6	9.4	11.6	13.9	15.8	16.9	17.6	19.6	28.6	75.0	
MANIFOLD	8.2	6.5	5.0	3.7	2.9	2.3	2.0	1.8	1.4	0.4	
SPEED POINT	1600.0										
LOAD POINT	-17.1	4.2	11.4	18.6	25.8	33.0	40.2	47.4	54.6	61.8	
FUEL RATE	2.3	4.7	5.8	6.9	8.0	9.1	10.1	11.2	12.2	13.1	
THROTTLE	3.7	3.7	4.8	5.8	6.7	7.5	8.3	9.1	10.1	11.3	
MANIFOLD	20.9	20.9	20.5	19.1	17.2	15.0	12.8	10.8	9.0	7.5	
LOAD POINT	69.1	76.3	83.5	90.7	97.9	105.1	112.3	119.5	126.7	133.9	
FUEL RATE	14.1	15.0	15.9	16.8	17.8	18.7	19.7	20.8	22.0	23.2	
THROTTLE	12.6	14.2	15.8	17.6	19.4	21.5	24.6	30.1	42.3	74.7	
MANIFOLD	6.3	5.4	4.6	4.0	3.5	3.0	2.4	1.7	1.1	0.4	
SPEED POINT	2000.0										
LOAD POINT	-24.7	2.0	9.5	17.0	24.4	31.9	39.4	46.9	54.3	61.8	
FUEL RATE	2.3	6.2	7.3	8.6	9.9	11.2	12.4	13.6	14.8	15.9	
THROTTLE	5.0	5.0	5.5	6.7	8.2	9.7	11.0	11.9	12.8	13.7	
MANIFOLD	21.0	21.0	19.7	17.3	14.7	12.2	10.1	8.4	7.1	6.2	
LOAD POINT	69.3	76.8	84.2	91.7	99.2	106.7	114.1	121.6	129.1	136.6	
FUEL RATE	17.0	18.0	19.1	20.1	21.2	22.3	23.5	24.8	26.4	28.1	
THROTTLE	14.8	16.4	18.6	21.3	24.6	28.4	32.8	38.7	49.4	75.0	
MANIFOLD	5.6	5.1	4.7	4.3	3.6	2.8	1.9	1.0	0.4	0.5	
SPEED POINT	2400.0										
LOAD POINT	-32.4	5.9	13.1	20.3	27.5	34.7	41.8	49.0	56.2	63.4	
FUEL RATE	2.3	6.7	8.1	9.6	11.0	12.3	13.5	14.6	15.8	16.9	
THROTTLE	6.5	6.5	7.8	9.4	10.9	12.2	13.1	13.8	14.6	15.7	
MANIFOLD	21.0	21.0	18.4	15.6	13.2	11.2	9.6	8.3	7.3	6.6	
LOAD POINT	70.6	77.8	85.0	92.2	99.4	106.5	113.7	120.9	128.1	135.3	
FUEL RATE	18.1	19.2	20.4	21.7	22.9	24.2	25.5	26.8	28.1	29.3	
THROTTLE	17.3	19.4	21.9	24.7	27.3	29.6	31.9	35.6	45.1	75.0	
MANIFOLD	5.9	5.4	4.9	4.3	3.8	3.2	2.5	1.9	1.4	1.0	
SPEED POINT	2800.0										
LOAD POINT	-40.0	7.0	14.0	21.1	28.1	35.2	42.2	49.3	56.3	63.3	
FUEL RATE	2.3	9.9	11.6	12.9	13.9	14.8	15.7	16.5	17.5	18.6	
THROTTLE	9.0	9.0	10.7	11.9	12.6	13.3	14.1	15.2	16.5	18.1	

MANIFOLD	16.0	16.0	14.0	12.6	11.5	10.7	9.9	9.2	8.4	7.6
LOAD POINT	70.4	77.4	84.5	91.5	98.6	105.6	112.7	119.7	126.8	133.8
FUEL RATE	19.9	21.4	23.1	24.9	26.8	28.8	30.7	32.5	34.0	35.1
THROTTLE	19.9	21.9	24.1	26.7	30.0	34.3	40.4	48.9	60.6	74.9
MANIFOLD	6.8	6.0	5.1	4.4	3.6	3.0	2.5	2.0	1.5	0.9
SPEED POINT	3200.0									
LOAD POINT	-47.6	7.5	14.3	21.2	28.1	34.9	41.8	48.6	55.5	62.4
FUEL RATE	2.3	13.0	13.8	14.9	16.3	17.5	19.6	21.3	22.9	24.5
THROTTLE	11.0	11.0	11.8	12.8	13.8	14.8	15.9	17.1	18.5	20.4
MANIFOLD	14.3	14.3	13.9	13.3	12.4	11.4	10.3	9.3	8.3	7.3
LOAD POINT	69.2	76.1	82.9	89.8	96.6	103.5	110.4	117.2	124.1	130.9
FUEL RATE	26.1	27.5	28.9	30.2	31.6	33.0	34.5	36.3	38.5	41.1
THROTTLE	22.6	25.3	28.4	31.7	35.0	38.2	41.6	46.4	55.1	74.9
MANIFOLD	6.4	5.6	4.9	4.2	3.6	3.0	2.5	2.0	1.5	1.0
SPEED POINT	3600.0									
LOAD POINT	-55.2	9.0	15.5	22.0	28.5	35.0	41.5	48.0	54.5	61.0
FUEL RATE	2.3	14.7	15.3	16.2	17.4	18.8	20.3	21.9	23.6	25.4
THROTTLE	12.1	12.1	13.0	14.1	15.2	16.3	17.5	18.9	20.6	22.7
MANIFOLD	14.5	14.5	14.0	13.3	12.4	11.4	10.4	9.3	8.2	7.2
LOAD POINT	67.5	74.0	80.5	87.0	93.5	100.0	106.4	112.9	119.4	125.9
FUEL RATE	27.2	29.0	30.9	32.7	34.6	36.6	38.7	41.0	43.5	46.2
THROTTLE	25.5	28.4	31.7	34.9	37.7	39.8	41.8	45.1	53.1	74.9
MANIFOLD	6.2	5.4	4.7	4.2	3.7	3.3	2.9	2.5	1.9	1.0
SPEED POINT	4600.0									
LOAD POINT	-74.2	10.4	15.8	21.3	26.7	32.1	37.5	43.0	48.4	53.8
FUEL RATE	2.3	18.8	19.4	20.3	21.3	22.5	23.8	25.2	26.7	28.4
THROTTLE	15.5	15.5	15.9	16.7	17.8	18.8	20.0	21.2	22.8	24.8
MANIFOLD	13.5	13.5	13.0	12.5	11.9	11.2	10.4	9.6	8.8	7.9
LOAD POINT	59.3	64.7	70.1	75.6	81.0	86.4	91.9	97.3	102.7	108.1
FUEL RATE	30.1	31.9	33.9	36.0	38.2	40.6	43.2	46.0	49.1	52.4
THROTTLE	27.2	29.9	32.8	35.6	37.7	39.3	40.7	43.7	51.7	75.0
MANIFOLD	7.1	6.4	5.7	5.1	4.6	4.1	3.7	3.2	2.7	2.0
*ENGINE	C7FJL7		RPM		TORQUE		G/HR(*.1)			
1977 FORD	171.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	3.660	2.700	6.	700.	4600.	.0800	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	9.7	10.8	12.0	13.1	14.3	15.4	16.6	17.7	18.8
EMISSION RATE	6.9	6.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	17.8
LOAD POINT	20.0	21.1	22.3	23.4	24.6	25.7	26.9	28.0	29.1	30.3
EMISSION RATE	5.8	0.9	0.9	0.9	0.9	0.9	0.9	3.9	58.0	2.3
THROTTLE	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MANIFOLD	17.1	16.5	16.2	16.2	16.4	16.8	17.2	17.3	16.7	15.0
SPEED POINT	750.0									
LOAD POINT	-1.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7	10.6
EMISSION RATE	6.9	55.2	77.8	77.8	77.8	77.8	77.8	72.4	60.4	54.5
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
MANIFOLD	19.8	19.8	19.8	19.5	19.1	18.8	18.7	18.7	18.8	19.1
LOAD POINT	11.6	12.5	13.5	14.4	15.4	16.3	17.3	18.2	19.2	20.1
EMISSION RATE	52.9	53.7	55.7	57.0	56.4	53.6	49.3	46.9	46.9	57.5
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	19.4	19.7	19.9	19.9	19.8	19.3	18.8	18.1	17.5	17.2
SPEED POINT	1000.0									
LOAD POINT	-5.7	2.5	9.7	17.0	24.2	31.4	38.7	45.9	53.1	60.4
EMISSION RATE	6.9	46.3	42.1	26.5	14.9	9.0	6.3	5.5	5.7	6.9
THROTTLE	1.3	1.3	1.8	2.4	3.2	3.9	4.5	5.0	5.6	6.4
MANIFOLD	20.2	20.2	19.1	18.1	17.3	16.3	15.0	13.6	11.9	10.1
LOAD POINT	67.6	74.8	82.1	89.3	96.5	103.8	111.0	118.2	125.5	132.7
EMISSION RATE	9.1	12.3	15.8	18.6	19.9	20.0	20.8	26.4	53.3	241.3
THROTTLE	7.6	9.4	11.6	13.9	15.8	16.9	17.6	19.6	28.6	75.0

MANIFOLD	8.2	6.5	5.0	3.7	2.9	2.3	2.0	1.8	1.4	0.4
SPEED POINT 1600.0										
LOAD POINT	-17.1	4.2	11.4	18.6	25.8	33.0	40.2	47.4	54.6	61.8
EMISSION RATE	6.9	2.8	4.6	8.1	14.8	27.5	50.4	89.6	151.4	238.7
THROTTLE	3.7	3.7	4.8	5.8	6.7	7.5	8.3	9.1	10.1	11.3
MANIFOLD	20.9	20.9	20.5	19.1	17.2	15.0	12.8	10.8	9.0	7.5
LOAD POINT	69.1	76.3	83.5	90.7	97.9	105.1	112.3	119.5	126.7	133.9
EMISSION RATE	346.2	457.9	551.3	607.5	622.3	607.9	588.2	593.2	665.9	880.5
THROTTLE	12.6	14.2	15.8	17.6	19.4	21.5	24.6	30.1	42.3	74.7
MANIFOLD	6.3	5.4	4.6	4.0	3.5	3.0	2.4	1.7	1.1	0.4
SPEED POINT 2000.0										
LOAD POINT	-24.7	2.0	9.5	17.0	24.4	31.9	39.4	46.9	54.3	61.8
EMISSION RATE	6.9	6.8	9.3	12.1	15.7	21.5	31.0	47.1	74.1	117.5
THROTTLE	5.0	5.0	5.5	6.7	8.2	9.7	11.0	11.9	12.8	13.7
MANIFOLD	21.0	21.0	19.7	17.3	14.7	12.2	10.1	8.4	7.1	6.2
LOAD POINT	69.3	76.8	84.2	91.7	99.2	106.7	114.1	121.6	129.1	136.6
EMISSION RATE	181.4	264.6	354.9	430.2	469.6	468.9	445.3	430.0	466.4	651.5
THROTTLE	14.8	16.4	18.6	21.3	24.6	28.4	32.8	38.7	49.4	75.0
MANIFOLD	5.6	5.1	4.7	4.3	3.6	2.8	1.9	1.0	0.4	0.5
SPEED POINT 2400.0										
LOAD POINT	-32.4	5.9	13.1	20.3	27.5	34.7	41.8	49.0	56.2	63.4
EMISSION RATE	6.9	7.6	0.6	0.5	1.4	6.9	32.2	103.4	194.9	194.9
THROTTLE	6.5	6.5	7.8	9.4	10.9	12.2	13.1	13.8	14.6	15.7
MANIFOLD	21.0	21.0	18.4	15.6	13.2	11.2	9.6	8.3	7.3	6.6
LOAD POINT	70.6	77.8	85.0	92.2	99.4	106.5	113.7	120.9	128.1	135.3
EMISSION RATE	193.2	130.2	88.8	73.5	83.4	131.9	194.9	194.9	194.9	87.1
THROTTLE	17.3	19.4	21.9	24.7	27.3	29.6	31.9	35.6	45.1	75.0
MANIFOLD	5.9	5.4	4.9	4.3	3.8	3.2	2.5	1.9	1.4	1.0
SPEED POINT 2800.0										
LOAD POINT	-40.0	7.0	14.0	21.1	28.1	35.2	42.2	49.3	56.3	63.3
EMISSION RATE	6.9	13.0	20.4	27.3	31.7	34.5	37.0	40.3	45.6	53.9
THROTTLE	9.0	9.0	10.7	11.9	12.6	13.3	14.1	15.2	16.5	18.1
MANIFOLD	16.0	16.0	14.0	12.6	11.5	10.7	9.9	9.2	8.4	7.6
LOAD POINT	70.4	77.4	84.5	91.5	98.6	105.6	112.7	119.7	126.8	133.8
EMISSION RATE	66.7	85.3	111.5	146.4	190.1	240.6	294.2	347.1	397.9	452.1
THROTTLE	19.9	21.9	24.1	26.7	30.0	34.3	40.4	48.9	60.6	74.9
MANIFOLD	6.8	6.0	5.1	4.4	3.6	3.0	2.5	2.0	1.5	0.9
SPEED POINT 3200.0										
LOAD POINT	-47.6	7.5	14.3	21.2	28.1	34.9	41.8	48.6	55.5	62.4
EMISSION RATE	6.9	25.1	37.4	50.4	60.4	70.9	86.3	110.2	145.5	192.0
THROTTLE	11.0	11.0	11.8	12.8	13.8	14.8	15.9	17.1	18.5	20.4
MANIFOLD	14.3	14.3	13.9	13.3	12.4	11.4	10.3	9.3	8.3	7.3
LOAD POINT	69.2	76.1	82.9	89.8	96.6	103.5	110.4	117.2	124.1	130.9
EMISSION RATE	242.7	282.0	292.1	267.1	220.3	174.4	148.3	161.0	285.0	1134.0
THROTTLE	22.6	25.3	28.4	31.7	35.0	38.2	41.6	46.4	55.1	74.9
MANIFOLD	6.4	5.6	4.9	4.2	3.6	3.0	2.5	2.0	1.5	1.0
SPEED POINT 3600.0										
LOAD POINT	-55.2	9.0	15.5	22.0	28.5	35.0	41.5	48.0	54.5	61.0
EMISSION RATE	6.9	28.5	35.7	42.7	46.6	48.6	50.5	53.7	59.6	69.5
THROTTLE	12.1	12.1	13.0	14.1	15.2	16.3	17.5	18.9	20.6	22.7
MANIFOLD	14.5	14.5	14.0	13.3	12.4	11.4	10.4	9.3	8.2	7.2
LOAD POINT	67.5	74.0	80.5	87.0	93.5	100.0	106.4	112.9	119.4	125.9
EMISSION RATE	85.8	111.5	151.6	212.9	304.7	437.1	618.0	847.1	1109.1	1370.1
THROTTLE	25.3	28.4	31.7	34.9	37.7	39.8	41.8	45.1	53.1	74.9
MANIFOLD	6.2	5.4	4.7	4.2	3.7	3.3	2.9	2.5	1.9	1.0
SPEED POINT 4600.0										
LOAD POINT	-74.2	10.4	15.8	21.3	26.7	32.1	37.5	43.0	48.4	53.8
EMISSION RATE	6.9	31.1	55.3	66.3	64.7	59.6	57.3	60.9	73.5	100.0
THROTTLE	15.5	15.5	15.9	16.7	17.8	18.8	20.0	21.2	22.8	24.8
MANIFOLD	13.5	13.5	13.0	12.5	11.9	11.2	10.4	9.6	8.8	7.9
LOAD POINT	59.3	64.7	70.1	75.6	81.0	86.4	91.9	97.3	102.7	108.1



EMISSION RATE	149.8	237.9	382.1	593.2	855.4	1116.9	1313.6	1423.2	1503.5	1708.3
THROTTLE	27.2	29.9	32.8	35.6	37.7	39.3	40.7	43.7	51.7	75.0
MANIFOLD	7.1	6.4	5.7	5.1	4.6	4.1	3.7	3.2	2.7	2.0
*ENGINE	H7FJL7		RPM		TORQUE		G/HR			
1977 FORD DATA	171.0	ENGINE	HC	MAP	CATALYTIC		CONVERTER			
	3.660	2.700	6.	700.	4600.	.0800	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	9.7	10.8	12.0	13.1	14.3	15.4	16.6	17.7	18.8
EMISSION RATE	2.9	2.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	17.8
LOAD POINT	20.0	21.1	22.3	23.4	24.6	25.7	26.9	28.0	29.1	30.3
EMISSION RATE	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.2	4.7	2.4
THROTTLE	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MANIFOLD	17.1	16.5	16.2	16.2	16.4	16.8	17.2	17.3	16.7	15.0
SPEED POINT	750.0									
LOAD POINT	-1.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7	10.6
EMISSION RATE	2.9	4.9	7.0	7.0	7.0	5.6	4.1	4.1	4.5	6.7
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
MANIFOLD	19.8	19.8	19.8	19.5	19.1	18.8	18.7	18.7	18.8	19.1
LOAD POINT	11.6	12.5	13.5	14.4	15.4	16.3	17.3	18.2	19.2	20.1
EMISSION RATE	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.8	4.5	5.4
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	19.4	19.7	19.9	19.9	19.8	19.3	18.8	18.1	17.5	17.2
SPEED POINT	1000.0									
LOAD POINT	-5.7	2.5	9.7	17.0	24.2	31.4	38.7	45.9	53.1	60.4
EMISSION RATE	2.9	4.9	3.8	2.8	2.2	1.9	1.9	2.0	2.4	2.8
THROTTLE	1.3	1.3	1.8	2.4	3.2	3.9	4.5	5.0	5.6	6.4
MANIFOLD	20.2	20.2	19.1	18.1	17.3	16.3	15.0	13.6	11.9	10.1
LOAD POINT	67.6	74.8	82.1	89.3	96.5	103.8	111.0	118.2	125.5	132.7
EMISSION RATE	3.4	3.9	4.2	4.1	3.8	3.3	2.9	3.0	4.2	9.9
THROTTLE	7.6	9.4	11.6	13.9	15.8	16.9	17.6	19.6	28.6	75.0
MANIFOLD	8.2	6.5	5.0	3.7	2.9	2.3	2.0	1.8	1.4	0.4
SPEED POINT	1600.0									
LOAD POINT	-17.1	4.2	11.4	18.6	25.8	33.0	40.2	47.4	54.6	61.8
EMISSION RATE	2.9	3.7	2.2	2.2	2.3	3.0	4.0	5.4	7.0	8.5
THROTTLE	3.7	3.7	4.8	5.8	6.7	7.5	8.3	9.1	10.1	11.3
MANIFOLD	20.9	20.9	20.5	19.1	17.2	15.0	12.8	10.8	9.0	7.5
LOAD POINT	69.1	76.3	83.5	90.7	97.9	105.1	112.3	119.5	126.7	133.9
EMISSION RATE	9.8	10.6	11.2	11.8	12.4	13.4	14.9	16.8	18.8	19.6
THROTTLE	12.6	14.2	15.8	17.6	19.4	21.5	24.6	30.1	42.3	74.7
MANIFOLD	6.3	5.4	4.6	4.0	3.5	3.0	2.4	1.7	1.1	0.4
SPEED POINT	2000.0									
LOAD POINT	-24.7	2.0	9.5	17.0	24.4	31.9	39.4	46.9	54.3	61.8
EMISSION RATE	2.9	2.6	2.7	2.9	3.2	3.5	4.0	4.7	5.6	6.7
THROTTLE	5.0	5.0	5.5	6.7	8.2	9.7	11.0	11.9	12.8	13.7
MANIFOLD	21.0	21.0	19.7	17.3	14.7	12.2	10.1	8.4	7.1	6.2
LOAD POINT	69.3	76.8	84.2	91.7	99.2	106.7	114.1	121.6	129.1	136.6
EMISSION RATE	7.8	9.0	10.0	10.8	11.2	11.4	11.5	11.9	13.2	16.5
THROTTLE	14.8	16.4	18.6	21.3	24.6	28.4	32.8	38.7	49.4	75.0
MANIFOLD	5.6	5.1	4.7	4.3	3.6	2.8	1.9	1.0	0.4	0.5
SPEED POINT	2400.0									
LOAD POINT	-32.4	5.9	13.1	20.3	27.5	34.7	41.8	49.0	56.2	63.4
EMISSION RATE	2.9	2.4	3.6	4.5	5.0	5.1	5.1	5.1	5.2	5.5
THROTTLE	6.5	6.5	7.8	9.4	10.9	12.2	13.1	13.8	14.6	15.7
MANIFOLD	21.0	21.0	18.4	15.6	13.2	11.2	9.6	8.3	7.3	6.6
LOAD POINT	70.6	77.8	85.0	92.2	99.4	106.5	113.7	120.9	128.1	135.3
EMISSION RATE	5.9	6.5	7.3	8.1	9.0	9.9	10.7	11.3	11.8	12.5
THROTTLE	17.3	19.4	21.9	24.7	27.3	29.6	31.9	35.6	45.1	75.0
MANIFOLD	5.9	5.4	4.9	4.3	3.8	3.2	2.5	1.9	1.4	1.0
SPEED POINT	2800.0									

LOAD PCINT	-40.0	7.0	14.0	21.1	28.1	35.2	42.2	49.3	56.3	63.3
EMISSION RATE	2.9	6.6	6.8	6.5	6.0	5.6	5.4	5.3	5.4	5.6
THROTTLE	9.0	9.0	10.7	11.9	12.6	13.3	14.1	15.2	16.5	18.1
MANIFOLD	16.0	16.0	14.0	12.6	11.5	10.7	9.9	9.2	8.4	7.6
LOAD POINT	70.4	77.4	84.5	91.5	98.6	105.6	112.7	119.7	126.8	133.8
EMISSION RATE	6.0	6.4	6.8	7.2	7.6	8.0	8.6	9.7	12.1	17.8
THRCTTLE	19.9	21.9	24.1	26.7	30.0	34.3	40.4	48.9	60.6	74.9
MANIFOLD	6.8	6.0	5.1	4.4	3.6	3.0	2.5	2.0	1.5	0.9
SPEED POINT 3200.0										
LOAD POINT	-47.6	7.5	14.3	21.2	28.1	34.9	41.8	48.6	55.5	62.4
EMISSION RATE	2.9	7.8	5.3	4.5	4.3	4.6	5.1	5.8	6.5	7.0
THROTTLE	11.0	11.0	11.8	12.8	13.8	14.8	15.9	17.1	18.5	20.4
MANIFOLD	14.3	14.3	13.9	13.3	12.4	11.4	10.3	9.3	8.3	7.3
LOAD POINT	69.2	76.1	82.9	89.8	96.6	103.5	110.4	117.2	124.1	130.9
EMISSION RATE	7.2	6.9	6.4	5.7	5.0	4.6	4.8	5.9	9.7	23.1
THROTTLE	22.6	25.3	28.4	31.7	35.0	38.2	41.6	46.4	55.1	74.9
MANIFOLD	6.4	5.6	4.9	4.2	3.6	3.0	2.5	2.0	1.5	1.0
SPEED POINT 3600.0										
LOAD POINT	-55.2	9.0	15.5	22.0	28.5	35.0	41.5	48.0	54.5	61.0
EMISSION RATE	2.9	4.8	4.8	4.9	5.1	5.3	5.5	5.6	5.7	5.8
THROTTLE	12.1	12.1	13.0	14.1	15.2	16.3	17.5	18.9	20.6	22.7
MANIFOLD	14.5	14.5	14.0	13.3	12.4	11.4	10.4	9.3	8.2	7.2
LOAD POINT	67.5	74.0	80.5	87.0	93.5	100.0	106.4	112.9	119.4	125.9
EMISSION RATE	5.8	5.9	6.0	6.3	6.8	7.7	9.2	11.9	17.0	27.1
THROTTLE	25.3	28.4	31.7	34.9	37.7	39.8	41.8	45.1	53.1	74.9
MANIFOLD	6.2	5.4	4.7	4.2	3.7	3.3	2.9	2.5	1.9	1.0
SPEED POINT 4600.0										
LOAD POINT	-74.2	10.4	15.8	21.3	26.7	32.1	37.5	43.0	48.4	53.8
EMISSION RATE	2.9	6.3	6.1	5.8	5.5	5.2	5.2	5.2	5.5	5.9
THKOTTLE	15.5	15.5	15.9	16.7	17.8	18.8	20.0	21.2	22.8	24.8
MANIFOLD	13.5	13.5	13.0	12.5	11.9	11.2	10.4	9.6	8.8	7.9
LOAD POINT	59.3	64.7	70.1	75.6	81.0	86.4	91.9	97.3	102.7	108.1
EMISSION RATE	6.6	7.6	8.9	10.5	12.4	14.8	17.7	21.3	25.9	32.4
THROTTLE	27.2	29.9	32.8	35.6	37.7	39.3	40.7	43.7	51.7	75.0
MANIFOLD	7.1	6.4	5.7	5.1	4.6	4.1	3.7	3.2	2.7	2.0
*ENGINE		N7FJL7		RPM		TCRQUE		G/HR		
1977 FGDR	171.0	ENGINE	NOX	MAP		CATALYTIC		CCNVERTER		
DATA	3.660	2.700	6.	700.	4600.	.0800	.7160			
SPEED POINT 700.0										
LOAD POINT	0.0	9.7	10.8	12.0	13.1	14.3	15.4	16.6	17.7	18.8
EMISSION RATE	1.9	1.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	17.8
LOAD POINT	20.0	21.1	22.3	23.4	24.6	25.7	26.9	28.0	29.1	30.3
EMISSION RATE	1.2	5.6	5.6	5.6	5.6	5.6	5.6	0.9	0.9	5.5
THROTTLE	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MANIFOLD	17.1	16.5	16.2	16.2	16.4	16.8	17.2	17.3	16.7	15.0
SPEED POINT 750.0										
LOAD POINT	-1.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7	10.6
EMISSION RATE	1.9	0.6	2.6	2.6	2.6	2.6	2.6	2.6	1.2	0.9
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
MANIFOLD	19.8	19.8	19.8	19.5	19.1	18.8	18.7	18.7	18.8	19.1
LOAD PCINT	11.6	12.5	13.5	14.4	15.4	16.3	17.3	18.2	19.2	20.1
EMISSION RATE	2.3	2.6	2.6	2.6	2.6	0.8	0.6	0.6	1.1	2.1
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	19.4	19.7	19.9	19.9	19.8	19.3	18.8	18.1	17.5	17.2
SPEED POINT 1000.0										
LOAD PCINT	-5.7	2.5	9.7	17.0	24.2	31.4	38.7	45.9	53.1	60.4
EMISSION RATE	1.9	1.1	2.3	2.2	2.4	3.9	7.9	15.2	23.2	26.1
THROTTLE	1.3	1.3	1.8	2.4	3.2	3.9	4.5	5.0	5.6	6.4
MANIFOLD	20.2	20.2	19.1	18.1	17.3	16.3	15.0	13.6	11.9	10.1

LOAD POINT	67.6	74.8	82.1	89.3	96.5	103.8	111.0	118.2	125.5	132.7
EMISSION RATE	23.2	19.1	17.4	19.8	28.3	45.1	64.8	69.8	60.6	83.3
THRATTLE	7.6	9.4	11.6	13.9	15.8	16.9	17.6	19.6	28.6	75.0
MANIFOLD	8.2	6.5	5.0	3.7	2.9	2.3	2.0	1.8	1.4	0.4
SPEED POINT 1600.0										
LOAD POINT	-17.1	4.2	11.4	18.6	25.8	33.0	40.2	47.4	54.6	61.8
EMISSION RATE	1.9	2.7	4.3	6.4	7.4	6.7	5.2	3.9	3.1	2.8
THRATTLE	3.7	3.7	4.8	5.8	6.7	7.5	8.3	9.1	10.1	11.3
MANIFOLD	20.9	20.9	20.5	19.1	17.2	15.0	12.8	10.8	9.0	7.5
LOAD POINT	69.1	76.3	83.5	90.7	97.9	105.1	112.3	119.5	126.7	133.9
EMISSION RATE	2.9	3.5	4.8	6.9	10.3	15.1	21.8	31.6	47.4	74.8
THRATTLE	12.6	14.2	15.8	17.6	19.4	21.5	24.6	30.1	42.3	74.7
MANIFOLD	6.3	5.4	4.6	4.0	3.5	3.0	2.4	1.7	1.1	0.4
SPEED POINT 2000.0										
LOAD POINT	-24.7	2.0	9.5	17.0	24.4	31.9	39.4	46.9	54.3	61.8
EMISSION RATE	1.9	3.6	9.2	7.8	5.3	4.4	4.6	5.5	6.8	8.0
THRATTLE	5.0	5.0	5.5	6.7	8.2	9.7	11.0	11.9	12.8	13.7
MANIFOLD	21.0	21.0	19.7	17.3	14.7	12.2	10.1	8.4	7.1	6.2
LOAD POINT	69.3	76.8	84.2	91.7	99.2	106.7	114.1	121.6	129.1	136.6
EMISSION RATE	9.2	10.6	13.1	18.3	27.9	43.1	60.3	72.4	86.1	180.2
THRATTLE	14.8	16.4	18.6	21.3	24.6	28.4	32.8	38.7	49.4	75.0
MANIFOLD	5.6	5.1	4.7	4.3	3.6	2.8	1.9	1.0	0.4	0.5
SPEED POINT 2400.0										
LOAD POINT	-32.4	5.9	13.1	20.3	27.5	34.7	41.8	49.0	56.2	63.4
EMISSION RATE	1.9	17.7	11.9	8.2	7.1	7.7	10.2	14.4	20.3	26.9
THRATTLE	6.5	6.5	7.8	9.4	10.9	12.2	13.1	13.8	14.6	15.7
MANIFOLD	21.0	21.0	18.4	15.6	13.2	11.2	9.6	8.3	7.3	6.6
LOAD POINT	70.6	77.8	85.0	92.2	99.4	106.5	113.7	120.9	128.1	135.3
EMISSION RATE	33.0	38.2	43.6	51.5	65.7	91.9	138.1	211.6	307.2	395.0
THRATTLE	17.3	19.4	21.9	24.7	27.3	29.6	31.9	35.6	45.1	75.0
MANIFOLD	5.9	5.4	4.9	4.3	3.8	3.2	2.5	1.9	1.4	1.0
SPEED POINT 2800.0										
LOAD POINT	-40.0	7.0	14.0	21.1	28.1	35.2	42.2	49.3	56.3	63.3
EMISSION RATE	1.9	5.1	6.1	7.3	8.9	11.6	16.0	23.3	34.2	47.8
THRATTLE	9.0	9.0	10.7	11.9	12.6	13.3	14.1	15.2	16.5	18.1
MANIFOLD	16.0	16.0	14.0	12.6	11.5	10.7	9.9	9.2	8.4	7.6
LOAD POINT	70.4	77.4	84.5	91.5	98.6	105.6	112.7	119.7	126.8	133.8
EMISSION RATE	60.8	69.2	72.2	74.1	83.5	115.0	204.5	427.7	457.4	457.4
THRATTLE	19.9	21.9	24.1	26.7	30.0	34.3	40.4	48.9	60.6	74.9
MANIFOLD	6.8	6.0	5.1	4.4	3.6	3.0	2.5	2.0	1.5	0.9
SPEED POINT 3200.0										
LOAD POINT	-47.6	7.5	14.3	21.2	28.1	34.9	41.8	48.6	55.5	62.4
EMISSION RATE	1.9	4.7	6.1	6.5	7.6	9.9	13.8	18.7	23.4	27.1
THRATTLE	11.0	11.0	11.8	12.8	13.8	14.8	15.9	17.1	18.5	20.4
MANIFOLD	14.3	14.3	13.9	13.3	12.4	11.4	10.3	9.3	8.3	7.3
LOAD POINT	69.2	76.1	82.9	89.8	96.6	103.5	110.4	117.2	124.1	130.9
EMISSION RATE	30.4	35.3	45.3	66.2	107.7	180.3	276.4	349.1	362.0	388.5
THRATTLE	22.6	25.3	28.4	31.7	35.0	38.2	41.6	46.4	55.1	74.9
MANIFOLD	6.4	5.6	4.9	4.2	3.6	3.0	2.5	2.0	1.5	1.0
SPEED POINT 3600.0										
LOAD POINT	-55.2	9.0	15.5	22.0	28.5	35.0	41.5	48.0	54.5	61.0
EMISSION RATE	1.9	5.7	9.9	11.6	13.6	18.2	27.6	43.1	63.8	84.7
THRATTLE	12.1	12.1	13.0	14.1	15.2	16.3	17.5	18.9	20.6	22.7
MANIFOLD	14.5	14.5	14.0	13.3	12.4	11.4	10.4	9.3	8.2	7.2
LOAD POINT	67.5	74.0	80.5	87.0	93.5	100.0	106.4	112.9	119.4	125.9
EMISSION RATE	100.1	108.8	115.3	126.7	150.6	194.4	260.7	333.5	333.5	333.2
THRATTLE	25.3	28.4	31.7	34.9	37.7	39.8	41.8	45.1	53.1	74.9
MANIFOLD	6.2	5.4	4.7	4.2	3.7	3.3	2.9	2.5	1.9	1.0
SPEED POINT 4000.0										
LOAD POINT	-74.2	10.4	15.8	21.3	26.7	32.1	37.5	43.0	48.4	53.8
EMISSION RATE	1.9	14.3	13.4	13.4	28.4	50.3	69.3	82.6	95.9	114.9

THROTTLE	15.5	15.5	15.9	16.7	17.8	18.8	20.0	21.2	22.8	24.8
MANIFOLD	13.5	13.5	13.0	12.5	11.9	11.2	10.4	9.6	8.8	7.9
LOAD PCINT	59.3	64.7	70.1	75.6	81.0	86.4	91.9	97.3	102.7	108.1
EMISSION RATE	140.6	165.3	175.6	165.1	145.2	136.4	160.5	254.6	384.9	384.8
THROTTLE	27.2	29.9	32.8	35.6	37.7	39.3	40.7	43.7	51.7	75.0
MANIFOLD	7.1	6.4	5.7	5.1	4.6	4.1	3.7	3.2	2.7	2.0
*ENGINE	X7FJL7		RPM			TORQUE				
1977 FORD	171.0	ENGINE	RAW	CO	MAP	CATALYTIC		CONVERTER		
DATA	3.660	2.700	6.	700.	4600.	.0800	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	9.7	10.8	12.0	13.1	14.3	15.4	16.6	17.7	18.8
EMISSION RATE	68.1	68.1	62.5	47.2	47.2	47.2	47.2	47.2	47.2	47.2
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	17.8
LOAD POINT	20.0	21.1	22.3	23.4	24.6	25.7	26.9	28.0	29.1	30.3
EMISSION RATE	61.0	73.2	73.2	73.2	73.2	73.2	73.2	55.2	47.2	66.4
THROTTLE	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MANIFOLD	17.1	16.5	16.2	16.2	16.4	16.8	17.2	17.3	16.7	15.0
SPEED POINT	750.0									
LOAD POINT	-1.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7	10.6
EMISSION RATE	68.1	60.3	78.6	78.6	78.6	78.6	77.4	65.4	58.6	56.0
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
MANIFOLD	19.8	19.8	19.8	19.5	19.1	18.8	18.7	18.7	18.8	19.1
LOAD POINT	11.6	12.5	13.5	14.4	15.4	16.3	17.3	18.2	19.2	20.1
EMISSION RATE	56.7	59.7	63.8	67.4	69.0	67.5	63.2	57.8	53.9	55.0
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	19.4	19.7	19.9	19.9	19.8	19.3	18.8	18.1	17.5	17.2
SPEED POINT	1000.0									
LOAD POINT	-5.7	2.5	9.7	17.0	24.2	31.4	38.7	45.9	53.1	60.4
EMISSION RATE	68.1	45.2	48.6	61.0	80.4	104.0	126.2	141.2	145.7	140.6
THROTTLE	1.3	1.3	1.8	2.4	3.2	3.9	4.5	5.0	5.6	6.4
MANIFOLD	20.2	20.2	19.1	18.1	17.3	16.3	15.0	13.6	11.9	10.1
LOAD POINT	67.6	74.8	82.1	89.3	96.5	103.8	111.0	118.2	125.5	132.7
EMISSION RATE	130.4	119.9	112.9	112.1	120.1	140.2	177.0	235.1	311.3	377.9
THROTTLE	7.6	9.4	11.6	13.9	15.8	16.9	17.6	19.6	28.6	75.0
MANIFOLD	8.2	6.5	5.0	3.7	2.9	2.3	2.0	1.8	1.4	0.4
SPEED POINT	1600.0									
LOAD POINT	-17.1	4.2	11.4	18.6	25.8	33.0	40.2	47.4	54.6	61.8
EMISSION RATE	68.1	98.7	169.3	248.6	325.7	394.1	451.6	499.9	541.9	580.5
THROTTLE	3.7	3.7	4.8	5.8	6.7	7.5	8.3	9.1	10.1	11.3
MANIFOLD	20.9	20.9	20.5	19.1	17.2	15.0	12.8	10.8	9.0	7.5
LOAD POINT	69.1	76.3	83.5	90.7	97.9	105.1	112.3	119.5	126.7	133.9
EMISSION RATE	617.6	654.3	690.6	726.1	760.1	792.8	826.2	864.9	918.1	992.1
THROTTLE	12.6	14.2	15.8	17.6	19.4	21.5	24.6	30.1	42.3	74.7
MANIFOLD	6.3	5.4	4.6	4.0	3.5	3.0	2.4	1.7	1.1	0.4
SPEED POINT	2000.0									
LOAD POINT	-24.7	2.0	9.5	17.0	24.4	31.9	39.4	46.9	54.3	61.8
EMISSION RATE	68.1	159.0	199.7	255.8	315.4	376.8	438.5	498.5	554.6	604.8
THROTTLE	5.0	5.0	5.5	6.7	8.2	9.7	11.0	11.9	12.8	13.7
MANIFOLD	21.0	21.0	19.7	17.3	14.7	12.2	10.1	8.4	7.1	6.2
LOAD POINT	69.3	76.8	84.2	91.7	99.2	106.7	114.1	121.6	129.1	136.6
EMISSION RATE	646.9	679.4	701.9	715.6	723.3	729.9	742.2	770.4	829.8	946.5
THROTTLE	14.8	16.4	18.6	21.3	24.6	28.4	32.8	38.7	49.4	75.0
MANIFOLD	5.6	5.1	4.7	4.3	3.6	2.8	1.9	1.0	0.4	0.5
SPEED POINT	2400.0									
LOAD POINT	-32.4	5.9	13.1	20.3	27.5	34.7	41.8	49.0	56.2	63.4
EMISSION RATE	68.1	81.1	100.5	130.2	164.7	203.1	244.4	287.0	329.6	371.3
THROTTLE	6.5	6.5	7.8	9.4	10.9	12.2	13.1	13.8	14.6	15.7
MANIFOLD	21.0	21.0	18.4	15.6	13.2	11.2	9.6	8.3	7.3	6.6
LOAD POINT	70.6	77.8	85.0	92.2	99.4	106.5	113.7	120.9	128.1	135.3
EMISSION RATE	411.0	448.5	483.2	514.9	542.9	565.8	581.5	586.4	577.3	548.9

THROTTLE	17.3	19.4	21.9	24.7	27.3	29.6	31.9	35.6	45.1	75.0
MANIFOLD	5.9	5.4	4.9	4.3	3.8	3.2	2.5	1.9	1.4	1.0
SPEED POINT	2800.0									
LOAD POINT	-40.0	7.0	14.0	21.1	28.1	35.2	42.2	49.3	56.3	63.3
EMISSION RATE	68.1	129.5	198.4	251.4	275.4	281.8	284.1	291.4	308.8	338.5
THROTTLE	9.0	9.0	10.7	11.9	12.6	13.3	14.1	15.2	16.5	18.1
MANIFOLD	16.0	16.0	14.0	12.6	11.5	10.7	9.9	9.2	8.4	7.6
LOAD POINT	70.4	77.4	84.5	91.5	98.6	105.6	112.7	119.7	126.8	133.8
EMISSION RATE	380.8	433.1	489.2	540.0	575.5	589.9	586.1	577.8	589.7	664.9
THROTTLE	19.9	21.9	24.1	26.7	30.0	34.3	40.4	48.9	60.6	74.9
MANIFOLD	6.8	6.0	5.1	4.4	3.6	3.0	2.5	2.0	1.5	0.9
SPEED POINT	3200.0									
LOAD POINT	-47.6	7.5	14.3	21.2	28.1	34.9	41.8	48.6	55.5	62.4
EMISSION RATE	68.1	254.4	342.0	408.3	460.8	511.7	570.3	641.2	722.6	805.2
THROTTLE	11.0	11.0	11.8	12.8	13.8	14.8	15.9	17.1	18.5	20.4
MANIFOLD	14.3	14.3	13.9	13.3	12.4	11.4	10.3	9.3	8.3	7.3
LOAD POINT	69.2	76.1	82.9	89.8	96.6	103.5	110.4	117.2	124.1	130.9
EMISSION RATE	872.4	904.4	887.1	821.4	725.5	628.3	559.9	552.6	668.8	1136.6
THROTTLE	22.6	25.3	28.4	31.7	35.0	38.2	41.6	46.4	55.1	74.9
MANIFOLD	6.4	5.6	4.9	4.2	3.6	3.0	2.5	2.0	1.5	1.0
SPEED POINT	3600.0									
LOAD POINT	-55.2	9.0	15.5	22.0	28.5	35.0	41.5	48.0	54.5	61.0
EMISSION RATE	68.1	183.3	202.2	223.4	244.2	267.3	294.4	326.7	364.8	408.2
THROTTLE	12.1	12.1	13.0	14.1	15.2	16.3	17.5	18.9	20.6	22.7
MANIFOLD	14.5	14.5	14.0	13.3	12.4	11.4	10.4	9.3	8.2	7.2
LOAD POINT	67.5	74.0	80.5	87.0	93.5	100.0	106.4	112.9	119.4	125.9
EMISSION RATE	455.7	505.3	555.1	603.8	652.2	705.3	774.0	879.8	1066.0	1429.7
THROTTLE	25.3	28.4	31.7	34.9	37.7	39.8	41.8	45.1	53.1	74.9
MANIFOLD	6.2	5.4	4.7	4.2	3.7	3.3	2.9	2.5	1.9	1.0
SPEED POINT	4600.0									
LOAD POINT	-74.2	10.4	15.8	21.3	26.7	32.1	37.5	43.0	48.4	53.8
EMISSION RATE	68.1	184.5	245.8	283.0	299.2	304.4	308.3	318.4	339.6	376.5
THROTTLE	15.5	15.5	15.9	16.7	17.8	18.8	20.0	21.2	22.8	24.8
MANIFOLD	13.5	13.5	13.0	12.5	11.9	11.2	10.4	9.6	8.8	7.9
LOAD POINT	59.3	64.7	70.1	75.6	81.0	86.4	91.9	97.3	102.7	108.1
EMISSION RATE	433.0	513.6	621.8	758.8	921.2	1098.5	1273.2	1424.3	1535.0	1600.8
THROTTLE	27.2	29.9	32.8	35.0	37.7	39.3	40.7	43.7	51.7	75.0
MANIFOLD	7.1	6.4	5.7	5.1	4.6	4.1	3.7	3.2	2.7	2.0
*ENGINE	Y7FJL7		RPM		TORQUE		G/HR			
1977 FORD	171.0	ENGINE	RAW HC	MAP	CATALYTIC	CONVERTER				
DATA	3.060	2.700	6.	700.	4600.	.0800	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	9.7	10.8	12.0	13.1	14.3	15.4	16.6	17.7	18.8
EMISSION RATE	4.9	4.9	4.9	4.3	4.2	4.2	4.2	4.2	4.2	4.2
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	17.8
LOAD POINT	20.0	21.1	22.3	23.4	24.6	25.7	26.9	28.0	29.1	30.3
EMISSION RATE	4.8	5.6	5.6	5.6	5.6	5.6	5.6	5.0	4.7	5.4
THROTTLE	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MANIFOLD	17.1	16.5	16.2	16.2	16.4	16.8	17.2	17.3	16.7	15.0
SPEED POINT	750.0									
LOAD POINT	-1.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7	10.6
EMISSION RATE	4.9	5.4	7.2	7.2	7.2	6.1	4.6	4.2	4.6	6.0
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
MANIFOLD	19.8	19.8	19.8	19.5	19.1	18.8	18.7	18.7	18.8	19.1
LOAD POINT	11.6	12.5	13.5	14.4	15.4	16.3	17.3	18.2	19.2	20.1
EMISSION RATE	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.4	4.7	5.3
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	19.4	19.7	19.9	19.9	19.8	19.3	18.8	18.1	17.5	17.2
SPEED POINT	1000.0									
LOAD POINT	-5.7	2.5	9.7	17.0	24.2	31.4	38.7	45.9	53.1	60.4

EMISSION RATE	4.9	4.6	4.0	3.9	4.2	4.6	5.2	5.8	6.4	6.9
THROTTLE	1.3	1.3	1.8	2.4	3.2	3.9	4.5	5.0	5.6	6.4
MANIFOLD	20.2	20.2	19.1	18.1	17.3	16.3	15.0	13.6	11.9	10.1
LOAD POINT	67.6	74.8	82.1	89.3	96.5	103.8	111.0	118.2	125.5	132.7
EMISSION RATE	7.3	7.5	7.6	7.7	7.8	8.0	8.5	9.3	10.7	13.1
THROTTLE	7.6	9.4	11.6	13.9	15.8	16.9	17.6	19.6	28.6	75.0
MANIFOLD	8.2	6.5	5.0	3.7	2.9	2.3	2.0	1.8	1.4	0.4
SPEED POINT 1600.0										
LOAD POINT	-17.1	4.2	11.4	18.6	25.8	33.0	40.2	47.4	54.6	61.8
EMISSION RATE	4.9	7.8	6.9	7.4	8.6	10.8	13.1	15.2	16.6	17.1
THROTTLE	3.7	3.7	4.8	5.8	6.7	7.5	8.3	9.1	10.1	11.3
MANIFOLD	20.9	20.9	20.5	19.1	17.2	15.0	12.8	10.8	9.0	7.5
LOAD POINT	69.1	76.3	83.5	90.7	97.9	105.1	112.3	119.5	126.7	133.9
EMISSION RATE	16.9	16.1	15.3	14.7	14.5	14.9	15.9	17.6	19.5	20.7
THROTTLE	12.6	14.2	15.8	17.6	19.4	21.5	24.6	30.1	42.3	74.7
MANIFOLD	6.3	5.4	4.6	4.0	3.5	3.0	2.4	1.7	1.1	0.4
SPEED POINT 2000.0										
LOAD POINT	-24.7	2.0	9.5	17.0	24.4	31.9	39.4	46.9	54.3	61.8
EMISSION RATE	4.9	6.7	8.2	10.4	12.1	13.4	14.3	15.1	15.8	16.6
THROTTLE	5.0	5.0	5.5	6.7	8.2	9.7	11.0	11.9	12.8	13.7
MANIFOLD	21.0	21.0	19.7	17.3	14.7	12.2	10.1	8.4	7.1	6.2
LOAD POINT	69.3	76.8	84.2	91.7	99.2	106.7	114.1	121.6	129.1	136.6
EMISSION RATE	17.5	18.5	19.6	20.8	22.0	23.0	23.6	23.7	23.3	22.4
THROTTLE	14.8	16.4	18.6	21.3	24.6	28.4	32.8	38.7	49.4	75.0
MANIFOLD	5.6	5.1	4.7	4.3	3.6	2.8	1.9	1.0	0.4	0.5
SPEED POINT 2400.0										
LOAD POINT	-32.4	5.9	13.1	20.3	27.5	34.7	41.8	49.0	56.2	63.4
EMISSION RATE	4.9	4.5	6.5	8.6	10.1	11.2	11.8	12.2	12.5	12.8
THROTTLE	6.5	6.5	7.8	9.4	10.9	12.2	13.1	13.8	14.6	15.7
MANIFOLD	21.0	21.0	18.4	15.6	13.2	11.2	9.6	8.3	7.3	6.6
LOAD POINT	70.6	77.8	85.0	92.2	99.4	106.5	113.7	120.9	128.1	135.3
EMISSION RATE	13.2	13.8	14.5	15.5	16.6	17.7	18.9	19.8	20.3	20.4
THROTTLE	17.3	19.4	21.9	24.7	27.3	29.6	31.9	35.6	45.1	75.0
MANIFOLD	5.9	5.4	4.9	4.3	3.6	3.2	2.5	1.9	1.4	1.0
SPEED POINT 2800.0										
LOAD POINT	-40.0	7.0	14.0	21.1	28.1	35.2	42.2	49.3	56.3	63.3
EMISSION RATE	4.9	13.5	14.5	14.0	12.9	11.9	11.2	11.0	11.2	11.8
THROTTLE	9.0	9.0	10.7	11.9	12.6	13.3	14.1	15.2	16.5	18.1
MANIFOLD	16.0	16.0	14.0	12.6	11.5	10.7	9.9	9.2	8.4	7.6
LOAD POINT	70.4	77.4	84.5	91.5	98.6	105.6	112.7	119.7	126.8	133.8
EMISSION RATE	12.7	13.7	14.7	15.5	16.0	16.2	16.4	17.1	19.5	26.1
THROTTLE	19.9	21.9	24.1	26.7	30.0	34.3	40.4	48.9	60.6	74.9
MANIFOLD	6.8	6.0	5.1	4.4	3.6	3.0	2.5	2.0	1.5	0.9
SPEED POINT 3200.0										
LOAD POINT	-47.6	7.5	14.3	21.2	28.1	34.9	41.8	48.6	55.5	62.4
EMISSION RATE	4.9	18.0	15.6	14.3	13.9	14.0	14.7	15.5	16.5	17.3
THROTTLE	11.0	11.0	11.8	12.8	13.8	14.8	15.9	17.1	18.5	20.4
MANIFOLD	14.3	14.3	13.9	13.3	12.4	11.4	10.3	9.3	8.3	7.3
LOAD POINT	69.2	76.1	82.9	89.8	96.6	103.5	110.4	117.2	124.1	130.9
EMISSION RATE	17.7	17.6	17.0	15.9	14.7	13.9	13.9	14.0	17.1	25.8
THROTTLE	22.6	25.3	28.4	31.7	35.0	38.2	41.6	46.4	55.1	74.9
MANIFOLD	6.4	5.6	4.9	4.2	3.6	3.0	2.5	2.0	1.5	1.0
SPEED POINT 3600.0										
LOAD POINT	-55.2	9.0	15.5	22.0	28.5	35.0	41.5	48.0	54.5	61.0
EMISSION RATE	4.9	9.2	9.2	9.4	9.9	10.4	11.0	11.5	12.0	12.4
THROTTLE	12.1	12.1	13.0	14.1	15.2	16.3	17.5	18.9	20.6	22.7
MANIFOLD	14.5	14.5	14.0	13.3	12.4	11.4	10.4	9.3	8.2	7.2
LOAD POINT	67.5	74.0	80.5	87.0	93.5	100.0	106.4	112.9	119.4	125.9
EMISSION RATE	12.6	12.7	12.7	12.8	13.0	13.6	14.9	17.6	23.1	34.6
THROTTLE	25.3	28.4	31.7	34.9	37.7	39.8	41.8	45.1	53.1	74.9
MANIFOLD	6.2	5.4	4.7	4.2	3.7	3.3	2.9	2.5	1.9	1.0

SPEED POINT	4600.0									
LOAD POINT	-74.2	10.4	15.8	21.3	26.7	32.1	37.5	43.0	48.4	53.8
EMISSION RATE	4.9	20.4	12.7	10.0	9.2	9.3	9.8	10.6	11.4	12.2
THROTTLE	15.5	15.5	15.9	16.7	17.8	18.8	20.0	21.2	22.8	24.8
MANIFOLD	13.5	13.5	13.0	12.5	11.9	11.2	10.4	9.6	8.8	7.9
LOAD POINT	59.3	64.7	70.1	75.6	81.0	86.4	91.9	97.3	102.7	108.1
EMISSION RATE	13.0	13.7	14.6	15.7	17.3	19.5	22.4	26.1	30.2	33.3
THROTTLE	27.2	29.9	32.8	35.6	37.7	39.3	40.7	43.7	51.7	75.0
MANIFOLD	7.1	6.4	5.7	5.1	4.6	4.1	3.7	3.2	2.7	2.0
*ENGINE		Z7FJL7		RPM		TORQUE		G/HR		
1977 FORD	171.0	ENGINE	RAW	NOX	MAP	CATALYTIC	CONVERTER			
DATA	3.660	2.700	6.	700.	4600.	.0800	.7160			
SPEED POINT	700.0									
LOAD POINT	0.0	9.7	10.8	12.0	13.1	14.3	15.4	16.6	17.7	18.8
EMISSION RATE	0.7	0.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	17.8
LOAD POINT	20.0	21.1	22.3	23.4	24.6	25.7	26.9	28.0	29.1	30.3
EMISSION RATE	1.2	5.6	5.6	5.6	5.6	5.6	0.3	0.3	0.6	5.0
THROTTLE	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
MANIFOLD	17.1	16.5	16.2	16.2	16.4	16.8	17.2	17.3	16.7	15.0
SPEED POINT	750.0									
LOAD POINT	-1.0	3.0	4.0	4.9	5.9	6.8	7.8	8.7	9.7	10.6
EMISSION RATE	0.7	0.6	2.2	2.2	2.2	2.2	2.2	2.2	1.5	2.2
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
MANIFOLD	19.8	19.8	19.8	19.5	19.1	18.8	18.7	18.7	18.8	19.1
LOAD POINT	11.6	12.5	13.5	14.4	15.4	16.3	17.3	18.2	19.2	20.1
EMISSION RATE	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	19.4	19.7	19.9	19.9	19.8	19.3	18.8	18.1	17.5	17.2
SPEED POINT	1000.0									
LOAD POINT	-5.7	2.5	9.7	17.0	24.2	31.4	38.7	45.9	53.1	60.4
EMISSION RATE	0.7	1.0	2.2	2.0	2.1	3.2	6.3	12.3	19.4	23.0
THROTTLE	1.3	1.3	1.8	2.4	3.2	3.9	4.5	5.0	5.6	6.4
MANIFOLD	20.2	20.2	19.1	18.1	17.3	16.3	15.0	13.6	11.9	10.1
LOAD POINT	67.6	74.8	82.1	89.3	96.5	103.8	111.0	118.2	125.5	132.7
EMISSION RATE	21.4	17.9	16.1	17.6	24.5	39.4	60.6	73.5	69.6	82.6
THROTTLE	7.6	9.4	11.6	13.9	15.8	16.9	17.6	19.6	28.6	75.0
MANIFOLD	8.2	6.5	5.0	3.7	2.9	2.3	2.0	1.8	1.4	0.4
SPEED POINT	1600.0									
LOAD POINT	-17.1	4.2	11.4	18.6	25.8	33.0	40.2	47.4	54.6	61.8
EMISSION RATE	0.7	1.3	2.3	4.2	5.3	4.5	3.0	2.0	1.5	1.5
THROTTLE	3.7	3.7	4.8	5.8	6.7	7.5	8.3	9.1	10.1	11.3
MANIFOLD	20.9	20.9	20.5	19.1	17.2	15.0	12.8	10.8	9.0	7.5
LOAD POINT	69.1	76.3	83.5	90.7	97.9	105.1	112.3	119.5	126.7	133.9
EMISSION RATE	1.8	2.6	3.9	5.6	7.9	11.2	17.8	33.2	66.9	84.4
THROTTLE	12.6	14.2	15.8	17.6	19.4	21.5	24.6	30.1	42.3	74.7
MANIFOLD	5.3	5.4	4.6	4.0	3.5	3.0	2.4	1.7	1.1	0.4
SPEED POINT	2000.0									
LOAD POINT	-24.7	2.0	9.5	17.0	24.4	31.9	39.4	46.9	54.3	61.8
EMISSION RATE	0.7	1.5	6.4	4.5	2.5	1.9	2.1	3.0	4.3	5.6
THROTTLE	5.0	5.0	5.5	6.7	8.2	9.7	11.0	11.9	12.8	13.7
MANIFOLD	21.0	21.0	19.7	17.3	14.7	12.2	10.1	8.4	7.1	6.2
LOAD POINT	69.3	76.8	84.2	91.7	99.2	106.7	114.1	121.6	129.1	136.6
EMISSION RATE	6.6	7.8	10.0	14.9	25.6	44.1	64.0	70.2	70.2	149.3
THROTTLE	14.8	16.4	18.6	21.3	24.6	28.4	32.8	38.7	49.4	75.0
MANIFOLD	5.6	5.1	4.7	4.3	3.6	2.8	1.9	1.0	0.4	0.5
SPEED POINT	2400.0									
LOAD POINT	-32.4	5.9	13.1	20.3	27.5	34.7	41.8	49.0	56.2	63.4
EMISSION RATE	0.7	16.0	10.9	6.6	4.9	5.1	6.8	10.5	16.7	24.7
THROTTLE	6.5	6.5	7.8	9.4	10.9	12.2	13.1	13.8	14.6	15.7

MANIFOLD	21.0	21.0	18.4	15.6	13.2	11.2	9.6	8.3	7.3	6.6
LOAD POINT	70.6	77.8	85.0	92.2	99.4	106.5	113.7	120.9	128.1	135.3
EMISSION RATE	32.8	39.3	44.6	51.1	63.2	87.8	135.9	218.1	314.2	328.5
THROTTLE	17.3	19.4	21.9	24.7	27.3	29.6	31.9	35.6	45.1	75.0
MANIFOLD	5.9	5.4	4.9	4.3	3.8	3.2	2.5	1.9	1.4	1.0
SPEED POINT 2800.0										
LOAD POINT	-40.0	7.0	14.0	21.1	28.1	35.2	42.2	49.3	56.3	63.3
EMISSION RATE	0.7	3.2	4.3	4.8	5.5	7.1	10.7	17.6	29.0	44.3
THROTTLE	9.0	9.0	10.7	11.9	12.6	13.3	14.1	15.2	16.5	18.1
MANIFOLD	16.0	16.0	14.0	12.6	11.5	10.7	9.9	9.2	8.4	7.6
LOAD POINT	70.4	77.4	84.5	91.5	98.6	105.6	112.7	119.7	126.8	133.8
EMISSION RATE	59.0	67.5	69.4	70.0	78.6	110.4	203.2	440.6	489.8	489.8
THRATTLE	19.9	21.9	24.1	26.7	30.0	34.3	40.4	48.9	60.6	74.9
MANIFOLD	6.8	6.0	5.1	4.4	3.6	3.0	2.5	2.0	1.5	0.9
SPEED PCINT 3200.0										
LOAD POINT	-47.6	7.5	14.3	21.2	28.1	34.9	41.8	48.6	55.5	62.4
EMISSION RATE	0.7	2.3	3.0	3.4	4.4	6.2	9.1	13.1	17.3	21.4
THROTTLE	11.0	11.0	11.8	12.8	13.8	14.8	15.9	17.1	18.5	20.4
MANIFOLD	14.3	14.3	13.9	13.3	12.4	11.4	10.3	9.3	8.3	7.3
LOAD PCINT	69.2	76.1	82.9	89.8	96.6	103.5	110.4	117.2	124.1	130.9
EMISSION RATE	25.5	31.0	40.8	60.2	98.8	169.2	271.5	333.8	333.8	260.2
THROTTLE	22.6	25.3	28.4	31.7	35.0	38.2	41.6	46.4	55.1	74.9
MANIFOLD	6.4	5.6	4.9	4.2	3.6	3.0	2.5	2.0	1.5	1.0
SPEED POINT 3600.0										
LOAD POINT	-55.2	9.0	15.5	22.0	28.5	35.0	41.5	48.0	54.5	61.0
EMISSION RATE	0.7	3.4	5.5	7.1	9.4	13.8	21.7	33.9	49.5	65.3
THROTTLE	12.1	12.1	13.0	14.1	15.2	16.3	17.5	18.9	20.6	22.7
MANIFOLD	14.5	14.5	14.0	13.3	12.4	11.4	10.4	9.3	8.2	7.2
LOAD PCINT	67.5	74.0	80.5	87.0	93.5	100.0	106.4	112.9	119.4	125.9
EMISSION RATE	78.3	88.6	99.5	116.2	144.2	188.5	247.5	306.1	339.4	347.5
THRATTLE	25.3	28.4	31.7	34.9	37.7	39.8	41.8	45.1	53.1	74.9
MANIFOLD	6.2	5.4	4.7	4.2	3.7	3.3	2.9	2.5	1.9	1.0
SPEED POINT 4600.0										
LOAD POINT	-74.2	10.4	15.8	21.3	26.7	32.1	37.5	43.0	48.4	53.8
EMISSION RATE	0.7	10.2	8.4	8.4	20.8	59.4	73.0	61.1	55.2	67.8
THROTTLE	15.5	15.5	15.9	16.7	17.6	18.8	20.0	21.2	22.8	24.8
MANIFOLD	13.5	13.5	13.0	12.5	11.9	11.2	10.4	9.6	8.8	7.9
LOAD PCINT	59.3	64.7	70.1	75.6	81.0	86.4	91.9	97.3	102.7	108.1
EMISSION RATE	108.4	178.2	228.8	197.6	126.6	86.8	104.2	285.6	392.4	392.3
THROTTLE	27.2	29.9	32.8	35.6	37.7	39.3	40.7	43.7	51.7	75.0
MANIFOLD	7.1	6.4	5.7	5.1	4.6	4.1	3.7	3.2	2.7	2.0



B.3 1976 FORD 400 CID (6.56 LITER), 2 BBL

*ENGINE 1976 FORD DATA 2 BBL	F6FDC6 ENGINE 40000 40000	RPM MAP 8. 650.	TORQUE CATALYTIC 3500. .1100	LB/HR CONVERTER .7126						
SPEED POINT	650.0									
LOAD POINT	0.0	0.3	1.4	2.5	3.6	4.7	5.8	6.9	8.0	9.1
FUEL RATE	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2
MANIFOLD	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.9	19.8	19.8
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
FUEL RATE	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
THROTTLE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MANIFOLD	19.7	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.5
SPEED POINT	750.0									
LOAD POINT	-3.3	0.2	1.3	2.4	3.5	4.6	5.7	6.8	8.0	9.1
FUEL RATE	3.6	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
MANIFOLD	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
FUEL RATE	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7
THROTTLE	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0
MANIFOLD	20.4	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.8	19.7
SPEED POINT	850.0									
LOAD POINT	-6.6	7.8	24.5	41.2	57.9	74.7	91.4	108.1	124.8	141.5
FUEL RATE	3.6	5.0	5.7	6.4	7.0	7.7	8.4	9.2	10.1	11.1
THROTTLE	3.0	3.0	2.8	3.1	3.7	4.5	5.4	6.5	7.7	9.1
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.6	15.2	13.6	11.9	10.1
LOAD POINT	153.2	174.9	191.6	208.4	225.1	241.8	258.5	275.2	291.9	308.6
FUEL RATE	12.2	13.4	14.7	16.0	17.5	19.0	20.5	22.1	23.6	25.1
THROTTLE	10.7	12.5	14.7	17.2	20.1	23.5	28.0	35.3	50.2	79.0
MANIFOLD	8.4	6.8	5.4	4.2	3.2	2.4	1.8	1.2	0.7	0.0
SPEED POINT	1000.0									
LOAD POINT	-11.5	28.3	43.9	59.6	75.2	90.9	106.6	122.2	137.9	153.5
FUEL RATE	3.6	6.7	6.7	7.1	7.8	8.7	9.8	11.0	12.3	13.6
THROTTLE	3.7	3.7	3.4	3.5	3.9	4.6	5.7	7.1	8.7	10.5
MANIFOLD	19.5	19.5	18.9	18.4	17.6	16.6	15.4	14.0	12.3	10.6
LOAD POINT	169.2	184.9	200.5	216.2	231.8	247.5	263.2	278.8	294.5	310.1
FUEL RATE	15.0	16.4	17.7	19.1	20.5	22.0	23.5	25.1	27.0	29.0
THROTTLE	12.3	14.1	15.8	17.6	19.9	23.2	28.7	38.1	55.1	79.0
MANIFOLD	8.8	7.2	5.7	4.3	3.3	2.5	1.9	1.4	0.7	0.0
SPEED POINT	1600.0									
LOAD POINT	-31.3	8.1	26.3	44.4	62.6	80.7	98.9	117.0	135.2	153.3
FUEL RATE	3.6	9.9	11.3	12.8	14.3	15.7	17.2	18.8	20.5	22.5
THROTTLE	6.5	6.5	7.3	8.6	10.2	11.8	13.2	14.5	15.8	17.3
MANIFOLD	19.6	19.6	17.7	16.4	15.2	14.3	13.3	12.2	11.1	9.9
LOAD POINT	171.5	189.6	207.8	225.9	244.1	262.2	280.4	298.5	316.7	334.8
FUEL RATE	24.7	27.1	29.7	32.6	35.7	39.0	42.5	46.0	49.6	53.2
THROTTLE	19.2	21.6	24.5	27.8	31.2	34.4	37.7	42.5	53.0	79.0
MANIFOLD	8.6	7.3	6.0	4.8	3.8	2.8	2.0	1.4	0.7	0.0
SPEED POINT	1800.0									
LOAD POINT	-37.9	3.0	21.6	40.2	58.8	77.4	96.0	114.5	133.1	151.7
FUEL RATE	3.6	11.1	12.7	14.1	15.6	17.1	18.9	20.9	23.2	25.8
THROTTLE	8.1	8.1	8.8	9.8	10.9	11.9	12.8	13.7	14.9	16.3
MANIFOLD	19.7	19.7	18.2	16.9	15.8	14.7	13.5	12.3	10.9	9.6
LOAD POINT	170.3	188.9	207.5	226.1	244.7	263.2	281.8	300.4	319.0	337.6
FUEL RATE	28.8	32.1	35.6	39.3	43.2	47.0	50.7	54.2	57.2	59.5
THROTTLE	18.1	20.5	23.2	26.2	29.2	32.1	35.4	40.7	52.6	79.0
MANIFOLD	8.2	6.8	5.6	4.4	3.5	2.7	2.0	1.5	1.0	0.3
SPEED POINT	2200.0									
LOAD POINT	-51.1	1.5	19.4	37.4	55.3	73.2	91.1	109.1	127.0	144.9
FUEL RATE	3.6	13.8	15.5	17.2	19.0	21.0	23.4	26.1	29.2	32.7
THROTTLE	9.6	9.6	9.9	11.1	12.7	14.4	16.0	17.5	19.0	20.7

MANIFOLD	19.5	19.5	18.0	16.8	15.7	14.7	13.6	12.4	11.0	9.6
LOAD POINT	162.9	180.8	198.7	216.6	234.6	252.5	270.4	288.3	306.3	324.2
FUEL RATE	36.5	40.6	45.0	49.5	54.0	58.4	62.5	66.1	69.1	71.1
THRATTLE	22.8	25.2	28.1	31.1	33.9	36.4	39.1	43.3	53.4	79.0
MANIFOLD	8.1	6.7	5.4	4.3	3.4	2.8	2.3	1.9	1.5	0.6
SPEED POINT	2600.0									
LOAD POINT	-64.2	8.0	24.7	41.4	58.1	74.8	91.5	108.2	124.9	141.6
FUEL RATE	3.6	17.8	19.5	21.9	24.8	28.1	31.8	35.7	39.9	44.3
THRATTLE	9.2	9.2	10.9	13.1	15.3	17.1	18.4	19.5	20.7	22.3
MANIFOLD	19.8	19.8	18.3	17.0	16.0	14.8	13.6	12.1	10.5	8.9
LOAD POINT	158.3	175.0	191.7	208.4	225.1	241.8	258.5	275.3	292.0	308.7
FUEL RATE	48.7	53.1	57.5	61.8	65.9	69.8	73.3	76.6	79.4	81.7
THRATTLE	24.5	27.4	30.5	33.3	35.1	35.5	35.3	36.6	44.8	79.0
MANIFOLD	7.3	5.9	4.7	3.9	3.4	3.3	3.3	3.2	2.8	1.4
SPEED POINT	3000.0									
LOAD POINT	-77.4	4.9	20.6	36.3	52.1	67.8	83.6	99.3	115.1	130.8
FUEL RATE	3.6	23.0	24.0	26.2	29.1	32.6	36.7	41.3	46.3	51.5
THRATTLE	10.0	10.0	13.2	15.2	16.4	17.4	18.9	21.1	24.1	27.8
MANIFOLD	18.9	18.9	18.0	16.8	15.5	14.2	12.8	11.4	10.1	9.0
LOAD POINT	146.6	162.3	178.1	193.8	209.6	225.3	241.1	256.8	272.6	288.3
FUEL RATE	56.9	62.3	67.6	72.7	77.4	81.6	85.2	88.0	89.8	90.6
THRATTLE	31.8	35.5	37.9	38.7	38.0	36.7	36.2	38.9	49.5	79.0
MANIFOLD	8.1	7.3	6.7	6.3	6.0	5.7	5.3	4.7	3.5	2.0
SPEED POINT	3500.0									
LOAD POINT	-93.9	8.1	21.7	35.3	48.9	62.5	76.2	89.8	103.4	117.0
FUEL RATE	3.6	30.8	31.3	33.4	36.4	40.3	44.8	49.9	55.3	61.0
THRATTLE	17.0	17.0	18.4	19.6	20.5	21.6	22.9	24.6	26.6	28.8
MANIFOLD	17.5	17.5	16.9	15.8	14.6	13.3	12.2	11.2	10.5	9.9
LOAD POINT	130.6	144.2	157.8	171.5	185.1	198.7	212.3	225.9	239.5	253.1
FUEL RATE	66.7	72.3	77.8	82.8	87.4	91.3	94.5	96.8	98.1	98.3
THRATTLE	31.1	33.3	35.3	37.2	39.1	41.3	44.7	50.4	60.5	79.0
MANIFOLD	9.5	9.1	8.6	8.1	7.3	6.4	5.4	4.2	3.2	2.5
*ENGINE		C6FDC6		RPM		TORQUE		G/HR(*.1)		
1976 FORD	400.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	4.000	4.000	8.	650.	3500.	.1100	.7126			
SPEED POINT	650.0									
LOAD POINT	0.0	0.3	1.4	2.5	3.6	4.7	5.8	6.9	8.0	9.1
EMISSION RATE	12.7	12.7	11.2	9.9	8.6	7.5	6.5	5.7	4.9	4.3
THRATTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2
MANIFOLD	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.9	19.8	19.8
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.8	4.3
THRATTLE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MANIFOLD	19.7	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.5
SPEED POINT	750.0									
LOAD POINT	-3.3	0.2	1.3	2.4	3.5	4.6	5.7	6.8	8.0	9.1
EMISSION RATE	12.7	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.2
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
MANIFOLD	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.2
THRATTLE	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0
MANIFOLD	20.4	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.8	19.7
SPEED POINT	850.0									
LOAD POINT	-6.6	7.8	24.5	41.2	57.9	74.7	91.4	108.1	124.8	141.5
EMISSION RATE	12.7	5.2	4.3	3.5	2.9	2.6	2.5	2.6	3.0	4.0
THRATTLE	3.0	3.0	2.8	3.1	3.7	4.5	5.4	6.5	7.7	9.1
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.6	15.2	13.6	11.9	10.1
LOAD POINT	158.2	174.9	191.6	208.4	225.1	241.8	258.5	275.2	291.9	308.6
EMISSION RATE	5.7	9.2	15.9	29.3	55.3	103.8	186.5	306.5	438.5	517.7
THRATTLE	10.7	12.5	14.7	17.2	20.1	23.5	28.0	35.3	50.2	79.0

MANIFOLD	8.4	6.8	5.4	4.2	3.2	2.4	1.8	1.2	0.7	0.0
SPEED POINT	1000.0									
LOAD POINT	-11.5	28.3	43.9	59.6	75.2	90.9	106.6	122.2	137.9	153.5
EMISSION RATE	12.7	3.2	5.3	6.0	5.6	5.0	4.6	4.7	5.4	7.1
THROTTLE	3.7	3.7	3.4	3.5	3.9	4.6	5.7	7.1	8.7	10.5
MANIFOLD	19.5	19.5	18.9	18.4	17.6	16.6	15.4	14.0	12.3	10.6
LOAD POINT	169.2	184.9	200.5	216.2	231.8	247.5	263.2	278.8	294.5	310.1
EMISSION RATE	10.4	16.9	28.7	49.8	84.7	137.3	209.0	299.8	414.9	586.2
THROTTLE	12.3	14.1	15.8	17.6	19.9	23.2	28.7	38.1	55.1	79.0
MANIFOLD	8.8	7.2	5.7	4.3	3.3	2.5	1.9	1.4	0.7	0.0
SPEED POINT	1600.0									
LOAD POINT	-31.3	8.1	26.3	44.4	62.6	80.7	98.9	117.0	135.2	153.3
EMISSION RATE	12.7	7.0	9.0	7.8	6.1	5.7	5.7	6.2	9.7	18.3
THROTTLE	6.5	6.5	7.3	8.6	10.2	11.8	13.2	14.5	15.8	17.3
MANIFOLD	19.6	19.6	17.7	16.4	15.2	14.3	13.3	12.2	11.1	9.9
LOAD POINT	171.5	189.6	207.8	225.9	244.1	262.2	280.4	298.5	316.7	334.8
EMISSION RATE	39.1	87.4	188.2	362.9	595.0	813.4	951.1	1032.1	1208.2	1896.0
THROTTLE	19.2	21.6	24.5	27.8	31.2	34.4	37.7	42.5	53.0	79.0
MANIFOLD	8.6	7.3	6.0	4.8	3.8	2.8	2.0	1.4	0.7	0.0
SPEED POINT	1800.0									
LOAD POINT	-37.9	3.0	21.6	40.2	58.8	77.4	96.0	114.5	133.1	151.7
EMISSION RATE	12.7	9.3	10.1	8.7	7.3	7.0	7.5	10.3	17.3	33.5
THROTTLE	8.1	8.1	8.8	9.8	10.9	11.9	12.8	13.7	14.9	16.3
MANIFOLD	19.7	19.7	18.2	16.9	15.8	14.7	13.5	12.3	10.9	9.6
LOAD POINT	170.3	188.9	207.5	226.1	244.7	263.2	281.8	300.4	319.0	337.6
EMISSION RATE	70.6	150.2	299.4	526.3	784.4	984.8	1080.5	1133.9	1328.5	2008.0
THROTTLE	18.1	20.5	23.2	26.2	29.2	32.1	35.4	40.7	52.6	79.0
MANIFOLD	8.2	6.8	5.6	4.4	3.5	2.7	2.0	1.5	1.0	0.3
SPEED POINT	2200.0									
LOAD POINT	-51.1	1.5	19.4	37.4	55.3	73.2	91.1	109.1	127.0	144.9
EMISSION RATE	12.7	12.7	11.4	11.4	13.2	17.7	27.0	45.8	83.0	154.5
THROTTLE	9.6	9.6	9.9	11.1	12.7	14.4	16.0	17.5	19.0	20.7
MANIFOLD	19.5	19.5	18.0	16.8	15.7	14.7	13.6	12.4	11.0	9.6
LOAD POINT	162.9	180.8	198.7	216.6	234.6	252.5	270.4	288.3	306.3	324.2
EMISSION RATE	282.7	488.8	772.3	1089.8	1362.3	1524.3	1578.2	1604.6	1753.2	2229.0
THROTTLE	22.8	25.2	28.1	31.1	33.9	36.4	39.1	43.3	53.4	79.0
MANIFOLD	8.1	6.7	5.4	4.3	3.4	2.8	2.3	1.9	1.5	0.6
SPEED POINT	2600.0									
LOAD POINT	-64.2	8.0	24.7	41.4	58.1	74.8	91.5	108.2	124.9	141.6
EMISSION RATE	12.7	39.9	39.2	47.6	67.1	104.1	169.4	278.2	446.7	685.0
THROTTLE	9.2	9.2	10.9	13.1	15.3	17.1	18.4	19.5	20.7	22.3
MANIFOLD	19.8	19.8	18.3	17.0	16.0	14.8	13.6	12.1	10.5	8.9
LOAD POINT	158.3	175.0	191.7	208.4	225.1	241.8	258.5	275.3	292.0	308.7
EMISSION RATE	986.7	1322.3	1643.5	1900.6	2064.7	2139.4	2159.0	2178.4	2267.7	2524.9
THROTTLE	24.5	27.4	30.5	33.3	35.1	35.5	35.3	36.6	44.8	79.0
MANIFOLD	7.3	5.9	4.7	3.9	3.4	3.3	3.3	3.2	2.8	1.4
SPEED POINT	3000.0									
LOAD POINT	-77.4	4.9	20.6	36.3	52.1	67.8	83.6	99.3	115.1	130.8
EMISSION RATE	12.7	65.9	47.4	52.1	75.9	128.6	230.9	410.3	689.9	1070.2
THROTTLE	10.0	10.0	13.2	15.2	16.4	17.4	18.9	21.1	24.1	27.8
MANIFOLD	18.9	18.9	18.0	16.8	15.5	14.2	12.8	11.4	10.1	9.0
LOAD POINT	146.6	162.3	178.1	193.8	209.6	225.3	241.1	256.8	272.6	288.3
FUEL RATE	1516.5	1967.6	2362.7	2667.2	2878.8	3014.1	3087.5	3090.9	2981.2	2685.0
THROTTLE	31.8	35.5	37.9	38.7	38.0	36.7	36.2	38.9	49.5	79.0
MANIFOLD	8.1	7.3	6.7	6.3	6.0	5.7	5.3	4.7	3.5	2.0
SPEED POINT	3500.0									
LOAD POINT	-93.9	8.1	21.7	35.3	48.9	62.5	76.2	89.8	103.4	117.0
EMISSION RATE	12.7	77.1	86.1	113.4	166.3	259.2	412.9	652.1	997.7	1454.4
THROTTLE	17.0	17.0	18.4	19.6	20.5	21.6	22.9	24.6	26.6	28.8
MANIFOLD	17.5	17.5	16.9	15.8	14.6	13.3	12.2	11.2	10.5	9.9
LOAD POINT	130.6	144.2	157.8	171.5	185.1	198.7	212.3	225.9	239.5	253.1

FUEL RATE	1998.92575.73108.53522.43659.03659.03659.03546.13284.83003.5
THRUTTLE	31.1 33.3 35.3 37.2 39.1 41.3 44.7 50.4 60.5 79.0
MANIFOLD	9.5 9.1 8.6 8.1 7.3 6.4 5.4 4.2 3.2 2.5
*ENGINE	H6FDC6 RPM TORQUE G/HR
1976 FORD	400.0 ENGINE HC MAP CATALYTIC CONVERTER
DATA	4.000 4.000 8. 650. 3500. .1100 .7126
SPEED POINT	650.0
LOAD POINT	0.0 0.3 1.4 2.5 3.6 4.7 5.8 6.9 8.0 9.1
EMISSION RATE	145.5 145.5 142.9 140.1 137.2 134.2 131.1 127.9 124.5 121.1
THRUTTLE	0.0 0.0 0.0 0.1 0.1 0.1 0.2 0.2 0.2 0.2
MANIFOLD	20.3 20.3 20.2 20.1 20.1 20.0 19.9 19.9 19.8 19.8
LOAD POINT	10.2 11.3 12.4 13.5 14.6 15.7 16.8 17.9 19.0 20.1
EMISSION RATE	117.5 113.8 110.0 106.1 102.1 97.9 93.7 89.3 84.8 80.2
THRUTTLE	0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
MANIFOLD	19.7 19.7 19.7 19.6 19.6 19.6 19.5 19.5 19.5 19.5
SPEED POINT	750.0
LOAD POINT	-3.3 0.2 1.3 2.4 3.5 4.6 5.7 6.8 8.0 9.1
EMISSION RATE	145.5 156.0 153.0 149.9 146.6 143.1 139.5 135.7 131.7 127.5
THRUTTLE	0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.1 0.2 0.2
MANIFOLD	20.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20.4 20.4
LOAD POINT	10.2 11.3 12.4 13.5 14.6 15.7 16.8 17.9 19.0 20.1
EMISSION RATE	123.1 118.6 113.8 108.9 103.9 98.6 93.2 87.6 81.8 75.8
THRUTTLE	0.3 0.3 0.4 0.4 0.5 0.6 0.7 0.8 0.9 1.0
MANIFOLD	20.4 20.3 20.3 20.2 20.1 20.1 20.0 19.9 19.8 19.7
SPEED POINT	850.0
LOAD POINT	-6.6 7.8 24.5 41.2 57.9 74.7 91.4 108.1 124.8 141.5
EMISSION RATE	145.5 91.1 48.0 32.9 27.2 25.7 26.1 27.9 30.3 32.9
THRUTTLE	3.0 3.0 2.8 3.1 3.7 4.5 5.4 6.5 7.7 9.1
MANIFOLD	20.5 20.5 19.8 18.9 17.9 16.6 15.2 13.6 11.9 10.1
LOAD POINT	158.2 174.9 191.6 208.4 225.1 241.8 258.5 275.2 291.9 308.6
EMISSION RATE	35.4 37.6 39.5 41.5 44.1 48.2 55.2 67.6 90.3 134.2
THRUTTLE	10.7 12.5 14.7 17.2 20.1 23.5 28.0 35.3 50.2 79.0
MANIFOLD	8.4 6.8 5.4 4.2 3.2 2.4 1.8 1.2 0.7 0.0
SPEED POINT	1000.0
LOAD POINT	-11.5 28.3 43.9 59.6 75.2 90.9 106.6 122.2 137.9 153.5
EMISSION RATE	145.5 104.2 69.7 49.0 37.2 31.0 28.2 27.8 29.1 31.8
THRUTTLE	3.7 3.7 3.4 3.5 3.9 4.6 5.7 7.1 8.7 10.5
MANIFOLD	19.5 19.5 18.9 18.4 17.6 16.6 15.4 14.0 12.3 10.6
LOAD POINT	169.2 184.9 200.5 216.2 231.8 247.5 263.2 278.8 294.5 310.1
EMISSION RATE	35.2 38.9 42.0 44.1 45.2 45.9 47.7 53.7 70.6 120.4
THRUTTLE	12.3 14.1 15.8 17.6 19.9 23.2 28.7 38.1 55.1 79.0
MANIFOLD	8.8 7.2 5.7 4.3 3.3 2.5 1.9 1.4 0.7 0.0
SPEED POINT	1600.0
LOAD POINT	-31.3 8.1 26.3 44.4 62.6 80.7 98.9 117.0 135.2 153.3
EMISSION RATE	145.5 216.0 93.4 39.2 20.7 13.6 10.9 10.3 11.1 13.1
THRUTTLE	6.5 6.5 7.3 8.6 10.2 11.8 13.2 14.5 15.8 17.3
MANIFOLD	19.6 19.6 17.7 16.4 15.2 14.3 13.3 12.2 11.1 9.9
LOAD POINT	171.5 189.6 207.8 225.9 244.1 262.2 280.4 298.5 316.7 334.8
EMISSION RATE	15.9 19.4 23.1 26.2 28.5 30.3 33.0 39.8 59.3 126.7
THRUTTLE	19.2 21.6 24.5 27.8 31.2 34.4 37.7 42.5 53.0 79.0
MANIFOLD	8.6 7.3 6.0 4.8 3.8 2.8 2.0 1.4 0.7 0.0
SPEED POINT	1800.0
LOAD POINT	-37.9 3.0 21.6 40.2 58.8 77.4 96.0 114.5 133.1 151.7
EMISSION RATE	145.5 374.1 124.8 59.2 38.6 31.5 30.0 31.1 33.7 36.8
THRUTTLE	8.1 8.1 8.8 9.8 10.9 11.9 12.8 13.7 14.9 16.3
MANIFOLD	19.7 19.7 18.2 16.9 15.8 14.7 13.5 12.3 10.9 9.6
LOAD POINT	170.3 188.9 207.5 226.1 244.7 263.2 281.8 300.4 319.0 337.6
EMISSION RATE	39.7 41.9 43.3 44.5 46.4 50.7 60.6 83.0 138.0 296.8
THRUTTLE	18.1 20.5 23.2 26.2 29.2 32.1 35.4 40.7 52.6 79.0
MANIFOLD	8.2 6.8 5.6 4.4 3.5 2.7 2.0 1.5 1.0 0.3
SPEED POINT	2200.0

LOAD POINT	-51.1	1.5	19.4	37.4	55.3	73.2	91.1	109.1	127.0	144.9
EMISSION RATE	145.5	232.6	69.1	37.7	29.9	28.9	30.3	32.1	33.4	33.9
THROTTLE	9.6	9.6	9.9	11.1	12.7	14.4	16.0	17.5	19.0	20.7
MANIFOLD	19.5	19.5	18.0	16.8	15.7	14.7	13.6	12.4	11.0	9.6
LOAD POINT	162.9	180.8	198.7	216.6	234.6	252.5	270.4	288.3	306.3	324.2
EMISSION RATE	34.3	35.5	38.9	46.4	61.3	88.7	135.2	200.9	250.2	232.6
THROTTLE	22.8	25.2	28.1	31.1	33.9	36.4	39.1	43.3	53.4	79.0
MANIFOLD	8.1	6.7	5.4	4.3	3.4	2.8	2.3	1.9	1.5	0.6
SPEED POINT	2600.0									
LOAD POINT	-64.2	3.0	24.7	41.4	58.1	74.8	91.5	108.2	124.9	141.6
EMISSION RATE	145.5	10.9	11.0	11.8	13.4	16.1	20.4	26.8	36.1	49.2
THROTTLE	9.2	9.2	10.9	13.1	15.3	17.1	18.4	19.5	20.7	22.3
MANIFOLD	19.8	19.8	18.3	17.0	16.0	14.8	13.6	12.1	10.5	8.9
LOAD POINT	153.3	175.0	191.7	208.4	225.1	241.8	258.5	275.3	292.0	308.7
EMISSION RATE	66.7	88.9	115.1	143.6	171.7	196.8	217.7	235.5	254.7	283.9
THROTTLE	24.5	27.4	30.5	33.3	35.1	35.5	35.3	36.6	44.8	79.0
MANIFOLD	7.3	5.9	4.7	3.9	3.4	3.3	3.3	3.2	2.8	1.4
SPEED POINT	3000.0									
LOAD POINT	-77.4	4.9	20.6	36.3	52.1	67.8	83.6	99.3	115.1	130.8
EMISSION RATE	145.5	4.0	5.5	7.1	9.0	11.7	15.8	22.3	33.0	49.9
THROTTLE	10.0	10.0	13.2	15.2	16.4	17.4	18.9	21.1	24.1	27.8
MANIFOLD	18.9	18.9	18.0	16.8	15.5	14.2	12.8	11.4	10.1	9.0
LOAD POINT	146.6	162.3	178.1	193.8	209.6	225.3	241.1	256.8	272.6	288.3
EMISSION RATE	75.8	112.8	160.7	214.5	264.3	298.8	312.1	307.7	298.0	301.5
THROTTLE	31.8	35.5	37.9	38.7	38.0	36.7	36.2	38.9	49.5	79.0
MANIFOLD	8.1	7.3	6.7	6.3	6.0	5.7	5.3	4.7	3.5	2.0
SPEED POINT	3500.0									
LOAD POINT	-93.9	8.1	21.7	35.3	48.9	62.5	76.2	89.8	103.4	117.0
EMISSION RATE	145.5	17.3	6.0	5.6	5.6	8.1	15.3	30.3	58.2	102.8
THROTTLE	17.0	17.0	18.4	19.6	20.5	21.6	22.9	24.6	26.6	28.8
MANIFOLD	17.5	17.5	16.9	15.8	14.6	13.3	12.2	11.2	10.5	9.9
LOAD POINT	130.6	144.2	157.8	171.5	185.1	198.7	212.3	225.9	239.5	253.1
EMISSION RATE	162.1	226.2	280.8	315.7	329.8	329.3	323.4	319.8	323.3	335.0
THROTTLE	31.1	33.3	35.3	37.2	39.1	41.3	44.7	50.4	60.5	79.0
MANIFOLD	9.5	9.1	8.6	8.1	7.3	6.4	5.4	4.2	3.2	2.5
*ENGINE		No	FOC6	RPM		TORQUE	G/HR			
1976 FORD	400.0	ENGINE	NOX	MAP		CATALYTIC	CONVERTER			
DATA	4.000	4.000	8.	650.	3500.	.1100	.7126			
SPEED POINT	650.0									
LOAD POINT	0.0	0.3	1.4	2.5	3.6	4.7	5.8	6.9	8.0	9.1
EMISSION RATE	0.4	0.4	0.6	0.8	1.0	1.2	1.3	1.4	1.6	1.6
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2
MANIFOLD	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.9	19.8	19.8
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6
THROTTLE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MANIFOLD	19.7	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.5
SPEED POINT	750.0									
LOAD POINT	-3.3	0.2	1.3	2.4	3.5	4.6	5.7	6.8	8.0	9.1
EMISSION RATE	0.4	0.8	0.8	0.8	0.9	0.9	1.0	1.1	1.2	1.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
MANIFOLD	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	1.5	1.7	1.9	2.2	2.4	2.7	3.0	3.3	3.7	4.0
THROTTLE	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0
MANIFOLD	20.4	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.8	19.7
SPEED POINT	850.0									
LOAD POINT	-6.6	7.8	24.5	41.2	57.9	74.7	91.4	108.1	124.8	141.5
EMISSION RATE	0.4	4.8	9.8	16.9	26.0	38.0	54.5	76.6	102.7	125.8
THROTTLE	3.0	3.0	2.8	3.1	3.7	4.5	5.4	6.5	7.7	9.1
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.6	15.2	13.6	11.9	10.1

LOAD PCINT	158.2	174.9	191.6	208.4	225.1	241.8	258.5	275.2	291.9	308.6
EMISSION RATE	135.6	126.4	104.4	81.7	67.4	66.3	84.9	139.7	236.1	231.6
THROTTLE	10.7	12.5	14.7	17.2	20.1	23.5	28.0	35.3	50.2	79.0
MANIFOLD	8.4	6.8	5.4	4.2	3.2	2.4	1.8	1.2	0.7	0.0
SPEED POINT 1000.0										
LOAD POINT	-11.5	28.3	43.9	59.6	75.2	90.9	106.6	122.2	137.9	153.5
EMISSION RATE	0.4	12.8	13.3	17.2	22.8	31.1	46.4	76.9	132.5	209.2
THROTTLE	3.7	3.7	3.4	3.5	3.9	4.6	5.7	7.1	8.7	10.5
MANIFOLD	19.5	19.5	18.9	18.4	17.6	16.6	15.4	14.0	12.3	10.6
LOAD POINT	169.2	184.9	200.5	216.2	231.8	247.5	263.2	278.8	294.5	310.1
EMISSION RATE	261.3	232.2	145.2	72.2	36.7	26.6	36.5	97.7	299.5	227.6
THROTTLE	12.3	14.1	15.8	17.6	19.9	23.2	28.7	38.1	55.1	79.0
MANIFOLD	8.8	7.2	5.7	4.3	3.3	2.5	1.9	1.4	0.7	0.0
SPEED POINT 1600.0										
LOAD POINT	-31.3	8.1	26.3	44.4	62.6	80.7	98.9	117.0	135.2	153.3
EMISSION RATE	0.4	6.4	12.9	22.1	37.1	63.3	105.6	161.6	212.7	216.9
THROTTLE	6.5	6.5	7.3	8.6	10.2	11.8	13.2	14.5	15.8	17.3
MANIFOLD	19.6	19.6	17.7	16.4	15.2	14.3	13.3	12.2	11.1	9.9
LOAD POINT	171.5	189.6	207.8	225.9	244.1	262.2	280.4	298.5	316.7	334.8
EMISSION RATE	209.1	163.0	118.8	89.9	78.5	85.0	114.4	169.7	206.0	118.5
THROTTLE	19.2	21.6	24.5	27.8	31.2	34.4	37.7	42.5	53.0	79.0
MANIFOLD	8.6	7.3	6.0	4.8	3.8	2.8	2.0	1.4	0.7	0.0
SPEED POINT 1800.0										
LOAD POINT	-37.9	3.0	21.6	40.2	58.8	77.4	96.0	114.5	133.1	151.7
EMISSION RATE	0.4	6.4	18.4	34.8	54.0	77.4	105.6	135.4	158.4	165.6
THROTTLE	8.1	8.1	8.8	9.8	10.9	11.9	12.8	13.7	14.9	16.3
MANIFOLD	19.7	19.7	18.2	16.9	15.8	14.7	13.5	12.3	10.9	9.6
LOAD POINT	170.3	188.9	207.5	226.1	244.7	263.2	281.8	300.4	319.0	337.6
EMISSION RATE	155.0	133.7	112.7	100.2	101.2	122.0	172.4	250.5	274.4	136.8
THROTTLE	18.1	20.5	23.2	26.2	29.2	32.1	35.4	40.7	52.6	79.0
MANIFOLD	8.2	6.8	5.6	4.4	3.5	2.7	2.0	1.5	1.0	0.3
SPEED POINT 2200.0										
LOAD POINT	-51.1	1.5	19.4	37.4	55.3	73.2	91.1	109.1	127.0	144.9
EMISSION RATE	0.4	11.7	28.9	42.2	63.5	105.4	167.0	214.8	207.1	155.1
THROTTLE	9.6	9.6	9.9	11.1	12.7	14.4	16.0	17.5	19.0	20.7
MANIFOLD	19.5	19.5	18.0	16.8	15.7	14.7	13.6	12.4	11.0	9.6
LOAD POINT	162.9	180.8	198.7	216.6	234.6	252.5	270.4	288.3	306.3	324.2
EMISSION RATE	103.0	72.5	63.2	73.7	109.6	175.2	238.3	234.5	191.8	285.5
THROTTLE	22.8	25.2	28.1	31.1	33.9	36.4	39.1	43.3	53.4	79.0
MANIFOLD	8.1	6.7	5.4	4.3	3.4	2.8	2.3	1.9	1.5	0.6
SPEED POINT 2600.0										
LOAD POINT	-64.2	8.0	24.7	41.4	58.1	74.8	91.5	108.2	124.9	141.6
EMISSION RATE	0.4	12.3	18.9	35.7	60.5	81.3	86.6	78.2	65.5	55.5
THROTTLE	9.2	9.2	10.9	13.1	15.3	17.1	18.4	19.5	20.7	22.3
MANIFOLD	19.8	19.8	18.3	17.0	16.0	14.8	13.6	12.1	10.5	8.9
LOAD POINT	158.3	175.0	191.7	208.4	225.1	241.8	258.5	275.3	292.0	308.7
EMISSION RATE	51.0	52.8	62.1	81.4	114.4	164.4	228.8	293.1	324.2	308.3
THROTTLE	24.5	27.4	30.5	33.3	35.1	35.5	35.3	36.6	44.8	79.0
MANIFOLD	7.3	5.9	4.7	3.9	3.4	3.3	3.3	3.2	2.8	1.4
SPEED POINT 3000.0										
LOAD POINT	-77.4	4.9	20.6	36.3	52.1	67.8	83.6	99.3	115.1	130.8
EMISSION RATE	0.4	14.3	28.9	42.2	54.7	66.7	75.6	79.0	76.7	72.0
THROTTLE	10.0	10.0	13.2	15.2	16.4	17.4	18.9	21.1	24.1	27.8
MANIFOLD	18.9	18.9	18.0	16.8	15.5	14.2	12.8	11.4	10.1	9.0
LOAD POINT	146.6	162.3	178.1	193.8	209.6	225.3	241.1	256.8	272.6	288.3
EMISSION RATE	69.2	72.5	85.9	115.0	165.9	236.0	298.7	318.2	309.4	389.6
THROTTLE	31.8	35.5	37.9	38.7	38.0	36.7	36.2	38.9	49.5	79.0
MANIFOLD	8.1	7.3	6.7	6.3	6.0	5.7	5.3	4.7	3.5	2.0
SPEED POINT 3500.0										
LOAD POINT	-93.9	8.1	21.7	35.3	48.9	62.5	76.2	89.8	103.4	117.0
EMISSION RATE	0.4	17.1	25.1	33.7	39.9	44.7	51.0	62.4	82.2	112.4

THROTTLE	17.0	17.0	18.4	19.6	20.5	21.6	22.9	24.6	26.6	28.8
MANIFOLD	17.5	17.5	16.9	15.8	14.6	13.3	12.2	11.2	10.5	9.9
LOAD POINT	130.6	144.2	157.8	171.5	185.1	198.7	212.3	225.9	239.5	253.1
EMISSION RATE	150.2	185.2	203.9	203.0	194.4	197.5	233.9	328.2	381.2	381.2
THROTTLE	31.1	33.3	35.3	37.2	39.1	41.3	44.7	50.4	60.5	79.0
MANIFOLD	9.5	9.1	8.6	8.1	7.3	6.4	5.4	4.2	3.2	2.5
*ENGINE		X6FOC6		RPM		TORQUE		G/HR(%.1)		
1976 FORD	400.0	ENGINE	RAW CO	MAP		CATALYTIC		CONVERTER		
DATA	4.000	4.000	8.	650.	3500.	.1100	.7126			
SPEED POINT	650.0									
LOAD POINT	0.0	0.3	1.4	2.5	3.6	4.7	5.8	6.9	8.0	9.1
EMISSION RATE	30.3	30.3	27.9	25.6	23.5	21.6	19.9	18.4	17.0	15.9
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2
MANIFOLD	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.9	19.8	19.8
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	14.9	14.2	13.6	13.2	13.0	12.9	13.1	13.5	14.0	14.7
THROTTLE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MANIFOLD	19.7	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.5
SPEED POINT	750.0									
LOAD POINT	-3.3	0.2	1.3	2.4	3.5	4.6	5.7	6.8	8.0	9.1
EMISSION RATE	30.3	9.0	10.3	11.4	12.4	13.3	14.0	14.6	15.1	15.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
MANIFOLD	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	15.7	15.7	15.7	15.5	15.2	14.7	14.1	13.4	12.6	11.6
THROTTLE	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0
MANIFOLD	20.4	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.8	19.7
SPEED POINT	850.0									
LOAD POINT	-6.6	7.8	24.5	41.2	57.5	74.7	91.4	108.1	124.8	141.5
EMISSION RATE	30.3	11.5	9.6	7.0	5.1	3.9	3.4	3.4	4.0	5.4
THROTTLE	3.0	3.0	2.8	3.1	3.7	4.5	5.4	6.5	7.7	9.1
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.6	15.2	13.6	11.9	10.1
LOAD POINT	158.2	174.9	191.6	208.4	225.1	241.8	258.5	275.2	291.9	308.6
EMISSION RATE	8.5	14.7	27.6	53.2	101.6	183.9	303.2	441.3	553.9	593.1
THROTTLE	10.7	12.5	14.7	17.2	20.1	23.5	28.0	35.3	50.2	79.0
MANIFOLD	8.4	6.8	5.4	4.2	3.2	2.4	1.8	1.2	0.7	0.0
SPEED POINT	1000.0									
LOAD POINT	-11.5	28.3	43.9	59.6	75.2	90.9	106.6	122.2	137.9	153.5
EMISSION RATE	30.3	15.8	15.0	12.6	10.3	8.7	7.9	8.1	9.3	12.2
THROTTLE	3.7	3.7	3.4	3.5	3.9	4.6	5.7	7.1	8.7	10.5
MANIFOLD	19.5	19.5	18.9	18.4	17.6	16.6	15.4	14.0	12.3	10.6
LOAD POINT	169.2	184.9	200.5	216.2	231.8	247.5	263.2	278.8	294.5	310.1
EMISSION RATE	17.8	28.4	48.2	84.1	145.5	240.6	367.0	500.0	592.9	600.8
THROTTLE	12.3	14.1	15.8	17.6	19.9	23.2	28.7	38.1	55.1	79.0
MANIFOLD	8.8	7.2	5.7	4.3	3.3	2.5	1.9	1.4	0.7	0.0
SPEED POINT	1600.0									
LOAD POINT	-31.3	8.1	26.3	44.4	62.6	80.7	98.9	117.0	135.2	153.3
EMISSION RATE	30.3	13.5	17.1	14.8	11.5	9.7	9.7	12.1	18.9	35.4
THROTTLE	6.5	6.5	7.3	8.6	10.2	11.8	13.2	14.5	15.8	17.3
MANIFOLD	19.6	19.6	17.7	16.4	15.2	14.3	13.3	12.2	11.1	9.9
LOAD POINT	171.5	189.6	207.8	225.9	244.1	262.2	280.4	298.5	316.7	334.8
EMISSION RATE	74.1	160.1	329.2	598.5	914.7	1155.2	1239.9	1232.1	1323.5	1400.0
THROTTLE	19.2	21.6	24.5	27.8	31.2	34.4	37.7	42.5	53.0	79.0
MANIFOLD	8.6	7.3	6.0	4.8	3.8	2.8	2.0	1.4	0.7	0.0
SPEED POINT	1800.0									
LOAD POINT	-37.9	3.0	21.6	40.2	58.8	77.4	96.0	114.5	133.1	151.7
EMISSION RATE	30.3	17.6	18.7	16.0	13.9	13.9	14.6	20.7	35.4	69.3
THROTTLE	8.1	8.1	8.8	9.8	10.9	11.9	12.8	13.7	14.9	16.3
MANIFOLD	19.7	19.7	18.2	16.9	15.8	14.7	13.5	12.3	10.9	9.6
LOAD POINT	170.3	188.9	207.5	226.1	244.7	263.2	281.8	300.4	319.0	337.6
EMISSION RATE	145.0	300.3	570.1	933.7	1271.9	1440.1	1418.7	1348.5	1468.4	1410.0

THROTTLE	18.1	20.5	23.2	26.2	29.2	32.1	35.4	40.7	52.6	75.0
MANIFOLD	8.2	6.8	5.6	4.4	3.5	2.7	2.0	1.5	1.0	0.3
SPEED POINT	2200.0									
LOAD POINT	-51.1	1.5	19.4	37.4	55.3	73.2	91.1	109.1	127.0	144.9
EMISSION RATE	30.3	31.8	24.1	23.1	27.2	38.1	60.6	104.8	188.3	336.4
THROTTLE	9.6	9.6	9.9	11.1	12.7	14.4	16.0	17.5	19.0	20.7
MANIFOLD	19.5	19.5	18.0	16.8	15.7	14.7	13.6	12.4	11.0	9.6
LOAD POINT	162.9	180.8	198.7	216.6	234.6	252.5	270.4	288.3	306.3	324.2
EMISSION RATE	574.1	905.7	1289.1	1634.7	1849.1	1898.9	1835.6	1769.2	1843.4	2273.0
THROTTLE	22.8	25.2	28.1	31.1	33.9	36.4	39.1	43.3	53.4	79.0
MANIFOLD	8.1	6.7	5.4	4.3	3.4	2.8	2.3	1.9	1.5	0.6
SPEED POINT	2600.0									
LOAD POINT	-64.2	8.0	24.7	41.4	58.1	74.8	91.5	108.2	124.9	141.6
EMISSION RATE	30.3	71.2	61.5	71.7	102.1	163.4	274.2	458.4	733.9	1096.6
THROTTLE	9.2	9.2	10.9	13.1	15.3	17.1	18.4	19.5	20.7	22.3
MANIFOLD	19.8	19.8	18.3	17.0	16.0	14.8	13.6	12.1	10.5	8.9
LOAD POINT	158.3	175.0	191.7	208.4	225.1	241.8	258.5	275.3	292.0	308.7
FUEL RATE	1506.6	1893.6	2185.3	2341.2	2368.4	2312.2	2234.1	2195.9	2258.5	2499.3
THROTTLE	24.5	27.4	30.5	33.3	35.1	35.5	35.3	36.6	44.8	79.0
MANIFOLD	7.3	5.9	4.7	3.9	3.4	3.3	3.3	3.2	2.8	1.4
SPEED POINT	3000.0									
LOAD POINT	-77.4	4.9	20.6	36.3	52.1	67.8	83.6	99.3	115.1	130.8
EMISSION RATE	30.3	136.4	76.0	76.6	110.7	192.4	353.5	628.3	1024.8	1497.4
THROTTLE	10.0	10.0	13.2	15.2	16.4	17.4	18.9	21.1	24.1	27.8
MANIFOLD	18.9	18.9	18.0	16.8	15.5	14.2	12.8	11.4	10.1	9.0
LOAD POINT	146.6	162.3	178.1	193.8	209.6	225.3	241.1	256.8	272.6	288.3
FUEL RATE	1957.3	2323.2	2567.3	2718.6	2832.5	2955.7	3097.9	3202.0	3117.8	2641.6
THROTTLE	31.8	35.5	37.9	38.7	38.0	36.7	36.2	38.4	49.5	79.0
MANIFOLD	8.1	7.3	6.7	6.3	6.0	5.7	5.3	4.7	3.5	2.0
SPEED POINT	3500.0									
LOAD POINT	-93.9	8.1	21.7	35.3	48.9	62.5	76.2	89.8	103.4	117.0
EMISSION RATE	30.3	312.7	256.3	278.7	361.9	513.1	746.3	1067.1	1462.1	1897.2
THROTTLE	17.0	17.0	18.4	19.6	20.5	21.6	22.9	24.6	26.6	28.8
MANIFOLD	17.5	17.5	16.9	15.8	14.6	13.3	12.2	11.2	10.5	9.9
LOAD POINT	130.6	144.2	157.8	171.5	185.1	198.7	212.3	225.9	239.5	253.1
FUEL RATE	2328.4	2719.6	3053.5	3331.9	3563.5	3691.0	3691.0	3691.0	3459.0	2779.4
THROTTLE	31.1	33.3	35.3	37.2	39.1	41.3	44.7	50.4	60.5	79.0
MANIFOLD	9.5	9.1	8.6	8.1	7.3	6.4	5.4	4.2	3.2	2.5
*ENGINE		Y6FDC6		RPM		TORQUE		G/HR		
1976 FORD	400.0	ENGINE	RAW	HC	MAP	CATALYTIC	CONVERTER			
DATA	4.000	4.000	8.	650.	3500.	.1100	.7126			
SPEED POINT	650.0									
LOAD POINT	0.0	0.3	1.4	2.5	3.6	4.7	5.8	6.9	8.0	9.1
EMISSION RATE	259.8	259.8	271.4	280.6	287.7	292.6	295.3	295.7	294.0	290.0
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2
MANIFOLD	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.9	19.8	19.8
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	283.9	275.5	264.9	252.1	237.1	219.9	200.5	178.9	155.1	129.0
THROTTLE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
MANIFOLD	19.7	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.5
SPEED POINT	750.0									
LOAD POINT	-3.3	0.2	1.3	2.4	3.5	4.6	5.7	6.8	8.0	9.1
EMISSION RATE	259.8	195.0	201.9	207.6	212.2	215.7	218.0	219.3	219.4	218.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
MANIFOLD	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1
EMISSION RATE	216.2	212.9	208.4	202.9	196.2	188.4	179.5	169.4	158.2	145.9
THROTTLE	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0
MANIFOLD	20.4	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.8	19.7
SPEED POINT	850.0									
LOAD POINT	-6.6	7.8	24.5	41.2	57.9	74.7	91.4	108.1	124.8	141.5



EMISSION RATE	259.8	261.0	149.8	90.0	61.8	48.1	42.0	40.6	41.9	45.7
THRATTLE	3.0	3.0	2.8	3.1	3.7	4.5	5.4	6.5	7.7	9.1
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.6	15.2	13.6	11.9	10.1
LOAD POINT	158.2	174.9	191.6	208.4	225.1	241.8	258.5	275.2	291.9	308.6
EMISSION RATE	51.3	57.9	64.8	70.9	75.6	79.1	82.6	88.7	102.6	136.0
THRATTLE	10.7	12.5	14.7	17.2	20.1	23.5	28.0	35.3	50.2	79.0
MANIFOLD	8.4	6.8	5.4	4.2	3.2	2.4	1.8	1.2	0.7	0.0
SPEED POINT	1000.0									
LOAD POINT	-11.5	28.3	43.9	59.6	75.2	90.9	106.6	122.2	137.9	153.5
EMISSION RATE	259.8	172.1	212.8	177.2	122.9	82.7	59.3	47.9	45.3	45.9
THRATTLE	3.7	3.7	3.4	3.5	3.9	4.6	5.7	7.1	8.7	10.5
MANIFOLD	19.5	19.5	18.9	18.4	17.6	16.6	15.4	14.0	12.3	10.6
LOAD POINT	169.2	184.9	200.5	216.2	231.8	247.5	263.2	278.8	294.5	310.1
EMISSION RATE	52.1	61.7	72.8	82.3	86.7	84.9	79.6	76.3	84.3	127.4
THRATTLE	12.3	14.1	15.8	17.6	19.9	23.2	28.7	38.1	55.1	79.0
MANIFOLD	8.8	7.2	5.7	4.3	3.3	2.5	1.9	1.4	0.7	0.0
SPEED POINT	1600.0									
LOAD POINT	-31.3	8.1	26.3	44.4	62.6	80.7	98.9	117.0	135.2	153.3
EMISSION RATE	259.8	467.4	174.2	74.0	43.4	32.8	30.3	31.5	35.9	42.9
THRATTLE	6.5	6.5	7.3	8.6	10.2	11.8	13.2	14.5	15.8	17.3
MANIFOLD	19.6	19.6	17.7	16.4	15.2	14.3	13.3	12.2	11.1	9.9
LOAD POINT	171.5	189.6	207.8	225.9	244.1	262.2	280.4	298.5	316.7	334.8
EMISSION RATE	51.7	61.2	70.2	77.2	81.6	83.7	85.3	89.2	99.9	126.7
THRATTLE	19.2	21.6	24.5	27.8	31.2	34.4	37.7	42.5	53.0	79.0
MANIFOLD	8.6	7.3	6.0	4.8	3.8	2.8	2.0	1.4	0.7	0.0
SPEED POINT	1800.0									
LOAD POINT	-37.9	3.0	21.6	40.2	58.8	77.4	96.0	114.5	133.1	151.7
EMISSION RATE	259.8	499.1	178.0	88.7	61.7	53.5	53.0	56.2	60.8	65.4
THRATTLE	8.1	8.1	8.8	9.8	10.9	11.9	12.8	13.7	14.9	16.3
MANIFOLD	19.7	19.7	18.2	16.9	15.8	14.7	13.5	12.3	10.9	9.6
LOAD POINT	170.3	188.9	207.5	226.1	244.7	263.2	281.8	300.4	319.0	337.6
EMISSION RATE	68.9	71.0	72.2	73.5	76.7	83.9	98.4	126.5	181.0	291.0
THRATTLE	18.1	20.5	23.2	26.2	29.2	32.1	35.4	40.7	52.6	79.0
MANIFOLD	8.2	6.8	5.6	4.4	3.5	2.7	2.0	1.5	1.0	0.3
SPEED POINT	2200.0									
LOAD POINT	-51.1	1.5	19.4	37.4	55.3	73.2	91.1	109.1	127.0	144.9
EMISSION RATE	259.8	407.8	144.8	79.1	58.3	52.1	52.5	56.4	62.4	69.9
THRATTLE	9.6	9.6	9.9	11.1	12.7	14.4	16.0	17.5	19.0	20.7
MANIFOLD	19.5	19.5	18.0	16.8	15.7	14.7	13.6	12.4	11.0	9.6
LOAD POINT	162.9	180.8	198.7	216.6	234.6	252.5	270.4	288.3	306.3	324.2
EMISSION RATE	78.8	89.3	102.5	119.8	143.0	173.5	210.9	249.3	273.5	259.5
THRATTLE	22.8	25.2	28.1	31.1	33.9	36.4	39.1	43.3	53.4	79.0
MANIFOLD	8.1	6.7	5.4	4.3	3.4	2.8	2.3	1.9	1.5	0.6
SPEED POINT	2600.0									
LOAD POINT	-64.2	8.0	24.7	41.4	58.1	74.8	91.5	108.2	124.9	141.6
EMISSION RATE	259.8	12.8	11.7	13.0	16.6	23.5	35.1	53.5	80.4	116.2
THRATTLE	9.2	9.2	10.9	13.1	15.3	17.1	18.4	19.5	20.7	22.3
MANIFOLD	19.3	19.8	18.3	17.0	16.0	14.8	13.6	12.1	10.5	8.9
LOAD POINT	158.3	175.0	191.7	208.4	225.1	241.8	258.5	275.3	292.0	308.7
EMISSION RATE	158.1	200.1	234.3	254.4	259.3	253.2	244.3	242.7	261.6	322.1
THRATTLE	24.5	27.4	30.5	33.3	35.1	35.5	35.3	36.6	44.8	79.0
MANIFOLD	7.3	5.9	4.7	3.9	3.4	3.3	3.3	3.2	2.8	1.4
SPEED POINT	3000.0									
LOAD POINT	-77.4	4.9	20.6	36.3	52.1	67.8	83.6	99.3	115.1	130.8
EMISSION RATE	259.8	14.0	7.9	7.5	9.0	14.0	24.0	42.4	72.8	116.8
THRATTLE	10.0	10.0	13.2	15.2	16.4	17.4	18.9	21.1	24.1	27.8
MANIFOLD	18.9	18.9	18.0	16.8	15.5	14.2	12.8	11.4	10.1	9.0
LOAD POINT	146.6	162.3	178.1	193.8	209.6	225.3	241.1	256.8	272.6	288.3
EMISSION RATE	171.4	228.3	276.8	309.3	324.6	327.4	325.3	326.4	337.8	366.7
THRATTLE	31.8	35.5	37.9	38.7	38.0	36.7	36.2	38.9	49.5	79.0
MANIFOLD	8.1	7.3	6.7	6.3	6.0	5.7	5.3	4.7	3.5	2.0

SPEED POINT	3500.0										
LOAD POINT	-93.9	8.1	21.7	35.3	48.9	62.5	76.2	89.8	103.4	117.0	
EMISSION RATE	259.8	103.8	41.4	30.3	30.3	37.8	53.9	79.2	113.9	155.7	
THROTTLE	17.0	17.0	18.4	19.6	20.5	21.6	22.9	24.6	26.6	28.8	
MANIFOLD	17.5	17.5	16.9	15.8	14.6	13.3	12.2	11.2	10.5	9.9	
LOAD POINT	130.6	144.2	157.8	171.5	185.1	198.7	212.3	225.9	239.5	253.1	
EMISSION RATE	200.1	242.0	279.0	311.1	340.9	370.9	395.9	395.9	395.9	383.9	
THROTTLE	31.1	33.3	35.3	37.2	39.1	41.3	44.7	50.4	60.5	79.0	
MANIFOLD	9.5	9.1	8.6	8.1	7.3	6.4	5.4	4.2	3.2	2.5	
*ENGINE	Z6FDC6			RPM			TORQUE		G/HR		
1976 FORD	400.0	ENGINE	RAW NOX	MAP			CATALYTIC		CONVERTER		
DATA	4.000	4.000	8.	650.	3500.	.1100	.7126				
SPEED POINT	650.0										
LOAD POINT	0.0	0.3	1.4	2.5	3.6	4.7	5.8	6.9	8.0	9.1	
EMISSION RATE	0.5	0.5	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.1	
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	
MANIFOLD	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.9	19.8	19.8	
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1	
EMISSION RATE	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.7	2.7	2.7	
THROTTLE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
MANIFOLD	19.7	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.5	
SPEED POINT	750.0										
LOAD POINT	-3.3	0.2	1.3	2.4	3.5	4.6	5.7	6.8	8.0	9.1	
EMISSION RATE	0.5	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.9	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	
MANIFOLD	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4	
LOAD POINT	10.2	11.3	12.4	13.5	14.6	15.7	16.8	17.9	19.0	20.1	
EMISSION RATE	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	4.0	
THROTTLE	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
MANIFOLD	20.4	20.3	20.3	20.2	20.1	20.1	20.0	19.9	19.8	19.7	
SPEED POINT	850.0										
LOAD POINT	-6.6	7.8	24.5	41.2	57.9	74.7	91.4	108.1	124.8	141.5	
EMISSION RATE	0.5	3.4	10.1	16.8	24.1	35.6	55.1	64.6	118.9	144.0	
THROTTLE	3.0	3.0	2.8	3.1	3.7	4.5	5.4	6.5	7.7	9.1	
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.6	15.2	13.6	11.9	10.1	
LOAD POINT	158.2	174.9	191.6	208.4	225.1	241.8	258.5	275.2	291.9	308.6	
EMISSION RATE	146.9	129.5	105.3	86.6	79.1	85.9	112.6	164.4	215.8	188.4	
THROTTLE	10.7	12.5	14.7	17.2	20.1	23.5	28.0	35.3	50.2	75.0	
MANIFOLD	8.4	6.8	5.4	4.2	3.2	2.4	1.8	1.2	0.7	0.0	
SPEED POINT	1000.0										
LOAD POINT	-11.5	28.3	43.9	59.6	75.2	90.9	106.6	122.2	137.9	153.5	
EMISSION RATE	0.5	7.5	47.7	35.2	20.0	19.1	33.2	80.6	190.4	280.8	
THROTTLE	3.7	3.7	3.4	3.5	3.9	4.6	5.7	7.1	8.7	10.5	
MANIFOLD	19.5	19.5	18.9	18.4	17.6	16.6	15.4	14.0	12.3	10.6	
LOAD POINT	169.2	184.9	200.5	216.2	231.8	247.5	263.2	278.8	294.5	310.1	
EMISSION RATE	280.8	237.3	124.1	64.2	42.7	44.0	71.3	149.6	262.9	202.9	
THROTTLE	12.3	14.1	15.8	17.6	19.9	23.2	28.7	38.1	55.1	79.0	
MANIFOLD	8.8	7.2	5.7	4.3	3.3	2.5	1.9	1.4	0.7	0.0	
SPEED POINT	1600.0										
LOAD POINT	-31.3	8.1	26.3	44.4	62.6	80.7	98.9	117.0	135.2	153.3	
EMISSION RATE	0.5	5.1	11.7	22.0	38.7	66.9	111.6	171.6	230.0	232.5	
THROTTLE	6.5	6.5	7.3	8.6	10.2	11.8	13.2	14.5	15.8	17.3	
MANIFOLD	19.6	19.6	17.7	16.4	15.2	14.3	13.3	12.2	11.1	9.9	
LOAD POINT	171.5	189.6	207.8	225.9	244.1	262.2	280.4	298.5	316.7	334.8	
EMISSION RATE	232.5	192.7	141.1	104.2	86.3	87.2	110.0	157.7	194.9	120.9	
THROTTLE	19.2	21.6	24.5	27.8	31.2	34.4	37.7	42.5	53.0	79.0	
MANIFOLD	8.6	7.3	6.0	4.8	3.8	2.8	2.0	1.4	0.7	0.0	
SPEED POINT	1800.0										
LOAD POINT	-37.9	3.0	21.6	40.2	58.8	77.4	96.0	114.5	133.1	151.7	
EMISSION RATE	0.5	2.4	15.0	30.9	48.5	78.7	133.5	211.5	278.5	286.6	
THROTTLE	8.1	8.1	8.8	9.8	10.9	11.9	12.8	13.7	14.9	16.3	

MANIFOLD	19.7	19.7	18.2	16.9	15.8	14.7	13.5	12.3	10.9	9.6
LOAD POINT	170.3	188.9	207.5	226.1	244.7	263.2	281.8	300.4	319.0	337.6
EMISSION RATE	235.2	168.8	121.2	99.7	102.7	133.4	197.6	272.4	266.3	143.0
THROTTLE	18.1	20.5	23.2	26.2	29.2	32.1	35.4	40.7	52.6	79.0
MANIFOLD	8.2	6.8	5.6	4.4	3.5	2.7	2.0	1.5	1.0	0.3
SPEED POINT	2200.0									
LOAD POINT	-51.1	1.5	19.4	37.4	55.3	73.2	91.1	109.1	127.0	144.9
EMISSION RATE	0.5	8.3	26.2	42.4	64.9	105.7	164.6	212.4	210.1	163.1
THROTTLE	9.6	9.6	9.9	11.1	12.7	14.4	16.0	17.5	19.0	20.7
MANIFOLD	19.5	19.5	18.0	16.8	15.7	14.7	13.6	12.4	11.0	9.6
LOAD POINT	162.9	180.8	198.7	216.6	234.6	252.5	270.4	288.3	306.3	324.2
EMISSION RATE	111.3	78.5	66.4	73.3	103.1	161.0	228.0	249.7	229.8	330.1
THROTTLE	22.8	25.2	28.1	31.1	33.9	36.4	39.1	43.3	53.4	79.0
MANIFOLD	8.1	6.7	5.4	4.3	3.4	2.8	2.3	1.9	1.5	0.6
SPEED POINT	2600.0									
LOAD POINT	-64.2	8.0	24.7	41.4	58.1	74.8	91.5	108.2	124.9	141.6
EMISSION RATE	0.5	11.6	16.2	32.8	59.6	82.2	86.9	77.3	64.6	55.6
THROTTLE	9.2	9.2	10.9	13.1	15.3	17.1	18.4	19.5	20.7	22.3
MANIFOLD	19.8	19.8	18.3	17.0	16.0	14.8	13.6	12.1	10.5	8.9
LOAD POINT	158.3	175.0	191.7	208.4	225.1	241.8	258.5	275.3	292.0	308.7
EMISSION RATE	52.2	54.5	62.7	77.7	101.3	136.8	189.8	265.3	349.6	363.3
THROTTLE	24.5	27.4	30.5	33.3	35.1	35.5	35.3	36.6	44.8	79.0
MANIFOLD	7.3	5.9	4.7	3.9	3.4	3.3	3.3	3.2	2.8	1.4
SPEED POINT	3000.0									
LOAD POINT	-77.4	4.9	20.6	36.3	52.1	67.8	83.6	99.3	115.1	130.8
EMISSION RATE	0.5	13.3	24.0	35.8	49.6	63.9	74.1	76.0	70.6	62.8
THROTTLE	10.0	10.0	13.2	15.2	16.4	17.4	18.9	21.1	24.1	27.8
MANIFOLD	18.9	18.9	18.0	16.8	15.5	14.2	12.8	11.4	10.1	9.0
LOAD POINT	146.6	162.3	178.1	193.8	209.6	225.3	241.1	256.8	272.6	288.3
EMISSION RATE	57.9	59.6	71.9	101.0	155.6	235.4	310.3	334.6	326.8	431.6
THROTTLE	31.8	35.5	37.9	38.7	38.0	36.7	36.2	38.9	49.5	79.0
MANIFOLD	8.1	7.3	6.7	6.3	6.0	5.7	5.3	4.7	3.5	2.0
SPEED POINT	3500.0									
LOAD POINT	-93.9	8.1	21.7	35.3	48.9	62.5	76.2	89.8	103.4	117.0
EMISSION RATE	0.5	14.4	23.7	33.6	40.5	45.2	51.4	63.6	86.1	122.1
THROTTLE	17.0	17.0	18.4	19.6	20.5	21.6	22.9	24.6	26.6	28.8
MANIFOLD	17.5	17.5	16.9	15.8	14.6	13.3	12.2	11.2	10.5	9.9
LOAD POINT	130.6	144.2	157.8	171.5	185.1	198.7	212.3	225.9	239.5	253.1
EMISSION RATE	168.8	211.6	230.7	220.9	199.4	190.8	218.7	313.6	456.0	456.0
THROTTLE	31.1	33.3	35.3	37.2	39.1	41.3	44.7	50.4	60.5	79.0
MANIFOLD	9.5	9.1	8.6	8.1	7.3	6.4	5.4	4.2	3.2	2.5

B.4 1975 FORD 140 CID (2.3 LITER), 2 BBL

*ENGINE	F5FJN6	RPM	TORQUE				LB/HR			
1975 FCRD	ENGINE	FUEL	MAP							
DATA 2 BBL	3.781	3.126	4.	750.	4800.	.0600	.7126			
SPEED POINT	750.0									
LOAD POINT	0.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
FUEL RATE	2.6	2.6	2.6	2.7	2.8	2.8	2.9	3.0	3.0	3.1
THROTTLE	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6
MANIFOLD	15.9	15.9	15.6	15.2	14.9	14.5	14.1	13.7	13.3	12.9
LOAD POINT	19.3	21.3	23.3	25.3	27.4	29.4	31.4	33.4	35.5	37.5
FUEL RATE	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.7
THROTTLE	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5
MANIFOLD	12.5	12.1	11.6	11.2	10.7	10.2	9.7	9.2	8.7	8.2
SPEED POINT	850.0									
LOAD POINT	-1.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
FUEL RATE	2.6	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3
THROTTLE	0.5	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6	1.8
MANIFOLD	85.5	85.5	74.3	63.9	54.3	45.5	37.6	30.4	24.1	18.7
LOAD POINT	19.2	21.2	23.3	25.3	27.3	29.3	31.3	33.4	35.4	37.4
FUEL RATE	3.4	3.5	3.6	3.6	3.7	3.8	3.9	4.0	4.1	4.2
THROTTLE	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	4.0
MANIFOLD	14.0	10.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.9
SPEED POINT	1000.0									
LOAD POINT	-2.6	3.0	7.3	11.6	15.9	20.2	24.5	28.8	33.1	37.4
FUEL RATE	2.6	3.1	3.1	3.2	3.4	3.7	4.0	4.3	4.5	4.6
THROTTLE	2.0	2.0	2.1	2.3	2.5	2.8	3.0	3.2	3.5	4.0
MANIFOLD	17.0	17.0	16.5	15.9	15.3	14.6	13.7	12.7	11.7	10.8
LOAD POINT	41.7	46.0	50.3	54.5	58.8	63.1	67.4	71.7	76.0	80.3
FUEL RATE	4.7	4.8	4.9	5.1	5.4	5.9	6.8	8.0	9.9	12.5
THROTTLE	4.7	5.5	6.3	6.8	6.8	6.4	6.3	7.4	13.9	66.5
MANIFOLD	10.1	9.4	9.0	8.8	8.7	8.5	8.0	6.8	4.6	0.7
SPEED POINT	1500.0									
LOAD POINT	-7.8	3.0	8.1	13.3	18.4	23.5	28.6	33.7	38.8	43.9
FUEL RATE	2.6	4.2	4.1	4.3	4.6	4.9	5.4	5.8	6.2	6.6
THROTTLE	3.8	3.8	3.0	3.0	3.6	4.5	5.5	6.3	6.9	7.5
MANIFOLD	18.0	18.0	17.7	17.3	16.7	16.1	15.3	14.4	13.5	12.4
LOAD POINT	49.0	54.1	59.2	64.4	69.5	74.6	79.7	84.8	89.9	95.0
FUEL RATE	7.0	7.4	7.8	8.3	8.9	9.7	10.7	12.2	14.0	16.5
THROTTLE	8.2	9.1	10.3	11.7	13.2	14.6	16.1	19.1	28.1	67.0
MANIFOLD	11.3	10.1	8.8	7.4	6.1	4.7	3.4	2.2	1.2	0.5
SPEED POINT	2000.0									
LOAD POINT	-12.9	4.0	9.4	14.8	20.3	25.7	31.1	36.5	41.9	47.4
FUEL RATE	2.6	4.8	4.9	5.3	5.8	6.3	7.0	7.6	8.3	8.9
THROTTLE	5.4	5.4	5.9	6.8	7.8	8.6	9.2	9.9	10.7	12.0
MANIFOLD	19.0	19.0	18.8	18.2	17.4	16.2	14.9	13.4	11.8	10.2
LOAD POINT	52.8	58.2	63.6	69.0	74.4	79.9	85.3	90.7	96.1	101.5
FUEL RATE	9.5	10.1	10.7	11.4	12.2	13.3	14.6	16.2	18.3	21.0
THROTTLE	13.8	16.2	19.0	21.5	23.2	23.6	23.3	24.4	31.8	67.0
MANIFOLD	8.6	7.1	5.8	4.7	3.8	3.1	2.6	2.0	1.4	0.5
SPEED POINT	2600.0									
LOAD POINT	-19.1	4.5	9.8	15.2	20.5	25.8	31.1	36.5	41.8	47.1
FUEL RATE	2.6	6.4	6.3	6.7	7.4	8.3	9.3	10.3	11.3	12.1
THROTTLE	7.5	7.5	8.2	9.0	9.8	10.7	11.8	13.0	14.5	16.5
MANIFOLD	18.7	18.7	18.7	18.0	16.8	15.4	13.7	12.1	10.4	8.9
LOAD POINT	52.4	57.7	63.1	68.4	73.7	79.0	84.3	89.7	95.0	100.3
FUEL RATE	12.9	13.7	14.4	15.2	16.1	17.3	18.9	21.0	23.9	27.8
THROTTLE	19.0	21.7	24.4	26.6	27.9	28.4	28.8	31.0	39.4	69.7
MANIFOLD	7.5	6.3	5.3	4.5	3.8	3.3	2.8	2.2	1.5	0.5
SPEED POINT	3000.0									
LOAD POINT	-23.3	5.0	10.4	15.8	21.2	26.6	32.0	37.4	42.8	48.2
FUEL RATE	2.6	7.5	7.9	8.7	9.7	10.8	11.9	12.9	13.9	14.7
THROTTLE	8.5	8.5	9.9	10.9	11.7	12.6	14.0	15.7	17.8	20.2

MANIFOLD	18.5	18.5	18.0	16.9	15.5	14.0	12.3	10.8	9.3	8.0
LOAD POINT	53.6	59.0	64.4	69.8	75.2	80.6	86.0	91.4	96.8	102.2
FUEL RATE	15.4	16.1	16.8	17.6	18.6	20.0	22.0	24.8	28.5	33.5
THRCTLLE	22.6	24.9	26.7	28.1	29.3	30.7	33.3	38.3	48.4	70.0
MANIFOLD	6.9	6.0	5.2	4.6	4.1	3.7	3.1	2.5	1.6	0.5
SPEED POINT	3500.0									
LOAD PCINT	-28.4	5.0	10.3	15.5	20.8	26.0	31.3	36.5	41.8	47.0
FUEL RATE	2.6	8.7	9.3	10.2	11.3	12.5	13.7	14.8	15.9	16.9
THROTTLE	10.5	10.5	10.8	11.9	13.6	15.5	17.5	19.3	21.0	22.7
MANIFOLD	18.0	18.0	17.7	16.5	15.0	13.3	11.7	10.2	9.0	8.0
LOAD POINT	52.2	57.5	62.7	68.0	73.2	78.5	83.7	89.0	94.2	99.5
FUEL RATE	17.8	18.6	19.6	20.6	22.0	23.7	26.0	29.1	33.1	37.8
THRCTLLE	24.4	26.3	28.4	30.7	33.3	36.2	39.7	44.6	52.8	69.0
MANIFOLD	7.2	6.6	6.0	5.5	4.8	4.1	3.3	2.3	1.4	0.6
SPEED POINT	4000.0									
LOAD POINT	-33.6	7.1	12.3	17.4	22.6	27.7	32.9	38.0	43.2	48.4
FUEL RATE	2.6	11.2	12.0	13.0	14.2	15.3	16.5	17.7	18.9	20.0
THROTTLE	12.0	12.0	12.9	14.8	17.0	19.3	21.3	23.1	24.8	26.7
MANIFOLD	16.4	16.4	15.4	14.2	13.0	11.8	10.6	9.5	8.5	7.5
LOAD POINT	53.5	58.7	63.8	69.0	74.1	79.3	84.5	89.6	94.8	99.9
FUEL RATE	21.1	22.3	23.6	25.0	26.8	28.8	31.4	34.5	38.5	43.4
THROTTLE	28.9	31.6	34.8	38.0	41.1	43.7	45.7	48.3	54.2	70.0
MANIFOLD	0.7	5.8	5.1	4.4	3.6	3.0	2.3	1.6	1.0	0.5
SPEED POINT	4800.0									
LOAD POINT	-41.9	7.6	12.5	17.4	22.4	27.3	32.2	37.1	42.0	46.9
FUEL RATE	2.6	15.7	17.6	19.1	20.1	20.8	21.5	22.3	23.3	24.7
THROTTLE	18.0	18.0	20.7	22.4	23.5	24.7	26.3	28.3	30.9	33.8
MANIFOLD	14.1	14.1	13.0	12.1	11.3	10.5	9.6	8.7	7.8	6.9
LOAD PCINT	51.8	56.7	61.6	66.5	71.4	76.3	81.2	86.1	91.0	95.9
FUEL RATE	26.5	28.7	31.2	34.1	37.3	40.5	43.6	46.5	48.8	49.7
THROTTLE	37.0	40.2	43.3	46.2	49.1	52.2	55.6	59.5	63.8	67.5
MANIFOLD	6.0	5.1	4.4	3.7	3.1	2.6	2.2	1.8	1.3	0.5
*ENGINE		C5FJN6		RPM		TORQUE		G/HR(*.1)		
1975 FORD	140.0	ENGINE	CO MAP							
DATA	3.781	3.126	4.	750.	4800.	.0600	.7126			
SPEED POINT	750.0									
LOAD POINT	0.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
EMISSION RATE	23.6	23.6	28.0	32.9	36.7	40.0	42.7	44.8	46.4	47.5
THROTTLE	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6
MANIFOLD	15.9	15.9	15.6	15.2	14.9	14.5	14.1	13.7	13.3	12.9
LOAD POINT	19.3	21.3	23.3	25.3	27.4	29.4	31.4	33.4	35.5	37.5
EMISSION RATE	47.9	47.8	47.2	46.0	44.2	41.9	39.1	35.6	31.7	27.1
THROTTLE	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5
MANIFOLD	12.5	12.1	11.6	11.2	10.7	10.2	9.7	9.2	8.7	8.2
SPEED POINT	850.0									
LOAD POINT	-1.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
EMISSION RATE	23.6	20.4	19.7	19.1	18.7	18.4	18.2	18.2	18.3	18.6
THRCTLLE	0.5	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6	1.8
MANIFOLD	85.5	85.5	74.3	63.9	54.3	45.5	37.6	30.4	24.1	18.7
LOAD POINT	19.2	21.2	23.3	25.3	27.3	29.3	31.3	33.4	35.4	37.4
EMISSION RATE	19.1	19.7	20.4	21.3	22.3	23.5	24.8	26.3	27.9	29.7
THROTTLE	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	4.0
MANIFOLD	14.0	10.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.9
SPEED POINT	1000.0									
LOAD PCINT	-2.6	3.0	7.3	11.6	15.9	20.2	24.5	28.8	33.1	37.4
EMISSION RATE	23.6	18.7	21.3	23.1	24.3	25.4	26.4	27.2	27.6	27.4
THRCTLLE	2.0	2.0	2.1	2.3	2.5	2.8	3.0	3.2	3.5	4.0
MANIFOLD	17.0	17.0	16.5	15.9	15.3	14.6	13.7	12.7	11.7	10.8
LOAD PCINT	41.7	46.0	50.3	54.5	58.8	63.1	67.4	71.7	76.0	80.3
EMISSION RATE	26.4	24.8	23.0	21.4	20.8	22.4	28.7	48.9	126.0	563.6
THROTTLE	4.7	5.5	6.3	6.8	6.8	6.4	6.3	7.4	13.9	66.5

MANIFOLD	10.1	9.4	9.0	8.8	8.7	8.5	8.0	6.8	4.6	0.7
SPEED POINT 1500.D										
LOAD POINT	-7.8	3.0	8.1	13.3	18.4	23.5	28.6	33.7	38.8	43.9
EMISSION RATE	23.6	10.6	8.2	10.6	16.1	22.1	24.4	20.8	14.3	8.7
THROTTLE	3.8	3.8	3.0	3.0	3.6	4.5	5.5	6.3	6.9	7.5
MANIFOLD	18.0	18.0	17.7	17.3	16.7	16.1	15.3	14.4	13.5	12.4
LOAD POINT	49.0	54.1	59.2	64.4	69.5	74.6	79.7	84.8	89.9	95.0
EMISSION RATE	5.2	3.5	3.5	3.8	6.9	18.1	60.8	209.6	503.7	503.7
THROTTLE	8.2	9.1	10.3	11.7	13.2	14.6	16.1	19.1	28.1	67.0
MANIFOLD	11.3	10.1	8.8	7.4	6.1	4.7	3.4	2.2	1.2	0.5
SPEED POINT 2000.D										
LOAD POINT	-12.9	4.0	9.4	14.8	20.3	25.7	31.1	36.5	41.9	47.4
EMISSION RATE	23.6	11.9	9.2	8.8	8.8	8.8	8.2	7.2	6.1	5.4
THROTTLE	5.4	5.4	5.9	6.8	7.8	8.6	9.2	9.9	10.7	12.0
MANIFOLD	19.0	19.0	18.8	18.2	17.4	16.2	14.9	13.4	11.8	10.2
LOAD POINT	52.8	58.2	63.6	69.0	74.4	79.9	85.3	90.7	96.1	101.5
EMISSION RATE	5.4	5.4	5.4	7.0	11.5	22.1	47.3	100.8	182.8	206.9
THROTTLE	13.8	16.2	19.0	21.5	23.2	23.6	23.3	24.4	31.8	67.0
MANIFOLD	8.6	7.1	5.8	4.7	3.8	3.1	2.6	2.0	1.4	0.5
SPEED POINT 2600.D										
LOAD POINT	-19.1	4.5	9.8	15.2	20.5	25.8	31.1	36.5	41.8	47.1
EMISSION RATE	23.6	8.9	13.3	12.6	10.0	8.1	7.4	7.6	9.1	11.5
THROTTLE	7.5	7.5	8.2	9.0	9.8	10.7	11.8	13.0	14.5	16.5
MANIFOLD	18.7	18.7	18.7	18.0	16.8	15.4	13.7	12.1	10.4	8.9
LOAD POINT	52.4	57.7	63.1	68.4	73.7	79.0	84.3	89.7	95.0	100.3
EMISSION RATE	14.7	17.4	18.0	16.0	12.5	9.5	8.4	11.4	35.6	436.9
THROTTLE	19.0	21.7	24.4	26.6	27.9	28.4	28.8	31.0	39.4	69.7
MANIFOLD	7.5	6.3	5.3	4.5	3.8	3.3	2.8	2.2	1.5	0.5
SPEED POINT 3000.D										
LOAD POINT	-23.3	5.0	10.4	15.8	21.2	26.6	32.0	37.4	42.8	48.2
EMISSION RATE	23.6	10.6	9.3	9.3	9.8	11.6	13.1	13.7	13.5	12.8
THROTTLE	8.5	8.5	9.9	10.9	11.7	12.6	14.0	15.7	17.8	20.2
MANIFOLD	18.5	18.5	18.0	16.9	15.5	14.0	12.3	10.8	9.3	8.0
LOAD POINT	53.6	59.0	64.4	69.8	75.2	80.6	86.0	91.4	96.8	102.2
EMISSION RATE	12.4	12.9	15.2	21.0	35.0	69.7	159.8	386.6	859.1	1338.0
THROTTLE	22.6	24.9	26.7	28.1	29.3	30.7	33.3	38.3	48.4	70.0
MANIFOLD	6.9	6.0	5.2	4.6	4.1	3.7	3.1	2.5	1.6	0.5
SPEED POINT 3500.D										
LOAD POINT	-28.4	5.0	10.3	15.5	20.8	26.0	31.3	36.5	41.8	47.0
EMISSION RATE	23.6	9.5	8.5	8.5	10.5	14.3	17.9	19.7	19.3	17.5
THROTTLE	10.5	10.5	10.8	11.9	13.6	15.5	17.5	19.3	21.0	22.7
MANIFOLD	18.0	18.0	17.7	16.5	15.0	13.3	11.7	10.2	9.0	8.0
LOAD POINT	52.2	57.5	62.7	68.0	73.2	78.5	83.7	89.0	94.2	99.5
EMISSION RATE	15.7	15.0	16.6	22.3	38.0	80.9	202.8	529.1	1172.3	1474.0
THROTTLE	24.4	26.3	28.4	30.7	33.3	36.2	39.7	44.6	52.8	69.0
MANIFOLD	7.2	6.6	6.0	5.5	4.8	4.1	3.3	2.3	1.4	0.6
SPEED POINT 4000.D										
LOAD POINT	-33.6	7.1	12.3	17.4	22.6	27.7	32.9	38.0	43.2	48.4
EMISSION RATE	23.6	10.7	11.7	13.5	15.5	17.0	17.5	17.2	16.6	16.1
THROTTLE	12.0	12.0	12.9	14.8	17.0	19.3	21.3	23.1	24.8	26.7
MANIFOLD	16.4	16.4	15.4	14.2	13.0	11.8	10.6	9.5	8.5	7.5
LOAD POINT	53.5	58.7	63.8	69.0	74.1	79.3	84.5	89.6	94.8	99.9
EMISSION RATE	16.6	18.7	23.8	35.3	61.0	120.6	261.3	573.0	130.9	1679.0
THROTTLE	28.9	31.6	34.8	38.0	41.1	43.7	45.7	48.3	54.2	70.0
MANIFOLD	6.7	5.8	5.1	4.4	3.6	3.0	2.3	1.6	1.0	0.5
SPEED POINT 4800.D										
LOAD POINT	-41.9	7.6	12.5	17.4	22.4	27.3	32.2	37.1	42.0	46.9
EMISSION RATE	23.6	9.2	9.2	9.1	8.6	7.7	7.1	7.1	7.1	7.1
THROTTLE	18.0	18.0	20.7	22.4	23.5	24.7	26.3	28.3	30.9	33.8
MANIFOLD	14.1	14.1	13.0	12.1	11.3	10.5	9.6	8.7	7.8	6.9
LOAD POINT	51.8	56.7	61.6	66.5	71.4	76.3	81.2	86.1	91.0	95.9

EMISSION RATE	7.8	12.1	23.1	53.9	147.0	427.21	1153.41	1774.01	774.01	1479.0
THROTTLE	37.0	40.2	43.3	46.2	49.1	52.2	55.6	59.5	63.8	67.5
MANIFOLD	6.0	5.1	4.4	3.7	3.1	2.6	2.2	1.8	1.3	0.5
*ENGINE	H5FJN6		RPM		TORQUE		G/HR			
1975 FORD	140.0	ENGINE	HC	MAP						
DATA	3.781	3.126	4.	750.	4800.	.0600	.7126			
SPEED POINT	750.0									
LOAD POINT	0.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
EMISSION RATE	8.8	8.8	9.2	9.6	10.1	10.5	11.0	11.5	12.1	12.6
THROTTLE	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6
MANIFOLD	15.9	15.9	15.6	15.2	14.9	14.5	14.1	13.7	13.3	12.9
LOAD POINT	19.3	21.3	23.3	25.3	27.4	29.4	31.4	33.4	35.5	37.5
EMISSION RATE	13.2	13.8	14.4	15.1	15.7	16.4	17.1	17.9	18.6	19.4
THROTTLE	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5
MANIFOLD	12.5	12.1	11.6	11.2	10.7	10.2	9.7	9.2	8.7	8.2
SPEED POINT	850.0									
LOAD POINT	-1.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
EMISSION RATE	8.8	7.3	8.4	9.3	10.2	11.1	11.8	12.5	13.2	13.7
THROTTLE	0.5	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6	1.8
MANIFOLD	85.5	85.5	74.3	63.9	54.3	45.5	37.6	30.4	24.1	18.7
LOAD POINT	19.2	21.2	23.3	25.3	27.3	29.3	31.3	33.4	35.4	37.4
EMISSION RATE	14.3	14.7	15.1	15.4	15.6	15.8	15.9	16.0	15.9	15.8
THROTTLE	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	4.0
MANIFOLD	14.0	10.1	8.1	8.1	8.1	8.1	6.1	8.1	8.1	8.9
SPEED POINT	1000.0									
LOAD POINT	-2.6	3.0	7.3	11.6	15.9	20.2	24.5	28.8	33.1	37.4
EMISSION RATE	8.8	6.3	6.1	6.4	8.5	11.7	15.7	19.9	23.3	25.1
THROTTLE	2.0	2.0	2.1	2.3	2.5	2.8	3.0	3.2	3.5	4.0
MANIFOLD	17.0	17.0	16.5	15.9	15.3	14.6	13.7	12.7	11.7	10.8
LOAD POINT	41.7	46.0	50.3	54.5	58.8	63.1	67.4	71.7	76.0	80.3
EMISSION RATE	25.2	24.1	22.6	21.4	21.3	22.9	27.0	35.5	52.0	81.4
THROTTLE	4.7	5.5	6.3	6.8	6.8	6.4	6.3	7.4	13.9	66.5
MANIFOLD	10.1	9.4	9.0	8.8	8.7	8.5	8.0	6.8	4.6	0.7
SPEED POINT	1500.0									
LOAD POINT	-7.8	3.0	8.1	13.3	18.4	23.5	28.6	33.7	38.8	43.9
EMISSION RATE	8.8	5.6	5.2	6.3	9.3	14.3	20.9	27.7	32.8	35.0
THROTTLE	3.8	3.8	3.0	3.0	3.6	4.5	5.5	6.3	6.9	7.5
MANIFOLD	18.0	18.0	17.7	17.3	16.7	16.1	15.3	14.4	13.5	12.4
LOAD POINT	49.0	54.1	59.2	64.4	69.5	74.6	79.7	84.8	89.9	95.0
EMISSION RATE	34.4	32.3	30.1	28.8	29.0	31.0	34.6	38.7	39.9	33.6
THROTTLE	8.2	9.1	10.3	11.7	13.2	14.6	16.1	19.1	28.1	67.0
MANIFOLD	11.3	10.1	8.8	7.4	6.1	4.7	3.4	2.2	1.2	0.5
SPEED POINT	2000.0									
LOAD POINT	-12.9	4.0	9.4	14.8	20.3	25.7	31.1	36.5	41.9	47.4
EMISSION RATE	8.8	7.8	8.1	9.6	14.1	21.8	30.5	35.5	35.5	33.6
THROTTLE	5.4	5.4	5.9	6.8	7.8	8.6	9.2	9.9	10.7	12.0
MANIFOLD	19.0	19.0	18.8	18.2	17.4	16.2	14.9	13.4	11.8	10.2
LOAD POINT	52.8	58.2	63.6	69.0	74.4	79.9	85.3	90.7	96.1	101.5
EMISSION RATE	34.2	40.6	54.9	63.7	63.7	39.5	10.5	2.8	2.8	4.6
THROTTLE	13.8	16.2	19.0	21.5	23.2	23.6	23.3	24.4	31.8	67.0
MANIFOLD	8.6	7.1	5.8	4.7	3.8	3.1	2.6	2.0	1.4	0.5
SPEED POINT	2600.0									
LOAD POINT	-19.1	4.5	9.8	15.2	20.5	25.8	31.1	36.5	41.8	47.1
EMISSION RATE	8.8	7.0	12.0	13.8	13.7	14.1	16.3	21.3	30.3	43.7
THROTTLE	7.5	7.5	8.2	9.0	9.8	10.7	11.8	13.0	14.5	16.5
MANIFOLD	18.7	18.7	18.7	18.0	16.8	15.4	13.7	12.1	10.4	8.9
LOAD POINT	52.4	57.7	63.1	68.4	73.7	79.0	84.3	89.7	95.0	100.3
EMISSION RATE	48.5	48.5	48.5	37.9	19.3	8.3	3.5	2.0	2.3	9.0
THROTTLE	19.0	21.7	24.4	26.6	27.9	28.4	28.8	31.0	39.4	69.7
MANIFOLD	7.5	6.3	5.3	4.5	3.8	3.3	2.8	2.2	1.5	0.5
SPEED POINT	3000.0									

LCAD PCINT	-23.3	5.0	10.4	15.8	21.2	26.6	32.0	37.4	42.8	48.2
EMISSION RATE	8.8	7.4	8.7	11.1	14.4	18.1	21.7	24.5	26.2	26.8
THROTTLE	8.5	8.5	9.9	10.9	11.7	12.6	14.0	15.7	17.8	20.2
MANIFOLD	18.5	18.5	18.0	16.9	15.5	14.0	12.3	10.8	9.3	8.0
LOAD POINT	53.6	59.0	64.4	69.8	75.2	80.6	86.0	91.4	96.8	102.2
EMISSION RATE	26.8	26.7	27.2	29.2	33.6	42.1	57.8	86.7	139.0	216.2
THROTTLE	22.6	24.9	26.7	28.1	29.3	30.7	33.3	38.3	48.4	70.0
MANIFCLD	6.9	6.0	5.2	4.6	4.1	3.7	3.1	2.5	1.6	0.5
SPEED POINT 3500.0										
LCAD POINT	-28.4	5.0	10.3	15.5	20.8	26.0	31.3	36.5	41.8	47.0
EMISSION RATE	8.8	6.1	6.2	7.0	8.0	9.0	10.0	10.7	11.1	11.5
THROTTLE	10.5	10.5	10.8	11.9	13.6	15.5	17.5	19.3	21.0	22.7
MANIFOLD	18.0	18.0	17.7	16.5	15.0	13.3	11.7	10.2	9.0	8.0
LOAD POINT	52.2	57.5	62.7	68.0	73.2	78.5	83.7	89.0	94.2	99.5
EMISSION RATE	11.9	12.7	14.4	17.4	22.8	32.6	50.4	82.3	136.1	195.4
THROTTLE	24.4	26.3	28.4	30.7	33.3	36.2	39.7	44.6	52.8	69.0
MANIFCLD	7.2	6.6	6.0	5.5	4.8	4.1	3.3	2.3	1.4	0.6
SPEED POINT 4000.0										
LOAD POINT	-33.6	7.1	12.3	17.4	22.6	27.7	32.9	38.0	43.2	48.4
EMISSION RATE	8.8	7.2	7.4	8.3	9.5	10.3	10.5	9.9	9.0	7.9
THROTTLE	12.0	12.0	12.9	14.8	17.0	19.3	21.3	23.1	24.8	26.7
MANIFOLD	16.4	16.4	15.4	14.2	13.0	11.8	10.6	9.5	8.5	7.5
LOAD POINT	53.5	58.7	63.8	69.0	74.1	79.3	84.5	89.6	94.8	99.9
EMISSION RATE	7.1	6.7	6.9	8.1	11.1	17.6	32.1	64.8	134.6	218.6
THROTTLE	28.9	31.6	34.8	38.0	41.1	43.7	45.7	48.3	54.2	70.0
MANIFOLD	6.7	5.8	5.1	4.4	3.6	3.0	2.3	1.6	1.0	0.5
SPEED POINT 4800.0										
LOAD POINT	-41.9	7.6	12.5	17.4	22.4	27.3	32.2	37.1	42.0	46.9
EMISSION RATE	8.8	2.4	2.0	1.8	1.6	1.6	1.6	1.7	2.1	2.8
THROTTLE	18.0	18.0	20.7	22.4	23.5	24.7	26.3	28.3	30.9	33.8
MANIFCLD	14.1	14.1	13.0	12.1	11.3	10.5	9.6	8.7	7.8	6.9
LCAD PCINT	51.8	56.7	61.6	66.5	71.4	76.3	81.2	86.1	91.0	95.9
EMISSION RATE	4.3	7.2	13.4	26.9	56.2	114.8	213.2	289.5	289.5	259.6
THROTTLE	37.0	40.2	43.3	46.2	49.1	52.2	55.6	59.5	63.8	67.5
MANIFOLD	6.0	5.1	4.4	3.7	3.1	2.6	2.2	1.8	1.3	0.5
*ENGINE		N5FJN6		RPM		TORQUE		G/HR		
1975 FORD DATA	140.0	ENGINE	NOX	MAP						
	3.781	3.126	4.	750.	4800.	.0600	.7126			
SPEED POINT 750.0										
LOAD POINT	0.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
EMISSION RATE	7.3	7.3	8.1	8.7	9.3	9.8	10.2	10.5	10.8	10.9
THROTTLE	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6
MANIFOLD	15.9	15.9	15.6	15.2	14.9	14.5	14.1	13.7	13.3	12.9
LOAD POINT	19.3	21.3	23.3	25.3	27.4	29.4	31.4	33.4	35.5	37.5
EMISSION RATE	11.0	11.0	10.9	10.8	10.5	10.2	9.8	9.3	8.7	8.1
THROTTLE	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5
MANIFCLD	12.5	12.1	11.6	11.2	10.7	10.2	9.7	9.2	8.7	8.2
SPEED POINT 850.0										
LOAD POINT	-1.0	1.0	3.0	5.1	7.1	9.1	11.1	13.2	15.2	17.2
EMISSION RATE	7.3	1.6	1.4	1.3	1.2	1.2	1.3	1.5	1.7	2.0
THROTTLE	0.5	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6	1.8
MANIFCLD	85.5	85.5	74.3	63.9	54.3	45.5	37.6	30.4	24.1	18.7
LOAD POINT	19.2	21.2	23.3	25.3	27.3	29.3	31.3	33.4	35.4	37.4
EMISSION RATE	2.4	2.8	3.3	3.9	4.6	5.3	6.1	7.0	7.9	8.9
THROTTLE	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	4.0
MANIFOLD	14.0	10.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.9
SPEED POINT 1000.0										
LOAD POINT	-2.6	3.0	7.3	11.6	15.9	20.2	24.5	28.8	33.1	37.4
EMISSION RATE	7.3	1.7	1.6	1.6	2.1	2.9	3.6	4.4	5.8	8.4
THROTTLE	2.0	2.0	2.1	2.3	2.5	2.8	3.0	3.2	3.5	4.0
MANIFCLD	17.0	17.0	16.5	15.9	15.3	14.6	13.7	12.7	11.7	10.8



LOAD POINT	41.7	46.0	50.3	54.5	58.8	63.1	67.4	71.7	76.0	80.3
EMISSION RATE	12.7	19.2	27.7	36.9	46.7	59.3	78.6	100.5	86.2	20.5
THROTTLE	4.7	5.5	6.3	6.8	6.8	6.4	6.3	7.4	13.9	66.5
MANIFOLD	10.1	9.4	9.0	8.8	8.7	8.5	8.0	6.8	4.6	0.7
SPEED POINT 1500.0										
LOAD POINT	-7.8	3.0	8.1	13.3	18.4	23.5	28.6	33.7	38.8	43.9
EMISSION RATE	7.3	3.7	3.9	3.9	5.0	8.1	14.3	23.9	35.7	47.9
THROTTLE	3.8	3.8	3.0	3.0	3.6	4.5	5.5	6.3	6.9	7.5
MANIFOLD	18.0	18.0	17.7	17.3	16.7	16.1	15.3	14.4	13.5	12.4
LOAD POINT	49.0	54.1	59.2	64.4	69.5	74.6	79.7	84.8	89.9	95.0
EMISSION RATE	61.8	82.2	115.3	162.0	198.3	174.2	94.3	33.3	12.9	21.5
THROTTLE	8.2	9.1	10.3	11.7	13.2	14.6	16.1	19.1	28.1	67.0
MANIFOLD	11.3	10.1	8.8	7.4	6.1	4.7	3.4	2.2	1.2	0.5
SPEED POINT 2000.0										
LOAD POINT	-12.9	4.0	9.4	14.8	20.3	25.7	31.1	36.5	41.9	47.4
EMISSION RATE	7.3	6.2	6.0	8.2	16.5	33.2	57.1	78.7	89.0	89.2
THROTTLE	5.4	5.4	5.9	6.8	7.8	8.6	9.2	9.9	10.7	12.0
MANIFOLD	19.0	19.0	18.8	18.2	17.4	16.2	14.9	13.4	11.8	10.2
LOAD POINT	52.8	58.2	63.6	69.0	74.4	79.9	85.3	90.7	96.1	101.5
EMISSION RATE	87.2	90.5	104.0	129.8	162.3	171.7	154.0	98.5	54.3	42.4
THROTTLE	13.8	16.2	19.0	21.5	23.2	23.6	23.3	24.4	31.8	67.0
MANIFOLD	8.6	7.1	5.8	4.7	3.8	3.1	2.6	2.0	1.4	0.5
SPEED POINT 2600.0										
LOAD POINT	-19.1	4.5	9.8	15.2	20.5	25.8	31.1	36.5	41.8	47.1
EMISSION RATE	7.3	13.3	12.5	18.4	35.5	54.4	64.6	65.9	66.4	73.3
THROTTLE	7.5	7.5	8.2	9.0	9.8	10.7	11.8	13.0	14.5	16.5
MANIFOLD	18.7	18.7	18.7	18.0	16.8	15.4	13.7	12.1	10.4	8.9
LOAD POINT	52.4	57.7	63.1	68.4	73.7	79.0	84.3	89.7	95.0	100.3
EMISSION RATE	92.8	131.7	194.9	272.3	326.6	316.4	245.8	161.2	98.0	60.4
THROTTLE	19.0	21.7	24.4	26.6	27.9	28.4	28.8	31.0	39.4	69.7
MANIFOLD	7.5	6.3	5.3	4.5	3.8	3.3	2.8	2.2	1.5	0.5
SPEED POINT 3000.0										
LOAD POINT	-23.3	5.0	10.4	15.8	21.2	26.6	32.0	37.4	42.8	48.2
EMISSION RATE	7.3	19.4	26.0	38.6	51.1	59.3	64.8	72.6	88.7	119.6
THROTTLE	8.5	8.5	9.9	10.9	11.7	12.6	14.0	15.7	17.8	20.2
MANIFOLD	18.5	18.5	18.0	16.9	15.5	14.0	12.3	10.8	9.3	8.0
LOAD POINT	53.6	59.0	64.4	69.8	75.2	80.6	86.0	91.4	96.8	102.2
EMISSION RATE	172.8	251.4	343.5	415.9	422.0	393.6	320.4	239.9	157.6	73.2
THROTTLE	22.6	24.9	26.7	28.1	29.3	30.7	33.3	38.3	48.4	70.0
MANIFOLD	6.9	6.0	5.2	4.6	4.1	3.7	3.1	2.5	1.6	0.5
SPEED POINT 3500.0										
LOAD POINT	-28.4	5.0	10.3	15.5	20.8	26.0	31.3	36.5	41.8	47.0
EMISSION RATE	7.3	26.8	47.9	47.4	47.0	55.3	73.7	101.7	136.0	175.8
THROTTLE	10.5	10.5	10.8	11.9	13.6	15.5	17.5	19.3	21.0	22.7
MANIFOLD	18.0	18.0	17.7	16.5	15.0	13.3	11.7	10.2	9.0	8.0
LOAD POINT	52.2	57.5	62.7	68.0	73.2	78.5	83.7	89.0	94.2	99.5
EMISSION RATE	227.4	305.5	423.7	502.9	502.9	431.6	186.6	57.0	26.8	92.7
THROTTLE	24.4	26.3	28.4	30.7	33.3	36.2	39.7	44.6	52.8	69.0
MANIFOLD	7.2	6.6	6.0	5.5	4.8	4.1	3.3	2.3	1.4	0.6
SPEED POINT 4000.0										
LOAD POINT	-33.6	7.1	12.3	17.4	22.6	27.7	32.9	38.0	43.2	48.4
EMISSION RATE	7.3	32.9	30.5	46.4	72.6	101.5	129.6	161.7	208.4	280.8
THROTTLE	12.0	12.0	12.9	14.8	17.0	19.3	21.3	23.1	24.8	26.7
MANIFOLD	16.4	16.4	15.4	14.2	13.0	11.8	10.6	9.5	8.5	7.5
LOAD POINT	53.5	58.7	63.8	69.0	74.1	79.3	84.5	89.6	94.8	99.9
EMISSION RATE	384.3	506.6	611.8	650.3	650.3	622.4	596.1	552.7	384.1	103.1
THROTTLE	28.9	31.6	34.8	38.0	41.1	43.7	45.7	48.3	54.2	70.0
MANIFOLD	6.7	5.8	5.1	4.4	3.6	3.0	2.3	1.6	1.0	0.5
SPEED POINT 4800.0										
LOAD POINT	-41.9	7.6	12.5	17.4	22.4	27.3	32.2	37.1	42.0	46.9
EMISSION RATE	7.3	50.1	71.0	90.6	116.8	156.3	213.9	292.1	389.6	501.7

THROTTLE	18.0	18.0	20.7	22.4	23.5	24.7	26.3	28.3	30.9	33.8
MANIFOLD	14.1	14.1	13.0	12.1	11.3	10.5	9.6	8.7	7.8	6.9
LOAD POINT	51.8	56.7	61.6	66.5	71.4	76.3	81.2	86.1	91.0	95.9
EMISSION RATE	21.5	738.2	804.6	804.6	804.6	685.1	490.2	318.1	220.3	232.2
THROTTLE	37.0	40.2	43.3	46.2	49.1	52.2	55.6	59.5	63.8	67.5
MANIFOLD	6.0	5.1	4.4	3.7	3.1	2.6	2.2	1.8	1.3	0.5

B.5 1975 FORD WINDSOR 351 CID (5.75 LITER), 2 BBL

*ENGINE	F5FDC6	RPM	TORQUE		LB/HR						
1975 FORD	ENGINE	FUEL	MAP	CATALYTIC	CONVERTER						
DATA 2 BBL	351.0	8.	700.	3800.	.1000	.7126					
SPEED POINT	700.0										
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6	
FUEL RATE	4.7	4.7	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	
THRUTTLE	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	
MANIFOLD	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.5	17.5	
LCAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8	
FUEL RATE	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	
THRUTTLE	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	
MANIFOLD	17.4	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.7	
SPEED POINT	750.0										
LOAD POINT	-1.1	1.0	1.7	2.5	3.2	4.0	4.7	5.4	6.2	6.9	
FUEL RATE	4.7	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	
THRUTTLE	0.0	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.9	
MANIFOLD	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
LCAD POINT	7.7	8.4	9.2	9.9	10.7	11.4	12.2	12.9	13.7	14.4	
FUEL RATE	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	
THRUTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.0	
SPEED POINT	800.0										
LOAD POINT	-2.2	1.0	1.7	2.5	3.2	4.0	4.8	5.5	6.3	7.0	
FUEL RATE	4.7	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.8	
THRUTTLE	0.0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.1	
MANIFOLD	18.0	18.0	18.0	18.0	17.9	17.9	17.9	17.9	17.9	17.8	
LOAD POINT	7.8	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.8	14.6	
FUEL RATE	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.1	6.1	
THRUTTLE	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	
MANIFOLD	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5	
SPEED POINT	1200.0										
LOAD POINT	-10.8	3.0	16.3	29.5	42.8	56.1	69.4	82.7	95.9	109.2	
FUEL RATE	4.7	8.2	8.2	8.6	9.5	10.5	11.6	12.7	13.8	14.7	
THRUTTLE	1.5	1.5	1.5	1.6	2.3	3.1	3.6	3.8	3.9	4.2	
MANIFOLD	20.0	20.0	18.8	17.7	16.7	15.7	14.8	13.9	13.0	12.2	
LOAD POINT	122.5	135.8	149.0	162.3	175.6	188.9	202.2	215.4	228.7	242.0	
FUEL RATE	15.4	16.1	16.6	17.2	17.8	18.5	19.7	21.3	23.7	27.0	
THRUTTLE	5.1	6.9	9.8	13.7	17.1	18.0	16.2	14.5	19.0	71.7	
MANIFOLD	11.3	10.5	9.6	8.7	7.7	6.7	5.5	4.2	2.7	1.0	
SPEED POINT	1500.0										
LOAD POINT	-17.3	0.6	14.5	28.4	42.3	56.3	70.2	84.1	98.0	111.9	
FUEL RATE	4.7	9.4	9.2	9.9	11.1	12.7	14.4	16.0	17.5	18.8	
THRUTTLE	5.8	5.8	7.5	9.0	10.1	10.8	11.2	11.6	12.1	13.0	
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.7	15.5	14.3	13.0	11.7	
LOAD POINT	125.8	139.7	153.7	167.6	181.5	195.4	209.3	223.2	237.1	251.0	
FUEL RATE	19.9	20.7	21.4	22.0	22.7	23.6	25.0	27.2	30.4	35.0	
THRUTTLE	14.2	15.9	17.9	20.1	22.4	24.7	27.6	32.6	44.4	80.0	
MANIFOLD	10.5	9.4	8.3	7.4	6.5	5.7	4.8	3.8	2.5	0.7	
SPEED POINT	2000.0										
LOAD POINT	-28.2	3.2	17.5	31.9	46.2	60.6	74.9	89.2	103.6	117.9	
FUEL RATE	4.7	11.8	12.9	14.2	15.6	17.0	18.4	19.9	21.5	23.1	
THRUTTLE	4.5	4.5	5.1	5.7	6.4	7.2	8.2	9.3	10.8	12.7	
MANIFOLD	20.5	20.5	19.0	17.9	17.1	16.4	15.6	14.6	13.5	12.3	
LOAD POINT	132.3	146.6	161.0	175.3	189.6	204.0	218.3	232.7	247.0	261.3	
FUEL RATE	24.8	26.5	28.4	30.5	32.8	35.5	38.4	41.9	45.8	50.4	
THRUTTLE	14.9	17.4	20.0	22.6	24.8	26.9	29.5	34.3	46.0	79.8	
MANIFOLD	11.0	9.7	8.5	7.3	6.3	5.3	4.4	3.4	2.2	0.5	
SPEED POINT	2200.0										
LOAD POINT	-32.5	2.4	17.4	32.4	47.4	62.4	77.3	92.3	107.3	122.3	
FUEL RATE	4.7	12.3	13.4	14.6	15.9	17.4	19.1	20.8	22.8	24.9	
THRUTTLE	7.9	7.9	6.4	5.3	5.0	5.0	5.4	6.5	8.2	10.3	

MANIFOLD	21.5	21.5	20.3	19.1	17.8	16.6	15.4	14.2	13.1	11.9
LOAD POINT	137.3	152.3	167.3	182.2	197.2	212.2	227.2	242.2	257.2	272.1
FUEL RATE	27.1	29.5	32.0	34.7	37.5	40.5	43.6	46.9	50.3	53.9
THROTTLE	13.0	16.3	20.1	24.4	29.3	34.7	40.6	47.1	54.1	61.7
MANIFOLD	10.8	9.6	8.5	7.4	6.3	5.2	4.2	3.1	2.1	1.1
SPEED POINT	2400.0									
LOAD POINT	-36.8	2.8	17.5	32.2	46.9	61.6	76.3	91.1	105.8	120.5
FUEL RATE	4.7	14.6	15.0	16.2	18.0	20.2	22.5	25.0	27.4	29.8
THROTTLE	4.7	4.7	5.5	6.7	8.1	9.6	11.2	12.9	14.6	16.6
MANIFOLD	20.8	20.8	19.6	18.6	17.5	16.4	15.3	14.1	12.9	11.7
LOAD POINT	135.2	149.9	164.6	179.3	194.1	208.8	223.5	238.2	252.9	267.6
FUEL RATE	32.0	34.2	36.3	38.5	40.8	43.5	46.7	50.6	55.5	61.7
THROTTLE	18.8	21.2	23.7	26.2	28.5	30.8	33.6	38.4	49.5	79.8
MANIFOLD	10.5	9.4	8.3	7.3	6.3	5.3	4.4	3.3	2.1	0.6
SPEED POINT	2800.0									
LOAD POINT	-45.5	1.2	15.7	30.1	44.6	59.0	73.5	88.0	102.4	116.9
FUEL RATE	4.7	15.8	16.9	18.7	21.1	23.7	26.6	29.6	32.6	35.5
THROTTLE	6.5	6.5	7.7	8.8	10.1	11.4	12.9	14.7	16.6	18.7
MANIFOLD	20.6	20.6	19.7	18.8	17.9	17.0	15.9	14.8	13.6	12.4
LOAD POINT	131.3	145.8	160.3	174.7	189.2	203.6	218.1	232.6	247.0	261.5
FUEL RATE	38.4	41.3	44.1	47.1	50.2	53.6	57.4	61.9	67.3	73.8
THROTTLE	21.0	23.4	25.7	28.0	30.5	33.4	37.5	44.0	55.8	79.7
MANIFOLD	11.2	10.0	8.9	7.8	6.8	5.8	4.8	3.7	2.3	0.5
SPEED POINT	3300.0									
LOAD POINT	-56.4	4.0	17.5	31.0	44.5	58.0	71.6	85.1	98.6	112.1
FUEL RATE	4.7	19.9	22.2	24.6	27.1	29.7	32.3	35.1	37.9	40.8
THROTTLE	9.0	9.0	10.1	11.7	13.5	15.4	17.2	18.9	20.7	22.4
MANIFOLD	20.0	20.0	19.2	18.3	17.4	16.4	15.4	14.4	13.3	12.3
LOAD POINT	125.6	139.2	152.7	166.2	179.7	193.2	206.8	220.3	233.8	247.3
FUEL RATE	43.9	47.2	50.6	54.3	58.2	62.4	67.0	72.0	77.3	82.9
THROTTLE	24.4	26.6	28.9	31.4	34.0	36.8	40.3	45.8	56.2	79.9
MANIFOLD	11.2	10.1	9.1	8.0	6.9	5.8	4.7	3.5	2.3	1.1
SPEED POINT	3800.0									
LOAD POINT	-67.2	3.4	15.5	27.7	39.8	52.0	64.1	76.2	88.4	100.5
FUEL RATE	4.7	21.2	25.5	29.8	33.7	37.0	40.0	42.6	45.0	47.3
THROTTLE	9.5	9.5	11.1	13.0	14.9	16.8	18.8	20.8	22.8	25.0
MANIFOLD	20.4	20.4	19.1	18.0	17.0	16.1	15.2	14.2	13.1	12.1
LOAD POINT	112.7	124.8	137.0	149.1	161.2	173.4	185.5	197.7	209.8	222.0
FUEL RATE	49.5	51.9	54.5	57.4	60.9	65.0	70.0	76.0	83.2	90.4
THROTTLE	27.3	29.5	31.7	33.7	35.5	37.2	39.7	44.3	54.6	80.0
MANIFOLD	11.0	9.9	8.9	7.8	6.9	5.9	5.0	4.0	2.9	1.5
*ENGINE		C5FDC6		RPM		TORQUE		G/HR(*.1)		
1975 FORD	351.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	4.000	3.500	8.	700.	3600.	.1000	.7126			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7
MANIFOLD	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.5	17.5
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
MANIFOLD	17.4	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.7
SPEED POINT	750.0									
LOAD POINT	-1.1	1.0	1.7	2.5	3.2	4.0	4.7	5.4	6.2	6.9
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.0	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.9
MANIFOLD	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
LOAD POINT	7.7	8.4	9.2	9.9	10.7	11.4	12.2	12.9	13.7	14.4
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.0
SPEED POINT	800.0									
LOAD POINT	-2.2	1.0	1.7	2.5	3.2	4.0	4.8	5.5	6.3	7.0
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.1
MANIFOLD	18.0	18.0	18.0	18.0	17.9	17.9	17.9	17.9	17.9	17.8
LOAD POINT	7.8	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.8	14.6
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5
MANIFOLD	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5
SPEED POINT	1200.0									
LOAD POINT	-10.8	3.0	16.3	29.5	42.8	56.1	69.4	82.7	95.9	109.2
EMISSION RATE	2.1	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
THROTTLE	1.5	1.5	1.5	1.6	2.3	3.1	3.6	3.8	3.9	4.2
MANIFOLD	20.0	20.0	18.8	17.7	16.7	15.7	14.8	13.9	13.0	12.2
LOAD POINT	122.5	135.8	149.0	162.3	175.6	188.9	202.2	215.4	228.7	242.0
EMISSION RATE	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.5
THROTTLE	5.1	6.9	9.8	13.7	17.1	18.0	16.2	14.5	19.0	71.7
MANIFOLD	11.3	10.5	9.6	8.7	7.7	6.7	5.5	4.2	2.7	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.3	0.6	14.5	28.4	42.3	56.3	70.2	84.1	98.0	111.9
EMISSION RATE	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8
THROTTLE	5.8	5.8	7.5	9.0	10.1	10.8	11.2	11.6	12.1	13.0
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.7	15.5	14.3	13.0	11.7
LOAD POINT	125.8	139.7	153.7	167.6	181.5	195.4	209.3	223.2	237.1	251.0
EMISSION RATE	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.4
THROTTLE	14.2	15.9	17.9	20.1	22.4	24.7	27.6	32.6	44.4	80.0
MANIFOLD	10.5	9.4	8.3	7.4	6.5	5.7	4.8	3.8	2.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-23.2	3.2	17.5	31.9	46.2	60.6	74.9	89.2	103.6	117.9
EMISSION RATE	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8
THROTTLE	4.5	4.5	5.1	5.7	6.4	7.2	8.2	9.3	10.8	12.7
MANIFOLD	20.5	20.5	19.0	17.9	17.1	16.4	15.6	14.6	13.5	12.3
LOAD POINT	132.3	146.6	161.0	175.3	189.6	204.0	218.3	232.7	247.0	261.3
EMISSION RATE	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.5	1.4	1.3
THROTTLE	14.9	17.4	20.0	22.6	24.8	26.9	29.5	34.3	46.0	79.8
MANIFOLD	11.0	9.7	8.5	7.3	6.3	5.3	4.4	3.4	2.2	0.5
SPEED POINT	2200.0									
LOAD POINT	-32.5	2.4	17.4	32.4	47.4	62.4	77.3	92.3	107.3	122.3
EMISSION RATE	2.1	2.2	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.8
THROTTLE	7.9	7.9	6.4	5.3	5.0	5.0	5.4	6.5	8.2	10.3
MANIFOLD	21.5	21.5	20.3	19.1	17.8	16.6	15.4	14.2	13.1	11.9
LOAD POINT	137.3	152.3	167.3	182.2	197.2	212.2	227.2	242.2	257.2	272.1
EMISSION RATE	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4
THROTTLE	13.0	16.3	20.1	24.4	29.3	34.7	40.6	47.1	54.1	61.7
MANIFOLD	10.8	9.6	6.5	7.4	6.3	5.2	4.2	3.1	2.1	1.1
SPEED POINT	2400.0									
LOAD POINT	-36.8	2.8	17.5	32.2	46.9	61.6	76.3	91.1	105.8	120.5
EMISSION RATE	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7
THROTTLE	4.7	4.7	5.5	6.7	8.1	9.6	11.2	12.9	14.6	16.6
MANIFOLD	20.8	20.8	19.6	18.6	17.5	16.4	15.3	14.1	12.9	11.7
LOAD POINT	135.2	149.9	164.6	179.3	194.1	208.8	223.5	238.2	252.9	267.6
EMISSION RATE	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.2
THROTTLE	18.8	21.2	23.7	26.2	28.5	30.8	33.6	38.4	49.5	79.8
MANIFOLD	10.5	9.4	8.3	7.3	6.3	5.3	4.4	3.3	2.1	0.6
SPEED POINT	2800.0									
LOAD POINT	-45.5	1.2	15.7	30.1	44.6	59.0	73.5	88.0	102.4	116.9
EMISSION RATE	2.1	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.7	1.6
THROTTLE	6.5	6.5	7.7	8.8	10.1	11.4	12.9	14.7	16.6	18.7
MANIFOLD	20.6	20.6	19.7	18.8	17.9	17.0	15.9	14.8	13.6	12.4
LOAD POINT	131.3	145.8	160.3	174.7	189.2	203.6	218.1	232.6	247.0	261.5

EMISSION RATE	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.2
THROTTLE	21.0	23.4	25.7	28.0	30.5	33.4	37.5	44.0	55.8	79.7
MANIFOLD	11.2	10.0	8.9	7.8	6.8	5.8	4.8	3.7	2.3	0.5
SPEED POINT	3300.0									
LOAD POINT	-56.4	4.0	17.5	31.0	44.5	58.0	71.6	85.1	98.6	112.1
EMISSION RATE	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.6	1.6
THROTTLE	9.0	9.0	10.1	11.7	13.5	15.4	17.2	18.9	20.7	22.4
MANIFOLD	20.0	20.0	19.2	18.3	17.4	16.4	15.4	14.4	13.3	12.3
LOAD POINT	125.6	139.2	152.7	166.2	179.7	193.2	206.8	220.3	233.8	247.3
EMISSION RATE	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3
THROTTLE	24.4	26.6	28.9	31.4	34.0	36.8	40.3	45.8	56.2	79.9
MANIFOLD	11.2	10.1	9.1	8.0	6.9	5.8	4.7	3.5	2.3	1.1
SPEED POINT	3800.0									
LOAD POINT	-67.2	3.4	15.5	27.7	39.8	52.0	64.1	76.2	88.4	100.5
EMISSION RATE	2.1	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5
THROTTLE	9.5	9.5	11.1	13.0	14.9	16.8	18.8	20.8	22.8	25.0
MANIFOLD	20.4	20.4	19.1	18.0	17.0	16.1	15.2	14.2	13.1	12.1
LOAD POINT	112.7	124.8	137.0	149.1	161.2	173.4	185.5	197.7	209.8	222.0
EMISSION RATE	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3
THROTTLE	27.3	29.5	31.7	33.7	35.5	37.2	39.7	44.3	54.6	80.0
MANIFOLD	11.0	9.9	8.9	7.8	6.9	5.9	5.0	4.0	2.9	1.5
*ENGINE		H5FDC6		RPM		TURQUE		G/HR		
1975 FORD	351.0	ENGINE	HC	MAP		CATALYTIC		CONVERTER		
DATA	4.000	3.500	8.	700.	3800.	.1000	.7126			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	76.3	76.3	76.9	77.6	78.3	79.0	79.7	80.4	81.1	81.8
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7
MANIFOLD	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.5	17.5
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	82.5	83.2	83.9	84.7	85.4	86.1	86.9	87.7	88.4	89.2
THROTTLE	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
MANIFOLD	17.4	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.7
SPEED POINT	750.0									
LOAD POINT	-1.1	1.0	1.7	2.5	3.2	4.0	4.7	5.4	6.2	6.9
EMISSION RATE	76.3	34.9	36.5	38.0	39.4	40.6	41.8	42.8	43.7	44.5
THROTTLE	0.0	0.0	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.9
MANIFOLD	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
LOAD POINT	7.7	8.4	9.2	9.9	10.7	11.4	12.2	12.9	13.7	14.4
EMISSION RATE	45.1	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.0
SPEED POINT	800.0									
LOAD POINT	-2.2	1.0	1.7	2.5	3.2	4.0	4.8	5.5	6.3	7.0
EMISSION RATE	76.3	49.0	49.6	50.1	50.6	51.0	51.4	51.7	51.9	52.0
THROTTLE	0.0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.1
MANIFOLD	18.0	18.0	18.0	18.0	17.9	17.9	17.9	17.9	17.9	17.8
LOAD POINT	7.8	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.8	14.6
EMISSION RATE	52.1	52.2	52.2	52.1	51.9	51.7	51.4	51.0	50.6	50.2
THROTTLE	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5
MANIFOLD	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5
SPEED POINT	1200.0									
LOAD POINT	-10.8	3.0	16.3	29.5	42.8	56.1	69.4	82.7	95.9	109.2
EMISSION RATE	76.3	62.9	99.4	121.1	119.9	108.0	96.1	88.8	87.6	93.2
THROTTLE	1.5	1.5	1.5	1.6	2.3	3.1	3.6	3.8	3.9	4.2
MANIFOLD	20.0	20.0	18.8	17.7	16.7	15.7	14.8	13.9	13.0	12.2
LOAD POINT	122.5	135.8	149.0	162.3	175.6	188.9	202.2	215.4	228.7	242.0
EMISSION RATE	106.1	127.4	158.0	198.4	248.0	306.9	378.9	479.5	654.7	1044.0
THROTTLE	5.1	6.9	9.8	13.7	17.1	18.0	16.2	14.5	19.0	71.7
MANIFOLD	11.3	10.5	9.6	8.7	7.7	6.7	5.5	4.2	2.7	1.0
SPEED POINT	1500.0									

LOAD PCINT	-17.3	0.6	14.5	28.4	42.3	56.3	70.2	84.1	98.0	111.9
EMISSION RATE	76.3	46.0	58.8	64.6	66.5	67.7	69.9	73.4	77.4	80.8
THROTTLE	5.8	5.8	7.5	9.0	10.1	10.8	11.2	11.6	12.1	13.0
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.7	15.5	14.3	13.0	11.7
LOAD POINT	125.8	139.7	153.7	167.6	181.5	195.4	209.3	223.2	237.1	251.0
EMISSION RATE	81.6	78.9	72.9	65.7	60.3	61.0	76.5	140.2	467.0	13732.8
THROTTLE	14.2	15.9	17.9	20.1	22.4	24.7	27.6	32.6	44.4	80.0
MANIFOLD	10.5	9.4	8.3	7.4	6.5	5.7	4.8	3.8	2.5	0.7
SPEED POINT 2000.0										
LOAD PCINT	-28.2	3.2	17.5	31.9	46.2	60.6	74.9	89.2	103.6	117.9
EMISSION RATE	76.3	56.4	65.9	76.0	85.1	91.9	95.9	97.2	97.0	96.8
THROTTLE	4.5	4.5	5.1	5.7	6.4	7.2	8.2	9.3	10.8	12.7
MANIFOLD	20.5	20.5	19.0	17.9	17.1	16.4	15.6	14.6	13.5	12.3
LOAD PCINT	132.3	146.6	161.0	175.3	189.6	204.0	218.3	232.7	247.0	261.3
EMISSION RATE	98.6	104.8	119.0	148.1	206.6	330.4	618.0	1374.1	3676.0	*****
THROTTLE	14.9	17.4	20.0	22.6	24.8	26.9	29.5	34.3	46.0	79.8
MANIFOLD	11.0	9.7	8.5	7.3	6.3	5.3	4.4	3.4	2.2	0.5
SPEED POINT 2200.0										
LOAD POINT	-32.5	2.4	17.4	32.4	47.4	62.4	77.3	92.3	107.3	122.3
EMISSION RATE	76.3	978.2	251.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
THROTTLE	7.9	7.9	6.4	5.3	5.0	5.0	5.4	6.5	8.2	10.3
MANIFOLD	21.5	21.5	20.3	19.1	17.8	16.6	15.4	14.2	13.1	11.9
LOAD PCINT	137.3	152.3	167.3	182.2	197.2	212.2	227.2	242.2	257.2	272.1
EMISSION RATE	71.6	71.6	323.9	1065.2	1939.9	92948.0	4089.6	5364.7	7773.2	28315.1
THROTTLE	13.0	16.3	20.1	24.4	29.3	34.7	40.6	47.1	54.1	61.7
MANIFOLD	10.8	9.6	8.5	7.4	6.3	5.2	4.2	3.1	2.1	1.1
SPEED POINT 2400.0										
LOAD POINT	-36.8	2.8	17.5	32.2	46.9	61.6	76.3	91.1	105.8	120.5
EMISSION RATE	76.3	80.6	79.1	85.1	96.5	112.0	130.7	151.9	175.6	202.8
THROTTLE	4.7	4.7	5.5	6.7	8.1	9.6	11.2	12.9	14.6	16.6
MANIFOLD	20.8	20.8	19.6	18.6	17.5	16.4	15.3	14.1	12.9	11.7
LOAD PCINT	135.2	149.9	164.6	179.3	194.1	208.8	223.5	238.2	252.9	267.6
EMISSION RATE	236.4	281.9	349.9	460.3	653.7	1020.2	1776.4	3492.9	7811.5	*****
THROTTLE	18.8	21.2	23.7	26.2	28.5	30.8	33.6	38.4	49.5	79.8
MANIFOLD	10.5	9.4	8.3	7.3	6.3	5.3	4.4	3.3	2.1	0.6
SPEED POINT 2800.0										
LOAD POINT	-45.5	1.2	15.7	30.1	44.6	59.0	73.5	88.0	102.4	116.9
EMISSION RATE	76.3	83.4	72.3	76.9	117.2	198.3	337.1	540.5	791.1	11049.0
THROTTLE	6.5	6.5	7.7	8.8	10.1	11.4	12.9	14.7	16.6	18.7
MANIFOLD	20.6	20.6	19.7	18.8	17.9	17.0	15.9	14.8	13.6	12.4
LOAD POINT	131.3	145.8	160.3	174.7	189.2	203.6	218.1	232.6	247.0	261.5
FUEL RATE	1275.9	1462.3	1637.7	1865.3	2245.7	2949.9	4311.0	7022.7	*****	*****
THROTTLE	21.0	23.4	25.7	28.0	30.5	33.4	37.5	44.0	55.8	79.7
MANIFOLD	11.2	10.0	8.9	7.8	6.8	5.8	4.8	3.7	2.3	0.5
SPEED POINT 3300.0										
LOAD POINT	-56.4	4.0	17.5	31.0	44.5	58.0	71.6	85.1	98.6	112.1
EMISSION RATE	76.3	106.6	112.6	111.6	114.1	126.8	156.8	215.2	320.7	501.7
THROTTLE	9.0	9.0	10.1	11.7	13.5	15.4	17.2	18.9	20.7	22.4
MANIFOLD	20.0	20.0	19.2	18.3	17.4	16.4	15.4	14.4	13.3	12.3
LOAD POINT	125.6	139.2	152.7	166.2	179.7	193.2	206.8	220.3	233.8	247.3
EMISSION RATE	791.1	1209.0	1733.4	2287.4	2780.5	3199.6	3701.5	4755.2	7844.6	*****
THROTTLE	24.4	26.6	28.9	31.4	34.0	36.8	40.3	45.8	56.2	79.9
MANIFOLD	11.2	10.1	9.1	8.0	6.9	5.8	4.7	3.5	2.3	1.1
SPEED POINT 3800.0										
LOAD POINT	-67.2	3.4	15.5	27.7	39.8	52.0	64.1	76.2	88.4	100.5
EMISSION RATE	76.3	279.0	205.2	207.2	249.7	325.4	429.5	554.0	689.7	833.1
THROTTLE	9.5	9.5	11.1	13.0	14.9	16.8	18.8	20.8	22.8	25.0
MANIFOLD	20.4	20.4	19.1	18.0	17.0	16.1	15.2	14.2	13.1	12.1
LOAD POINT	112.7	124.8	137.0	149.1	161.2	173.4	185.5	197.7	209.8	222.0
EMISSION RATE	994.4	1202.8	1514.3	2031.0	2941.9	4598.3	7593.7	*****	*****	*****
THROTTLE	27.3	29.5	31.7	33.7	35.5	37.2	39.7	44.3	54.6	80.0

MANIFOLD *ENGINE	11.0	9.9	8.9	7.8	6.9	5.9	5.0	4.0	2.9	1.5
DATA	351.0	N5FDC6 ENGINE	NOX MAP	RPM	TORQUE		CATALYTIC CONVERTER			
	4.000	3.500	8.	700.	3800.	1000	.7126			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	6.8	6.8	5.8	4.9	4.1	3.5	2.9	2.5	2.3	2.1
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7
MANIFOLD	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.5	17.5
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	2.1	2.1	2.4	2.7	3.1	3.7	4.4	5.2	6.2	7.2
THROTTLE	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
MANIFOLD	17.4	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.7
SPEED POINT	750.0									
LOAD POINT	-1.1	1.0	1.7	2.5	3.2	4.0	4.7	5.4	6.2	6.9
EMISSION RATE	6.8	10.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
THROTTLE	0.0	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.9
MANIFOLD	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
LOAD POINT	7.7	8.4	9.2	9.9	10.7	11.4	12.2	12.9	13.7	14.4
EMISSION RATE	10.5	10.5	10.6	10.8	10.9	11.1	11.3	11.6	11.8	12.1
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.0
SPEED POINT	800.0									
LOAD POINT	-2.2	1.0	1.7	2.5	3.2	4.0	4.8	5.5	6.3	7.0
EMISSION RATE	6.8	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
THROTTLE	0.0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.1
MANIFOLD	18.0	18.0	18.0	18.0	17.9	17.9	17.9	17.9	17.9	17.8
LOAD POINT	7.8	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.8	14.6
EMISSION RATE	9.2	9.3	9.4	9.5	9.6	9.7	9.8	10.0	10.1	10.3
THROTTLE	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5
MANIFOLD	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5
SPEED POINT	1200.0									
LOAD POINT	-10.8	3.0	16.3	29.5	42.8	56.1	69.4	82.7	95.9	109.2
EMISSION RATE	6.8	4.5	5.7	6.3	7.3	9.2	12.0	15.5	19.3	23.0
THROTTLE	1.5	1.5	1.5	1.6	2.3	3.1	3.6	3.8	3.9	4.2
MANIFOLD	20.0	20.0	18.8	17.7	16.7	15.7	14.8	13.9	13.0	12.2
LOAD POINT	122.5	135.8	149.0	162.3	175.6	188.9	202.2	215.4	228.7	242.0
EMISSION RATE	27.2	32.4	39.4	47.8	54.7	55.1	47.4	38.1	40.1	118.4
THROTTLE	5.1	6.9	9.8	13.7	17.1	18.0	16.2	14.5	19.0	71.7
MANIFOLD	11.3	10.5	9.6	8.7	7.7	6.7	5.5	4.2	2.7	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.3	0.6	14.5	28.4	42.3	56.3	70.2	84.1	98.0	111.9
EMISSION RATE	6.8	1.2	2.7	4.8	7.2	9.7	12.4	15.3	18.8	22.9
THROTTLE	5.8	5.8	7.5	9.0	10.1	10.8	11.2	11.6	12.1	13.0
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.7	15.5	14.3	13.0	11.7
LOAD POINT	125.8	139.7	153.7	167.6	181.5	195.4	209.3	223.2	237.1	251.0
EMISSION RATE	27.6	32.5	36.9	39.7	40.5	39.8	39.5	43.0	59.4	128.3
THROTTLE	14.2	15.9	17.9	20.1	22.4	24.7	27.6	32.6	44.4	80.0
MANIFOLD	10.5	9.4	8.3	7.4	6.5	5.7	4.8	3.8	2.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-28.2	3.2	17.5	31.9	46.2	60.6	74.9	89.2	103.6	117.9
EMISSION RATE	6.8	2.9	4.5	6.9	9.7	12.5	15.3	18.4	21.9	26.1
THROTTLE	4.5	4.5	5.1	5.7	6.4	7.2	8.2	9.3	10.8	12.7
MANIFOLD	20.5	20.5	19.0	17.9	17.1	16.4	15.6	14.6	13.5	12.3
LOAD POINT	132.3	146.6	161.0	175.3	189.6	204.0	218.3	232.7	247.0	261.3
EMISSION RATE	30.4	34.1	35.7	34.6	31.4	28.1	27.4	33.7	64.7	246.7
THROTTLE	14.9	17.4	20.0	22.6	24.8	26.9	29.5	34.3	46.0	79.8
MANIFOLD	11.0	9.7	8.5	7.3	6.3	5.3	4.4	3.4	2.2	0.5
SPEED POINT	2200.0									
LOAD POINT	-32.5	2.4	17.4	32.4	47.4	62.4	77.3	92.3	107.3	122.3
EMISSION RATE	6.8	15.7	10.4	6.6	4.3	3.8	4.1	6.2	9.8	14.8



THROTTLE	7.9	7.9	6.4	5.3	5.0	5.0	5.4	6.5	8.2	10.3
MANIFOLD	21.5	21.5	20.3	19.1	17.8	16.6	15.4	14.2	13.1	11.9
LOAD POINT	137.3	152.3	167.3	182.2	197.2	212.2	227.2	242.2	257.2	272.1
EMISSION RATE	21.3	29.3	38.8	49.7	62.1	76.0	91.4	108.2	126.5	146.3
THROTTLE	13.0	16.3	20.1	24.4	29.3	34.7	40.6	47.1	54.1	61.7
MANIFOLD	10.8	9.6	8.5	7.4	6.3	5.2	4.2	3.1	2.1	1.1
SPEED POINT	2400.0									
LOAD POINT	-36.8	2.8	17.5	32.2	46.9	61.6	76.3	91.1	105.8	120.5
EMISSION RATE	6.8	4.5	6.0	10.0	15.5	20.1	22.8	24.2	25.5	27.4
THROTTLE	4.7	4.7	5.5	6.7	8.1	9.6	11.2	12.9	14.6	16.6
MANIFOLD	20.8	20.8	19.6	18.6	17.5	16.4	15.3	14.1	12.9	11.7
LOAD POINT	135.2	149.9	164.6	179.3	194.1	208.8	223.5	238.2	252.9	267.6
EMISSION RATE	29.8	31.9	32.7	31.8	30.2	30.2	35.2	52.9	106.6	248.2
THROTTLE	18.8	21.2	23.7	26.2	26.5	30.8	33.6	38.4	49.5	79.8
MANIFOLD	10.5	9.4	8.3	7.3	6.3	5.3	4.4	3.3	2.1	0.6
SPEED POINT	2800.0									
LOAD POINT	-45.5	1.2	15.7	30.1	44.6	59.0	73.5	88.0	102.4	116.9
EMISSION RATE	6.8	3.6	4.9	7.3	9.3	9.9	9.5	9.2	9.5	10.9
THROTTLE	6.5	6.5	7.7	8.8	10.1	11.4	12.9	14.7	16.6	18.7
MANIFOLD	20.6	20.6	19.7	18.8	17.9	17.0	15.9	14.8	13.6	12.4
LOAD POINT	131.3	145.8	160.3	174.7	189.2	203.6	218.1	232.6	247.0	261.5
EMISSION RATE	13.4	17.0	21.3	25.7	30.6	38.4	55.3	96.3	188.0	290.5
THROTTLE	21.0	23.4	25.7	28.0	30.5	33.4	37.5	44.0	55.8	79.7
MANIFOLD	11.2	10.0	8.9	7.8	6.8	5.8	4.8	3.7	2.3	0.5
SPEED POINT	3300.0									
LOAD POINT	-56.4	4.0	17.5	31.0	44.5	58.0	71.6	85.1	98.6	112.1
EMISSION RATE	6.8	4.3	14.9	22.6	18.2	11.0	6.9	5.6	6.4	9.6
THROTTLE	9.0	9.0	10.1	11.7	13.5	15.4	17.2	18.9	20.7	22.4
MANIFOLD	20.0	20.0	19.2	18.3	17.4	16.4	15.4	14.4	13.3	12.3
LOAD POINT	125.6	139.2	152.7	166.2	179.7	193.2	206.8	220.3	233.8	247.3
EMISSION RATE	16.1	26.2	36.1	40.7	41.3	45.2	65.8	138.5	293.6	293.1
THROTTLE	24.4	26.6	28.9	31.4	34.0	36.8	40.3	45.8	56.2	79.9
MANIFOLD	11.2	10.1	9.1	8.0	6.9	5.9	4.7	3.5	2.3	1.1
SPEED POINT	3800.0									
LOAD POINT	-67.2	3.4	15.5	27.7	39.8	52.0	64.1	76.2	88.4	100.5
EMISSION RATE	6.8	15.2	10.2	6.3	4.0	3.0	2.7	3.1	4.2	6.1
THROTTLE	9.5	9.5	11.1	13.0	14.9	16.8	18.8	20.8	22.8	25.0
MANIFOLD	20.4	20.4	19.1	18.0	17.0	16.1	15.2	14.2	13.1	12.1
LOAD POINT	112.7	124.8	137.0	149.1	161.2	173.4	185.5	197.7	209.8	222.0
EMISSION RATE	8.7	11.5	14.0	16.7	21.7	35.2	77.1	208.1	318.1	311.2
THROTTLE	27.3	29.5	31.7	33.7	35.5	37.2	39.7	44.3	54.6	80.0
MANIFOLD	11.0	9.9	8.9	7.8	6.9	5.9	5.0	4.0	2.9	1.5
*ENGINE		X5FDC6		RPM		TURQUE		G/HR(*.1)		
1975 FORD	351.0	ENGINE	RAW	CO	MAP	CATALYTIC	CC	VERTER		
DATA	4.000	3.500	8.	700.	3800.	.1000	.7126			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7
MANIFOLD	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.5	17.5
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
THROTTLE	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
MANIFOLD	17.4	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.7
SPEED POINT	750.0									
LOAD POINT	-1.1	1.0	1.7	2.5	3.2	4.0	4.7	5.4	6.2	6.9
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
THROTTLE	0.0	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.9
MANIFOLD	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
LOAD POINT	7.7	8.4	9.2	9.9	10.7	11.4	12.2	12.9	13.7	14.4
EMISSION RATE	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0

THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.0
SPEED POINT	800.0									
LOAD POINT	-2.2	1.0	1.7	2.5	3.2	4.0	4.8	5.5	6.3	7.0
EMISSION RATE	2.1	2.0	4.6	6.8	8.8	10.4	11.7	12.8	13.5	14.0
THROTTLE	0.0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.1
MANIFOLD	18.0	18.0	18.0	18.0	17.9	17.9	17.9	17.9	17.9	17.8
LOAD POINT	7.8	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.8	14.6
EMISSION RATE	14.1	14.0	13.5	12.8	11.7	10.4	8.7	6.8	4.5	2.0
THROTTLE	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5
MANIFOLD	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5
SPEED POINT	1200.0									
LOAD POINT	-10.8	3.0	16.3	29.5	42.8	56.1	69.4	82.7	95.9	109.2
EMISSION RATE	2.1	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7
THROTTLE	1.5	1.5	1.5	1.6	2.3	3.1	3.6	3.8	3.9	4.2
MANIFOLD	20.0	20.0	18.8	17.7	16.7	15.7	14.8	13.9	13.0	12.2
LOAD POINT	122.5	135.8	149.0	162.3	175.6	188.9	202.2	215.4	228.7	242.0
EMISSION RATE	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.4
THROTTLE	5.1	6.9	9.8	13.7	17.1	18.0	16.2	14.5	19.0	71.7
MANIFOLD	11.3	10.5	9.6	8.7	7.7	6.7	5.5	4.2	2.7	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.3	0.6	14.5	28.4	42.3	56.3	70.2	84.1	98.0	111.9
EMISSION RATE	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8
THROTTLE	5.8	5.8	7.5	9.0	10.1	10.8	11.2	11.6	12.1	13.0
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.7	15.5	14.3	13.0	11.7
LOAD POINT	125.8	139.7	153.7	167.6	181.5	195.4	209.3	223.2	237.1	251.0
EMISSION RATE	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.4
THROTTLE	14.2	15.9	17.9	20.1	22.4	24.7	27.6	32.6	44.4	80.0
MANIFOLD	10.5	9.4	8.3	7.4	6.5	5.7	4.8	3.8	2.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-28.2	3.2	17.5	31.9	46.2	60.6	74.9	89.2	103.6	117.9
EMISSION RATE	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8
THROTTLE	4.5	4.5	5.1	5.7	6.4	7.2	8.2	9.3	10.8	12.7
MANIFOLD	20.5	20.5	19.0	17.9	17.1	16.4	15.6	14.6	13.5	12.3
LOAD POINT	132.3	146.6	161.0	175.3	189.6	204.0	218.3	232.7	247.0	261.3
EMISSION RATE	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.4	1.2
THROTTLE	14.9	17.4	20.0	22.6	24.8	26.9	29.5	34.3	46.0	79.8
MANIFOLD	11.0	9.7	8.5	7.3	6.3	5.3	4.4	3.4	2.2	0.5
SPEED POINT	2200.0									
LOAD POINT	-32.5	2.4	17.4	32.4	47.4	62.4	77.3	92.3	107.3	122.3
EMISSION RATE	2.1	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8
THROTTLE	7.9	7.9	6.4	5.3	5.0	5.0	5.4	6.5	8.2	10.3
MANIFOLD	21.5	21.5	20.3	19.1	17.8	16.6	15.4	14.2	13.1	11.9
LOAD POINT	137.3	152.3	167.3	182.2	197.2	212.2	227.2	242.2	257.2	272.1
EMISSION RATE	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4
THROTTLE	13.0	16.3	20.1	24.4	29.3	34.7	40.6	47.1	54.1	61.7
MANIFOLD	10.8	9.6	8.5	7.4	6.3	5.2	4.2	3.1	2.1	1.1
SPEED POINT	2400.0									
LOAD POINT	-36.8	2.8	17.5	32.2	46.9	61.6	76.3	91.1	105.8	120.5
EMISSION RATE	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.7
THROTTLE	4.7	4.7	5.5	6.7	8.1	9.0	11.2	12.9	14.6	16.6
MANIFOLD	20.8	20.8	19.6	18.6	17.5	16.4	15.3	14.1	12.9	11.7
LOAD POINT	135.2	149.9	164.6	179.3	194.1	208.8	223.5	238.2	252.9	267.6
EMISSION RATE	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.2
THROTTLE	18.8	21.2	23.7	26.2	28.5	30.8	33.6	38.4	49.5	79.8
MANIFOLD	10.5	9.4	8.3	7.3	6.3	5.3	4.4	3.3	2.1	0.6
SPEED POINT	2800.0									
LOAD POINT	-45.5	1.2	15.7	30.1	44.6	59.0	73.5	88.0	102.4	116.9
EMISSION RATE	2.1	2.1	2.1	2.0	1.9	1.8	1.8	1.7	1.6	1.6
THROTTLE	6.5	6.5	7.7	8.8	10.1	11.4	12.9	14.7	16.6	18.7
MANIFOLD	20.6	20.6	19.7	18.8	17.9	17.0	15.9	14.8	13.6	12.4

LOAD POINT	131.3	145.8	160.3	174.7	189.2	203.6	218.1	232.6	247.0	261.5
EMISSION RATE	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.2
THROTTLE	21.0	23.4	25.7	28.0	30.5	33.4	37.5	44.0	55.8	79.7
MANIFOLD	11.2	10.0	8.9	7.8	6.8	5.8	4.8	3.7	2.3	0.5
SPEED POINT	3300.0									
LOAD POINT	-56.4	4.0	17.5	31.0	44.5	58.0	71.6	85.1	98.6	112.1
EMISSION RATE	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6
THROTTLE	9.0	9.0	10.1	11.7	13.5	15.4	17.2	18.9	20.7	22.4
MANIFOLD	20.0	20.0	19.2	18.3	17.4	16.4	15.4	14.4	13.3	12.3
LOAD POINT	125.6	139.2	152.7	166.2	179.7	193.2	206.8	220.3	233.8	247.3
EMISSION RATE	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.2
THROTTLE	24.4	26.6	28.9	31.4	34.0	36.8	40.3	45.8	56.2	79.9
MANIFOLD	11.2	10.1	9.1	8.0	6.9	5.8	4.7	3.5	2.3	1.1
SPEED POINT	3800.0									
LOAD POINT	-67.2	3.4	15.5	27.7	39.8	52.0	64.1	76.2	88.4	100.5
EMISSION RATE	2.1	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.5	1.5
THROTTLE	9.5	9.5	11.1	13.0	14.9	16.8	18.8	20.8	22.8	25.0
MANIFOLD	20.4	20.4	19.1	18.0	17.0	16.1	15.2	14.2	13.1	12.1
LOAD POINT	112.7	124.8	137.0	149.1	161.2	173.4	185.5	197.7	209.8	222.0
EMISSION RATE	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3
THROTTLE	27.3	29.5	31.7	33.7	35.5	37.2	39.7	44.3	54.6	80.0
MANIFOLD	11.0	9.9	8.9	7.8	6.9	5.9	5.0	4.0	2.9	1.5
*ENGINE	Y5FDC6		RPM		TCRQUE		G/HR			
1975 FORD	351.0	ENGINE	RAW HC MAP		CATALYTIC		CONVERTER			
DATA	4.000	3.500	8. 700.	3800.	.1000	.7126				
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	165.6	165.6	161.6	158.0	154.9	152.1	149.7	147.6	146.0	144.8
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7
MANIFOLD	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.5	17.5
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	144.0	143.5	143.5	143.9	144.6	145.7	147.3	149.2	151.5	154.3
THROTTLE	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
MANIFOLD	17.4	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.7
SPEED POINT	750.0									
LOAD POINT	-1.1	1.0	1.7	2.5	3.2	4.0	4.7	5.4	6.2	6.9
EMISSION RATE	165.6	75.2	76.4	77.5	78.5	79.4	80.2	80.8	81.3	81.7
THROTTLE	0.0	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.9
MANIFOLD	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
LOAD POINT	7.7	8.4	9.2	9.9	10.7	11.4	12.2	12.9	13.7	14.4
EMISSION RATE	82.0	82.1	82.1	82.1	82.0	81.7	81.3	80.8	80.2	79.4
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.0
SPEED POINT	800.0									
LOAD POINT	-2.2	1.0	1.7	2.5	3.2	4.0	4.8	5.5	6.3	7.0
EMISSION RATE	165.6	96.2	76.3	58.6	43.3	30.2	19.6	11.2	5.2	1.5
THROTTLE	0.0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.1
MANIFOLD	18.0	18.0	18.0	18.0	17.9	17.9	17.9	17.9	17.9	17.8
LOAD POINT	7.8	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.8	14.6
EMISSION RATE	0.4	1.2	4.5	10.1	18.1	28.4	41.0	56.0	73.3	92.9
THROTTLE	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5
MANIFOLD	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5
SPEED POINT	1200.0									
LOAD POINT	-10.8	3.0	16.3	29.5	42.8	56.1	69.4	82.7	95.9	109.2
EMISSION RATE	165.6	104.7	185.1	207.9	192.1	172.4	164.3	170.9	190.5	217.2
THROTTLE	1.5	1.5	1.5	1.6	2.3	3.1	3.6	3.8	3.9	4.2
MANIFOLD	20.0	20.0	18.8	17.7	16.7	15.7	14.8	13.9	13.0	12.2
LOAD POINT	122.5	135.8	149.0	162.3	175.6	188.9	202.2	215.4	228.7	242.0
EMISSION RATE	238.0	236.0	203.2	150.5	99.8	65.9	65.8	65.8	194.1	2290.3
THROTTLE	5.1	6.9	9.8	13.7	17.1	18.0	16.2	14.5	19.0	71.7
MANIFOLD	11.3	10.5	9.6	8.7	7.7	6.7	5.5	4.2	2.7	1.0



THROTTLE	27.3	29.5	31.7	33.7	35.5	37.2	39.7	44.3	54.6	80.0
MANIFOLD	11.0	9.9	8.9	7.8	6.9	5.9	5.0	4.0	2.9	1.5
*ENGINE	Z5FDC6		RPM		TORQUE		G/HR			
1975 FORD	351.0	ENGINE	RAW	NOX	MAP	CATALYTIC	CONVERTER			
DATA	4.000	3.500	8.	700.	3800.	.1000	.7126			
SPEED POINT	700.0									
LOAD PCINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	7.7	7.7	8.1	8.4	8.7	8.9	9.1	9.3	9.4	9.5
THROTTLE	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7
MANIFOLD	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.5	17.5
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	9.5	9.5	9.4	9.3	9.2	9.0	8.7	8.4	8.1	7.7
THROTTLE	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
MANIFOLD	17.4	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.7
SPEED POINT	750.0									
LOAD POINT	-1.1	1.0	1.7	2.5	3.2	4.0	4.7	5.4	6.2	6.9
EMISSION RATE	7.7	13.3	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.5
THROTTLE	0.0	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.9
MANIFOLD	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
LOAD POINT	7.7	8.4	9.2	9.9	10.7	11.4	12.2	12.9	13.7	14.4
EMISSION RATE	13.5	13.6	13.7	13.7	13.8	13.9	14.0	14.1	14.2	14.4
THROTTLE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.0
SPEED POINT	800.0									
LOAD POINT	-2.2	1.0	1.7	2.5	3.2	4.0	4.8	5.5	6.3	7.0
EMISSION RATE	7.7	11.2	10.9	10.6	10.4	10.3	10.3	10.3	10.3	10.3
THROTTLE	0.0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.0	1.1
MANIFOLD	18.0	18.0	18.0	18.0	17.9	17.9	17.9	17.9	17.9	17.8
LOAD POINT	7.8	8.5	9.3	10.1	10.8	11.6	12.3	13.1	13.8	14.6
EMISSION RATE	10.3	10.4	10.6	10.9	11.2	11.6	12.0	12.4	13.0	13.6
THROTTLE	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5
MANIFOLD	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5
SPEED POINT	1200.0									
LOAD POINT	-10.8	3.0	16.3	29.5	42.8	56.1	69.4	82.7	95.9	109.2
EMISSION RATE	7.7	4.1	6.0	7.4	9.0	11.5	15.1	20.0	25.8	32.2
THROTTLE	1.5	1.5	1.5	1.6	2.3	3.1	3.6	3.8	3.9	4.2
MANIFOLD	20.0	20.0	18.8	17.7	16.7	15.7	14.8	13.9	13.0	12.2
LOAD POINT	122.5	135.8	149.0	162.3	175.6	188.9	202.2	215.4	228.7	242.0
EMISSION RATE	38.8	45.7	52.9	59.8	64.9	66.2	62.9	58.5	63.0	113.8
THROTTLE	5.1	6.9	9.8	13.7	17.1	18.0	16.2	14.5	19.0	71.7
MANIFOLD	11.3	10.5	9.6	8.7	7.7	6.7	5.5	4.2	2.7	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.3	0.6	14.5	28.4	42.3	56.3	70.2	84.1	98.0	111.9
EMISSION RATE	7.7	4.4	5.6	7.1	9.6	13.7	19.5	26.6	34.0	40.4
THROTTLE	5.8	5.8	7.5	9.0	10.1	10.8	11.2	11.6	12.1	13.0
MANIFOLD	20.5	20.5	19.8	18.9	17.9	16.7	15.5	14.3	13.0	11.7
LOAD POINT	125.8	139.7	153.7	167.6	181.5	195.4	209.3	223.2	237.1	251.0
EMISSION RATE	45.1	48.4	51.1	53.7	56.3	58.2	59.2	61.6	74.1	135.4
THROTTLE	14.2	15.9	17.9	20.1	22.4	24.7	27.6	32.6	44.4	80.0
MANIFOLD	10.5	9.4	8.3	7.4	6.5	5.7	4.8	3.8	2.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-28.2	3.2	17.5	31.9	46.2	60.6	74.9	89.2	103.6	117.9
EMISSION RATE	7.7	4.6	8.2	13.0	17.6	21.4	24.6	28.0	32.3	37.7
THROTTLE	4.5	4.5	5.1	5.7	6.4	7.2	8.2	9.3	10.8	12.7
MANIFOLD	20.5	20.5	19.0	17.9	17.1	16.4	15.6	14.6	13.5	12.3
LOAD POINT	132.3	146.6	161.0	175.3	189.6	204.0	218.3	232.7	247.0	261.3
EMISSION RATE	43.7	49.2	52.9	54.7	56.0	60.0	71.6	99.6	157.0	237.0
THROTTLE	14.9	17.4	20.0	22.6	24.8	26.9	29.5	34.3	46.0	79.8
MANIFOLD	11.0	9.7	8.5	7.3	6.3	5.3	4.4	3.4	2.2	0.5
SPEED POINT	2200.0									
LOAD PCINT	-32.5	2.4	17.4	32.4	47.4	62.4	77.3	92.3	107.3	122.3

EMISSION RATE	7.7	14.9	12.9	12.2	12.9	14.8	18.1	22.7	28.6	35.8
THROTTLE	7.9	7.9	6.4	5.3	5.0	5.0	5.4	6.5	8.2	10.3
MANIFOLD	21.5	21.5	20.3	19.1	17.8	16.6	15.4	14.2	13.1	11.9
LOAD POINT	137.3	152.3	167.3	182.2	197.2	212.2	227.2	242.2	257.2	272.1
EMISSION RATE	44.3	54.2	65.4	77.9	91.8	106.9	123.4	141.2	160.3	180.7
THROTTLE	13.0	16.3	20.1	24.4	29.3	34.7	40.6	47.1	54.1	61.7
MANIFOLD	10.8	9.6	8.5	7.4	6.3	5.2	4.2	3.1	2.1	1.1
SPEED POINT 2400.0										
LOAD POINT	-36.8	2.8	17.5	32.2	46.9	61.6	76.3	91.1	105.8	120.5
EMISSION RATE	7.7	5.9	9.1	15.2	22.2	27.3	30.4	32.8	36.2	41.3
THROTTLE	4.7	4.7	5.5	6.7	8.1	9.6	11.2	12.9	14.6	16.6
MANIFOLD	20.8	20.8	19.6	18.6	17.5	16.4	15.3	14.1	12.9	11.7
LOAD POINT	135.2	149.9	164.6	179.3	194.1	208.8	223.5	238.2	252.9	267.6
EMISSION RATE	47.6	53.3	56.5	56.4	55.3	57.7	70.0	104.3	176.9	242.6
THROTTLE	18.8	21.2	23.7	26.2	28.5	30.8	33.6	38.4	49.5	79.8
MANIFOLD	10.5	9.4	8.3	7.3	6.3	5.3	4.4	3.3	2.1	0.6
SPEED POINT 2800.0										
LOAD POINT	-45.5	1.2	15.7	30.1	44.6	59.0	73.5	88.0	102.4	116.9
EMISSION RATE	7.7	6.6	9.5	14.4	18.7	20.7	21.0	21.7	24.1	29.6
THROTTLE	6.5	6.5	7.7	8.8	10.1	11.4	12.9	14.7	16.6	18.7
MANIFOLD	20.6	20.6	19.7	18.8	17.9	17.0	15.9	14.8	13.6	12.4
LOAD POINT	131.3	145.8	160.3	174.7	189.2	203.6	218.1	232.6	247.0	261.5
EMISSION RATE	38.8	51.6	65.7	77.4	84.6	90.5	103.1	135.4	205.4	294.8
THROTTLE	21.0	23.4	25.7	28.0	30.5	33.4	37.5	44.0	55.8	79.7
MANIFOLD	11.2	10.0	8.9	7.8	6.8	5.8	4.8	3.7	2.3	0.5
SPEED POINT 3300.0										
LOAD POINT	-56.4	4.0	17.5	31.0	44.5	58.0	71.6	85.1	98.6	112.1
EMISSION RATE	7.7	11.9	18.3	24.2	27.0	27.4	27.8	30.0	35.1	43.8
THROTTLE	9.0	9.0	10.1	11.7	13.5	15.4	17.2	18.9	20.7	22.4
MANIFOLD	20.0	20.0	19.2	18.3	17.4	16.4	15.4	14.4	13.3	12.3
LOAD POINT	125.6	139.2	152.7	166.2	179.7	193.2	206.8	220.3	233.8	247.3
EMISSION RATE	55.1	66.6	75.0	79.3	83.5	95.7	129.7	210.1	331.9	331.4
THROTTLE	24.4	26.6	28.9	31.4	34.0	36.8	40.3	45.8	56.2	79.9
MANIFOLD	11.2	10.1	9.1	8.0	6.9	5.8	4.7	3.5	2.3	1.1
SPEED POINT 3800.0										
LOAD POINT	-67.2	3.4	15.5	27.7	39.8	52.0	64.1	76.2	88.4	100.5
EMISSION RATE	7.7	21.4	11.0	10.5	12.9	17.3	23.3	30.8	39.5	48.8
THROTTLE	9.5	9.5	11.1	13.0	14.9	16.8	18.8	20.8	22.8	25.0
MANIFOLD	20.4	20.4	19.1	18.0	17.0	16.1	15.2	14.2	13.1	12.1
LOAD POINT	112.7	124.8	137.0	149.1	161.2	173.4	185.5	197.7	209.8	222.0
EMISSION RATE	57.6	64.9	70.7	77.1	88.5	113.3	167.3	273.5	350.9	347.8
THROTTLE	27.3	29.5	31.7	33.7	35.5	37.2	39.7	44.3	54.6	80.0
MANIFOLD	11.0	9.9	8.9	7.8	6.9	5.9	5.0	4.0	2.9	1.5

APPENDIX C. CHRYSLER CORPORATION

C.1 1977 CHRYSLER 225 CID (3.69 LITER), 2 BBL

*ENGINE 1977 CHRYS DATA 2 BBL	F7CJL7 225.0 ENGINE 3.400	FUEL 4.125	RPM MAP 6.	650.	TORQUE CATALYTIC 3600.	.0800	LB/HR CCNVERTER .7160				
SPEED POINT	650.0										
LOAD POINT	0.0	18.7	19.3	20.0	20.6	21.2	21.9	22.5	23.1	23.7	
FUEL RATE	2.6	2.6	3.1	3.5	3.6	3.6	3.6	3.6	3.6	3.6	
THROTTLE	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
MANIFOLD	17.9	17.9	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5	
LOAD POINT	24.4	25.0	25.6	26.3	26.9	27.5	28.1	28.8	29.4	30.0	
FUEL RATE	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
THROTTLE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.0	
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.2	17.8	17.3	16.7	
SPEED POINT	750.0										
LOAD POINT	-2.6	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3	
FUEL RATE	2.6	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.2	3.2	
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	
MANIFOLD	20.0	20.0	19.9	19.8	19.6	19.4	19.3	19.1	18.9	18.7	
LOAD POINT	15.0	16.7	18.3	20.0	21.7	23.3	25.0	26.7	28.3	30.0	
FUEL RATE	3.3	3.4	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	
MANIFOLD	18.5	18.3	18.1	17.9	17.7	17.4	17.2	17.0	16.7	16.5	
SPEED POINT	1000.0										
LOAD POINT	-8.9	0.0	9.6	19.2	28.8	38.4	48.0	57.6	67.2	76.9	
FUEL RATE	2.6	3.5	3.7	4.0	4.4	4.9	5.4	6.0	6.6	7.2	
THROTTLE	1.0	1.0	1.6	2.1	2.4	2.6	2.8	3.2	3.8	4.6	
MANIFOLD	20.9	20.9	8.9	5.6	7.0	10.3	13.6	15.7	16.0	14.7	
LOAD POINT	86.5	96.1	105.7	115.3	124.9	134.5	144.1	153.7	163.3	172.9	
FUEL RATE	7.9	8.6	9.3	10.1	10.9	11.8	12.8	13.9	15.0	16.3	
THROTTLE	5.7	7.0	8.5	10.3	12.7	16.0	21.1	29.4	43.7	67.0	
MANIFOLD	12.0	8.7	5.4	2.9	1.5	1.5	2.6	3.9	3.7	0.0	
SPEED POINT	1300.0										
LOAD POINT	-16.6	2.0	11.6	21.2	30.8	40.5	50.1	59.7	69.3	78.9	
FUEL RATE	2.6	4.4	5.2	5.8	6.3	6.8	7.3	7.8	8.5	9.3	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	20.9	20.9	19.9	18.9	17.7	16.4	14.9	13.3	11.7	10.0	
LOAD POINT	38.5	98.2	107.8	117.4	127.0	136.6	146.2	155.9	165.5	175.1	
FUEL RATE	10.3	11.4	12.6	14.0	15.4	16.8	18.1	19.3	20.3	20.9	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	8.3	6.7	5.2	4.0	2.9	2.1	1.5	1.0	0.7	0.4	
SPEED POINT	1700.0										
LOAD POINT	-26.8	2.0	11.7	21.5	31.2	41.0	50.7	60.5	70.2	79.9	
FUEL RATE	2.6	5.6	6.0	6.6	7.5	8.4	9.5	10.6	11.8	13.0	
THROTTLE	2.5	2.5	2.4	3.1	4.4	5.9	7.3	8.4	9.4	10.6	
MANIFOLD	20.6	20.6	19.8	18.7	17.3	15.6	13.8	11.9	9.9	8.0	
LOAD POINT	89.7	99.4	109.2	118.9	128.7	138.4	148.2	157.9	167.6	177.4	
FUEL RATE	14.2	15.4	16.5	17.8	19.0	20.3	21.6	23.1	24.7	26.6	
THROTTLE	12.2	14.6	17.8	21.5	24.7	26.5	26.7	27.2	33.2	66.0	
MANIFOLD	6.3	4.8	3.7	2.8	2.3	2.0	1.9	1.8	1.5	0.7	
SPEED POINT	2000.0										
LOAD POINT	-34.5	2.0	11.8	21.7	31.6	41.4	51.3	61.1	71.0	80.9	
FUEL RATE	2.6	6.4	7.7	9.0	10.1	11.2	12.3	13.4	14.5	15.6	
THROTTLE	3.2	3.2	5.0	6.5	7.4	8.1	8.9	9.8	11.2	13.0	
MANIFOLD	20.7	20.7	18.4	16.3	14.4	12.6	10.9	9.4	8.0	6.8	
LOAD POINT	90.7	100.6	110.5	120.3	130.2	140.0	149.9	159.8	169.6	179.5	
FUEL RATE	16.7	17.9	19.1	20.5	21.9	23.5	25.2	27.1	29.2	31.4	
THROTTLE	15.3	17.9	20.4	22.5	23.9	24.7	25.8	28.9	37.9	66.5	
MANIFOLD	5.7	4.8	4.1	3.6	3.3	3.0	2.7	2.4	1.8	0.7	
SPEED POINT	2500.0										
LOAD POINT	-47.2	2.0	12.0	21.9	31.9	41.9	51.8	61.8	71.7	81.7	
FUEL RATE	2.6	8.8	10.5	11.9	13.1	14.3	15.3	16.5	17.7	19.2	
THROTTLE	5.6	5.6	7.9	9.4	10.2	10.7	11.2	12.1	13.6	15.6	

MANIFOLD	18.8	18.8	15.9	14.1	12.9	12.0	11.1	10.1	9.1	7.9
LOAD POINT	91.7	101.6	111.6	121.6	131.5	141.5	151.5	161.4	171.4	181.3
FUEL RATE	20.7	22.5	24.4	26.5	28.7	30.9	33.1	35.1	37.0	38.5
THROTTLE	18.1	20.9	23.8	26.1	27.7	28.7	29.8	32.8	41.4	67.0
MANIFOLD	6.7	5.5	4.5	3.8	3.3	3.0	2.9	2.7	2.0	0.5
SPEED POINT	3000.0									
LOAD POINT	-60.0	1.0	10.5	20.0	29.5	39.0	48.5	58.0	67.5	77.0
FUEL RATE	2.6	11.8	12.9	14.1	15.3	16.6	18.0	19.6	21.2	23.0
THROTTLE	8.1	8.1	8.7	9.7	10.9	12.1	13.3	14.6	16.2	18.1
MANIFOLD	16.7	16.7	14.9	13.8	12.9	12.1	11.2	10.2	9.1	7.9
LOAD POINT	86.6	96.1	105.6	115.1	124.6	134.1	143.6	153.1	162.6	172.1
FUEL RATE	25.0	27.1	29.3	31.6	34.0	36.6	39.1	41.7	44.2	46.5
THROTTLE	20.6	23.4	26.3	29.1	31.1	32.2	33.1	35.2	42.6	67.0
MANIFOLD	6.6	5.5	4.5	3.8	3.3	3.1	3.0	2.8	2.2	1.0
SPEED POINT	3300.0									
LOAD POINT	-67.7	1.0	9.7	18.4	27.2	35.9	44.6	53.3	62.0	70.8
FUEL RATE	2.6	13.4	14.1	15.1	16.2	17.6	19.2	21.0	23.0	25.3
THROTTLE	8.0	8.0	9.2	10.1	10.8	11.6	12.8	14.5	16.8	19.7
MANIFOLD	17.0	17.0	15.3	14.2	13.4	12.7	11.8	10.7	9.5	8.2
LOAD POINT	79.5	88.2	96.9	105.7	114.4	123.1	131.8	140.5	149.3	158.0
FUEL RATE	27.7	30.2	32.9	35.6	38.4	41.0	43.6	45.9	48.0	49.6
THROTTLE	23.0	26.4	29.5	31.7	33.0	33.7	34.5	37.2	45.1	67.0
MANIFOLD	6.8	5.5	4.5	3.7	3.2	3.1	3.1	3.1	2.7	1.5
SPEED POINT	3600.0									
LOAD POINT	-75.3	2.0	10.2	18.3	26.5	34.7	42.9	51.1	59.2	67.4
FUEL RATE	2.6	15.7	16.2	17.2	18.4	19.9	21.6	23.4	25.4	27.5
THROTTLE	10.0	10.0	11.1	12.3	13.4	14.5	15.6	17.1	19.0	21.4
MANIFOLD	14.8	14.8	13.5	12.7	12.2	11.7	11.1	10.3	9.2	8.1
LOAD POINT	75.6	83.8	92.0	100.2	108.3	116.5	124.7	132.9	141.1	149.2
FUEL RATE	29.6	31.8	34.1	36.4	38.8	41.2	43.7	46.3	48.9	51.6
THROTTLE	24.3	27.5	30.5	32.7	33.8	33.8	33.5	34.9	42.0	67.0
MANIFOLD	6.9	5.8	4.8	4.1	3.7	3.5	3.4	3.3	2.8	1.5
*ENGINE		C7CJL7		RPM		TURQUE		G/HR(*.1)		
1977 CHRYS	225.0	ENGINE	CO MAP		CATALYTIC	CCNVERTER				
DATA	3.400	4.125	6.	650.	3600.	.0800	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	18.7	19.3	20.0	20.6	21.2	21.9	22.5	23.1	23.7
EMISSION RATE	1.3	1.3	1.1	1.0	1.0	1.1	1.4	1.8	2.3	2.9
THROTTLE	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MANIFOLD	17.9	17.9	16.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
LOAD POINT	24.4	25.0	25.6	26.3	26.9	27.5	28.1	28.8	29.4	30.0
EMISSION RATE	3.6	4.5	5.5	6.6	7.9	9.2	10.7	12.3	14.0	15.9
THROTTLE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.2	17.8	17.3	16.7
SPEED POINT	750.0									
LOAD POINT	-2.6	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3
EMISSION RATE	1.3	0.5	0.6	0.8	0.9	1.0	1.1	1.1	1.2	1.3
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5
MANIFOLD	20.0	20.0	19.9	19.8	19.6	19.4	19.3	19.1	18.9	18.7
LOAD POINT	15.0	16.7	18.3	20.0	21.7	23.3	25.0	26.7	28.3	30.0
EMISSION RATE	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.1	1.0
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
MANIFOLD	18.5	18.3	18.1	17.9	17.7	17.4	17.2	17.0	16.7	16.5
SPEED POINT	1000.0									
LOAD POINT	-8.9	0.0	9.6	19.2	28.8	38.4	48.0	57.6	67.3	76.9
EMISSION RATE	1.3	0.3	0.5	0.8	1.3	1.7	1.7	1.4	0.9	0.6
THROTTLE	1.0	1.0	1.6	2.1	2.4	2.6	2.8	3.2	3.8	4.6
MANIFOLD	20.9	20.9	6.9	5.6	7.0	10.3	13.6	15.7	16.0	14.7
LOAD POINT	86.5	96.1	105.7	115.3	124.9	134.5	144.1	153.7	163.3	172.9
EMISSION RATE	0.4	0.3	0.4	0.5	1.2	3.7	15.2	64.1	206.0	259.7
THROTTLE	5.7	7.0	8.5	10.3	12.7	16.0	21.1	29.4	43.7	67.0



MANIFOLD	12.0	8.7	5.4	2.9	1.5	1.5	2.6	3.9	3.7	0.0
SPEED POINT 1300.0										
LOAD POINT	-16.6	2.0	11.6	21.2	30.8	40.5	50.1	59.7	69.3	78.9
EMISSION RATE	1.3	3.6	1.4	1.0	0.8	0.7	0.5	0.4	0.3	0.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.9	20.9	19.9	18.9	17.7	16.4	14.9	13.3	11.7	10.0
LOAD POINT	88.5	98.2	107.8	117.4	127.0	136.6	146.2	155.9	165.5	175.1
EMISSION RATE	0.2	0.3	0.4	1.2	4.3	20.8	106.1	393.9	393.9	338.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	8.3	6.7	5.2	4.0	2.9	2.1	1.5	1.0	0.7	0.4
SPEED POINT 1700.0										
LOAD POINT	-26.8	2.0	11.7	21.5	31.2	41.0	50.7	60.5	70.2	79.9
EMISSION RATE	1.3	0.6	1.7	1.7	1.0	0.5	0.2	0.1	0.1	0.1
THROTTLE	2.5	2.5	2.4	3.1	4.4	5.9	7.3	8.4	9.4	10.6
MANIFOLD	20.6	20.6	19.8	18.7	17.3	15.6	13.8	11.9	9.9	8.0
LOAD POINT	89.7	99.4	109.2	118.9	128.7	138.4	148.2	157.9	167.6	177.4
EMISSION RATE	0.2	0.5	1.5	5.7	23.9	92.2	279.5	498.7	498.7	317.6
THROTTLE	12.2	14.6	17.8	21.5	24.7	26.5	26.7	27.2	33.2	66.0
MANIFOLD	6.3	4.8	3.7	2.8	2.3	2.0	1.9	1.8	1.5	0.7
SPEED POINT 2000.0										
LOAD POINT	-34.5	2.0	11.8	21.7	31.6	41.4	51.3	61.1	71.0	80.9
EMISSION RATE	1.3	0.1	0.6	1.1	1.1	0.7	0.5	0.3	0.3	0.4
THROTTLE	3.2	3.2	5.0	6.5	7.4	8.1	8.9	9.8	11.2	13.0
MANIFOLD	20.7	20.7	18.4	16.3	14.4	12.6	10.9	9.4	8.0	6.8
LOAD POINT	90.7	100.6	110.5	120.3	130.2	140.0	149.9	159.8	169.6	179.5
EMISSION RATE	0.6	1.4	3.9	12.3	39.9	117.6	284.2	511.5	620.7	528.2
THROTTLE	15.3	17.9	20.4	22.5	23.9	24.7	25.8	28.9	37.9	66.5
MANIFOLD	5.7	4.8	4.1	3.6	3.3	3.0	2.7	2.4	1.8	0.7
SPEED POINT 2500.0										
LOAD POINT	-47.2	2.0	12.0	21.9	31.9	41.9	51.8	61.8	71.7	81.7
EMISSION RATE	1.3	0.1	0.3	0.4	0.5	0.5	0.5	0.6	0.8	1.2
THROTTLE	5.6	5.6	7.9	9.4	10.2	10.7	11.2	12.1	13.6	15.6
MANIFOLD	18.8	18.8	15.9	14.1	12.9	12.0	11.1	10.1	9.1	7.9
LOAD POINT	91.7	101.6	111.6	121.6	131.5	141.5	151.5	161.4	171.4	181.3
EMISSION RATE	2.2	4.8	12.3	35.2	104.2	289.6	670.7	682.2	682.2	559.9
THROTTLE	18.1	20.9	23.8	26.1	27.7	28.7	29.8	32.8	41.4	67.0
MANIFOLD	6.7	5.5	4.5	3.8	3.3	3.0	2.9	2.7	2.0	0.5
SPEED POINT 3000.0										
LOAD POINT	-60.0	1.0	10.5	20.0	29.5	39.0	48.5	58.0	67.5	77.0
EMISSION RATE	1.3	0.6	1.2	1.3	1.2	0.9	0.7	0.6	0.6	0.7
THROTTLE	8.1	8.1	8.7	9.7	10.9	12.1	13.3	14.6	16.2	18.1
MANIFOLD	16.7	16.7	14.9	13.8	12.9	12.1	11.2	10.2	9.1	7.9
LOAD POINT	86.6	96.1	105.6	115.1	124.6	134.1	143.6	153.1	162.6	172.1
EMISSION RATE	1.3	2.7	7.5	24.9	89.1	305.7	825.7	825.7	825.7	621.0
THROTTLE	20.6	23.4	26.3	29.1	31.1	32.2	33.1	35.2	42.6	67.0
MANIFOLD	6.6	5.5	4.5	3.8	3.3	3.1	3.0	2.8	2.2	1.0
SPEED POINT 3300.0										
LOAD POINT	-67.7	1.0	9.7	18.4	27.2	35.9	44.6	53.3	62.0	70.8
EMISSION RATE	1.3	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.3	0.5
THROTTLE	8.0	8.0	9.2	10.1	10.8	11.6	12.8	14.5	16.8	19.7
MANIFOLD	17.0	17.0	15.3	14.2	13.4	12.7	11.8	10.7	9.5	8.2
LOAD POINT	79.5	88.2	96.9	105.7	114.4	123.1	131.8	140.5	149.3	158.0
EMISSION RATE	1.0	2.9	9.7	36.7	141.4	487.0	892.9	892.9	892.9	643.3
THROTTLE	23.0	26.4	29.5	31.7	33.0	33.7	34.5	37.2	45.1	67.0
MANIFOLD	6.8	5.5	4.5	3.7	3.2	3.1	3.1	3.1	2.7	1.5
SPEED POINT 3600.0										
LOAD POINT	-75.3	2.0	10.2	18.3	26.5	34.7	42.9	51.1	59.2	67.4
EMISSION RATE	1.3	0.4	0.5	0.6	0.5	0.5	0.4	0.4	0.5	0.8
THROTTLE	10.0	10.0	11.1	12.3	13.4	14.5	15.6	17.1	19.0	21.4
MANIFOLD	14.8	14.8	13.5	12.7	12.2	11.7	11.1	10.3	9.2	8.1
LOAD POINT	75.6	83.8	92.0	100.2	108.3	116.5	124.7	132.9	141.1	149.2

EMISSION RATE	1.5	3.4	10.2	35.5	134.5	485.7	927.8	927.8	927.8	638.6
THROTTLE	24.3	27.5	30.5	32.7	33.8	33.8	33.5	34.9	42.0	67.0
MANIFOLD	6.9	5.8	4.8	4.1	3.7	3.5	3.4	3.3	2.8	1.5
*ENGINE	H7CJL7		RPM		TORQUE		G/HR			
1977 CHRYS	225.0	ENGINE	HC	MAP	CATALYTIC		CONVERTER			
DATA	3.400	4.125	6.	650.	3600.	.0800	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	18.7	19.3	20.0	20.6	21.2	21.9	22.5	23.1	23.7
EMISSION RATE	19.1	19.1	12.5	6.8	5.2	5.2	5.2	5.2	5.2	5.2
THROTTLE	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MANIFOLD	17.9	17.9	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
LOAD POINT	24.4	25.0	25.6	26.3	26.9	27.5	28.1	28.8	29.4	30.0
EMISSION RATE	5.2	5.2	5.2	5.2	5.2	5.2	9.5	15.7	22.6	29.1
THROTTLE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.2	17.8	17.3	16.7
SPEED POINT	750.0									
LOAD POINT	-2.6	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3
EMISSION RATE	19.1	8.7	8.7	8.7	8.6	8.5	8.4	8.2	8.0	7.7
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5
MANIFOLD	20.0	20.0	19.9	19.8	19.6	19.4	19.3	19.1	18.9	18.7
LOAD POINT	15.0	16.7	18.3	20.0	21.7	23.3	25.0	26.7	28.3	30.0
EMISSION RATE	7.5	7.2	6.8	6.5	6.0	5.6	5.1	4.6	4.1	3.5
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
MANIFOLD	18.5	18.3	18.1	17.9	17.7	17.4	17.2	17.0	16.7	16.5
SPEED POINT	1000.0									
LOAD POINT	-8.9	0.0	9.6	19.2	28.8	38.4	48.0	57.6	67.3	76.9
EMISSION RATE	19.1	8.8	4.6	3.6	3.5	3.7	3.9	3.9	3.6	3.2
THROTTLE	1.0	1.0	1.6	2.1	2.4	2.6	2.8	3.2	3.8	4.6
MANIFOLD	20.9	20.9	8.9	5.6	7.0	10.3	13.6	15.7	16.0	14.7
LOAD POINT	86.5	96.1	105.7	115.3	124.9	134.5	144.1	153.7	163.3	172.9
EMISSION RATE	2.9	2.7	2.8	3.3	4.6	7.3	12.7	22.6	35.3	39.4
THROTTLE	5.7	7.0	8.5	10.3	12.7	16.0	21.1	29.4	43.7	67.0
MANIFOLD	12.0	8.7	5.4	2.9	1.5	1.5	2.6	3.9	3.7	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.6	2.0	11.6	21.2	30.8	40.5	50.1	59.7	69.3	78.9
EMISSION RATE	19.1	11.5	25.6	35.4	34.0	25.3	16.3	10.0	6.4	4.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.9	20.9	19.9	18.9	17.7	16.4	14.9	13.3	11.7	10.0
LOAD POINT	88.5	98.2	107.8	117.4	127.0	136.6	146.2	155.9	165.5	175.1
EMISSION RATE	4.8	4.8	4.8	7.3	12.6	23.4	41.4	60.1	59.2	31.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	8.3	6.7	5.2	4.0	2.9	2.1	1.5	1.0	0.7	0.4
SPEED POINT	1700.0									
LOAD POINT	-26.8	2.0	11.7	21.5	31.2	41.0	50.7	60.5	70.2	79.9
EMISSION RATE	19.1	78.4	42.6	33.5	31.9	32.7	33.2	32.2	29.3	25.4
THROTTLE	2.5	2.5	2.4	3.1	4.4	5.9	7.3	8.4	9.4	10.6
MANIFOLD	20.6	20.6	19.8	18.7	17.3	15.6	13.8	11.9	9.9	8.0
LOAD POINT	89.7	99.4	109.2	118.9	128.7	138.4	148.2	157.9	167.6	177.4
EMISSION RATE	21.5	18.4	16.5	16.0	16.8	19.5	23.7	28.7	30.7	24.9
THROTTLE	12.2	14.6	17.8	21.5	24.7	26.5	26.7	27.2	33.2	66.0
MANIFOLD	6.3	4.8	3.7	2.8	2.3	2.0	1.9	1.8	1.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-34.5	2.0	11.8	21.7	31.6	41.4	51.3	61.1	71.0	80.9
EMISSION RATE	19.1	71.9	98.5	104.9	90.1	65.8	43.2	27.3	17.7	12.5
THROTTLE	3.2	3.2	5.0	6.5	7.4	8.1	8.9	9.8	11.2	13.0
MANIFOLD	20.7	20.7	18.4	16.3	14.4	12.6	10.9	9.4	8.0	6.8
LOAD POINT	90.7	100.6	110.5	120.3	130.2	140.0	149.9	159.8	169.6	179.5
EMISSION RATE	10.1	9.6	11.0	15.1	23.9	40.8	68.1	95.5	93.0	49.4
THROTTLE	15.3	17.9	20.4	22.5	23.9	24.7	25.8	28.9	37.9	66.5
MANIFOLD	5.7	4.8	4.1	3.6	3.3	3.0	2.7	2.4	1.8	0.7
SPEED POINT	2500.0									

LOAD POINT	-47.2	2.0	12.0	21.9	31.9	41.9	51.8	61.8	71.7	81.7
EMISSION RATE	19.1	86.2	88.4	92.0	88.9	76.5	59.0	42.0	29.2	21.1
THROTTLE	5.6	5.6	7.9	9.4	10.2	10.7	11.2	12.1	13.6	15.6
MANIFOLD	18.8	18.8	15.9	14.1	12.9	12.0	11.1	10.1	9.1	7.9
LOAD POINT	91.7	101.6	111.6	121.6	131.5	141.5	151.5	161.4	171.4	181.3
EMISSION RATE	16.9	16.1	18.3	25.8	43.2	78.9	120.1	120.1	120.1	41.2
THROTTLE	18.1	20.9	23.8	26.1	27.7	28.7	29.8	32.8	41.4	67.0
MANIFOLD	6.7	5.5	4.5	3.8	3.3	3.0	2.9	2.7	2.0	0.5
SPEED POINT	3000.0									
LOAD POINT	-60.0	1.0	10.5	20.0	29.5	39.0	48.5	58.0	67.5	77.0
EMISSION RATE	19.1	104.1	127.4	118.7	89.2	57.8	34.8	21.0	13.6	10.0
THROTTLE	8.1	8.1	8.7	9.7	10.9	12.1	13.3	14.6	16.2	18.1
MANIFOLD	16.7	16.7	14.9	13.8	12.9	12.1	11.2	10.2	9.1	7.9
LOAD POINT	86.6	96.1	105.6	115.1	124.6	134.1	143.6	153.1	162.6	172.1
EMISSION RATE	8.9	9.5	12.7	20.5	38.0	73.3	129.1	155.5	139.8	51.0
THROTTLE	20.6	23.4	26.3	29.1	31.1	32.2	33.1	35.2	42.6	67.0
MANIFOLD	6.6	5.5	4.5	3.8	3.3	3.1	3.0	2.8	2.2	1.0
SPEED POINT	3300.0									
LOAD POINT	-67.7	1.0	9.7	18.4	27.2	35.9	44.6	53.3	62.0	70.8
EMISSION RATE	19.1	113.1	142.7	142.7	108.5	65.2	35.9	19.7	11.8	8.2
THROTTLE	8.0	8.0	9.2	10.1	10.8	11.6	12.8	14.5	16.8	19.7
MANIFOLD	17.0	17.0	15.3	14.2	13.4	12.7	11.8	10.7	9.5	8.2
LOAD POINT	79.5	88.2	96.9	105.7	114.4	123.1	131.8	140.5	149.3	158.0
EMISSION RATE	7.1	7.7	10.6	18.2	36.4	76.3	142.7	142.7	142.7	59.1
THROTTLE	23.0	26.4	29.5	31.7	33.0	33.7	34.5	37.2	45.1	67.0
MANIFOLD	6.8	5.5	4.5	3.7	3.2	3.1	3.1	3.1	2.7	1.5
SPEED POINT	3600.0									
LOAD POINT	-75.3	2.0	10.2	18.3	26.5	34.7	42.9	51.1	59.2	67.4
EMISSION RATE	19.1	155.5	216.5	216.5	216.5	156.8	83.8	41.1	20.5	11.5
THROTTLE	10.0	10.0	11.1	12.3	13.4	14.5	15.6	17.1	19.0	21.4
MANIFOLD	14.8	14.8	13.5	12.7	12.2	11.7	11.1	10.3	9.2	8.1
LOAD POINT	75.6	83.8	92.0	100.2	108.3	116.5	124.7	132.9	141.1	149.2
EMISSION RATE	8.0	7.3	8.9	15.0	32.1	78.1	179.6	216.5	216.5	69.3
THROTTLE	24.3	27.5	30.5	32.7	33.8	33.8	33.5	34.9	42.0	67.0
MANIFOLD	6.9	5.8	4.8	4.1	3.7	3.5	3.4	3.3	2.8	1.5
*ENGINE		NTCJL7		RPM		TURQUE		G/HR		
1977 CHPYS	225.0	ENGINE		NOX MAP		CATALYTIC		CONVERTER		
DATA	3.400	4.125	6.	650.	3600.	.0800	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	18.7	19.3	20.0	20.6	21.2	21.9	22.5	23.1	23.7
EMISSION RATE	2.5	2.5	3.8	4.9	5.4	5.4	5.4	5.4	5.4	5.4
THROTTLE	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MANIFOLD	17.9	17.9	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
LOAD POINT	24.4	25.0	25.6	26.3	26.9	27.5	28.1	28.8	29.4	30.0
EMISSION RATE	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.0
THROTTLE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.2	17.8	17.3	16.7
SPEED POINT	750.0									
LOAD POINT	-2.6	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3
EMISSION RATE	2.5	1.8	1.7	1.6	1.6	1.7	1.9	2.2	2.6	3.0
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5
MANIFOLD	20.0	20.0	19.9	19.8	19.6	19.4	19.3	19.1	18.9	18.7
LOAD POINT	15.0	16.7	18.3	20.0	21.7	23.3	25.0	26.7	28.3	30.0
EMISSION RATE	3.5	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.8	12.1
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
MANIFOLD	18.5	18.3	18.1	17.9	17.7	17.4	17.2	17.0	16.7	16.5
SPEED POINT	1000.0									
LOAD POINT	-8.9	0.0	9.6	19.2	28.8	38.4	48.0	57.6	67.3	76.9
EMISSION RATE	2.5	1.7	2.7	5.5	13.4	32.8	67.7	106.8	128.4	126.5
THROTTLE	1.0	1.0	1.6	2.1	2.4	2.6	2.8	3.2	3.8	4.6
MANIFOLD	20.9	20.9	8.9	5.6	7.0	10.3	13.6	15.7	16.0	14.7

LOAD POINT	86.5	96.1	105.7	115.3	124.9	134.5	144.1	153.7	163.3	172.9
EMISSION RATE	114.9	108.0	113.0	130.9	153.6	157.7	125.1	77.6	53.9	111.8
THROTTLE	5.7	7.0	8.5	10.3	12.7	16.0	21.1	29.4	43.7	67.0
MANIFOLD	12.0	8.7	5.4	2.9	1.5	1.5	2.6	3.9	3.7	0.0
SPEED POINT 1300.0										
LOAD POINT	-16.6	2.0	11.6	21.2	30.8	40.5	50.1	59.7	69.3	78.9
EMISSION RATE	2.5	2.5	13.3	41.9	86.0	133.4	171.3	192.1	193.9	179.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.9	20.9	19.9	18.9	17.7	16.4	14.9	13.3	11.7	10.0
LOAD POINT	88.5	98.2	107.8	117.4	127.0	136.6	146.2	155.9	165.5	175.1
EMISSION RATE	156.8	132.0	111.5	98.6	95.3	103.2	124.3	155.4	170.8	122.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	8.3	6.7	5.2	4.0	2.9	2.1	1.5	1.0	0.7	0.4
SPEED POINT 1700.0										
LOAD POINT	-26.8	2.0	11.7	21.5	31.2	41.0	50.7	60.5	70.2	79.9
EMISSION RATE	2.5	19.3	28.5	54.1	81.4	91.7	87.5	82.5	84.6	95.5
THROTTLE	2.5	2.5	2.4	3.1	4.4	5.9	7.3	8.4	9.4	10.6
MANIFOLD	20.6	20.6	19.8	18.7	17.3	15.6	13.8	11.9	9.9	8.0
LOAD POINT	89.7	99.4	109.2	118.9	128.7	138.4	148.2	157.9	167.6	177.4
EMISSION RATE	112.4	126.1	126.2	112.1	95.8	91.8	115.8	198.7	220.9	220.3
THROTTLE	12.2	14.6	17.8	21.5	24.7	26.5	26.7	27.2	33.2	66.0
MANIFOLD	6.3	4.8	3.7	2.8	2.3	2.0	1.9	1.8	1.5	0.7
SPEED POINT 2000.0										
LOAD POINT	-34.5	2.0	11.8	21.7	31.6	41.4	51.3	61.1	71.0	80.9
EMISSION RATE	2.5	36.5	58.5	61.1	57.3	57.4	64.2	78.3	97.8	117.6
THROTTLE	3.2	3.2	5.0	6.5	7.4	8.1	8.9	9.8	11.2	13.0
MANIFOLD	20.7	20.7	18.4	16.3	14.4	12.6	10.9	9.4	8.0	6.8
LOAD POINT	90.7	100.6	110.5	120.3	130.2	140.0	149.9	159.8	169.6	179.5
EMISSION RATE	130.6	132.7	127.2	122.2	127.3	153.7	219.7	345.5	370.8	366.8
THROTTLE	15.3	17.9	20.4	22.5	23.9	24.7	25.8	28.9	37.9	66.5
MANIFOLD	5.7	4.8	4.1	3.6	3.3	3.0	2.7	2.4	1.8	0.7
SPEED POINT 2500.0										
LOAD POINT	-47.2	2.0	12.0	21.9	31.9	41.9	51.8	61.8	71.7	81.7
EMISSION RATE	2.5	21.9	25.5	28.8	41.4	70.9	120.0	170.1	188.7	170.1
THROTTLE	5.6	5.6	7.9	9.4	10.2	10.7	11.2	12.1	13.6	15.6
MANIFOLD	18.8	18.8	15.9	14.1	12.9	12.0	11.1	10.1	9.1	7.9
LOAD POINT	91.7	101.6	111.6	121.6	131.5	141.5	151.5	161.4	171.4	181.3
EMISSION RATE	140.6	123.6	130.7	173.0	267.5	407.5	496.9	434.0	333.3	522.0
THROTTLE	18.1	20.9	23.8	26.1	27.7	28.7	29.8	32.8	41.4	67.0
MANIFOLD	6.7	5.5	4.5	3.8	3.3	3.0	2.9	2.7	2.0	0.5
SPEED POINT 3000.0										
LOAD POINT	-60.0	1.0	10.5	20.0	29.5	39.0	48.5	58.0	67.5	77.0
EMISSION RATE	2.5	16.5	25.8	34.2	48.4	76.9	126.5	194.2	257.5	288.5
THROTTLE	8.1	8.1	8.7	9.7	10.9	12.1	13.3	14.6	16.2	18.1
MANIFOLD	16.7	16.7	14.9	13.8	12.9	12.1	11.2	10.2	9.1	7.9
LOAD POINT	86.6	96.1	105.6	115.1	124.6	134.1	143.6	153.1	162.6	172.1
EMISSION RATE	282.8	260.6	245.4	252.0	288.8	359.1	450.4	527.9	573.5	690.1
THROTTLE	20.6	23.4	26.3	29.1	31.1	32.2	33.1	35.2	42.6	67.0
MANIFOLD	6.6	5.5	4.5	3.8	3.3	3.1	3.0	2.8	2.2	1.0
SPEED POINT 3300.0										
LOAD POINT	-67.7	1.0	9.7	18.4	27.2	35.9	44.6	53.3	62.0	70.8
EMISSION RATE	2.5	22.2	23.9	33.6	52.8	84.5	129.9	185.0	238.6	276.6
THROTTLE	8.0	8.0	9.2	10.1	10.8	11.6	12.8	14.5	16.8	19.7
MANIFOLD	17.0	17.0	15.3	14.2	13.4	12.7	11.8	10.7	9.5	8.2
LOAD POINT	79.5	88.2	96.9	105.7	114.4	123.1	131.8	140.5	149.3	158.0
EMISSION RATE	290.0	281.2	261.9	246.9	249.6	284.7	373.9	541.6	704.5	703.8
THROTTLE	23.0	26.4	29.5	31.7	33.0	33.7	34.5	37.2	45.1	67.0
MANIFOLD	6.8	5.5	4.5	3.7	3.2	3.1	3.1	3.1	2.7	1.5
SPEED POINT 3600.0										
LOAD POINT	-75.3	2.0	10.2	18.3	26.5	34.7	42.9	51.1	59.2	67.4
EMISSION RATE	2.5	27.6	26.0	29.3	42.3	72.0	127.2	207.5	290.5	342.3

THROTTLE	10.0	10.0	11.1	12.3	13.4	14.5	15.6	17.1	19.0	21.4
MANIFOLD	14.8	14.8	13.5	12.7	12.2	11.7	11.1	10.3	9.2	8.1
LOAD POINT	75.6	83.8	92.0	100.2	108.3	116.5	124.7	132.9	141.1	149.2
EMISSION RATE	348.7	325.3	296.9	279.7	279.1	293.6	318.7	356.4	447.7	829.0
THROTTLE	24.3	27.5	30.5	32.7	33.8	33.8	33.5	34.9	42.0	67.0
MANIFOLD	6.9	5.8	4.8	4.1	3.7	3.5	3.4	3.3	2.8	1.5
*ENGINE	X7CJL7		RPM		TORQUE		G/HR(*.1)			
1977 CHRYSLER	225.0	ENGINE	RAW CO	MAP	CATALYTIC		CONVERTER			
DATA	3.400	4.125	6.	650.	3600.	.0800	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	18.7	19.3	20.0	20.6	21.2	21.9	22.5	23.1	23.7
EMISSION RATE	11.6	11.6	13.8	15.8	17.5	18.2	18.2	18.2	18.2	18.2
THROTTLE	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MANIFOLD	17.9	17.9	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
LOAD POINT	24.4	25.0	25.6	26.3	26.9	27.5	28.1	28.8	29.4	30.0
EMISSION RATE	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	16.8
THROTTLE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.2	17.8	17.3	16.7
SPEED POINT	750.0									
LOAD POINT	-2.6	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3
EMISSION RATE	11.6	13.3	13.4	13.6	13.8	14.1	14.3	14.6	14.9	15.3
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5
MANIFOLD	20.0	20.0	19.9	19.8	19.6	19.4	19.3	19.1	18.9	18.7
LOAD POINT	15.0	16.7	18.3	20.0	21.7	23.3	25.0	26.7	28.3	30.0
EMISSION RATE	15.7	16.1	16.6	17.0	17.6	18.1	18.7	19.3	19.9	20.6
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
MANIFOLD	18.5	18.3	18.1	17.9	17.7	17.4	17.2	17.0	16.7	16.5
SPEED POINT	1000.0									
LOAD POINT	-8.9	0.0	9.6	19.2	28.8	38.4	48.0	57.6	67.3	76.9
EMISSION RATE	11.6	14.8	14.1	19.3	28.0	35.2	34.9	27.0	17.2	10.0
THROTTLE	1.0	1.0	1.6	2.1	2.4	2.6	2.8	3.2	3.8	4.6
MANIFOLD	20.9	20.9	8.9	5.6	7.0	10.3	13.6	15.7	16.0	14.7
LOAD POINT	86.5	96.1	105.7	115.3	124.9	134.5	144.1	153.7	163.3	172.9
EMISSION RATE	5.9	4.1	3.8	4.8	8.9	23.1	72.8	217.8	315.9	315.9
THROTTLE	5.7	7.0	8.5	10.3	12.7	16.0	21.1	29.4	43.7	67.0
MANIFOLD	12.0	8.7	5.4	2.9	1.5	1.5	2.6	3.9	3.7	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.6	2.0	11.6	21.2	30.8	40.5	50.1	59.7	69.3	78.9
EMISSION RATE	11.6	21.4	54.0	47.4	23.0	8.8	3.5	1.7	1.1	1.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.9	20.9	19.9	18.9	17.7	16.4	14.9	13.3	11.7	10.0
LOAD POINT	88.5	98.2	107.8	117.4	127.0	136.6	146.2	155.9	165.5	175.1
EMISSION RATE	1.4	2.6	6.0	15.9	42.9	106.9	225.0	373.6	473.1	462.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	8.3	6.7	5.2	4.0	2.9	2.1	1.5	1.0	0.7	0.4
SPEED POINT	1700.0									
LOAD POINT	-26.8	2.0	11.7	21.5	31.2	41.0	50.7	60.5	70.2	79.9
EMISSION RATE	11.6	23.1	47.4	26.7	8.4	2.5	1.0	0.6	0.6	1.0
THROTTLE	2.5	2.5	2.4	3.1	4.4	5.9	7.3	8.4	9.4	10.6
MANIFOLD	20.6	20.6	19.8	18.7	17.3	15.6	13.8	11.9	9.9	8.0
LOAD POINT	89.7	99.4	109.2	118.9	128.7	138.4	148.2	157.9	167.6	177.4
EMISSION RATE	2.5	7.4	23.2	63.9	137.2	214.1	248.4	245.8	274.4	540.7
THROTTLE	12.2	14.6	17.8	21.5	24.7	26.5	26.7	27.2	33.2	66.0
MANIFOLD	6.3	4.8	3.7	2.8	2.3	2.0	1.9	1.8	1.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-34.5	2.0	11.8	21.7	31.6	41.4	51.3	61.1	71.0	80.9
EMISSION RATE	11.6	12.1	9.9	6.1	3.5	2.3	1.8	1.8	2.4	4.0
THROTTLE	3.2	3.2	5.0	6.5	7.4	8.1	8.9	9.8	11.2	13.0
MANIFOLD	20.7	20.7	18.4	16.3	14.4	12.6	10.9	9.4	8.0	6.8
LOAD POINT	90.7	100.6	110.5	120.3	130.2	140.0	149.9	159.8	169.6	179.5
EMISSION RATE	7.7	16.2	34.6	69.6	124.8	193.7	262.5	327.4	420.2	662.1

THROTTLE	15.3	17.9	20.4	22.5	23.9	24.7	25.8	28.9	37.9	66.5
MANIFOLD	5.7	4.8	4.1	3.6	3.3	3.0	2.7	2.4	1.8	0.7
SPEED POINT	2500.0									
LOAD POINT	-47.2	2.0	12.0	21.9	31.9	41.9	51.8	61.8	71.7	81.7
EMISSION RATE	11.6	8.0	19.9	20.2	13.1	7.5	4.7	3.8	4.1	5.9
THROTTLE	5.6	5.6	7.9	9.4	10.2	10.7	11.2	12.1	13.6	15.6
MANIFOLD	18.8	18.8	15.9	14.1	12.9	12.0	11.1	10.1	9.1	7.9
LOAD POINT	91.7	101.6	111.6	121.6	131.5	141.5	151.5	161.4	171.4	181.3
EMISSION RATE	10.8	23.3	53.7	119.5	235.5	386.8	519.0	589.6	630.7	760.7
THROTTLE	18.1	20.9	23.8	26.1	27.7	28.7	29.8	32.8	41.4	67.0
MANIFOLD	6.7	5.5	4.5	3.8	3.3	3.0	2.9	2.7	2.0	0.5
SPEED POINT	3000.0									
LOAD POINT	-60.0	1.0	10.5	20.0	29.5	39.0	48.5	58.0	67.5	77.0
EMISSION RATE	11.6	15.9	18.5	13.4	8.1	5.0	3.6	3.3	4.0	6.2
THROTTLE	8.1	8.1	8.7	9.7	10.9	12.1	13.3	14.6	16.2	18.1
MANIFOLD	16.7	16.7	14.9	13.8	12.9	12.1	11.2	10.2	9.1	7.9
LOAD POINT	86.6	96.1	105.6	115.1	124.6	134.1	143.6	153.1	162.6	172.1
EMISSION RATE	11.8	25.7	59.1	132.3	267.2	460.3	656.3	780.2	816.7	841.3
THROTTLE	20.6	23.4	26.3	29.1	31.1	32.2	33.1	35.2	42.6	67.0
MANIFOLD	6.6	5.5	4.5	3.8	3.3	3.1	3.0	2.8	2.2	1.0
SPEED POINT	3300.0									
LOAD POINT	-67.7	1.0	9.7	18.4	27.2	35.9	44.6	53.3	62.0	70.8
EMISSION RATE	11.6	17.8	20.6	20.0	17.6	15.3	14.5	15.2	15.2	19.1
THROTTLE	8.0	8.0	9.2	10.1	10.8	11.6	12.8	14.5	16.8	19.7
MANIFOLD	17.0	17.0	15.3	14.2	13.4	12.7	11.8	10.7	9.5	8.2
LOAD POINT	79.5	88.2	96.9	105.7	114.4	123.1	131.8	140.5	149.3	158.0
EMISSION RATE	27.6	45.0	80.8	154.0	296.9	545.3	887.4	890.4	890.4	771.6
THROTTLE	23.0	26.4	29.5	31.7	33.0	33.7	34.5	37.2	45.1	67.0
MANIFOLD	6.8	5.5	4.5	3.7	3.2	3.1	3.1	3.1	2.7	1.5
SPEED POINT	3600.0									
LOAD POINT	-75.3	2.0	10.2	18.3	26.5	34.7	42.9	51.1	59.2	67.4
EMISSION RATE	11.6	21.2	28.8	29.9	26.3	21.4	18.4	18.4	18.4	18.4
THROTTLE	10.0	10.0	11.1	12.3	13.4	14.5	15.6	17.1	19.0	21.4
MANIFOLD	14.8	14.8	13.5	12.7	12.2	11.7	11.1	10.3	9.2	8.1
LOAD POINT	75.6	83.8	92.0	100.2	108.3	116.5	124.7	132.9	141.1	149.2
EMISSION RATE	21.6	33.6	60.4	120.9	254.9	524.5	890.9	890.9	890.9	733.2
THROTTLE	24.3	27.5	30.5	32.7	33.8	33.8	33.5	34.9	42.0	67.0
MANIFOLD	6.9	5.8	4.8	4.1	3.7	3.5	3.4	3.3	2.8	1.5
*ENGINE	Y7CJL7			RPM		TORQUE		G/HR		
1977 CHRYS	225.0	ENGINE	PAW	HC	MAP	CATALYTIC	CONVERTER			
DATA	3.400	4.125	6.	650.	3600.	.0800	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	18.7	19.3	20.0	20.6	21.2	21.9	22.5	23.1	23.7
EMISSION RATE	25.6	25.6	25.4	25.2	25.1	25.0	25.0	25.0	25.0	25.1
THROTTLE	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MANIFOLD	17.9	17.9	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
LOAD POINT	24.4	25.0	25.6	26.3	26.9	27.5	28.1	28.8	29.4	30.0
EMISSION RATE	25.2	25.4	25.6	25.9	26.1	26.5	26.8	27.2	27.7	28.2
THROTTLE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.2	17.8	17.3	16.7
SPEED POINT	750.0									
LOAD POINT	-2.6	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3
EMISSION RATE	25.6	92.5	85.3	78.6	72.4	66.5	61.0	56.0	51.3	47.1
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5
MANIFOLD	20.0	20.0	19.9	19.8	19.6	19.4	19.3	19.1	18.9	18.7
LOAD POINT	15.0	16.7	18.3	20.0	21.7	23.3	25.0	26.7	28.3	30.0
EMISSION RATE	43.3	39.9	36.9	34.3	32.2	30.4	29.1	28.2	27.7	27.6
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
MANIFOLD	18.5	18.3	18.1	17.9	17.7	17.4	17.2	17.0	16.7	16.5
SPEED POINT	1000.0									
LOAD POINT	-8.9	0.0	9.6	19.2	28.8	38.4	48.0	57.6	67.3	76.9

EMISSION RATE	25.6	73.5	38.1	28.2	26.1	26.9	29.3	31.9	33.9	35.1
THROTTLE	1.0	1.0	1.6	2.1	2.4	2.6	2.8	3.2	3.8	4.6
MANIFOLD	20.9	20.9	8.9	5.6	7.0	10.3	13.6	15.7	16.0	14.7
LOAD POINT	86.5	96.1	105.7	115.3	124.9	134.5	144.1	153.7	163.3	172.9
EMISSION RATE	35.6	36.0	36.8	39.0	43.2	50.4	61.2	75.4	89.3	94.1
THROTTLE	5.7	7.0	8.5	10.3	12.7	16.0	21.1	29.4	43.7	67.0
MANIFOLD	12.0	8.7	5.4	2.9	1.5	1.5	2.6	3.9	3.7	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.6	2.0	11.6	21.2	30.8	40.5	50.1	59.7	69.3	78.9
EMISSION RATE	25.6	48.3	147.1	213.3	201.5	146.1	96.5	64.8	47.4	39.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.9	20.9	19.9	18.9	17.7	16.4	14.9	13.3	11.7	10.0
LOAD POINT	88.5	98.2	107.8	117.4	127.0	136.6	146.2	155.9	165.5	175.1
EMISSION RATE	37.3	38.9	44.8	54.3	66.5	79.7	91.0	98.1	101.6	105.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	8.3	6.7	5.2	4.0	2.9	2.1	1.5	1.0	0.7	0.4
SPEED POINT	1700.0									
LOAD POINT	-26.8	2.0	11.7	21.5	31.2	41.0	50.7	60.5	70.2	79.9
EMISSION RATE	25.6	518.7	283.9	232.1	230.4	240.7	242.1	224.7	190.8	151.3
THROTTLE	2.5	2.5	2.4	3.1	4.4	5.9	7.3	8.4	9.4	10.6
MANIFOLD	20.6	20.6	19.8	18.7	17.3	15.6	13.8	11.9	9.9	8.0
LOAD POINT	89.7	99.4	109.2	118.9	128.7	138.4	148.2	157.9	167.6	177.4
EMISSION RATE	116.3	90.8	75.3	68.9	70.7	80.5	97.1	113.0	109.3	71.0
THROTTLE	12.2	14.6	17.8	21.5	24.7	26.5	26.7	27.2	33.2	66.0
MANIFOLD	6.3	4.8	3.7	2.8	2.3	2.0	1.9	1.8	1.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-34.5	2.0	11.8	21.7	31.6	41.4	51.3	61.1	71.0	80.9
EMISSION RATE	25.6	518.3	671.0	671.0	574.0	356.3	213.0	133.0	91.3	70.9
THROTTLE	3.2	3.2	5.0	6.5	7.4	8.1	8.9	9.8	11.2	13.0
MANIFOLD	20.7	20.7	18.4	16.3	14.4	12.6	10.9	9.4	8.0	6.8
LOAD POINT	90.7	100.6	110.5	120.3	130.2	140.0	149.9	159.8	169.6	179.5
EMISSION RATE	62.7	62.5	68.7	80.4	96.6	114.3	128.3	132.2	122.2	100.2
THROTTLE	15.3	17.9	20.4	22.5	23.9	24.7	25.8	28.9	37.9	66.5
MANIFOLD	5.7	4.8	4.1	3.6	3.3	3.0	2.7	2.4	1.8	0.7
SPEED POINT	2500.0									
LOAD POINT	-47.2	2.0	12.0	21.9	31.9	41.9	51.8	61.8	71.7	81.7
EMISSION RATE	25.6	482.1	553.1	559.7	502.0	406.1	304.3	218.4	155.5	113.8
THROTTLE	5.6	5.6	7.9	9.4	10.2	10.7	11.2	12.1	13.6	15.6
MANIFOLD	18.8	18.8	15.9	14.1	12.9	12.0	11.1	10.1	9.1	7.9
LOAD POINT	91.7	101.6	111.6	121.6	131.5	141.5	151.5	161.4	171.4	181.3
EMISSION RATE	88.5	74.9	70.5	73.2	83.5	101.2	123.2	139.1	130.7	88.7
THROTTLE	18.1	20.9	23.8	26.1	27.7	28.7	29.8	32.8	41.4	67.0
MANIFOLD	6.7	5.5	4.5	3.8	3.3	3.0	2.9	2.7	2.0	0.5
SPEED POINT	3000.0									
LOAD POINT	-60.0	1.0	10.5	20.0	29.5	39.0	48.5	58.0	67.5	77.0
EMISSION RATE	25.6	796.6	858.8	723.7	512.5	326.6	199.4	123.3	81.0	58.7
THROTTLE	8.1	8.1	8.7	9.7	10.9	12.1	13.3	14.6	16.2	18.1
MANIFOLD	16.7	16.7	14.9	13.8	12.9	12.1	11.2	10.2	9.1	7.9
LOAD POINT	86.6	96.1	105.6	115.1	124.6	134.1	143.6	153.1	162.6	172.1
EMISSION RATE	48.1	46.0	48.9	59.5	79.1	109.1	145.3	170.4	157.1	98.9
THROTTLE	20.6	23.4	26.3	29.1	31.1	32.2	33.1	35.2	42.6	67.0
MANIFOLD	6.6	5.5	4.5	3.8	3.3	3.1	3.0	2.8	2.2	1.0
SPEED POINT	3300.0									
LOAD POINT	-67.7	1.0	9.7	18.4	27.2	35.9	44.6	53.3	62.0	70.8
EMISSION RATE	25.6	730.1	875.1	868.1	612.2	365.8	201.8	111.1	65.2	43.2
THROTTLE	8.0	8.0	9.2	10.1	10.8	11.6	12.8	14.5	16.8	19.7
MANIFOLD	17.0	17.0	15.3	14.2	13.4	12.7	11.8	10.7	9.5	8.2
LOAD POINT	79.5	88.2	96.9	105.7	114.4	123.1	131.8	140.5	149.3	158.0
EMISSION RATE	33.4	31.5	34.6	45.3	67.1	104.6	156.0	195.9	176.7	94.2
THROTTLE	23.0	26.4	29.5	31.7	33.0	33.7	34.5	37.2	45.1	67.0
MANIFOLD	6.8	5.5	4.5	3.7	3.2	3.1	3.1	3.1	2.7	1.5

SPEED POINT	3600.0									
LOAD POINT	-75.3	2.0	10.2	18.3	26.5	34.7	42.9	51.1	59.2	67.4
EMISSION RATE	25.6	884.11	269.01	269.01	257.3	783.4	404.5	189.3	88.4	45.2
THROTTLE	10.0	10.0	11.1	12.3	13.4	14.5	15.6	17.1	19.0	21.4
MANIFOLD	14.8	14.8	13.5	12.7	12.2	11.7	11.1	10.3	9.2	8.1
LOAD PCINT	75.6	83.8	92.0	100.2	108.3	116.5	124.7	132.9	141.1	149.2
EMISSION RATE	27.5	21.2	21.6	28.9	49.1	96.3	187.3	290.2	266.5	99.3
THROTTLE	24.3	27.5	30.5	32.7	33.8	33.8	33.5	34.9	42.0	67.0
MANIFOLD	6.9	5.8	4.8	4.1	3.7	3.5	3.4	3.3	2.8	1.5
*ENGINE		Z7CJL7		RPM		TORQUE		G/HR		
1977 CHRYS	225.0	ENGINE	RAW	NOX	MAP	CATALYTIC	CCNVERTER			
DATA	3.400	4.125	6.	650.	3600.	.0800	.7160			
SPEED POINT	650.0									
LOAD POINT	0.0	18.7	19.3	20.0	20.6	21.2	21.9	22.5	23.1	23.7
EMISSION RATE	2.5	2.5	4.1	5.5	5.7	5.7	5.7	5.7	5.7	5.7
THROTTLE	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MANIFOLD	17.9	17.9	18.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
LOAD POINT	24.4	25.0	25.6	26.3	26.9	27.5	28.1	28.8	29.4	30.0
EMISSION RATE	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	4.5
THROTTLE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2	0.0
MANIFOLD	18.5	18.5	18.5	18.5	18.5	18.5	18.2	17.8	17.3	16.7
SPEED POINT	750.0									
LOAD POINT	-2.6	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3
EMISSION RATE	2.5	1.3	1.1	1.1	1.1	1.3	1.6	1.9	2.4	3.0
THROTTLE	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5
MANIFOLD	20.0	20.0	19.9	19.8	19.6	19.4	19.3	19.1	18.9	18.7
LOAD POINT	15.0	16.7	18.3	20.0	21.7	23.3	25.0	26.7	28.3	30.0
EMISSION RATE	3.7	4.5	5.4	6.5	7.6	8.8	10.2	11.6	13.2	14.8
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
MANIFOLD	18.5	18.3	18.1	17.9	17.7	17.4	17.2	17.0	16.7	16.5
SPEED POINT	1000.0									
LOAD POINT	-8.9	0.0	9.6	19.2	28.8	38.4	48.0	57.6	67.3	76.9
EMISSION RATE	2.5	2.0	3.2	6.4	15.2	36.2	74.2	120.4	152.5	158.4
THROTTLE	1.0	1.0	1.6	2.1	2.4	2.6	2.8	3.2	3.8	4.6
MANIFOLD	20.9	20.9	8.9	5.6	7.0	10.3	13.6	15.7	16.0	14.7
LOAD POINT	86.5	96.1	105.7	115.3	124.9	134.5	144.1	153.7	163.3	172.9
EMISSION RATE	147.6	135.8	132.5	140.0	154.6	164.2	154.7	129.8	120.9	232.9
THROTTLE	5.7	7.0	8.5	10.3	12.7	16.0	21.1	29.4	43.7	67.0
MANIFOLD	12.0	8.7	5.4	2.9	1.5	1.5	2.6	3.9	3.7	0.0
SPEED POINT	1300.0									
LOAD POINT	-16.6	2.0	11.6	21.2	30.8	40.5	50.1	59.7	69.3	78.9
EMISSION RATE	2.5	2.2	17.0	46.5	83.9	129.7	178.8	213.3	215.0	187.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.9	20.9	19.9	18.9	17.7	16.4	14.9	13.3	11.7	10.0
LOAD POINT	88.5	98.2	107.8	117.4	127.0	136.6	146.2	155.9	165.5	175.1
EMISSION RATE	151.3	124.1	112.2	116.0	133.6	156.8	168.4	159.0	158.2	308.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	8.3	6.7	5.2	4.0	2.9	2.1	1.5	1.0	0.7	0.4
SPEED POINT	1700.0									
LOAD POINT	-26.8	2.0	11.7	21.5	31.2	41.0	50.7	60.5	70.2	79.9
EMISSION RATE	2.5	14.2	27.3	51.9	76.3	86.9	85.3	81.1	81.0	87.5
THROTTLE	2.5	2.5	2.4	3.1	4.4	5.9	7.3	8.4	9.4	10.6
MANIFOLD	20.6	20.6	19.8	18.7	17.3	15.6	13.8	11.9	9.9	8.0
LOAD POINT	89.7	99.4	109.2	118.9	128.7	138.4	148.2	157.9	167.6	177.4
EMISSION RATE	100.3	116.8	133.1	147.1	162.9	193.5	263.3	403.9	432.6	384.6
THROTTLE	12.2	14.6	17.8	21.5	24.7	26.5	26.7	27.2	33.2	66.0
MANIFOLD	6.3	4.8	3.7	2.8	2.3	2.0	1.9	1.8	1.5	0.7
SPEED POINT	2000.0									
LOAD POINT	-34.5	2.0	11.8	21.7	31.6	41.4	51.3	61.1	71.0	80.9
EMISSION RATE	2.5	29.0	44.7	43.8	43.7	50.5	64.5	83.0	100.1	111.0
THROTTLE	3.2	3.2	5.0	6.5	7.4	8.1	8.9	9.8	11.2	13.0



MANIFOLD	20.7	20.7	18.4	16.3	14.4	12.6	10.9	9.4	8.0	6.8
LOAD POINT	90.7	100.6	110.5	120.3	130.2	140.0	149.9	159.8	169.6	179.5
EMISSION RATE	116.8	124.0	141.1	176.9	237.9	316.6	376.2	377.6	360.1	525.0
THROTTLE	15.3	17.9	20.4	22.5	23.9	24.7	25.8	28.9	37.9	66.5
MANIFOLD	5.7	4.8	4.1	3.6	3.3	3.0	2.7	2.4	1.8	0.7
SPEED POINT 2500.0										
LOAD POINT	-47.2	2.0	12.0	21.9	31.9	41.9	51.8	61.8	71.7	81.7
EMISSION RATE	2.5	17.5	19.6	25.0	37.9	62.9	101.9	147.7	184.6	201.8
THROTTLE	5.6	5.6	7.9	9.4	10.2	10.7	11.2	12.1	13.6	15.6
MANIFOLD	18.8	18.8	15.9	14.1	12.9	12.0	11.1	10.1	9.1	7.9
LOAD POINT	91.7	101.6	111.6	121.6	131.5	141.5	151.5	161.4	171.4	181.3
EMISSION RATE	204.1	204.8	216.7	248.3	302.4	368.5	417.3	426.7	439.7	672.7
THROTTLE	18.1	20.9	23.8	26.1	27.7	28.7	29.8	32.8	41.4	67.0
MANIFOLD	6.7	5.5	4.5	3.8	3.3	3.0	2.9	2.7	2.0	0.5
SPEED POINT 3000.0										
LOAD POINT	-60.0	1.0	10.5	20.0	29.5	39.0	48.5	58.0	67.5	77.0
EMISSION RATE	2.5	11.0	18.1	27.1	42.5	70.6	117.0	180.6	246.3	291.4
THROTTLE	8.1	8.1	8.7	9.7	10.9	12.1	13.3	14.6	16.2	18.1
MANIFOLD	16.7	16.7	14.9	13.8	12.9	12.1	11.2	10.2	9.1	7.9
LOAD POINT	86.6	96.1	105.6	115.1	124.6	134.1	143.6	153.1	162.6	172.1
EMISSION RATE	304.0	292.6	276.0	270.6	287.6	335.9	421.5	540.0	663.1	750.5
THROTTLE	20.6	23.4	26.3	29.1	31.1	32.2	33.1	35.2	42.6	67.0
MANIFOLD	6.6	5.5	4.5	3.8	3.3	3.1	3.0	2.8	2.2	1.0
SPEED POINT 3300.0										
LOAD POINT	-67.7	1.0	9.7	18.4	27.2	35.9	44.6	53.3	62.0	70.8
EMISSION RATE	2.5	17.3	20.3	31.7	52.1	82.5	122.8	172.1	226.7	277.2
THROTTLE	8.0	8.0	9.2	10.1	10.8	11.6	12.8	14.5	16.8	19.7
MANIFOLD	17.0	17.0	15.3	14.2	13.4	12.7	11.8	10.7	9.5	8.2
LOAD POINT	79.5	88.2	96.9	105.7	114.4	123.1	131.8	140.5	149.3	158.0
EMISSION RATE	310.6	316.9	299.2	273.8	261.4	284.0	373.0	576.1	702.6	700.7
THROTTLE	23.0	26.4	29.5	31.7	33.0	33.7	34.5	37.2	45.1	67.0
MANIFOLD	6.8	5.5	4.5	3.7	3.2	3.1	3.1	3.1	2.7	1.5
SPEED POINT 3600.0										
LOAD POINT	-75.3	2.0	10.2	18.3	26.5	34.7	42.9	51.1	59.2	67.4
EMISSION RATE	2.5	19.8	22.9	27.5	40.5	70.1	126.4	209.4	294.2	343.1
THROTTLE	10.0	10.0	11.1	12.3	13.4	14.5	15.6	17.1	19.0	21.4
MANIFOLD	14.8	14.8	13.5	12.7	12.2	11.7	11.1	10.3	9.2	8.1
LOAD POINT	75.6	83.8	92.0	100.2	108.3	116.5	124.7	132.9	141.1	149.2
EMISSION RATE	343.4	315.8	288.0	276.2	284.7	309.5	340.7	374.0	449.6	825.6
THROTTLE	24.3	27.5	30.5	32.7	33.8	33.8	33.5	34.9	42.0	67.0
MANIFOLD	6.9	5.8	4.8	4.1	3.7	3.5	3.4	3.3	2.8	1.5

C.2 1977 CHRYSLER 318 CID (5.21 LITER), 2 BBL

*ENGINE 1977 CHRYSLER DATA 2 BBL	F7C0C7 ENGINE 318.0 3.910	FUEL 3.310	RPM MAP 8. 800.	TORQUE CATALYTIC 4000. .1000	LB/HR CONVERTER .7161						
SPEED POINT	600.0										
LOAD POINT	0.0	39.7	39.8	39.9	40.0	40.1	40.2	40.2	40.3	40.4	
FUEL RATE	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
LOAD POINT	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	
FUEL RATE	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SPEED POINT	800.0										
LOAD POINT	-4.3	1.0	3.3	5.5	7.8	10.0	12.3	14.5	16.8	19.0	
FUEL RATE	4.9	4.8	5.5	6.0	6.3	6.4	6.4	6.3	6.2	6.0	6.0
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MANIFOLD	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.7	16.6	16.5	16.5
LOAD POINT	21.3	23.5	25.8	28.1	30.3	32.6	34.8	37.1	39.3	41.6	
FUEL RATE	5.9	5.8	5.7	5.7	5.7	5.8	5.9	6.1	6.3	6.4	6.4
THROTTLE	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.1	16.0	16.0	16.0
SPEED POINT	1000.0										
LOAD POINT	-8.7	1.0	12.9	24.8	36.7	48.5	60.4	72.3	84.2	96.1	
FUEL RATE	4.9	6.4	6.0	6.2	6.6	7.4	8.2	9.1	10.0	10.9	10.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.4	19.4	18.4	17.9	17.6	17.2	16.6	15.7	14.5	13.1	13.1
LOAD POINT	107.9	119.8	131.7	143.6	155.5	167.3	179.2	191.1	203.0	214.9	214.9
FUEL RATE	11.7	12.5	13.2	14.0	14.9	15.9	17.3	19.1	21.6	24.8	24.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	9.9	8.3	6.8	5.5	4.4	3.5	2.6	1.5	0.0	0.0
SPEED POINT	1300.0										
LOAD POINT	-15.2	21.6	33.5	45.4	57.2	69.1	81.0	92.8	104.7	116.6	116.6
FUEL RATE	4.9	7.9	7.9	8.4	9.3	10.5	12.0	13.5	15.1	16.6	16.6
THROTTLE	2.0	2.0	3.6	3.9	3.9	4.4	5.8	8.1	10.9	13.1	13.1
MANIFOLD	18.4	18.4	18.2	17.9	17.3	16.3	14.9	13.1	11.0	8.9	8.9
LOAD POINT	128.5	140.3	152.2	164.1	175.9	187.8	199.7	211.5	223.4	235.3	235.3
FUEL RATE	18.0	19.4	20.7	22.0	23.2	24.4	25.8	27.3	29.1	31.4	31.4
THROTTLE	13.6	12.5	11.2	10.9	13.3	22.0	48.6	75.0	75.0	75.0	75.0
MANIFOLD	6.9	5.1	3.7	2.8	2.4	2.4	2.6	2.6	2.0	0.0	0.0
SPEED POINT	1600.0										
LOAD POINT	-21.7	0.6	13.6	26.6	39.6	52.6	65.6	78.6	91.6	104.6	104.6
FUEL RATE	4.9	7.6	7.9	8.6	9.8	11.3	13.0	14.8	16.8	18.7	18.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	21.5	21.5	20.4	19.7	18.9	17.8	16.3	14.4	12.2	9.8	9.8
LOAD POINT	117.6	130.6	143.6	156.6	169.6	182.5	195.5	208.5	221.5	234.5	234.5
FUEL RATE	20.7	22.6	24.5	26.3	28.1	29.8	31.6	33.3	35.2	37.2	37.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.5	5.4	3.7	2.6	2.0	2.0	2.3	2.5	2.0	0.0	0.0
SPEED POINT	2000.0										
LOAD POINT	-30.4	0.6	13.5	26.3	39.1	52.0	64.8	77.7	90.5	103.4	103.4
FUEL RATE	4.9	9.2	9.7	10.9	12.7	14.8	17.2	19.7	22.2	24.6	24.6
THROTTLE	2.0	2.0	3.7	4.2	4.5	5.4	7.8	13.2	23.2	38.3	38.3
MANIFOLD	21.4	21.4	21.0	20.0	18.7	17.0	15.1	13.0	10.8	8.8	8.8
LOAD POINT	116.2	129.0	141.9	154.7	167.6	180.4	193.3	206.1	219.0	231.8	231.8
FUEL RATE	26.9	29.1	31.1	33.0	34.9	36.8	38.9	41.2	43.9	47.2	47.2
THROTTLE	54.4	63.1	59.5	47.9	36.0	28.4	26.4	31.2	46.6	76.4	76.4
MANIFOLD	7.0	5.6	4.5	3.8	3.5	3.4	3.3	3.0	2.1	0.0	0.0
SPEED POINT	2500.0										
LOAD POINT	-41.3	1.5	14.0	26.5	39.0	51.5	64.1	76.6	89.1	101.6	101.6
FUEL RATE	4.9	11.7	13.2	15.1	17.3	19.7	22.3	25.1	27.8	30.6	30.6
THROTTLE	7.4	7.4	9.1	10.5	11.7	12.9	14.3	16.0	18.3	21.1	21.1

MANIFOLD	21.3	21.3	20.1	18.8	17.4	15.8	14.1	12.4	10.6	8.9
LOAD POINT	114.1	126.6	139.1	151.6	164.1	176.6	189.1	201.7	214.2	226.7
FUEL RATE	33.4	36.1	38.9	41.6	44.2	46.9	49.6	52.4	55.4	58.5
THROTTLE	24.3	27.8	31.3	34.2	36.4	38.0	39.7	43.2	51.9	75.0
MANIFOLO	7.3	6.0	4.9	4.1	3.6	3.4	3.2	3.0	2.3	1.0
SPEED POINT 3000.0										
LOAD POINT	-52.2	1.7	13.6	25.6	37.6	49.5	61.5	73.5	85.4	97.4
FUEL RATE	4.9	15.0	17.0	19.0	21.3	23.6	26.2	29.0	31.9	35.0
THROTTLE	9.5	9.5	10.9	12.4	13.8	15.1	16.5	18.1	20.1	22.6
MANIFOLO	21.0	21.0	19.0	17.6	16.6	15.5	14.4	13.1	11.7	10.2
LOAD POINT	109.4	121.3	133.3	145.3	157.2	169.2	181.2	193.1	205.1	217.1
FUEL RATE	38.2	41.6	45.0	48.6	52.1	55.6	59.0	62.3	65.4	68.1
THROTTLE	25.8	29.5	33.4	37.0	39.7	41.4	42.6	45.2	53.5	75.0
MANIFOLO	3.6	7.1	5.9	4.8	4.1	3.7	3.5	3.3	2.8	2.0
SPEED POINT 3500.0										
LOAD POINT	-63.0	1.6	12.4	23.3	34.1	45.0	55.8	66.7	77.5	88.4
FUEL RATE	4.9	19.4	21.1	23.0	25.2	27.6	30.3	33.2	36.3	39.7
THROTTLE	11.7	11.7	14.4	15.7	16.3	16.9	17.8	19.4	21.8	24.9
MANIFOLD	19.8	19.8	18.2	17.3	16.5	15.7	14.7	13.4	11.9	10.2
LOAD POINT	99.2	110.1	120.9	131.8	142.6	153.5	164.3	175.2	186.0	196.9
FUEL RATE	43.3	47.0	50.8	54.7	58.6	62.4	66.1	69.5	72.6	75.2
THROTTLE	28.5	32.4	36.1	39.2	41.3	42.9	44.7	48.2	56.2	75.0
MANIFOLO	8.5	7.0	5.7	4.8	4.2	4.1	4.1	4.2	3.8	2.5
SPEED POINT 4000.0										
LOAD POINT	-73.9	2.4	12.0	21.6	31.2	40.8	50.4	59.9	69.5	79.1
FUEL RATE	4.9	23.5	24.9	26.7	28.9	31.5	34.4	37.5	40.8	44.3
THROTTLE	14.0	14.0	15.3	16.8	18.2	19.5	20.8	22.3	24.2	26.6
MANIFOLO	18.3	18.3	17.2	16.4	15.8	15.0	14.1	12.9	11.6	10.2
LOAD POINT	88.7	98.3	107.9	117.5	127.1	136.7	146.3	155.8	165.4	175.0
FUEL RATE	48.0	51.7	55.5	59.3	63.1	66.8	70.4	73.9	77.3	80.5
THROTTLE	29.7	33.3	37.1	40.7	43.5	45.3	46.5	48.5	55.0	75.0
MANIFOLO	8.8	7.5	6.4	5.6	5.0	4.6	4.4	4.1	3.4	2.0
*ENGINE		C7COC7		RPM		TORQUE		G/HR(*.1)		
1977 CHRYSLER	318.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	3.910	3.310	8.	800.	4000.	.1000	.7161			
SPEED POINT 600.0										
LOAD POINT	0.0	39.7	39.8	39.9	40.0	40.1	40.2	40.2	40.3	40.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
LOAD POINT	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SPEED POINT 800.0										
LOAD POINT	-4.3	1.0	3.3	5.5	7.8	10.0	12.3	14.5	16.8	19.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MANIFOLD	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.7	16.6	16.5
LOAD POINT	21.3	23.5	25.8	28.1	30.3	32.6	34.8	37.1	39.3	41.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.1	16.0	16.0
SPEED POINT 1000.0										
LOAD POINT	-8.7	1.0	12.5	24.8	36.7	48.5	60.4	72.3	84.2	96.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLO	19.4	19.4	18.4	17.9	17.6	17.2	16.6	15.7	14.5	13.1
LOAD POINT	107.9	119.8	131.7	143.6	155.5	167.3	179.2	191.1	203.0	214.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MANIFOLD	11.5	9.9	8.3	6.8	5.5	4.4	3.5	2.6	1.5	0.0
SPEED POINT	1300.0									
LOAD POINT	-15.2	21.6	33.5	45.4	57.2	69.1	81.0	92.8	104.7	116.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	2.0	2.0	3.6	3.9	3.9	4.4	5.8	8.1	10.9	13.1
MANIFOLD	18.4	18.4	18.2	17.9	17.3	16.3	14.9	13.1	11.0	8.9
LOAD POINT	128.5	140.3	152.2	164.1	175.9	187.8	199.7	211.5	223.4	235.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	13.6	12.5	11.2	10.9	13.3	22.0	48.6	75.0	75.0	75.0
MANIFOLD	6.9	5.1	3.7	2.8	2.4	2.4	2.6	2.6	2.0	0.0
SPEED POINT	1600.0									
LOAD POINT	-21.7	0.6	13.6	26.6	39.6	52.6	65.6	78.6	91.6	104.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	21.5	21.5	20.4	19.7	18.9	17.8	16.3	14.4	12.2	9.8
LOAD POINT	117.6	130.6	143.6	156.6	169.6	182.5	195.5	208.5	221.5	234.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.5	5.4	3.7	2.6	2.0	2.0	2.3	2.5	2.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-30.4	0.6	13.5	26.3	39.1	52.0	64.8	77.7	90.5	103.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	2.0	2.0	3.7	4.2	4.5	5.4	7.8	13.2	23.2	38.3
MANIFOLD	21.4	21.4	21.0	20.0	18.7	17.0	15.1	13.0	10.8	8.8
LOAD POINT	116.2	129.0	141.9	154.7	167.6	180.4	193.3	206.1	219.0	231.8
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	54.4	53.1	59.5	47.9	36.0	28.4	26.4	31.2	46.6	76.4
MANIFOLD	7.0	5.6	4.5	3.6	3.5	3.4	3.3	3.0	2.1	0.0
SPEED POINT	2500.0									
LOAD POINT	-41.3	1.5	14.0	26.5	39.0	51.5	64.1	76.6	89.1	101.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	7.4	7.4	9.1	10.5	11.7	12.9	14.3	16.0	18.3	21.1
MANIFOLD	21.3	21.3	20.1	18.8	17.4	15.8	14.1	12.4	10.6	8.9
LOAD POINT	114.1	126.6	139.1	151.6	164.1	176.6	189.1	201.7	214.2	226.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.3	27.8	31.3	34.2	36.4	38.0	39.7	43.2	51.9	75.0
MANIFOLD	7.3	6.0	4.9	4.1	3.6	3.4	3.2	3.0	2.3	1.0
SPEED POINT	3000.0									
LOAD POINT	-52.2	1.7	13.6	25.6	37.6	49.5	61.5	73.5	85.4	97.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	9.5	9.5	10.9	12.4	13.8	15.1	16.5	18.1	20.1	22.6
MANIFOLD	21.0	21.0	19.0	17.6	16.6	15.5	14.4	13.1	11.7	10.2
LOAD POINT	109.4	121.3	133.3	145.3	157.2	169.2	181.2	193.1	205.1	217.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	25.8	29.5	33.4	37.0	39.7	41.4	42.6	45.2	53.5	75.0
MANIFOLD	8.6	7.1	5.9	4.8	4.1	3.7	3.5	3.3	2.8	2.0
SPEED POINT	3500.0									
LOAD POINT	-63.0	1.6	12.4	23.3	34.1	45.0	55.8	66.7	77.5	88.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	11.7	11.7	14.4	15.7	16.3	16.9	17.8	19.4	21.8	24.9
MANIFOLD	19.8	19.8	18.2	17.3	16.5	15.7	14.7	13.4	11.9	10.2
LOAD POINT	99.2	110.1	120.9	131.8	142.6	153.5	164.3	175.2	186.0	196.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	28.5	32.4	36.1	39.2	41.3	42.9	44.7	48.2	56.2	75.0
MANIFOLD	8.5	7.0	5.7	4.8	4.2	4.1	4.1	4.2	3.8	2.5
SPEED POINT	4000.0									
LOAD POINT	-73.9	2.4	12.0	21.6	31.2	40.8	50.4	59.9	69.5	79.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	14.0	14.0	15.3	16.8	18.2	19.5	20.8	22.3	24.2	26.6
MANIFOLD	18.3	18.3	17.2	16.4	15.8	15.0	14.1	12.9	11.6	10.2
LOAD POINT	88.7	98.3	107.9	117.5	127.1	136.7	146.3	155.8	165.4	175.0

EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	29.7	33.3	37.1	40.7	43.5	45.3	46.5	48.5	55.0	75.0
MANIFOLD	8.8	7.5	6.4	5.6	5.0	4.6	4.4	4.1	3.4	2.0
*ENGINE	H7C0C7		RPM			TORQUE G/HR				
1977 CHRYSLER	318.0	ENGINE	HC	MAP	CATALYTIC		CONVERTER			
DATA	3.910	3.310	8.	800.	4000.	.1000	.7161			
SPEED POINT	600.0									
LOAD POINT	0.0	39.7	39.8	39.9	40.0	40.1	40.2	40.2	40.3	40.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
LOAD POINT	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-4.3	1.0	3.3	5.5	7.8	10.0	12.3	14.5	16.8	19.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MANIFOLD	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.7	16.6	16.5
LOAD POINT	21.3	23.5	25.8	28.1	30.3	32.6	34.8	37.1	39.3	41.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.1	16.0	16.0
SPEED POINT	1000.0									
LOAD POINT	-8.7	1.0	12.9	24.8	36.7	48.5	60.4	72.3	84.2	96.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.4	19.4	18.4	17.9	17.6	17.2	16.6	15.7	14.5	13.1
LOAD POINT	107.9	119.8	131.7	143.6	155.5	167.3	179.2	191.1	203.0	214.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	9.9	8.3	6.8	5.5	4.4	3.5	2.6	1.5	0.0
SPEED POINT	1300.0									
LOAD POINT	-15.2	21.6	33.5	45.4	57.2	69.1	81.0	92.8	104.7	116.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	2.0	2.0	3.6	3.9	3.9	4.4	5.8	8.1	10.9	13.1
MANIFOLD	18.4	18.4	18.2	17.9	17.3	16.3	14.9	13.1	11.0	8.9
LOAD POINT	128.5	140.3	152.2	164.1	175.9	187.8	199.7	211.5	223.4	235.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	13.6	12.5	11.2	10.9	13.3	22.0	48.6	75.0	75.0	75.0
MANIFOLD	6.9	5.1	3.7	2.8	2.4	2.4	2.6	2.6	2.0	0.0
SPEED POINT	1600.0									
LOAD POINT	-21.7	0.6	13.6	26.6	39.6	52.6	65.6	78.6	91.6	104.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	21.5	21.5	20.4	19.7	18.9	17.8	16.3	14.4	12.2	9.8
LOAD POINT	117.6	130.6	143.6	156.6	169.6	182.5	195.5	208.5	221.5	234.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.5	5.4	3.7	2.6	2.0	2.0	2.3	2.5	2.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-30.4	0.6	13.5	26.3	39.1	52.0	64.8	77.7	90.5	103.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	2.0	2.0	3.7	4.2	4.5	5.4	7.8	13.2	23.2	38.3
MANIFOLD	21.4	21.4	21.0	20.0	18.7	17.0	15.1	13.0	10.8	8.8
LOAD POINT	116.2	129.0	141.9	154.7	167.6	180.4	193.3	206.1	219.0	231.8
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	54.4	63.1	59.5	47.9	36.0	28.4	26.4	31.2	46.6	76.4
MANIFOLD	7.0	5.6	4.5	3.8	3.5	3.4	3.3	3.0	2.1	0.0
SPEED POINT	2500.0									

LOAD POINT	-41.3	1.5	14.0	26.5	39.0	51.5	64.1	76.6	89.1	101.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	7.4	7.4	9.1	10.5	11.7	12.9	14.3	16.0	18.3	21.1
MANIFOLD	21.3	21.3	20.1	18.8	17.4	15.8	14.1	12.4	10.6	8.9
LOAD POINT	114.1	126.6	139.1	151.6	164.1	176.6	189.1	201.7	214.2	226.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.3	27.8	31.3	34.2	36.4	38.0	39.7	43.2	51.9	75.0
MANIFOLD	7.3	6.0	4.9	4.1	3.6	3.4	3.2	3.0	2.3	1.0
SPEED POINT	3000.0									
LOAD POINT	-52.2	1.7	13.6	25.6	37.6	49.5	61.5	73.5	85.4	97.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	9.5	9.5	10.9	12.4	13.8	15.1	16.5	18.1	20.1	22.6
MANIFOLD	21.0	21.0	19.0	17.6	16.6	15.5	14.4	13.1	11.7	10.2
LOAD POINT	109.4	121.3	133.3	145.3	157.2	169.2	181.2	193.1	205.1	217.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	25.8	29.5	33.4	37.0	39.7	41.4	42.6	45.2	53.5	75.0
MANIFOLD	8.6	7.1	5.9	4.8	4.1	3.7	3.5	3.3	2.8	2.0
SPEED POINT	3500.0									
LOAD POINT	-63.0	1.6	12.4	23.3	34.1	45.0	55.8	66.7	77.5	88.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	11.7	11.7	14.4	15.7	16.3	16.9	17.8	19.4	21.8	24.9
MANIFOLD	19.8	19.8	18.2	17.3	16.5	15.7	14.7	13.4	11.9	10.2
LOAD POINT	99.2	110.1	120.9	131.8	142.6	153.5	164.3	175.2	186.0	196.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	28.5	32.4	36.1	39.2	41.3	42.9	44.7	48.2	56.2	75.0
MANIFOLD	8.5	7.0	5.7	4.8	4.2	4.1	4.1	4.2	3.8	2.5
SPEED POINT	4000.0									
LOAD POINT	-73.9	2.4	12.0	21.6	31.2	40.8	50.4	59.9	69.5	79.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	14.0	14.0	15.3	16.8	18.2	19.5	20.8	22.3	24.2	26.6
MANIFOLD	18.3	18.3	17.2	16.4	15.8	15.0	14.1	12.9	11.6	10.2
LOAD POINT	88.7	98.3	107.9	117.5	127.1	136.7	146.3	155.8	165.4	175.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	29.7	33.3	37.1	40.7	43.5	45.3	46.5	48.5	55.0	75.0
MANIFOLD	8.8	7.5	6.4	5.6	5.0	4.6	4.4	4.1	3.4	2.0
*ENGINE		NTDC7		RPM		TORQUE		G/HR		
1977 CHRYSLER	318.0	ENGINE	NGX	MAP		CATALYTIC		CONVERTER		
DATA	3.910	3.310	8.	800.	4000.	.1000	.7161			
SPEED POINT	600.0									
LOAD POINT	0.0	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
LOAD POINT	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-4.3	1.0	3.3	5.5	7.8	10.0	12.3	14.5	16.8	19.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MANIFOLD	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.7	16.6	16.5
LOAD POINT	21.3	23.5	25.8	28.1	30.3	32.6	34.8	37.1	39.3	41.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.1	16.0	16.0
SPEED POINT	1000.0									
LOAD POINT	-8.7	1.0	12.9	24.8	36.7	48.5	60.4	72.3	84.2	96.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.4	19.4	18.4	17.9	17.6	17.2	16.6	15.7	14.5	13.1

LOAD POINT	107.9	119.8	131.7	143.6	155.5	167.3	179.2	191.1	203.0	214.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	9.9	8.3	6.8	5.5	4.4	3.5	2.6	1.5	0.0
SPEED POINT 1300.0										
LOAD POINT	-15.2	21.6	33.5	45.4	57.2	69.1	81.0	92.8	104.7	116.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	2.0	2.0	3.6	3.9	3.9	4.4	5.8	8.1	10.9	13.1
MANIFOLD	18.4	18.4	18.2	17.9	17.3	16.3	14.9	13.1	11.0	8.9
LOAD POINT	128.5	140.3	152.2	164.1	175.9	187.8	199.7	211.5	223.4	235.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	13.6	12.5	11.2	10.9	13.3	22.0	48.6	75.0	75.0	75.0
MANIFOLD	6.9	5.1	3.7	2.8	2.4	2.4	2.6	2.6	2.0	0.0
SPEED POINT 1600.0										
LOAD POINT	-21.7	0.6	13.6	26.6	39.6	52.6	65.6	78.6	91.6	104.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	21.5	21.5	20.4	19.7	18.9	17.8	16.3	14.4	12.2	9.8
LOAD POINT	117.6	130.6	143.6	156.6	169.6	182.5	195.5	208.5	221.5	234.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.5	5.4	3.7	2.6	2.0	2.0	2.3	2.5	2.0	0.0
SPEED POINT 2000.0										
LOAD POINT	-30.4	0.6	13.5	26.3	39.1	52.0	64.8	77.7	90.5	103.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	2.0	2.0	3.7	4.2	4.5	5.4	7.8	13.2	23.2	38.3
MANIFOLD	21.4	21.4	21.0	20.0	18.7	17.0	15.1	13.0	10.8	8.8
LOAD POINT	116.2	129.0	141.9	154.7	167.6	180.4	193.3	206.1	219.0	231.8
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	54.4	63.1	59.5	47.9	36.0	28.4	26.4	31.2	46.6	76.4
MANIFOLD	7.0	5.6	4.5	3.8	3.5	3.4	3.3	3.0	2.1	0.0
SPEED POINT 2500.0										
LOAD POINT	-41.3	1.5	14.0	26.5	39.0	51.5	64.1	76.6	89.1	101.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	7.4	7.4	9.1	10.5	11.7	12.9	14.3	16.0	18.3	21.1
MANIFOLD	21.3	21.3	20.1	18.8	17.4	15.8	14.1	12.4	10.6	8.9
LOAD POINT	114.1	126.6	139.1	151.6	164.1	176.6	189.1	201.7	214.2	226.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.3	27.8	31.3	34.2	36.4	38.0	39.7	43.2	51.9	75.0
MANIFOLD	7.3	6.0	4.9	4.1	3.6	3.4	3.2	3.0	2.3	1.0
SPEED POINT 3000.0										
LOAD POINT	-52.2	1.7	13.6	25.6	37.6	49.5	61.5	73.5	85.4	97.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	9.5	9.5	10.9	12.4	13.8	15.1	16.5	18.1	20.1	22.6
MANIFOLD	21.0	21.0	19.0	17.6	16.6	15.5	14.4	13.1	11.7	10.2
LOAD POINT	109.4	121.3	133.3	145.3	157.2	169.2	181.2	193.1	205.1	217.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	25.8	29.5	33.4	37.0	39.7	41.4	42.6	45.2	53.5	75.0
MANIFOLD	8.6	7.1	5.9	4.8	4.1	3.7	3.5	3.3	2.8	2.0
SPEED POINT 3500.0										
LOAD POINT	-63.0	1.6	12.4	23.3	34.1	45.0	55.8	66.7	77.5	88.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	11.7	11.7	14.4	15.7	16.3	16.9	17.8	19.4	21.8	24.9
MANIFOLD	19.8	19.8	18.2	17.3	16.5	15.7	14.7	13.4	11.9	10.2
LOAD POINT	99.2	110.1	120.9	131.8	142.6	153.5	164.3	175.2	186.0	196.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	28.5	32.4	36.1	39.2	41.3	42.9	44.7	48.2	56.2	75.0
MANIFOLD	8.5	7.0	5.7	4.8	4.2	4.1	4.1	4.2	3.8	2.5
SPEED POINT 4000.0										
LOAD POINT	-73.9	2.4	12.0	21.6	31.2	40.8	50.4	59.9	69.5	79.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

THROTTLE	14.0	14.0	15.3	16.8	18.2	19.5	20.8	22.3	24.2	26.6
MANIFOLD	18.3	18.3	17.2	16.4	15.8	15.0	14.1	12.9	11.6	10.2
LOAD POINT	88.7	98.3	107.9	117.5	127.1	136.7	146.3	155.8	165.4	175.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	29.7	33.3	37.1	40.7	43.5	45.3	46.5	48.5	55.0	75.0
MANIFOLD	8.8	7.5	6.4	5.6	5.0	4.6	4.4	4.1	3.4	2.0
*ENGINE		X7COC7		RPM		TORQUE		G/HR (%.1)		
1977 CHRYSLER	318.0	ENGINE	RAW	CO	MAP	CATALYTIC	CONVERTER			
DATA	3.910	3.310	8.	800.	4000.	.1000	.7161			
SPEED POINT	600.0									
LOAD POINT	0.0	39.7	39.8	39.9	40.0	40.1	40.2	40.2	40.3	40.4
EMISSION RATE	9.2	9.2	1.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
LOAD POINT	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4
EMISSION RATE	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	6.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-4.3	1.0	3.3	5.5	7.8	10.0	12.3	14.5	16.8	19.0
EMISSION RATE	9.2	4.3	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MANIFOLD	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.7	16.6	16.5
LOAD POINT	21.3	23.5	25.8	28.1	30.3	32.6	34.8	37.1	39.3	41.6
EMISSION RATE	4.6	0.9	0.9	0.9	0.9	1.3	9.9	27.7	27.7	2.6
THROTTLE	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.1	16.0	16.0
SPEED POINT	1000.0									
LOAD POINT	-8.7	1.0	12.9	24.8	36.7	48.5	60.4	72.3	84.2	96.1
EMISSION RATE	9.2	3.2	4.8	3.2	1.5	0.8	0.5	0.5	0.7	1.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.4	19.4	18.4	17.9	17.6	17.2	16.6	15.7	14.5	13.1
LOAD POINT	107.9	119.8	131.7	143.6	155.5	167.3	179.2	191.1	203.0	214.9
EMISSION RATE	2.3	4.4	7.2	9.2	9.2	7.7	6.7	8.9	31.0	536.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	9.9	8.3	6.8	5.5	4.4	3.5	2.6	1.5	0.0
SPEED POINT	1300.0									
LOAD POINT	-15.2	21.6	33.5	45.4	57.2	69.1	81.0	92.8	104.7	116.6
EMISSION RATE	9.2	2.6	1.8	1.6	1.8	2.1	2.5	3.1	3.9	5.0
THROTTLE	2.0	2.0	3.6	3.9	3.9	4.4	5.8	8.1	10.9	13.1
MANIFOLD	18.4	18.4	18.2	17.9	17.3	16.3	14.9	13.1	11.0	8.9
LOAD POINT	128.5	140.3	152.2	164.1	175.9	187.8	199.7	211.5	223.4	235.3
EMISSION RATE	6.7	9.6	15.0	25.8	49.1	99.9	206.2	395.5	620.6	658.9
THROTTLE	13.6	12.5	11.2	10.9	13.3	22.0	48.6	75.0	75.0	75.0
MANIFOLD	6.9	5.1	3.7	2.8	2.4	2.4	2.6	2.6	2.0	0.0
SPEED POINT	1600.0									
LOAD POINT	-21.7	0.6	13.6	26.6	39.6	52.6	65.6	78.6	91.6	104.6
EMISSION RATE	9.2	2.8	2.5	2.6	3.1	4.1	5.8	8.4	12.4	18.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	21.5	21.5	20.4	19.7	18.9	17.8	16.3	14.4	12.2	9.8
LOAD POINT	117.6	130.6	143.6	156.6	169.6	182.5	195.5	208.5	221.5	234.5
EMISSION RATE	26.7	38.4	54.5	76.7	107.5	151.8	218.4	324.7	506.2	840.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.5	5.4	3.7	2.6	2.0	2.0	2.3	2.5	2.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-30.4	0.6	13.5	26.3	39.1	52.0	64.8	77.7	90.5	103.4
EMISSION RATE	9.2	3.5	4.4	6.7	10.7	16.9	25.3	34.8	44.6	53.9
THROTTLE	2.0	2.0	3.7	4.2	4.5	5.4	7.8	13.2	23.2	38.3
MANIFOLD	21.4	21.4	21.0	20.0	18.7	17.0	15.1	13.0	10.8	8.8
LOAD POINT	116.2	129.0	141.9	154.7	167.6	180.4	193.3	206.1	219.0	231.8
EMISSION RATE	63.5	75.2	92.4	120.9	170.7	259.0	411.2	645.6	916.7	1034.2



THROTTLE	54.4	63.1	59.5	47.9	36.0	28.4	26.4	31.2	46.6	76.4
MANIFOLD	7.0	5.6	4.5	3.8	3.5	3.4	3.3	3.0	2.1	0.0
SPEED POINT 2500.0										
LOAD POINT	-41.3	1.5	14.0	26.5	39.0	51.5	64.1	76.6	89.1	101.6
EMISSION RATE	7.4	3.4	8.5	18.2	29.4	34.6	30.5	21.8	14.1	9.4
THROTTLE	7.4	7.4	9.1	10.5	11.7	12.9	14.3	16.0	18.3	21.1
MANIFOLD	21.3	21.3	20.1	18.8	17.4	15.8	14.1	12.4	10.6	8.9
LOAD POINT	114.1	126.6	139.1	151.6	164.1	176.6	189.1	201.7	214.2	226.7
EMISSION RATE	7.4	7.6	11.1	23.8	72.1	273.4	1042.6	1241.0	241.0	1055.1
THROTTLE	24.3	27.8	31.3	34.2	36.4	38.0	39.7	43.2	51.9	75.0
MANIFOLD	7.3	6.0	4.9	4.1	3.6	3.4	3.2	3.0	2.3	1.0
SPEED POINT 3000.0										
LOAD POINT	-52.2	1.7	13.6	25.6	37.6	49.5	61.5	73.5	85.4	97.4
EMISSION RATE	9.2	16.4	30.4	45.6	60.2	74.4	90.4	111.0	139.7	181.0
THROTTLE	9.5	9.5	10.9	12.4	13.8	15.1	16.5	18.1	20.1	22.6
MANIFOLD	21.0	21.0	19.0	17.6	16.6	15.5	14.4	13.1	11.7	10.2
LOAD POINT	109.4	121.3	133.3	145.3	157.2	169.2	181.2	193.1	205.1	217.1
EMISSION RATE	240.1	322.7	432.5	569.3	725.3	885.8	1033.4	1158.7	1271.7	1411.3
THROTTLE	25.8	29.5	33.4	37.0	39.7	41.4	42.6	45.2	53.5	75.0
MANIFOLD	8.6	7.1	5.9	4.8	4.1	3.7	3.5	3.3	2.8	2.0
SPEED POINT 3500.0										
LOAD POINT	-63.0	1.6	12.4	23.3	34.1	45.0	55.8	66.7	77.5	88.4
EMISSION RATE	9.2	33.3	56.5	68.4	69.7	67.3	66.8	71.6	84.8	111.0
THROTTLE	11.7	11.7	14.4	15.7	16.3	16.9	17.8	19.4	21.8	24.9
MANIFOLD	19.8	19.8	18.2	17.3	16.5	15.7	14.7	13.4	11.9	10.2
LOAD POINT	99.2	110.1	120.9	131.8	142.6	153.5	164.3	175.2	186.0	196.9
EMISSION RATE	158.1	237.9	365.3	551.4	790.8	1050.2	1275.6	1425.6	1509.6	1604.7
THROTTLE	28.5	32.4	36.1	39.2	41.3	42.9	44.7	48.2	56.2	75.0
MANIFOLD	8.5	7.0	5.7	4.8	4.2	4.1	4.1	4.2	3.8	2.5
SPEED POINT 4000.0										
LOAD POINT	-73.9	2.4	12.0	21.6	31.2	40.8	50.4	59.9	69.5	79.1
EMISSION RATE	9.2	77.5	116.5	137.3	142.2	141.0	141.9	150.4	170.6	207.5
THROTTLE	14.0	14.0	15.3	16.8	18.2	19.5	20.8	22.3	24.2	26.6
MANIFOLD	18.3	18.3	17.2	16.4	15.8	15.0	14.1	12.9	11.6	10.2
LOAD POINT	88.7	98.3	107.9	117.5	127.1	136.7	146.3	155.8	165.4	175.0
EMISSION RATE	267.8	359.9	491.7	666.1	874.6	1094.2	1294.6	1456.1	1591.5	1762.7
THROTTLE	29.7	33.3	37.1	40.7	43.5	45.3	46.5	48.5	55.0	75.0
MANIFOLD	8.8	7.5	6.4	5.6	5.0	4.6	4.4	4.1	3.4	2.0
*ENGINE	Y7CDC7		RPM		TORQUE		G/HR			
1977 CHRYS	318.0	ENGINE	RAW HC	MAP	CATALYTIC	CC	VERTER			
DATA	3.910		8.	800.	4000.	.1000	.7161			
SPEED POINT 600.0										
LOAD POINT	0.0	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	
EMISSION RATE	26.6	26.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
LOAD POINT	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4
EMISSION RATE	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	24.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SPEED POINT 800.0										
LOAD POINT	-4.3	1.0	3.3	5.5	7.8	10.0	12.3	14.5	16.8	19.0
EMISSION RATE	26.6	25.4	38.7	42.2	42.2	42.2	42.2	42.2	42.2	42.2
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MANIFOLD	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.7	16.6	16.5
LOAD POINT	21.3	23.5	25.8	28.1	30.3	32.6	34.8	37.1	39.3	41.6
EMISSION RATE	13.6	5.4	5.4	5.4	5.4	6.7	22.2	42.2	42.2	9.4
THROTTLE	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.1	16.0	16.0
SPEED POINT 1000.0										
LOAD POINT	-8.7	1.0	12.9	24.8	36.7	48.5	60.4	72.3	84.2	96.1

EMISSION RATE	26.6	6.0	11.4	17.2	21.8	24.8	26.2	26.6	26.4	25.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLD	19.4	19.4	18.4	17.9	17.6	17.2	16.6	15.7	14.5	13.1
LOAD PCINT	107.9	119.8	131.7	143.6	155.5	167.3	179.2	191.1	203.0	214.9
EMISSION RATE	25.3	24.7	24.2	24.0	24.4	26.1	30.3	39.9	63.6	133.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLD	11.5	9.9	8.3	6.8	5.5	4.4	3.5	2.6	1.5	0.0
SPEED POINT	1300.0									
LOAD PCINT	-15.2	21.6	33.5	45.4	57.2	69.1	81.0	92.8	104.7	116.6
EMISSION RATE	26.6	54.6	29.9	22.8	21.4	22.4	24.6	27.0	29.1	30.6
THROTTLE	2.0	2.0	3.6	3.9	3.9	4.4	5.8	8.1	10.9	13.1
MANIFOLD	18.4	18.4	18.2	17.9	17.3	16.3	14.9	13.1	11.0	8.9
LOAD POINT	128.5	140.3	152.2	164.1	175.9	187.8	199.7	211.5	223.4	235.3
EMISSION RATE	31.5	32.3	33.0	36.1	41.0	49.6	64.0	87.3	122.0	165.7
THROTTLE	13.6	12.5	11.2	10.9	13.3	22.0	48.6	75.0	75.0	75.0
MANIFCLD	6.9	5.1	3.7	2.8	2.4	2.4	2.6	2.6	2.0	0.0
SPEED POINT	1600.0									
LOAD POINT	-21.7	0.6	13.6	26.6	39.6	52.6	65.6	78.6	91.6	104.6
EMISSION RATE	26.6	18.9	10.7	10.5	13.5	18.6	24.4	28.9	30.5	29.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	21.5	21.5	20.4	19.7	18.9	17.8	16.3	14.4	12.2	9.8
LOAD PCINT	117.6	130.6	143.6	156.6	169.6	182.5	195.5	208.5	221.5	234.5
EMISSION RATE	28.3	27.9	30.3	38.0	55.9	94.3	168.1	204.3	204.3	198.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFCLD	7.5	5.4	3.7	2.6	2.0	2.0	2.3	2.5	2.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-30.4	0.6	13.5	26.3	39.1	52.0	64.8	77.7	90.5	103.4
EMISSION RATE	26.6	9.7	7.9	9.0	12.1	17.2	23.8	30.7	36.7	40.9
THROTTLE	2.0	2.0	3.7	4.2	4.5	5.4	7.8	13.2	23.2	38.3
MANIFOLD	21.4	21.4	21.0	20.0	18.7	17.0	15.1	13.0	10.8	8.8
LOAD POINT	116.2	129.0	141.9	154.7	167.6	180.4	193.3	206.1	219.0	231.8
EMISSION RATE	43.6	46.0	49.8	56.9	70.1	93.0	129.7	179.7	225.2	221.9
THROTTLE	54.4	63.1	59.5	47.9	36.0	28.4	26.4	31.2	46.6	76.4
MANIFOLD	7.0	5.6	4.5	3.8	3.5	3.4	3.3	3.0	2.1	0.0
SPEED POINT	2500.0									
LOAD POINT	-41.3	1.5	14.0	26.5	39.0	51.5	64.1	76.6	89.1	101.6
EMISSION RATE	26.6	5.3	8.8	12.9	17.1	20.8	23.6	25.7	27.5	29.9
THROTTLE	7.4	7.4	9.1	10.5	11.7	12.9	14.3	16.0	18.3	21.1
MANIFOLD	21.3	21.3	20.1	18.8	17.4	15.8	14.1	12.4	10.6	8.9
LOAD PCINT	114.1	126.6	139.1	151.6	164.1	176.6	189.1	201.7	214.2	226.7
EMISSION RATE	33.6	39.8	50.2	67.2	94.5	135.6	189.8	221.1	221.1	209.5
THROTTLE	24.3	27.8	31.3	34.2	36.4	38.0	39.7	43.2	51.9	75.0
MANIFOLD	7.3	6.0	4.9	4.1	3.6	3.4	3.2	3.0	2.3	1.0
SPEED POINT	3000.0									
LOAD POINT	-52.2	1.7	13.6	25.6	37.6	49.5	61.5	73.5	85.4	97.4
EMISSION RATE	26.6	6.3	10.9	16.0	21.2	26.4	32.0	38.4	46.3	56.6
THROTTLE	9.5	9.5	10.9	12.4	13.8	15.1	16.5	18.1	20.1	22.6
MANIFOLD	21.0	21.0	19.0	17.6	16.6	15.5	14.4	13.1	11.7	10.2
LOAD POINT	109.4	121.3	133.3	145.3	157.2	169.2	181.2	193.1	205.1	217.1
EMISSION RATE	70.3	88.2	111.1	139.1	171.3	205.2	236.4	259.7	270.5	266.7
THROTTLE	25.8	29.5	33.4	37.0	39.7	41.4	42.6	45.2	53.5	75.0
MANIFOLD	8.6	7.1	5.9	4.8	4.1	3.7	3.5	3.3	2.8	2.0
SPEED POINT	3500.0									
LOAD POINT	-63.0	1.6	12.4	23.3	34.1	45.0	55.8	66.7	77.5	88.4
EMISSION RATE	26.6	9.5	13.2	16.1	18.3	20.0	21.8	24.3	28.1	33.8
THROTTLE	11.7	11.7	14.4	15.7	16.3	16.9	17.8	19.4	21.8	24.9
MANIFOLD	19.8	19.8	18.2	17.3	16.5	15.7	14.7	13.4	11.9	10.2
LOAD POINT	99.2	110.1	120.9	131.8	142.6	153.5	164.3	175.2	186.0	196.9
EMISSION RATE	42.5	55.5	74.6	101.7	138.1	183.1	231.6	273.0	292.5	278.1
THROTTLE	28.5	32.4	36.1	39.2	41.3	42.9	44.7	48.2	56.2	75.0
MANIFOLD	8.5	7.0	5.7	4.8	4.2	4.1	4.1	4.2	3.8	2.5

SPEED POINT	4000.0									
LOAD POINT	-73.9	2.4	12.0	21.6	31.2	40.8	50.4	59.9	69.5	79.1
EMISSION RATE	26.6	15.6	20.2	24.7	28.9	32.5	35.6	38.4	41.6	45.7
THROTTLE	14.0	14.0	15.3	16.8	18.2	19.5	20.8	22.3	24.2	26.6
MANIFOLD	18.3	18.3	17.2	16.4	15.8	15.0	14.1	12.9	11.6	10.2
LOAD POINT	88.7	98.3	107.9	117.5	127.1	136.7	146.3	155.8	165.4	175.0
EMISSION RATE	51.5	60.3	73.4	92.9	121.1	159.8	208.0	257.2	287.8	273.6
THROTTLE	29.7	33.3	37.1	40.7	43.5	45.3	46.5	48.5	55.0	75.0
MANIFOLD	8.8	7.5	6.4	5.6	5.0	4.6	4.4	4.1	3.4	2.0
*ENGINE		27CDC7		RPM		TORQUE		G/HR		
1977 CHRYS	318.0	ENGINE	RAW	NOX	MAP	CATALYTIC	CONVERTER			
DATA	3.910	3.310	8.	800.	4000.	.1000	.7161			
SPEED POINT	600.0									
LOAD POINT	0.0	39.7	39.8	39.9	40.0	40.1	40.2	40.2	40.3	40.4
EMISSION RATE	6.3	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
LOAD POINT	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4
EMISSION RATE	6.0	6.0	6.0	6.0	6.0	6.0	6.4	7.4	8.4	9.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-4.3	1.0	3.3	5.5	7.8	10.0	12.3	14.5	16.8	19.0
EMISSION RATE	6.3	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.0
THROTTLE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MANIFOLD	18.0	18.0	17.9	17.7	17.4	17.1	16.9	16.7	16.6	16.5
LOAD POINT	21.3	23.5	25.8	28.1	30.3	32.6	34.8	37.1	39.3	41.6
EMISSION RATE	7.7	9.1	17.5	17.5	17.5	17.5	17.5	17.5	17.5	16.0
THROTTLE	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.1	16.0	16.0
SPEED POINT	1000.0									
LOAD POINT	-8.7	1.0	12.9	24.8	36.7	48.5	60.4	72.3	84.2	96.1
EMISSION RATE	6.3	5.0	7.7	14.3	27.4	50.6	85.4	129.6	176.1	215.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.4	19.4	18.4	17.9	17.6	17.2	16.6	15.7	14.5	13.1
LOAD POINT	107.9	119.8	131.7	143.6	155.5	167.3	179.2	191.1	203.0	214.9
EMISSION RATE	241.2	249.7	245.4	231.5	214.2	198.4	187.2	182.6	185.4	194.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	9.9	8.3	6.8	5.5	4.4	3.5	2.6	1.5	0.0
SPEED POINT	1300.0									
LOAD POINT	-15.2	21.6	33.5	45.4	57.2	69.1	81.0	92.8	104.7	116.6
EMISSION RATE	6.3	25.5	53.0	76.2	106.8	145.3	172.5	168.6	141.2	114.5
THROTTLE	2.0	2.0	3.6	3.9	3.9	4.4	5.8	8.1	10.9	13.1
MANIFOLD	18.4	18.4	18.2	17.9	17.3	16.3	14.9	13.1	11.0	8.9
LOAD POINT	128.5	140.3	152.2	164.1	175.9	187.8	199.7	211.5	223.4	235.3
EMISSION RATE	104.6	119.6	170.2	257.2	299.4	213.5	72.0	23.8	23.8	238.0
THROTTLE	13.6	12.5	11.2	10.9	13.3	22.0	48.6	75.0	75.0	75.0
MANIFOLD	6.9	5.1	3.7	2.8	2.4	2.4	2.6	2.6	2.0	0.0
SPEED POINT	1600.0									
LOAD POINT	-21.7	0.6	13.6	26.6	39.6	52.6	65.6	78.6	91.6	104.6
EMISSION RATE	6.3	11.0	20.8	38.2	68.9	114.8	164.4	193.4	186.9	155.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	21.5	21.5	20.4	19.7	18.9	17.8	16.3	14.4	12.2	9.8
LOAD POINT	117.6	130.6	143.6	156.6	169.6	182.5	195.5	208.5	221.5	234.5
EMISSION RATE	120.2	95.4	65.0	89.9	114.2	165.5	236.3	236.3	236.3	229.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.5	5.4	3.7	2.0	2.0	2.0	2.3	2.5	2.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-30.4	0.6	13.5	26.3	39.1	52.0	64.8	77.7	90.5	103.4
EMISSION RATE	6.3	18.6	27.2	51.5	78.9	89.4	82.7	72.7	69.2	75.9
THROTTLE	2.0	2.0	3.7	4.2	4.5	5.4	7.8	13.2	23.2	38.3

MANIFOLD	21.4	21.4	21.0	20.0	18.7	17.0	15.1	13.0	10.8	8.8
LOAD POINT	116.2	129.0	141.9	154.7	167.6	180.4	193.3	206.1	219.0	231.8
EMISSION RATE	96.0	132.9	187.5	253.9	322.3	389.7	463.8	499.2	499.2	243.3
THROTTLE	54.4	63.1	59.5	47.9	36.0	28.4	26.4	31.2	46.6	76.4
MANIFOLD	7.0	5.6	4.5	3.8	3.5	3.4	3.3	3.0	2.1	0.0
SPEED POINT 2500.0										
LOAD POINT	-41.3	1.5	14.0	26.5	39.0	51.5	64.1	76.6	89.1	101.6
EMISSION RATE	6.3	24.6	35.3	37.8	45.3	63.4	92.9	126.1	148.9	155.4
THROTTLE	7.4	7.4	9.1	10.5	11.7	12.9	14.3	16.0	18.3	21.1
MANIFOLD	21.3	21.3	20.1	18.8	17.4	15.8	14.1	12.4	10.6	8.9
LOAD POINT	114.1	126.6	139.1	151.6	164.1	176.6	189.1	201.7	214.2	226.7
EMISSION RATE	154.5	161.8	192.0	260.8	375.0	446.2	446.2	366.9	259.3	416.2
THROTTLE	24.3	27.8	31.3	34.2	36.4	38.0	39.7	43.2	51.9	75.0
MANIFOLD	7.3	6.0	4.9	4.1	3.6	3.4	3.2	3.0	2.3	1.0
SPEED POINT 3000.0										
LOAD POINT	-52.2	1.7	13.6	25.6	37.6	49.5	61.5	73.5	85.4	97.4
EMISSION RATE	6.3	29.7	25.8	32.6	44.8	60.1	77.0	95.9	118.9	148.2
THROTTLE	9.5	9.5	10.9	12.4	13.8	15.1	16.5	18.1	20.1	22.6
MANIFOLD	21.0	21.0	19.0	17.6	16.6	15.5	14.4	13.1	11.7	10.2
LOAD POINT	109.4	121.3	133.3	145.3	157.2	169.2	181.2	193.1	205.1	217.1
EMISSION RATE	184.7	226.2	267.2	301.3	326.7	349.7	382.9	438.5	508.0	510.5
THROTTLE	25.8	29.5	33.4	37.0	39.7	41.4	42.6	45.2	53.5	75.0
MANIFOLD	8.6	7.1	5.9	4.8	4.1	3.7	3.5	3.3	2.8	2.0
SPEED POINT 3500.0										
LOAD POINT	-63.0	1.6	12.4	23.3	34.1	45.0	55.8	66.7	77.5	88.4
EMISSION RATE	6.3	22.2	36.5	47.1	62.9	90.6	133.4	185.4	230.9	255.6
THROTTLE	11.7	11.7	14.4	15.7	16.3	16.9	17.8	19.4	21.8	24.9
MANIFOLD	19.8	19.8	18.2	17.3	16.5	15.7	14.7	13.4	11.9	10.2
LOAD POINT	99.2	110.1	120.9	131.8	142.6	153.5	164.3	175.2	186.0	196.9
EMISSION RATE	259.7	256.0	259.3	279.1	317.8	366.2	401.1	404.1	407.2	569.8
THROTTLE	28.5	32.4	36.1	39.2	41.3	42.9	44.7	48.2	56.2	75.0
MANIFOLD	8.5	7.0	5.7	4.8	4.2	4.1	4.1	4.2	3.8	2.5
SPEED POINT 4000.0										
LOAD POINT	-73.9	2.4	12.0	21.6	31.2	40.8	50.4	59.9	69.5	79.1
EMISSION RATE	6.3	25.8	37.8	53.2	76.4	110.1	152.8	197.4	234.0	256.6
THROTTLE	14.0	14.0	15.3	16.8	18.2	19.5	20.8	22.3	24.2	26.6
MANIFOLD	18.3	18.3	17.2	16.4	15.8	15.0	14.1	12.9	11.6	10.2
LOAD POINT	88.7	98.3	107.9	117.5	127.1	136.7	146.3	155.8	165.4	175.0
EMISSION RATE	267.4	274.1	284.4	303.1	329.7	357.6	376.8	386.8	418.6	600.0
THROTTLE	29.7	33.3	37.1	40.7	43.5	45.3	46.5	48.5	55.0	75.0
MANIFOLD	8.8	7.5	6.4	5.6	5.0	4.6	4.4	4.1	3.4	2.0

C.3 1976 DODGE COLT 97.5 CID (1.6 LITER), 2 BBL

*ENGINE	F5CSP7	RPM	TORQUE		LB/HR						
1975 COLT	ENGINE	FUEL	MAP	CATALYTIC	CONVERTER						
DATA 2 BBL	3.030	3.390	4.	850.	5300.	.0050	.7190				
SPEED POINT	850.0										
LOAD POINT	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6	
FUEL RATE	2.2	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9	
THROTTLE	0.0	0.0	0.5	1.1	1.7	2.3	2.9	3.4	3.9	4.3	
MANIFOLD	13.9	13.9	13.5	13.0	12.6	12.1	11.7	11.3	10.9	10.5	
LOAD POINT	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	30.6	
FUEL RATE	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.4	
THROTTLE	4.7	5.1	5.5	5.8	6.1	6.3	6.5	6.7	6.9	7.0	
MANIFOLD	10.1	9.7	9.4	9.0	8.7	8.4	8.1	7.8	7.5	7.2	
SPEED POINT	1000.0										
LOAD POINT	-0.8	0.4	3.6	6.7	9.9	13.0	16.2	19.4	22.5	25.7	
FUEL RATE	2.2	2.6	2.6	2.8	3.1	3.4	3.7	4.0	4.2	4.4	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	11.5	11.5	14.8	15.0	13.4	11.1	9.0	7.5	6.6	6.4	
LOAD POINT	28.8	32.0	35.1	38.3	41.5	44.6	47.8	50.9	54.1	57.2	
FUEL RATE	4.6	4.7	4.7	4.8	4.8	4.9	5.0	5.3	5.7	6.1	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	6.7	7.3	7.7	7.8	7.3	6.1	4.3	2.3	0.7	0.5	
SPEED POINT	1500.0										
LOAD POINT	-3.7	0.0	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0	
FUEL RATE	2.2	3.5	3.2	3.1	3.4	3.8	4.2	4.8	5.3	5.7	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.3	16.3	17.9	17.8	16.8	15.2	13.3	11.5	9.8	8.4	
LOAD POINT	34.8	38.7	42.6	46.4	50.3	54.2	58.0	61.9	65.8	69.6	
FUEL RATE	6.2	6.5	6.8	7.0	7.2	7.4	7.7	8.2	8.8	9.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	7.2	6.4	5.7	5.1	4.6	4.0	3.2	2.3	1.2	0.0	
SPEED POINT	2000.0										
LOAD POINT	-6.5	0.0	4.2	8.5	12.7	17.0	21.2	25.4	29.7	33.9	
FUEL RATE	2.2	4.6	3.8	3.7	3.9	4.5	5.3	6.1	7.0	7.7	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.0	17.0	18.8	19.0	18.1	16.6	14.6	12.6	10.6	8.8	
LOAD POINT	38.2	42.4	46.7	50.9	55.1	59.4	63.6	67.9	72.1	76.3	
FUEL RATE	8.4	9.0	9.4	9.8	10.1	10.5	10.9	11.5	12.5	13.7	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	7.3	6.0	5.1	4.3	3.8	3.3	2.8	2.2	1.3	0.1	
SPEED POINT	2500.0										
LOAD POINT	-9.3	0.0	4.4	8.8	13.3	17.7	22.1	26.5	31.0	35.4	
FUEL RATE	2.2	5.4	5.6	5.9	6.5	7.1	7.7	8.4	9.1	9.7	
THROTTLE	10.4	10.4	11.6	12.9	14.3	15.7	17.3	19.1	21.0	23.2	
MANIFOLD	17.8	17.8	16.4	15.3	14.4	13.5	12.5	11.4	10.2	8.9	
LOAD POINT	39.8	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	79.6	
FUEL RATE	10.3	10.9	11.5	12.1	12.8	13.7	14.7	16.1	17.8	19.4	
THROTTLE	25.6	28.2	31.0	34.1	37.4	41.1	45.4	50.9	58.7	71.0	
MANIFOLD	7.6	6.4	5.3	4.4	3.7	3.2	2.8	2.3	1.6	0.2	
SPEED POINT	3000.0										
LOAD POINT	-12.1	0.0	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1	
FUEL RATE	2.2	6.5	6.7	7.1	7.8	8.6	9.5	10.3	11.2	12.0	
THROTTLE	11.7	11.7	12.6	13.4	14.5	16.3	18.8	22.1	25.8	29.6	
MANIFOLD	17.4	17.4	17.1	16.3	15.1	13.7	12.3	10.8	9.4	8.1	
LOAD POINT	40.6	45.2	49.7	54.2	58.7	63.2	67.7	72.3	76.8	81.3	
FUEL RATE	12.8	13.6	14.4	15.2	16.2	17.4	18.8	20.6	23.0	25.2	
THROTTLE	33.0	35.7	37.7	39.4	41.5	44.7	49.8	57.0	65.0	69.0	
MANIFOLD	7.0	6.0	5.2	4.5	3.9	3.2	2.6	1.9	1.0	0.0	
SPEED POINT	3600.0										
LOAD POINT	-15.5	1.4	5.9	10.3	14.7	19.2	23.6	28.1	32.5	37.0	
FUEL RATE	2.2	7.1	7.9	8.7	9.5	10.3	11.2	12.1	13.2	14.3	
THROTTLE	12.3	12.3	11.6	13.8	17.7	22.5	27.3	30.9	33.0	33.8	

MANIFOLD	17.0	17.0	17.2	16.7	15.6	14.2	12.6	11.1	9.6	8.3
LOAD POINT	41.4	45.9	50.3	54.7	59.2	63.6	68.1	72.5	77.0	81.4
FUEL RATE	15.5	16.9	18.3	19.9	21.5	23.2	24.9	26.6	28.3	29.5
THROTTLE	34.1	34.5	35.6	37.9	41.5	46.5	52.5	59.1	65.8	71.0
MANIFOLD	7.1	6.1	5.2	4.5	3.8	3.2	2.6	2.0	1.4	0.9
SPEED POINT 4000.0										
LOAD POINT	-17.8	2.4	6.6	10.9	15.1	19.3	23.5	27.8	32.0	36.2
FUEL RATE	2.2	8.0	8.9	9.8	10.7	11.7	12.8	13.9	15.0	16.3
THROTTLE	16.3	16.3	17.4	21.3	26.5	31.6	35.4	37.3	37.7	37.3
MANIFOLD	17.8	17.8	16.3	15.1	14.1	13.2	12.1	11.1	9.9	8.7
LOAD POINT	40.4	44.7	48.9	53.1	57.3	61.6	65.8	70.0	74.2	78.5
FUEL RATE	17.6	19.0	20.4	21.9	23.5	25.1	26.8	28.4	30.1	31.7
THROTTLE	37.0	37.5	39.0	41.7	45.2	49.3	53.4	57.5	62.9	71.0
MANIFOLD	7.6	6.4	5.4	4.5	3.7	3.1	2.6	2.2	1.7	1.0
SPEED POINT 4500.0										
LOAD POINT	-20.6	1.0	5.1	9.3	13.4	17.6	21.7	25.8	30.0	34.1
FUEL RATE	2.2	9.0	9.5	10.4	11.5	12.8	14.3	15.8	17.4	19.1
THROTTLE	17.8	17.8	33.2	38.5	35.7	31.3	28.3	27.3	28.4	31.3
MANIFOLD	17.7	17.7	17.2	16.1	14.8	13.4	12.0	10.6	9.3	8.2
LOAD POINT	38.3	42.4	46.5	50.7	54.8	59.0	63.1	67.2	71.4	75.5
FUEL RATE	20.7	22.3	23.9	25.4	26.9	28.3	29.6	30.8	32.0	33.1
THROTTLE	35.5	40.5	45.4	49.7	53.1	55.8	58.7	62.6	67.7	72.9
MANIFOLD	7.2	6.4	5.6	4.8	4.1	3.4	2.8	2.2	1.8	1.7
SPEED POINT 5300.0										
LOAD POINT	-25.1	1.2	4.9	8.5	12.1	15.8	19.4	23.0	26.7	30.3
FUEL RATE	2.2	10.8	12.1	13.5	14.8	16.2	17.5	18.8	20.2	21.6
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLD	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.6	41.2	44.8	48.5	52.1	55.7	59.4	63.0	66.6
FUEL RATE	23.1	24.6	26.2	27.8	29.5	31.1	32.8	34.5	36.1	37.3
THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9
*ENGINE		C5CSP7		RPM		TORQUE		G/HR(*.1)		
1975 COLT	97.5	ENGINE		CO MAP		CATALYTIC		CCNVERTER		
DATA	3.030	3.390	4.	850.	5300.	.0050	.7190			
SPEED POINT 850.0										
LOAD POINT	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.5	1.1	1.7	2.3	2.9	3.4	3.9	4.3
MANIFOLD	13.9	13.9	13.5	13.0	12.6	12.1	11.7	11.3	10.9	10.5
LOAD POINT	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	30.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	4.7	5.1	5.5	5.8	6.1	6.3	6.5	6.7	6.9	7.0
MANIFOLD	10.1	9.7	9.4	9.0	8.7	8.4	8.1	7.8	7.5	7.2
SPEED POINT 1000.0										
LOAD POINT	-0.8	0.4	3.6	6.7	9.9	13.0	16.2	19.4	22.5	25.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	11.5	14.8	15.0	13.4	11.1	9.0	7.5	6.6	6.4
LOAD POINT	28.8	32.0	35.1	38.3	41.5	44.6	47.8	50.9	54.1	57.2
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	6.7	7.3	7.7	7.8	7.3	6.1	4.3	2.3	0.7	0.5
SPEED POINT 1500.0										
LOAD POINT	-3.7	0.0	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.3	16.3	17.9	17.8	16.8	15.2	13.3	11.5	9.8	8.4
LOAD POINT	34.8	38.7	42.6	46.4	50.3	54.2	58.0	61.9	65.8	69.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MANIFOLD	7.2	6.4	5.7	5.1	4.6	4.0	3.2	2.3	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-6.5	0.0	4.2	8.5	12.7	17.0	21.2	25.4	29.7	33.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	18.6	19.0	18.1	16.6	14.6	12.6	10.6	8.8
LOAD POINT	38.2	42.4	46.7	50.9	55.1	59.4	63.6	67.9	72.1	76.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.3	6.0	5.1	4.3	3.8	3.3	2.8	2.2	1.3	0.1
SPEED POINT 2500.0										
LOAD POINT	-9.3	0.0	4.4	8.8	13.3	17.7	22.1	26.5	31.0	35.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	10.4	10.4	11.6	12.9	14.3	15.7	17.3	19.1	21.0	23.2
MANIFOLD	17.8	17.8	16.4	15.3	14.4	13.5	12.5	11.4	10.2	8.9
LOAD POINT	39.8	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	79.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	25.6	28.2	31.0	34.1	37.4	41.1	45.4	50.9	58.7	71.0
MANIFOLD	7.6	6.4	5.3	4.4	3.7	3.2	2.8	2.3	1.6	0.2
SPEED POINT 3000.0										
LOAD POINT	-12.1	0.0	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	11.7	11.7	12.6	13.4	14.5	16.3	18.8	22.1	25.8	29.6
MANIFOLD	17.4	17.4	17.1	16.3	15.1	13.7	12.3	10.8	9.4	8.1
LOAD POINT	40.6	45.2	49.7	54.2	58.7	63.2	67.7	72.3	76.8	81.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	33.0	35.7	37.7	39.4	41.5	44.7	49.8	57.0	65.0	69.0
MANIFOLD	7.0	6.0	5.2	4.5	3.9	3.2	2.6	1.9	1.0	0.0
SPEED POINT 3600.0										
LOAD POINT	-15.5	1.4	5.9	10.3	14.7	19.2	23.6	28.1	32.5	37.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	12.3	12.3	11.6	13.8	17.7	22.5	27.3	30.9	33.0	33.8
MANIFOLD	17.0	17.0	17.2	16.7	15.6	14.2	12.6	11.1	9.6	8.3
LOAD POINT	41.4	45.9	50.3	54.7	59.2	63.6	68.1	72.5	77.0	81.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	34.1	34.5	35.6	37.9	41.5	46.5	52.5	59.1	65.8	71.0
MANIFOLD	7.1	6.1	5.2	4.5	3.8	3.2	2.6	2.0	1.4	0.9
SPEED POINT 4000.0										
LOAD POINT	-17.8	2.4	6.6	10.9	15.1	19.3	23.5	27.8	32.0	36.2
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	16.3	16.3	17.4	21.3	26.5	31.6	35.4	37.3	37.7	37.3
MANIFOLD	17.8	17.8	16.3	15.1	14.1	13.2	12.1	11.1	9.9	8.7
LOAD POINT	40.4	44.7	48.9	53.1	57.3	61.6	65.8	70.0	74.2	78.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	37.0	37.5	39.0	41.7	45.2	49.3	53.4	57.5	62.9	71.0
MANIFOLD	7.6	6.4	5.4	4.5	3.7	3.1	2.6	2.2	1.7	1.0
SPEED POINT 4500.0										
LOAD POINT	-20.6	1.0	5.1	9.3	13.4	17.6	21.7	25.8	30.0	34.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	17.8	17.8	33.2	38.5	35.7	31.3	28.3	27.3	28.4	31.3
MANIFOLD	17.7	17.7	17.2	16.1	14.8	13.4	12.0	10.6	9.3	8.2
LOAD POINT	38.3	42.4	46.5	50.7	54.8	59.0	63.1	67.2	71.4	75.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	35.5	40.5	45.4	49.7	53.1	55.8	58.7	62.6	67.7	72.9
MANIFOLD	7.2	6.4	5.6	4.8	4.1	3.4	2.8	2.2	1.8	1.7
LOAD POINT	-25.1	1.2	4.9	8.5	12.1	15.8	19.4	23.0	26.7	30.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLD	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.6	41.2	44.8	48.5	52.1	55.7	59.4	63.0	66.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9
SPEED POINT 5300.0										
LOAD POINT	-10.0	1.2	4.8	8.5	12.1	15.7	19.4	23.0	26.6	30.2
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLD	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.5	41.1	44.8	48.4	52.0	55.6	59.3	62.9	66.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9
*ENGINE		H5CSP7		RPM		TORQUE		G/HR		
1975 COLT	97.5	ENGINE	HC MAP		CATALYTIC	CONVERTER				
DATA	3.030	3.390	4.	850.	5300.	.0050	.7190			
SPEED POINT 850.0										
LOAD POINT	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.5	1.1	1.7	2.3	2.9	3.4	3.9	4.3
MANIFOLD	13.9	13.9	13.5	13.0	12.6	12.1	11.7	11.3	10.9	10.5
LOAD POINT	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	30.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	4.7	5.1	5.5	5.8	6.1	6.3	6.5	6.7	6.9	7.0
MANIFOLD	10.1	9.7	9.4	9.0	8.7	8.4	8.1	7.8	7.5	7.2
SPEED POINT 1000.0										
LOAD POINT	-0.8	0.4	3.6	6.7	9.9	13.0	16.2	19.4	22.5	25.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	11.5	14.8	15.0	13.4	11.1	9.0	7.5	6.6	6.4
LOAD POINT	28.8	32.0	35.1	38.3	41.5	44.6	47.8	50.9	54.1	57.2
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	6.7	7.3	7.7	7.8	7.3	6.1	4.3	2.3	0.7	0.5
SPEED POINT 1500.0										
LOAD POINT	-3.7	0.0	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.3	16.3	17.9	17.8	16.8	15.2	13.3	11.5	9.8	8.4
LOAD POINT	34.8	38.7	42.6	46.4	50.3	54.2	58.0	61.9	65.8	69.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.2	6.4	5.7	5.1	4.6	4.0	3.2	2.3	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-6.5	0.0	4.2	8.5	12.7	17.0	21.2	25.4	29.7	33.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	18.8	19.0	18.1	16.6	14.6	12.6	10.6	8.8
LOAD POINT	38.2	42.4	46.7	50.9	55.1	59.4	63.6	67.9	72.1	76.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.3	6.0	5.1	4.3	3.8	3.3	2.8	2.2	1.3	0.1
SPEED POINT 2500.0										
LOAD POINT	-9.3	0.0	4.4	8.8	13.3	17.7	22.1	26.5	31.0	35.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	10.4	10.4	11.6	12.9	14.3	15.7	17.3	19.1	21.0	23.2
MANIFOLD	17.8	17.8	16.4	15.3	14.4	13.5	12.5	11.4	10.2	8.9
LOAD POINT	39.8	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	79.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	25.6	28.2	31.0	34.1	37.4	41.1	45.4	50.9	58.7	71.0
MANIFOLD	7.6	6.4	5.3	4.4	3.7	3.2	2.8	2.3	1.6	0.2
SPEED POINT 3000.0										
LOAD POINT	-12.1	0.0	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1



EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	11.7	11.7	12.6	13.4	14.5	16.3	18.8	22.1	25.8	29.6
MANIFOLD	17.4	17.4	17.1	16.3	15.1	13.7	12.3	10.8	9.4	8.1
LOAD POINT	40.6	45.2	49.7	54.2	58.7	63.2	67.7	72.3	76.8	81.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	33.0	35.7	37.7	39.4	41.5	44.7	49.8	57.0	65.0	69.0
MANIFOLD	7.0	6.0	5.2	4.5	3.9	3.2	2.6	1.9	1.0	0.0
SPEED POINT	3600.0									
LOAD POINT	-15.5	1.4	5.9	10.3	14.7	19.2	23.6	28.1	32.5	37.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	12.3	12.3	11.6	13.8	17.7	22.5	27.3	30.9	33.0	33.8
MANIFOLD	17.0	17.0	17.2	16.7	15.6	14.2	12.6	11.1	9.6	8.3
LOAD POINT	41.4	45.9	50.3	54.7	59.2	63.6	68.1	72.5	77.0	81.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	34.1	34.5	35.6	37.9	41.5	46.5	52.5	59.1	65.8	71.0
MANIFOLD	7.1	6.1	5.2	4.5	3.8	3.2	2.6	2.0	1.4	0.9
SPEED POINT	4000.0									
LOAD POINT	-17.8	2.4	6.6	10.9	15.1	19.3	23.5	27.8	32.0	36.2
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	16.3	16.3	17.4	21.3	26.5	31.6	35.4	37.3	37.7	37.3
MANIFOLD	17.8	17.8	16.3	15.1	14.1	13.2	12.1	11.1	9.9	8.7
LOAD POINT	40.4	44.7	48.9	53.1	57.3	61.6	65.8	70.0	74.2	78.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	37.0	37.5	39.0	41.7	45.2	49.3	53.4	57.5	62.9	71.0
MANIFOLD	7.6	6.4	5.4	4.5	3.7	3.1	2.6	2.2	1.7	1.0
SPEED POINT	4500.0									
LOAD POINT	-20.6	1.0	5.1	9.3	13.4	17.6	21.7	25.8	30.0	34.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	17.8	17.8	33.2	38.5	35.7	31.3	28.3	27.3	28.4	31.3
MANIFOLD	17.7	17.7	17.2	16.1	14.8	13.4	12.0	10.6	9.3	8.2
LOAD POINT	38.3	42.4	46.5	50.7	54.8	59.0	63.1	67.2	71.4	75.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	35.5	40.5	45.4	49.7	53.1	55.8	58.7	62.6	67.7	72.9
MANIFOLD	7.2	6.4	5.6	4.8	4.1	3.4	2.8	2.2	1.8	1.7
SPEED POINT	5300.0									
LOAD POINT	-25.1	1.2	4.9	8.5	12.1	15.8	19.4	23.0	26.7	30.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLD	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.6	41.2	44.8	48.5	52.1	55.7	59.4	63.0	66.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9
*ENGINE		N5CSP7		RPM		TORQUE		G/HR		
1975 COLT	97.5	ENGINE	NCX	MAP		CATALYTIC		CONVERTER		
DATA	3.030	3.390	4.	850.	5300.	.0050	.7190			
SPEED POINT	850.0									
LOAD POINT	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.5	1.1	1.7	2.3	2.9	3.4	3.9	4.3
MANIFOLD	13.9	13.9	13.5	13.0	12.6	12.1	11.7	11.3	10.9	10.5
LOAD POINT	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	30.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	4.7	5.1	5.5	5.8	6.1	6.3	6.5	6.7	6.9	7.0
MANIFOLD	10.1	9.7	9.4	9.0	8.7	8.4	8.1	7.8	7.5	7.2
SPEED POINT	1000.0									
LOAD POINT	-0.8	0.4	3.6	6.7	9.9	13.0	16.2	19.4	22.5	25.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	11.5	14.8	15.0	13.4	11.1	9.0	7.5	6.6	6.4
LOAD POINT	28.8	32.0	35.1	38.3	41.5	44.6	47.8	50.9	54.1	57.2

EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	6.7	7.3	7.7	7.8	7.3	6.1	4.3	2.3	0.7	0.5
SPEED POINT 1500.0										
LOAD POINT	-3.7	0.0	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.3	16.3	17.9	17.8	16.8	15.2	13.3	11.5	9.8	8.4
LOAD POINT	34.8	38.7	42.6	46.4	50.3	54.2	58.0	61.9	65.8	69.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.2	6.4	5.7	5.1	4.6	4.0	3.2	2.3	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-6.5	0.0	4.2	8.5	12.7	17.0	21.2	25.4	29.7	33.9
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	18.8	19.0	18.1	16.6	14.6	12.6	10.6	8.8
LOAD POINT	38.2	42.4	46.7	50.9	55.1	59.4	63.6	67.9	72.1	76.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.3	6.0	5.1	4.3	3.8	3.3	2.8	2.2	1.3	0.1
SPEED POINT 2500.0										
LOAD POINT	-9.3	0.0	4.4	8.8	13.3	17.7	22.1	26.5	31.0	35.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	10.4	10.4	11.6	12.9	14.3	15.7	17.3	19.1	21.0	23.2
MANIFOLD	17.8	17.8	16.4	15.3	14.4	13.5	12.5	11.4	10.2	8.9
LOAD POINT	39.8	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	79.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	25.6	28.2	31.0	34.1	37.4	41.1	45.4	50.9	58.7	71.0
MANIFOLD	7.6	6.4	5.3	4.4	3.7	3.2	2.8	2.3	1.6	0.2
SPEED POINT 3000.0										
LOAD POINT	-12.1	0.0	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	11.7	11.7	12.6	13.4	14.5	16.3	18.8	22.1	25.8	29.6
MANIFOLD	17.4	17.1	16.3	15.3	15.1	13.7	12.3	10.8	9.4	8.1
LOAD POINT	40.6	45.2	49.7	54.2	58.7	63.2	67.7	72.3	76.8	81.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	33.0	35.7	37.7	39.4	41.5	44.7	49.8	57.0	65.0	69.0
MANIFOLD	7.0	6.0	5.2	4.5	3.9	3.2	2.6	1.9	1.0	0.0
SPEED POINT 3600.0										
LOAD POINT	-15.5	1.4	5.9	10.3	14.7	19.2	23.6	28.1	32.5	37.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	12.3	12.3	11.6	13.8	17.7	22.5	27.3	30.9	33.0	33.8
MANIFOLD	17.0	17.0	17.2	16.7	15.6	14.2	12.6	11.1	9.6	8.3
LOAD POINT	41.4	45.9	50.3	54.7	59.2	63.6	68.1	72.5	77.0	81.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	34.1	34.5	35.6	37.9	41.5	46.5	52.5	59.1	65.8	71.0
MANIFOLD	7.1	6.1	5.2	4.5	3.8	3.2	2.6	2.0	1.4	0.9
SPEED POINT 4000.0										
LOAD POINT	-17.8	2.4	6.6	10.9	15.1	19.3	23.5	27.8	32.0	36.2
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	16.3	16.3	17.4	21.3	26.5	31.6	35.4	37.3	37.7	37.3
MANIFOLD	17.8	17.8	16.3	15.1	14.1	13.2	12.1	11.1	9.9	8.7
LOAD POINT	40.4	44.7	48.9	53.1	57.3	61.6	65.8	70.0	74.2	78.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	37.0	37.5	39.0	41.7	45.2	49.3	53.4	57.5	62.9	71.0
MANIFOLD	7.6	6.4	5.4	4.5	3.7	3.1	2.6	2.2	1.7	1.0
SPEED POINT 4500.0										
LOAD POINT	-20.6	1.0	5.1	9.3	13.4	17.6	21.7	25.8	30.0	34.1
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	17.8	17.8	33.2	38.5	35.7	31.3	28.3	27.3	28.4	31.3

MANIFOLD	17.7	17.7	17.2	16.1	14.8	13.4	12.0	10.6	9.3	8.2
LOAD POINT	38.3	42.4	46.5	50.7	54.8	59.0	63.1	67.2	71.4	75.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	35.5	40.5	45.4	49.7	53.1	55.8	58.7	62.6	67.7	72.9
MANIFOLD	7.2	6.4	5.6	4.8	4.1	3.4	2.8	2.2	1.8	1.7
SPEED POINT 5300.0										
LOAD POINT	-25.1	1.2	4.9	8.5	12.1	15.8	19.4	23.0	26.7	30.3
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLD	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.6	41.2	44.8	48.5	52.1	55.7	59.4	63.0	66.6
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9
*ENGINE		X5CSP7		RPM		TORQUE		G/HR(*.1)		
1975 COLT	97.5	ENGINE	RAW	CO	MAP	CATALYTIC	CONVERTER			
DATA	3.030	3.390	4.	850.	5300.	.0050	.7190			
SPEED POINT 850.0										
LOAD POINT	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6
EMISSION RATE	5.1	5.1	5.7	6.3	6.9	7.6	8.3	9.0	9.7	10.5
THROTTLE	0.0	0.0	0.5	1.1	1.7	2.3	2.9	3.4	3.9	4.3
MANIFOLD	13.9	13.9	13.5	13.0	12.6	12.1	11.7	11.3	10.9	10.5
LOAD POINT	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	30.6
EMISSION RATE	11.3	12.1	12.9	13.8	14.7	15.7	16.6	17.6	18.6	19.6
THROTTLE	4.7	5.1	5.5	5.8	6.1	6.3	6.5	6.7	6.9	7.0
MANIFOLD	10.1	9.7	9.4	9.0	8.7	8.4	8.1	7.8	7.5	7.2
SPEED POINT 1000.0										
LOAD POINT	-0.8	0.4	3.6	6.7	9.9	13.0	16.2	19.4	22.5	25.7
EMISSION RATE	5.1	3.7	3.7	4.5	6.0	8.1	10.6	13.1	15.2	16.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	11.5	14.8	15.0	13.4	11.1	9.0	7.5	6.6	6.4
LOAD POINT	28.8	32.0	35.1	38.3	41.5	44.6	47.8	50.9	54.1	57.2
EMISSION RATE	17.1	17.2	17.4	18.0	19.8	23.5	30.7	44.2	69.6	116.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	6.7	7.3	7.7	7.8	7.3	6.1	4.3	2.3	0.7	0.5
SPEED POINT 1500.0										
LOAD POINT	-3.7	0.0	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0
EMISSION RATE	5.1	4.2	4.9	5.1	5.2	5.5	6.3	7.7	9.9	13.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.3	16.3	17.9	17.8	16.8	15.2	13.3	11.5	9.8	8.4
LOAD POINT	34.8	38.7	42.6	46.4	50.3	54.2	58.0	61.9	65.8	69.6
EMISSION RATE	16.9	20.8	23.7	24.8	24.3	23.5	24.5	31.6	61.4	168.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.2	6.4	5.7	5.1	4.6	4.0	3.2	2.3	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-6.5	0.0	4.2	8.5	12.7	17.0	21.2	25.4	29.7	33.9
EMISSION RATE	5.1	3.9	4.4	5.2	6.2	7.6	9.6	12.0	14.7	17.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	18.8	19.0	18.1	16.6	14.6	12.6	10.6	8.8
LOAD POINT	38.2	42.4	46.7	50.9	55.1	59.4	63.6	67.9	72.1	76.3
EMISSION RATE	18.9	19.4	18.8	17.4	16.1	16.0	18.5	28.6	69.2	242.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.3	6.0	5.1	4.3	3.8	3.3	2.8	2.2	1.3	0.1
SPEED POINT 2500.0										
LOAD POINT	-9.3	0.0	4.4	8.8	13.3	17.7	22.1	26.5	31.0	35.4
EMISSION RATE	5.1	5.7	10.1	12.8	13.5	13.0	12.3	11.9	12.2	13.2
THROTTLE	10.4	10.4	11.6	12.9	14.3	15.7	17.3	19.1	21.0	23.2
MANIFOLD	17.8	17.8	16.4	15.3	14.4	13.5	12.5	11.4	10.2	8.9
LOAD POINT	39.8	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	79.6
EMISSION RATE	15.0	17.7	21.7	27.1	34.8	46.7	68.2	115.3	248.1	558.5
THROTTLE	25.6	28.2	31.0	34.1	37.4	41.1	45.4	50.9	58.7	71.0

MANIFOLO	7.6	6.4	5.3	4.4	3.7	3.2	2.8	2.3	1.6	0.2
SPEED POINT 3000.0										
LOAD POINT	-12.1	0.0	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1
EMISSION RATE	5.1	5.4	6.9	8.4	9.8	11.2	12.6	14.1	15.8	18.0
THROTTLE	11.7	11.7	12.6	13.4	14.5	16.3	18.8	22.1	25.8	29.6
MANIFOLD	17.4	17.4	17.1	16.3	15.1	13.7	12.3	10.8	9.4	8.1
LOAD POINT	40.6	45.2	49.7	54.2	58.7	63.2	67.7	72.3	76.8	81.3
EMISSION RATE	20.9	25.0	30.8	39.9	54.5	79.6	125.8	218.1	421.7	702.4
THROTTLE	33.0	35.7	37.7	39.4	41.5	44.7	49.8	57.0	65.0	69.0
MANIFOLD	7.0	6.0	5.2	4.5	3.9	3.2	2.6	1.9	1.0	0.0
SPEED POINT 3600.0										
LOAD POINT	-15.5	1.4	5.9	10.3	14.7	19.2	23.6	28.1	32.5	37.0
EMISSION RATE	5.1	6.3	6.7	8.1	10.2	12.5	14.3	15.3	15.7	15.9
THROTTLE	12.3	12.3	11.6	13.8	17.7	22.5	27.3	30.9	33.0	33.8
MANIFOLO	17.0	17.0	17.2	16.7	15.6	14.2	12.6	11.1	9.6	8.3
LOAD POINT	41.4	45.9	50.3	54.7	59.2	63.6	68.1	72.5	77.0	81.4
EMISSION RATE	16.6	18.6	23.3	33.4	54.9	101.6	200.6	384.5	622.3	701.1
THROTTLE	34.1	34.5	35.6	37.9	41.5	46.5	52.5	59.1	65.8	71.0
MANIFOLD	7.1	6.1	5.2	4.5	3.8	3.2	2.6	2.0	1.4	0.9
SPEED POINT 4000.0										
LOAD POINT	-17.8	2.4	6.6	10.9	15.1	19.3	23.5	27.8	32.0	36.2
EMISSION RATE	5.1	6.2	10.3	12.5	12.3	11.1	10.2	9.9	10.7	12.8
THROTTLE	16.3	16.3	17.4	21.3	26.5	31.6	35.4	37.3	37.7	37.3
MANIFOLO	17.8	17.8	16.3	15.1	14.1	13.2	12.1	11.1	9.9	8.7
LOAD POINT	40.4	44.7	48.9	53.1	57.3	61.6	65.8	70.0	74.2	78.5
EMISSION RATE	17.1	24.8	38.1	60.3	95.1	146.1	215.8	306.1	424.8	601.8
THROTTLE	37.0	37.5	39.0	41.7	45.2	49.3	53.4	57.5	62.9	71.0
MANIFOLD	7.6	6.4	5.4	4.5	3.7	3.1	2.6	2.2	1.7	1.0
SPEED POINT 4500.0										
LOAD POINT	-20.6	1.0	5.1	9.3	13.4	17.6	21.7	25.8	30.0	34.1
EMISSION RATE	5.1	6.7	11.5	14.1	13.8	12.7	12.2	13.0	15.7	21.2
THROTTLE	17.8	17.8	33.2	38.5	35.7	31.3	28.3	27.3	28.4	31.3
MANIFOLO	17.7	17.7	17.2	16.1	14.8	13.4	12.0	10.6	9.3	8.2
LOAD POINT	38.3	42.4	46.5	50.7	54.8	59.0	63.1	67.2	71.4	75.5
EMISSION RATE	31.3	48.4	74.7	110.0	149.7	185.9	213.5	238.4	284.4	418.4
THROTTLE	35.5	40.5	45.4	49.7	53.1	55.8	58.7	62.6	67.7	72.9
MANIFOLD	7.2	6.4	5.6	4.8	4.1	3.4	2.8	2.2	1.8	1.7
SPEED POINT 5300.0										
LOAD POINT	-25.1	1.2	4.9	8.5	12.1	15.8	19.4	23.0	26.7	30.3
EMISSION RATE	5.1	9.9	11.6	12.8	13.9	15.4	17.7	21.3	26.7	34.5
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLO	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.6	41.2	44.8	48.5	52.1	55.7	59.4	63.0	66.6
EMISSION RATE	45.5	60.3	79.2	102.4	129.9	162.8	205.6	270.7	391.2	609.4
THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9
*ENGINE		Y5CSP7		RPM		TORQUE		G/HR		
1975 COLT	97.5	ENGINE	RAW	HC	MAP	CATALYTIC	CONVERTER			
DATA	3.030	3.390	4.	850.	5300.	.0050	.7190			
SPEED POINT 850.0										
LOAD POINT	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6
EMISSION RATE	11.8	11.8	10.6	9.5	8.5	7.8	7.2	6.7	6.4	6.4
THROTTLE	0.0	0.0	0.5	1.1	1.7	2.3	2.9	3.4	3.9	4.3
MANIFOLD	13.9	13.9	13.5	13.0	12.6	12.1	11.7	11.3	10.9	10.5
LOAD POINT	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	30.6
EMISSION RATE	6.4	6.6	7.0	7.5	8.2	9.0	10.1	11.3	12.6	14.1
THROTTLE	4.7	5.1	5.5	5.8	6.1	6.3	6.5	6.7	6.9	7.0
MANIFOLO	10.1	9.7	9.4	9.0	8.7	8.4	8.1	7.8	7.5	7.2
SPEED POINT 1000.0										
LOAD POINT	-0.8	0.4	3.6	6.7	9.9	13.0	16.2	19.4	22.5	25.7
EMISSION RATE	11.8	5.3	10.2	11.8	10.5	8.5	7.1	6.5	6.6	7.3

THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	11.5	14.8	15.0	13.4	11.1	9.0	7.5	6.6	6.4
LOAD POINT	28.8	32.0	35.1	38.3	41.5	44.6	47.8	50.9	54.1	57.2
EMISSION RATE	8.5	10.1	11.5	12.4	12.3	11.5	10.9	11.7	16.9	43.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	6.7	7.3	7.7	7.8	7.3	6.1	4.3	2.3	0.7	0.5
SPEED POINT 1500.0										
LOAD POINT	-3.7	0.0	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0
EMISSION RATE	11.8	2.6	8.1	13.1	14.2	12.7	10.7	9.4	8.9	9.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.3	16.3	17.9	17.8	16.8	15.2	13.3	11.5	9.8	8.4
LOAD POINT	34.8	38.7	42.6	46.4	50.3	54.2	58.0	61.9	65.8	69.6
EMISSION RATE	10.6	12.6	15.3	18.2	20.5	21.8	22.2	22.8	26.1	38.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.2	6.4	5.7	5.1	4.6	4.0	3.2	2.3	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-6.5	0.0	4.2	8.5	12.7	17.0	21.2	25.4	29.7	33.9
EMISSION RATE	11.8	1.8	4.8	10.2	15.8	19.3	19.8	18.2	15.6	13.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	18.8	19.0	18.1	16.6	14.6	12.6	10.6	8.8
LOAD POINT	38.2	42.4	46.7	50.9	55.1	59.4	63.6	67.9	72.1	76.3
EMISSION RATE	11.1	9.9	9.4	9.6	10.6	12.4	15.3	19.1	23.0	25.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.3	6.0	5.1	4.3	3.8	3.3	2.8	2.2	1.3	0.1
SPEED POINT 2500.0										
LOAD POINT	-9.3	0.0	4.4	8.8	13.3	17.7	22.1	26.5	31.0	35.4
EMISSION RATE	11.8	2.1	2.2	2.9	4.1	6.0	8.3	10.4	11.8	12.1
THROTTLE	10.4	10.4	11.6	12.9	14.3	15.7	17.3	19.1	21.0	23.2
MANIFOLD	17.8	17.8	16.4	15.3	14.4	13.5	12.5	11.4	10.2	8.9
LOAD POINT	39.8	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	79.6
EMISSION RATE	11.3	10.0	8.7	7.7	7.4	7.9	9.8	14.6	26.6	57.8
THROTTLE	25.6	28.2	31.0	34.1	37.4	41.1	45.4	50.9	58.7	71.0
MANIFOLD	7.6	6.4	5.3	4.4	3.7	3.2	2.8	2.3	1.6	0.2
SPEED POINT 3000.0										
LOAD POINT	-12.1	0.0	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1
EMISSION RATE	11.8	2.9	2.4	2.8	3.9	5.2	6.4	6.8	6.3	5.3
THROTTLE	11.7	11.7	12.6	13.4	14.5	16.3	18.8	22.1	25.8	29.6
MANIFOLD	17.4	17.4	17.1	16.3	15.1	13.7	12.3	10.8	9.4	8.1
LOAD POINT	40.6	45.2	49.7	54.2	58.7	63.2	67.7	72.3	76.8	81.3
EMISSION RATE	4.2	3.4	3.0	2.9	3.3	4.4	6.5	9.9	13.3	12.7
THROTTLE	33.0	35.7	37.7	39.4	41.5	44.7	49.8	57.0	65.0	69.0
MANIFOLD	7.0	6.0	5.2	4.5	3.9	3.2	2.6	1.9	1.0	0.0
SPEED POINT 3600.0										
LOAD POINT	-15.5	1.4	5.9	10.3	14.7	19.2	23.6	28.1	32.5	37.0
EMISSION RATE	11.8	3.9	4.5	6.4	9.5	12.5	13.8	12.5	9.6	6.6
THROTTLE	12.3	12.3	11.6	13.8	17.7	22.5	27.3	30.9	33.0	33.8
MANIFOLD	17.0	17.0	17.2	16.7	15.6	14.2	12.6	11.1	9.6	8.3
LOAD POINT	41.4	45.9	50.3	54.7	59.2	63.6	68.1	72.5	77.0	81.4
EMISSION RATE	4.4	3.1	2.6	2.6	3.0	4.8	9.1	18.8	34.9	44.7
THROTTLE	34.1	34.5	35.6	37.9	41.5	46.5	52.5	59.1	65.8	71.0
MANIFOLD	7.1	6.1	5.2	4.5	3.8	3.2	2.6	2.0	1.4	0.9
SPEED POINT 4000.0										
LOAD POINT	-17.8	2.4	6.6	10.9	15.1	19.3	23.5	27.8	32.0	36.2
EMISSION RATE	11.8	4.0	5.5	6.6	7.3	7.8	8.0	8.1	8.1	8.0
THROTTLE	16.3	16.3	17.4	21.3	26.5	31.6	35.4	37.3	37.7	37.3
MANIFOLD	17.8	17.8	16.3	15.1	14.1	13.2	12.1	11.1	9.9	8.7
LOAD POINT	40.4	44.7	48.9	53.1	57.3	61.6	65.8	70.0	74.2	78.5
EMISSION RATE	7.7	7.3	6.9	6.5	6.3	6.5	7.5	10.3	18.5	48.3
THROTTLE	37.0	37.5	39.0	41.7	45.2	49.3	53.4	57.5	62.9	71.0
MANIFOLD	7.6	6.4	5.4	4.5	3.7	3.1	2.6	2.2	1.7	1.0
SPEED POINT 4500.0										

LOAD POINT	-20.6	1.0	5.1	9.3	13.4	17.6	21.7	25.8	30.0	34.1
EMISSION RATE	11.8	2.3	4.8	6.1	5.8	4.5	3.3	2.3	1.8	1.5
THROTTLE	17.8	17.8	33.2	38.5	35.7	31.3	28.3	27.3	28.4	31.3
MANIFOLD	17.7	17.7	17.2	16.1	14.8	13.4	12.0	10.6	9.3	8.2
LOAD POINT	38.3	42.4	46.5	50.7	54.8	59.0	63.1	67.2	71.4	75.5
EMISSION RATE	1.3	1.4	1.6	2.1	2.9	4.2	6.2	8.9	12.2	15.4
THROTTLE	35.5	40.5	45.4	49.7	53.1	55.8	57.7	62.6	67.7	72.9
MANIFOLD	7.2	6.4	5.6	4.8	4.1	3.4	2.8	2.2	1.8	1.7
SPEED POINT 5300.0										
LOAD POINT	-25.1	1.2	4.9	8.5	12.1	15.8	19.4	23.0	26.7	30.3
EMISSION RATE	11.8	5.2	5.6	6.0	6.1	5.6	4.7	3.6	2.6	1.9
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLD	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.6	41.2	44.8	48.5	52.1	55.7	59.4	63.0	66.6
EMISSION RATE	1.5	1.4	1.4	1.8	2.9	5.2	10.3	19.8	30.8	30.8
THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9
*ENGINE		Z5CSP7		RPM		TGRQUE		G/HR		
1975 COLT	97.5	ENGINE	RAW	NOX	MAP	CATALYTIC	CCNVERTER			
DATA	3.030	3.390	4.	850.	5300.	.0050	.7190			
SPEED POINT 850.0										
LOAD POINT	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6
EMISSION RATE	0.6	0.6	0.9	1.2	1.6	1.9	2.3	2.6	3.0	3.4
THROTTLE	0.0	0.0	0.5	1.1	1.7	2.3	2.9	3.4	3.9	4.3
MANIFOLD	13.9	13.9	13.5	13.0	12.6	12.1	11.7	11.3	10.9	10.5
LOAD POINT	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	30.6
EMISSION RATE	3.8	4.3	4.7	5.2	5.6	6.1	6.6	7.1	7.6	8.2
THROTTLE	4.7	5.1	5.5	5.8	6.1	6.3	6.5	6.7	6.9	7.0
MANIFOLD	10.1	9.7	9.4	9.0	8.7	8.4	8.1	7.8	7.5	7.2
SPEED POINT 1000.0										
LOAD POINT	-0.8	0.4	3.6	6.7	9.9	13.0	16.2	19.4	22.5	25.7
EMISSION RATE	0.6	1.3	0.6	0.7	1.5	4.3	10.4	18.2	22.2	20.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.5	11.5	14.8	15.0	13.4	11.1	9.0	7.5	6.6	6.4
LOAD POINT	28.8	32.0	35.1	38.3	41.5	44.6	47.8	50.9	54.1	57.2
EMISSION RATE	17.5	15.7	17.3	23.6	36.8	51.6	51.6	44.1	27.8	35.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	6.7	7.3	7.7	7.8	7.3	6.1	4.3	2.3	0.7	0.5
SPEED POINT 1500.0										
LOAD POINT	-3.7	0.0	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0
EMISSION RATE	0.6	1.5	1.7	1.1	1.0	1.9	4.6	10.6	17.9	20.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.3	16.3	17.9	17.8	16.8	15.2	13.3	11.5	9.8	8.4
LOAD POINT	34.8	38.7	42.6	46.4	50.3	54.2	58.0	61.9	65.8	69.6
EMISSION RATE	18.0	15.0	14.9	20.0	35.0	63.7	88.7	76.7	53.3	100.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.2	6.4	5.7	5.1	4.6	4.0	3.2	2.3	1.2	0.0
SPEED POINT 2000.0										
LOAD POINT	-6.5	0.0	4.2	8.5	12.7	17.0	21.2	25.4	29.7	33.9
EMISSION RATE	0.6	2.7	5.5	2.6	1.7	2.1	4.6	12.1	27.1	43.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	17.0	18.8	19.0	18.1	16.6	14.6	12.6	10.6	8.8
LOAD POINT	38.2	42.4	46.7	50.9	55.1	59.4	63.6	67.9	72.1	76.3
EMISSION RATE	52.1	52.7	55.5	69.9	106.4	168.8	190.6	183.2	123.6	186.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	7.3	6.0	5.1	4.3	3.8	3.3	2.8	2.2	1.3	0.1
SPEED POINT 2500.0										
LOAD POINT	-9.3	0.0	4.4	8.8	13.3	17.7	22.1	26.5	31.0	35.4
EMISSION RATE	0.6	4.0	7.4	9.4	11.0	13.5	18.0	25.1	36.0	51.2
THROTTLE	10.4	10.4	11.6	12.9	14.3	15.7	17.3	19.1	21.0	23.2
MANIFOLD	17.8	17.8	16.4	15.3	14.4	13.5	12.5	11.4	10.2	8.9

LOAD POINT	39.8	44.2	48.7	53.1	57.5	61.9	66.4	70.8	75.2	79.6
EMISSION RATE	71.4	97.4	129.4	166.6	203.3	227.0	221.4	181.5	125.2	79.7
THROTTLE	25.6	28.2	31.0	34.1	37.4	41.1	45.4	50.9	58.7	71.0
MANIFOLD	7.6	6.4	5.3	4.4	3.7	3.2	2.8	2.3	1.6	0.2
SPEED POINT 3000.0										
LOAD POINT	-12.1	0.0	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1
EMISSION RATE	0.6	5.0	11.4	16.7	22.7	32.3	46.8	65.5	84.6	100.4
THROTTLE	11.7	11.7	12.6	13.4	14.5	16.3	18.8	22.1	25.8	29.6
MANIFOLD	17.4	17.4	17.1	16.3	15.1	13.7	12.3	10.8	9.4	8.1
LOAD POINT	40.6	45.2	49.7	54.2	58.7	63.2	67.7	72.3	76.8	81.3
EMISSION RATE	112.8	125.3	142.8	167.5	192.3	192.3	176.1	120.6	74.0	64.1
THROTTLE	33.0	35.7	37.7	39.4	41.5	44.7	49.8	57.0	65.0	69.0
MANIFOLD	7.0	6.0	5.2	4.5	3.9	3.2	2.6	1.9	1.0	0.0
SPEED POINT 3600.0										
LOAD POINT	-15.5	1.4	5.9	10.3	14.7	19.2	23.6	28.1	32.5	37.0
EMISSION RATE	0.6	7.5	19.5	33.5	46.0	57.0	68.0	81.1	97.8	119.1
THROTTLE	12.3	12.3	11.6	13.8	17.7	22.5	27.3	30.9	33.0	33.8
MANIFOLD	17.0	17.0	17.2	16.7	15.6	14.2	12.6	11.1	9.6	8.3
LOAD POINT	41.4	45.9	50.3	54.7	59.2	63.6	68.1	72.5	77.0	81.4
EMISSION RATE	144.7	172.6	198.4	209.1	209.1	195.2	160.9	122.7	91.9	76.1
THROTTLE	34.1	34.5	35.6	37.9	41.5	46.5	52.5	59.1	65.8	71.0
MANIFOLD	7.1	6.1	5.2	4.5	3.8	3.2	2.6	2.0	1.4	0.9
SPEED POINT 4000.0										
LOAD POINT	-17.8	2.4	6.6	10.9	15.1	19.3	23.5	27.8	32.0	36.2
EMISSION RATE	0.6	10.7	25.8	33.3	45.8	75.3	128.3	189.1	218.0	199.7
THROTTLE	16.3	16.3	17.4	21.3	26.5	31.6	35.4	37.3	37.7	37.3
MANIFOLD	17.8	17.8	16.3	15.1	14.1	13.2	12.1	11.1	9.9	8.7
LOAD POINT	40.4	44.7	48.9	53.1	57.3	61.6	65.8	70.0	74.2	78.5
EMISSION RATE	163.1	138.9	140.2	173.7	234.1	234.1	234.1	149.8	75.1	109.3
THROTTLE	37.0	37.5	39.0	41.7	45.2	49.3	53.4	57.5	62.9	71.0
MANIFOLD	7.6	6.4	5.4	4.5	3.7	3.1	2.6	2.2	1.7	1.0
SPEED POINT 4500.0										
LOAD POINT	-20.6	1.0	5.1	9.3	13.4	17.6	21.7	25.8	30.0	34.1
EMISSION RATE	0.6	20.4	53.2	66.4	72.7	90.0	124.9	174.0	217.3	229.5
THROTTLE	17.8	17.8	33.2	38.5	35.7	31.3	28.3	27.3	28.4	31.3
MANIFOLD	17.7	17.7	17.2	16.1	14.8	13.4	12.0	10.6	9.3	8.2
LOAD POINT	38.3	42.4	46.5	50.7	54.8	59.0	63.1	67.2	71.4	75.5
EMISSION RATE	207.5	172.6	146.2	138.2	153.1	194.0	255.2	301.7	283.0	214.1
THROTTLE	35.5	40.5	45.4	49.7	53.1	55.8	58.7	62.6	67.7	72.9
MANIFOLD	7.2	6.4	5.6	4.8	4.1	3.4	2.8	2.2	1.8	1.7
SPEED POINT 5300.0										
LOAD POINT	-25.1	1.2	4.9	8.5	12.1	15.8	19.4	23.0	26.7	30.3
EMISSION RATE	0.6	41.1	51.2	77.7	115.3	154.8	186.7	206.7	214.8	213.0
THROTTLE	24.8	24.8	26.1	27.7	29.7	31.7	33.7	35.2	36.1	36.4
MANIFOLD	14.7	14.7	13.2	12.1	11.2	10.5	9.9	9.4	8.8	8.3
LOAD POINT	33.9	37.6	41.2	44.8	48.5	52.1	55.7	59.4	63.0	66.6
EMISSION RATE	203.2	187.9	170.8	157.2	153.0	165.5	204.6	279.4	309.3	292.4
THROTTLE	36.3	36.4	37.0	38.8	42.5	48.8	57.8	68.4	72.0	71.4
MANIFOLD	7.7	7.1	6.3	5.5	4.7	3.8	3.0	2.4	1.9	1.9

C.4 1975 CHRYSLER 225 CID (3.69 LITER), 1 BBL

*ENGINE 1975 CHRY DATA 1 BBL	F5CMR6 225.0 ENGINE	RPM FUEL MAP	TORQUE CATALYTIC	LB/HR CONVERTER						
SPEED POINT	650.0	4.120	6. 650.	3600. .0800	.7157					
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5
FUEL RATE	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.4	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0
LOAD POINT	5.0	5.0	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0
FUEL RATE	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6
SPEED POINT	750.0									
LOAD POINT	-1.5	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6
FUEL RATE	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.2	15.2	15.2	15.1	15.1	15.1	15.0	15.0	14.9	14.9
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
FUEL RATE	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.7	14.7	14.6	14.6	14.6	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-2.2	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5
FUEL RATE	3.2	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.8	15.8	15.7	15.6	15.5	15.4	15.3	15.2	15.1	15.1
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
FUEL RATE	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2
SPEED POINT	1000.0									
LOAD POINT	-5.2	0.5	7.6	14.8	21.9	29.0	36.1	43.3	50.4	57.5
FUEL RATE	3.2	4.4	4.4	4.6	5.0	5.5	5.9	6.4	6.9	7.4
THROTTLE	1.8	1.8	2.4	3.0	3.6	4.3	5.1	5.9	6.8	7.7
MANIFOLD	18.0	18.0	17.2	17.0	17.1	16.8	16.1	14.8	13.1	11.0
LOAD POINT	64.6	71.8	78.9	86.0	93.1	100.3	107.4	114.5	121.7	128.8
FUEL RATE	7.9	8.4	9.0	9.6	10.2	10.9	11.5	12.2	12.9	13.6
THROTTLE	8.7	9.7	10.8	12.0	13.1	14.4	15.7	17.0	18.4	19.9
MANIFOLD	3.9	7.0	5.4	4.5	4.1	4.3	4.7	4.7	3.7	0.5
SPEED POINT	1600.0									
LOAD POINT	-14.2	0.0	9.3	18.6	27.8	37.1	46.4	55.7	65.0	74.2
FUEL RATE	3.2	5.4	5.8	6.4	7.1	8.0	8.9	9.9	10.9	11.9
THROTTLE	1.0	1.0	2.1	3.5	5.0	6.3	7.6	8.8	10.3	12.0
MANIFOLD	20.0	20.0	18.6	17.4	16.3	15.1	13.7	12.2	10.6	8.9
LOAD POINT	83.5	92.8	102.1	111.4	120.6	129.9	139.2	148.5	157.8	167.0
FUEL RATE	12.9	14.0	15.0	16.1	17.2	18.3	19.5	20.8	22.2	23.7
THROTTLE	14.0	16.0	18.0	19.4	20.1	20.5	21.3	24.4	33.0	75.7
MANIFOLD	7.4	6.1	5.0	4.3	3.9	3.8	3.8	3.6	2.8	1.0
SPEED POINT	2000.0									
LOAD POINT	-20.2	0.5	9.7	19.0	28.2	37.4	46.7	55.9	65.1	74.4
FUEL RATE	3.2	6.7	7.4	8.3	9.2	10.3	11.4	12.5	13.8	15.0
THROTTLE	3.2	3.2	4.1	5.2	6.5	7.8	9.3	10.9	12.8	15.1
MANIFOLD	19.9	19.9	17.7	16.2	15.1	14.0	12.9	11.6	10.1	8.6
LOAD POINT	83.6	92.8	102.1	111.3	120.6	129.8	139.0	148.3	157.5	166.7
FUEL RATE	16.4	17.7	19.1	20.6	22.0	23.5	24.9	26.4	27.9	29.3
THROTTLE	18.0	21.3	24.4	26.9	27.9	27.6	27.0	28.3	37.0	75.9
MANIFOLD	7.2	6.0	5.0	4.3	4.0	4.0	4.0	3.8	2.9	0.6
SPEED POINT	2500.0									
LOAD POINT	-27.7	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
FUEL RATE	3.2	9.0	9.5	10.4	11.5	12.8	14.2	15.7	17.1	18.6
THROTTLE	5.7	5.7	7.0	8.2	9.3	10.4	11.5	12.8	14.6	16.8



MANIFOLD	19.0	19.0	17.0	15.8	15.0	14.3	13.4	12.3	11.1	9.7
LOAD POINT	83.0	92.2	101.4	110.7	119.9	129.1	138.3	147.6	156.8	166.0
FUEL RATE	20.0	21.5	22.9	24.4	25.9	27.6	29.4	31.6	34.1	37.1
THROTTLE	19.5	22.5	25.7	28.5	30.6	32.0	33.5	36.8	46.3	75.8
MANIFOLD	8.3	7.0	5.8	5.0	4.5	4.2	4.1	3.8	2.9	1.0
SPEED POINT 3000.0										
LOAD POINT	-35.2	0.5	9.3	18.1	26.9	35.8	44.6	53.4	62.2	71.0
FUEL RATE	3.2	11.2	12.5	13.8	15.1	16.4	17.9	19.4	21.1	22.9
THROTTLE	8.0	8.0	10.1	11.5	12.4	13.4	14.6	16.3	18.7	21.8
MANIFOLD	18.0	18.0	16.6	15.6	14.9	14.1	13.1	12.0	10.6	9.2
LOAD POINT	79.8	88.6	97.5	106.3	115.1	123.9	132.7	141.5	150.3	159.2
FUEL RATE	24.9	26.9	29.1	31.3	33.6	35.9	38.1	40.3	42.4	44.2
THROTTLE	25.6	29.6	33.5	36.7	38.9	40.3	41.7	44.9	53.2	75.3
MANIFOLD	7.7	6.3	5.1	4.2	3.6	3.4	3.3	3.3	3.0	2.0
SPEED POINT 3600.0										
LOAD POINT	-44.2	1.0	9.0	17.0	24.9	32.9	40.9	48.9	56.9	64.8
FUEL RATE	3.2	14.1	15.6	17.2	18.9	20.7	22.5	24.3	26.2	28.0
THROTTLE	10.3	10.3	12.7	14.3	15.5	16.7	18.1	20.1	22.7	25.9
MANIFOLD	17.0	17.0	15.7	14.7	14.0	13.3	12.5	11.5	10.4	9.1
LOAD POINT	72.8	80.8	88.8	96.7	104.7	112.7	120.7	128.6	136.6	144.6
FUEL RATE	29.9	31.8	33.8	35.8	37.9	40.1	42.5	45.0	47.8	50.9
THROTTLE	29.7	33.7	37.6	40.9	43.4	45.1	46.8	50.0	57.4	75.4
MANIFOLD	7.7	6.4	5.3	4.4	3.7	3.3	3.2	3.3	3.3	3.0
*ENGINE		C5CMR6		RPM		TORQUE		G/HR(*.1)		
1975 CHRYSLER ENGINE	225.0		CO MAP		CATALYTIC	CONVERTER				
DATA	3.400	4.120	6.	650.	3600.	.0800	.7157			
SPEED POINT 650.0										
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.4	15.4	15.4	15.3	15.2	15.2	15.1	15.1	15.0	15.0
LOAD POINT	5.0	5.0	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6
SPEED POINT 750.0										
LOAD POINT	-1.5	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6
EMISSION RATE	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.2	15.2	15.2	15.1	15.1	15.1	15.0	15.0	14.9	14.9
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.7	14.7	14.6	14.6	14.6	14.5	14.5
SPEED POINT 800.0										
LOAD POINT	-2.2	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.3	15.8	15.7	15.6	15.5	15.4	15.4	15.3	15.2	15.1
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	0.5	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2
SPEED POINT 1000.0										
LOAD POINT	-5.2	0.5	7.6	14.8	21.9	29.0	36.1	43.3	50.4	57.5
EMISSION RATE	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	1.8	1.8	2.4	3.0	3.6	4.3	5.1	5.9	6.8	7.7
MANIFOLD	18.0	18.0	17.2	17.0	17.1	16.8	16.1	14.8	13.1	11.0
LOAD POINT	64.6	71.8	78.9	86.0	93.1	100.3	107.4	114.5	121.7	128.8
EMISSION RATE	0.1	0.1	0.2	0.3	0.6	1.3	3.0	7.6	20.0	38.7
THROTTLE	8.7	9.7	10.8	12.0	13.1	14.4	15.7	17.0	18.4	19.9

MANIFOLD	8.9	7.0	5.4	4.5	4.1	4.3	4.7	4.7	3.7	0.5
SPEED POINT 1600.0										
LOAD POINT	-14.2	0.0	9.3	18.6	27.8	37.1	46.4	55.7	65.0	74.2
EMISSION RATE	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6
THROTTLE	1.0	1.0	2.1	3.5	5.0	6.3	7.6	8.8	10.3	12.0
MANIFOLD	20.0	20.0	18.6	17.4	16.3	15.1	13.7	12.2	10.6	8.9
LOAD POINT	83.5	92.8	102.1	111.4	120.6	129.9	139.2	148.5	157.8	167.0
EMISSION RATE	0.7	0.8	0.9	1.1	1.2	1.3	1.5	1.7	2.3	263.9
THROTTLE	14.0	16.0	18.0	19.4	20.1	20.5	21.3	24.4	35.0	75.7
MANIFOLD	7.4	6.1	5.0	4.3	3.9	3.8	3.8	3.6	2.8	1.0
SPEED POINT 2000.0										
LOAD POINT	-20.2	0.5	9.7	19.0	28.2	37.4	46.7	55.9	65.1	74.4
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	3.2	3.2	4.1	5.2	6.5	7.8	9.3	10.9	12.8	15.1
MANIFOLD	19.9	19.9	17.7	16.2	15.1	14.0	12.9	11.6	10.1	8.6
LOAD POINT	83.6	92.8	102.1	111.3	120.6	129.8	139.0	148.3	157.5	166.7
EMISSION RATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THROTTLE	18.0	21.3	24.4	26.9	27.9	27.6	27.0	28.3	37.0	75.9
MANIFOLD	7.2	6.0	5.0	4.3	4.0	4.0	4.0	3.8	2.9	0.6
SPEED POINT 2500.0										
LOAD POINT	-27.7	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
THROTTLE	5.7	5.7	7.0	8.2	9.3	10.4	11.5	12.8	14.6	16.8
MANIFOLD	19.0	19.0	17.0	15.8	15.0	14.3	13.4	12.3	11.1	9.7
LOAD POINT	83.0	92.2	101.4	110.7	119.9	129.1	138.3	147.6	156.8	166.0
EMISSION RATE	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.9	1.4	446.4
THROTTLE	19.5	22.5	25.7	28.5	30.6	32.0	33.5	36.8	46.3	75.8
MANIFOLD	8.3	7.0	5.8	5.0	4.5	4.2	4.1	3.8	2.9	1.0
SPEED POINT 3000.0										
LOAD POINT	-35.2	0.5	9.3	18.1	26.9	35.8	44.6	53.4	62.2	71.0
EMISSION RATE	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6
THROTTLE	8.0	8.0	10.1	11.5	12.4	13.4	14.6	16.3	18.7	21.8
MANIFOLD	18.0	18.0	16.6	15.6	14.9	14.1	13.1	12.0	10.6	9.2
LOAD POINT	79.8	88.6	97.5	106.3	115.1	123.9	132.7	141.5	150.3	159.2
EMISSION RATE	0.7	0.8	0.9	1.0	1.1	1.2	1.4	1.6	2.2	556.5
THROTTLE	25.6	29.6	33.5	36.7	38.9	40.3	41.7	44.9	53.2	75.3
MANIFOLD	7.7	6.3	5.1	4.2	3.6	3.4	3.3	3.3	3.0	2.0
SPEED POINT 3600.0										
LOAD POINT	-44.2	1.0	9.0	17.0	24.9	32.9	40.9	48.9	56.9	64.8
EMISSION RATE	0.0	0.2	0.4	0.7	1.0	1.2	1.1	0.9	0.6	0.4
THROTTLE	10.3	10.3	12.7	14.3	15.5	16.7	18.1	20.1	22.7	25.9
MANIFOLD	17.0	17.0	15.7	14.7	14.0	13.3	12.5	11.5	10.4	9.1
LOAD POINT	72.8	80.8	88.8	96.7	104.7	112.7	120.7	128.6	136.6	144.6
EMISSION RATE	0.3	0.3	0.3	0.5	1.1	3.4	14.6	72.6	344.8	823.5
THROTTLE	29.7	33.7	37.6	40.9	43.4	45.1	46.8	50.0	57.4	75.4
MANIFOLD	7.7	6.4	5.3	4.4	3.7	3.3	3.2	3.3	3.3	3.0
*ENGINE	H5CMR6	RPM	TORQUE	G/HR						
1975 CHRYS	225.0	ENGINE	HC MAP	CATALYTIC	CONVERTER					
DATA	3.400	4.120	6.	650.	3600.	.0800	.7157			
SPEED POINT 650.0										
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5
EMISSION RATE	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.4	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0
LOAD POINT	5.0	5.6	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0
EMISSION RATE	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6
SPEED POINT 750.0										
LOAD POINT	-1.5	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6
EMISSION RATE	1.1	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5

THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.2	15.2	15.2	15.1	15.1	15.1	15.0	15.0	14.9	14.9
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.7	14.7	14.6	14.6	14.6	14.5	14.5
SPEED POINT 800.0										
LOAD POINT	-2.2	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5
EMISSION RATE	1.1	6.1	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.8	15.8	15.7	15.6	15.5	15.4	15.4	15.3	15.2	15.1
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2
SPEED POINT 1000.0										
LOAD POINT	-5.2	0.5	7.6	14.8	21.9	29.0	36.1	43.3	50.4	57.5
EMISSION RATE	1.1	1.3	1.6	1.4	1.1	0.9	0.8	0.9	1.0	1.2
THROTTLE	1.8	1.8	2.4	3.0	3.6	4.3	5.1	5.9	6.8	7.7
MANIFOLD	18.0	18.0	17.2	17.0	17.1	16.8	16.1	14.8	13.1	11.0
LOAD POINT	64.6	71.8	78.9	86.0	93.1	100.3	107.4	114.5	121.7	128.8
EMISSION RATE	1.5	1.7	1.7	1.5	1.1	0.9	0.8	1.1	3.6	44.9
THROTTLE	8.7	9.7	10.8	12.0	13.1	14.4	15.7	17.0	18.4	19.9
MANIFOLD	8.9	7.0	5.4	4.5	4.1	4.3	4.7	4.7	3.7	0.5
SPEED POINT 1600.0										
LOAD POINT	-14.2	0.0	9.3	18.6	27.8	37.1	46.4	55.7	65.0	74.2
EMISSION RATE	1.1	1.3	5.5	4.4	2.2	1.3	1.2	1.2	1.4	1.7
THROTTLE	1.0	1.0	2.1	3.5	5.0	6.3	7.6	8.8	10.3	12.0
MANIFOLD	20.0	20.0	18.6	17.4	16.3	15.1	13.7	12.2	10.6	8.9
LOAD POINT	83.5	92.8	102.1	111.4	120.6	129.9	139.2	148.5	157.8	167.0
EMISSION RATE	1.7	1.5	1.3	1.2	1.6	3.8	14.8	60.8	75.2	6.0
THROTTLE	14.0	16.0	18.0	19.4	20.1	20.5	21.3	24.4	35.0	75.7
MANIFOLD	7.4	6.1	5.0	4.3	3.9	3.8	3.8	3.6	2.8	1.0
SPEED POINT 2000.0										
LOAD POINT	-20.2	0.5	9.7	19.0	28.2	37.4	46.7	55.9	65.1	74.4
EMISSION RATE	1.1	1.0	1.1	1.3	1.4	1.3	1.3	1.2	1.3	1.4
THROTTLE	3.2	3.2	4.1	5.2	6.5	7.8	9.3	10.9	12.8	15.1
MANIFOLD	19.9	19.9	17.7	16.2	15.1	14.0	12.9	11.6	10.1	8.6
LOAD POINT	83.6	92.8	102.1	111.3	120.6	129.8	139.0	148.3	157.5	166.7
EMISSION RATE	1.4	1.3	1.2	1.2	1.4	2.6	7.9	29.4	50.8	6.3
THROTTLE	18.0	21.3	24.4	26.9	27.9	27.6	27.0	28.3	37.0	75.9
MANIFOLD	7.2	6.0	5.0	4.3	4.0	4.0	4.0	3.8	2.9	0.6
SPEED POINT 2500.0										
LOAD POINT	-27.7	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	1.1	1.6	3.1	1.5	1.0	1.1	1.5	1.7	1.2	0.7
THROTTLE	5.7	5.7	7.0	8.2	9.3	10.4	11.5	12.8	14.6	16.8
MANIFOLD	19.0	19.0	17.0	15.8	15.0	14.3	13.4	12.3	11.1	9.7
LOAD POINT	83.0	92.2	101.4	110.7	119.9	129.1	138.3	147.6	156.8	166.0
EMISSION RATE	0.7	0.7	1.2	6.1	42.3	103.0	103.0	45.4	5.9	21.2
THROTTLE	19.5	22.5	25.7	28.5	30.6	32.0	33.5	36.8	46.3	75.8
MANIFOLD	8.3	7.0	5.8	5.0	4.5	4.2	4.1	3.8	2.9	1.0
SPEED POINT 3000.0										
LOAD POINT	-35.2	0.5	9.3	18.1	26.9	35.8	44.6	53.4	62.2	71.0
EMISSION RATE	1.1	10.2	6.5	4.3	2.9	2.0	1.4	1.0	0.8	0.8
THROTTLE	8.0	8.0	10.1	11.5	12.4	13.4	14.6	16.3	18.7	21.8
MANIFOLD	18.0	18.0	16.6	15.6	14.9	14.1	13.1	12.0	10.6	9.2
LOAD POINT	79.8	88.6	97.5	106.3	115.1	123.9	132.7	141.5	150.3	159.2
EMISSION RATE	0.8	0.8	0.9	1.3	2.1	4.0	8.5	18.4	38.5	56.1
THROTTLE	25.6	29.6	33.5	36.7	38.9	40.3	41.7	44.9	53.2	75.3
MANIFOLD	7.7	6.3	5.1	4.2	3.6	3.4	3.3	3.3	3.0	2.0
SPEED POINT 3600.0										

LOAD POINT	-44.2	1.0	9.0	17.0	24.9	32.9	40.9	48.9	56.9	64.8
EMISSION RATE	1.1	3.8	1.7	1.2	1.2	1.4	1.6	1.7	1.7	1.6
THROTTLE	10.3	10.3	12.7	14.3	15.5	16.7	18.1	20.1	22.7	25.9
MANIFOLD	17.0	17.0	15.7	14.7	14.0	13.3	12.5	11.5	10.4	9.1
LOAD POINT	72.8	80.8	88.8	96.7	104.7	112.7	120.7	128.6	136.6	144.6
EMISSION RATE	1.5	1.4	1.5	1.8	2.7	4.7	9.8	22.9	53.3	86.8
THROTTLE	29.7	33.7	37.6	40.9	43.4	45.1	46.8	50.0	57.4	75.4
MANIFOLD	7.7	6.4	5.3	4.4	3.7	3.3	3.2	3.3	3.3	3.0
*ENGINE		N5CMR6		RPM		TORQUE		G/HR		
1975 CHRYS	225.0	ENGINE	NOX	MAP		CATALYTIC		CONVERTER		
DATA	3.400	4.120	6.	650.	3600.	.0800		.7157		
SPEED POINT	650.0									
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5
EMISSION RATE	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.4	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0
LOAD POINT	5.0	5.6	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0
EMISSION RATE	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6
SPEED POINT	750.0									
LOAD POINT	-1.5	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6
EMISSION RATE	1.8	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.2	15.2	15.2	15.1	15.1	15.1	15.0	15.0	14.9	14.9
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.7	14.7	14.6	14.6	14.6	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-2.2	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5
EMISSION RATE	1.8	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.8	15.8	15.7	15.6	15.5	15.4	15.4	15.3	15.2	15.1
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2
SPEED POINT	1000.0									
LOAD POINT	-5.2	0.5	7.6	14.8	21.9	29.0	36.1	43.3	50.4	57.5
EMISSION RATE	1.8	5.1	2.1	3.0	6.6	14.3	25.4	35.9	42.3	45.2
THROTTLE	1.8	1.8	2.4	3.0	3.6	4.3	5.1	5.9	6.8	7.7
MANIFOLD	18.0	18.0	17.2	17.0	17.1	16.8	16.1	14.8	13.1	11.0
LOAD POINT	64.6	71.8	78.9	86.0	93.1	100.3	107.4	114.5	121.7	128.8
EMISSION RATE	47.2	50.8	57.4	67.6	80.8	94.0	96.3	96.3	89.2	66.2
THROTTLE	8.7	9.7	10.8	12.0	13.1	14.4	15.7	17.0	18.4	19.9
MANIFOLD	8.9	7.0	5.4	4.5	4.1	4.3	4.7	4.7	3.7	0.5
SPEED POINT	1600.0									
LOAD POINT	-14.2	0.0	9.3	18.6	27.8	37.1	46.4	55.7	65.0	74.2
EMISSION RATE	1.8	8.9	11.2	18.6	30.3	43.5	54.6	62.6	70.0	80.2
THROTTLE	1.0	1.0	2.1	3.5	5.0	6.3	7.6	8.8	10.3	12.0
MANIFOLD	20.0	20.0	18.6	17.4	16.3	15.1	13.7	12.2	10.6	8.9
LOAD POINT	83.5	92.8	102.1	111.4	120.6	129.9	139.2	148.5	157.8	167.0
EMISSION RATE	97.2	124.9	165.5	216.5	264.5	281.7	265.7	208.8	142.9	90.9
THROTTLE	14.0	16.0	18.0	19.4	20.1	20.5	21.3	24.4	35.0	75.7
MANIFOLD	7.4	6.1	5.0	4.3	3.9	3.8	3.8	3.6	2.8	1.0
SPEED POINT	2000.0									
LOAD POINT	-20.2	0.5	9.7	19.0	28.2	37.4	46.7	55.9	65.1	74.4
EMISSION RATE	1.8	11.2	16.4	21.4	29.0	41.7	61.8	89.9	122.7	153.8
THROTTLE	3.2	3.2	4.1	5.2	6.5	7.8	9.3	10.9	12.8	15.1
MANIFOLD	19.9	19.9	17.7	16.2	15.1	14.0	12.9	11.6	10.1	8.6

LOAD POINT	83.6	92.8	102.1	111.3	120.6	129.8	139.0	148.3	157.5	166.7
EMISSION RATE	178.4	198.2	221.8	263.5	342.7	480.7	618.5	618.5	476.7	106.9
THROTTLE	18.0	21.3	24.4	26.9	27.9	27.6	27.0	28.3	37.0	75.9
MANIFOLD	7.2	6.0	5.0	4.3	4.0	4.0	4.0	3.8	2.9	0.6
SPEED POINT	2500.0									
LOAD POINT	-27.7	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	1.8	16.1	21.1	30.7	46.7	71.8	107.5	153.1	204.4	254.7
THROTTLE	5.7	5.7	7.0	8.2	9.3	10.4	11.5	12.8	14.6	16.8
MANIFOLD	19.0	19.0	17.0	15.8	15.0	14.3	13.4	12.3	11.1	9.7
LOAD POINT	83.0	92.2	101.4	110.7	119.9	129.1	138.3	147.6	156.8	166.0
EMISSION RATE	297.6	330.0	353.8	374.5	399.8	437.5	494.5	573.8	665.1	729.9
THROTTLE	19.5	22.5	25.7	28.5	30.6	32.0	33.5	36.8	46.3	75.8
MANIFOLD	3.3	7.0	5.8	5.0	4.5	4.2	4.1	3.8	2.9	1.0
SPEED POINT	3000.0									
LOAD POINT	-35.2	0.5	9.3	18.1	26.9	35.8	44.6	53.4	62.2	71.0
EMISSION RATE	1.8	22.8	34.3	60.3	105.9	169.9	240.9	301.8	342.8	366.6
THROTTLE	8.0	8.0	10.1	11.5	12.4	13.4	14.6	16.3	18.7	21.8
MANIFOLD	18.0	18.0	16.6	15.6	14.9	14.1	13.1	12.0	10.6	9.2
LOAD POINT	79.8	88.6	97.5	106.3	115.1	123.9	132.7	141.5	150.3	159.2
EMISSION RATE	385.1	412.2	462.0	548.5	685.4	878.7	1105.3	143.0	143.0	997.8
THROTTLE	25.6	29.6	33.5	36.7	38.9	40.3	41.7	44.9	53.2	75.3
MANIFOLD	7.7	6.3	5.1	4.2	3.6	3.4	3.3	3.3	3.0	2.0
SPEED POINT	3600.0									
LOAD POINT	-44.2	1.0	9.0	17.0	24.9	32.9	40.9	48.9	56.9	64.8
EMISSION RATE	1.8	40.9	95.9	132.1	173.5	250.5	375.4	523.3	628.1	643.0
THROTTLE	10.3	10.3	12.7	14.3	15.5	16.7	18.1	20.1	22.7	25.9
MANIFOLD	17.0	17.0	15.7	14.7	14.0	13.3	12.5	11.5	10.4	9.1
LOAD POINT	72.8	80.8	88.8	96.7	104.7	112.7	120.7	128.6	136.6	144.6
EMISSION RATE	594.3	545.5	546.1	628.0	812.4	1071.8	1084.0	1064.0	863.9	840.6
THROTTLE	29.7	33.7	37.6	40.9	43.4	45.1	46.8	50.0	57.4	75.4
MANIFOLD	7.7	6.4	5.3	4.4	3.7	3.3	3.2	3.3	3.3	3.0
*ENGINE		X5CMR6		RPM		TORQUE		G/HR(*.1)		
1975 CHRYS	225.0	ENGINE	RAW	CO	MAP	CATALYTIC	CONVERTER			
DATA	3.400	4.120	6.	650.	3600.	.0800	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5
EMISSION RATE	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.4	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0
LOAD POINT	5.0	5.6	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0
EMISSION RATE	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6
SPEED POINT	750.0									
LOAD POINT	-1.5	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6
EMISSION RATE	3.9	4.5	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.2	15.2	15.2	15.1	15.1	15.1	15.0	15.0	14.9	14.9
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.7	14.7	14.6	14.6	14.6	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-2.2	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5
EMISSION RATE	3.9	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.8	15.8	15.7	15.6	15.5	15.4	15.4	15.3	15.2	15.1
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2

SPEED POINT	1000.0									
LOAD POINT	-5.2	0.5	7.6	14.8	21.9	29.0	36.1	43.3	50.4	57.5
EMISSION RATE	3.9	5.1	4.1	4.7	4.5	3.4	2.5	2.4	2.4	3.3
THROTTLE	1.8	1.8	2.4	3.0	3.6	4.3	5.1	5.9	6.8	7.7
MANIFOLD	18.0	18.0	17.2	17.0	17.1	16.8	16.1	14.8	13.1	11.0
LOAD POINT	64.6	71.8	78.9	86.0	93.1	100.3	107.4	114.5	121.7	128.8
EMISSION RATE	6.3	12.7	23.9	37.7	48.8	55.9	64.9	82.9	99.8	58.8
THROTTLE	8.7	9.7	10.8	12.0	13.1	14.4	15.7	17.0	18.4	19.9
MANIFOLD	8.9	7.0	5.4	4.5	4.1	4.3	4.7	4.7	3.7	0.5
SPEED POINT	1600.0									
LOAD POINT	-14.2	0.0	9.3	18.6	27.8	37.1	46.4	55.7	65.0	74.2
EMISSION RATE	3.9	8.4	5.2	4.9	5.6	6.8	8.1	9.1	9.6	9.6
THROTTLE	1.0	1.0	2.1	3.5	5.0	6.3	7.6	8.8	10.3	12.0
MANIFOLD	20.0	20.0	18.6	17.4	16.3	15.1	13.7	12.2	10.6	8.9
LOAD POINT	83.5	92.8	102.1	111.4	120.6	129.9	139.2	148.5	157.8	167.0
EMISSION RATE	9.8	10.7	12.9	18.3	30.5	59.1	124.5	253.7	398.0	398.0
THROTTLE	14.0	16.0	18.0	19.4	20.1	20.5	21.3	24.4	35.0	75.7
MANIFOLD	7.4	6.1	5.0	4.3	3.9	3.8	3.8	3.6	2.8	1.0
SPEED POINT	2000.0									
LOAD POINT	-20.2	0.5	9.7	19.0	28.2	37.4	46.7	55.9	65.1	74.4
EMISSION RATE	3.9	7.7	8.1	9.4	11.0	12.3	12.9	12.8	12.2	11.5
THROTTLE	3.2	3.2	4.1	5.2	6.5	7.8	9.3	10.9	12.8	15.1
MANIFOLD	19.9	19.9	17.7	16.2	15.1	14.0	12.9	11.6	10.1	8.6
LOAD POINT	83.6	92.8	102.1	111.3	120.6	129.8	139.0	148.3	157.5	166.7
EMISSION RATE	11.2	11.9	14.0	19.0	29.7	53.0	102.8	200.3	348.0	436.8
THROTTLE	18.0	21.3	24.4	26.9	27.9	27.6	27.0	28.3	37.0	75.9
MANIFOLD	7.2	6.0	5.0	4.3	4.0	4.0	4.0	3.8	2.9	0.6
SPEED POINT	2500.0									
LOAD POINT	-27.7	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	3.9	13.9	13.5	13.8	14.9	16.1	17.0	17.3	17.1	16.6
THROTTLE	5.7	5.7	7.0	8.2	9.3	10.4	11.5	12.8	14.6	16.8
MANIFOLD	19.0	19.0	17.0	15.8	15.0	14.3	13.4	12.3	11.1	9.7
LOAD POINT	83.0	92.2	101.4	110.7	119.9	129.1	138.3	147.6	156.8	166.0
EMISSION RATE	16.1	15.9	16.6	18.6	23.1	32.5	52.4	97.7	209.7	481.3
THROTTLE	19.5	22.5	25.7	28.5	30.6	32.0	33.5	36.8	46.3	75.8
MANIFOLD	8.3	7.0	5.8	5.0	4.5	4.2	4.1	3.8	2.9	1.0
SPEED POINT	3000.0									
LOAD POINT	-35.2	0.5	9.3	18.1	26.9	35.8	44.6	53.4	62.2	71.0
EMISSION RATE	3.9	21.0	17.3	18.3	21.6	25.1	27.0	26.2	23.2	19.5
THROTTLE	8.0	8.0	10.1	11.5	12.4	13.4	14.6	16.3	18.7	21.8
MANIFOLD	18.0	18.0	16.6	15.6	14.9	14.1	13.1	12.0	10.6	9.2
LOAD POINT	79.8	88.6	97.5	106.3	115.1	123.9	132.7	141.5	150.3	159.2
EMISSION RATE	17.3	17.3	17.3	17.5	25.2	43.8	88.9	194.0	395.8	533.2
THROTTLE	25.6	29.6	33.5	36.7	38.9	40.3	41.7	44.9	53.2	75.3
MANIFOLD	7.7	6.3	5.1	4.2	3.6	3.4	3.3	3.3	3.0	2.0
SPEED POINT	3600.0									
LOAD POINT	-44.2	1.0	9.0	17.0	24.9	32.9	40.9	48.9	56.9	64.8
EMISSION RATE	3.9	24.9	20.6	23.9	31.2	39.4	44.2	42.6	35.8	27.3
THROTTLE	10.3	10.3	12.7	14.3	15.5	16.7	18.1	20.1	22.7	25.9
MANIFOLD	17.0	17.0	15.7	14.7	14.0	13.3	12.5	11.5	10.4	9.1
LOAD POINT	72.8	80.8	88.8	96.7	104.7	112.7	120.7	128.6	136.6	144.6
EMISSION RATE	20.1	15.5	13.5	14.1	18.8	32.2	69.5	175.4	452.0	850.7
THROTTLE	29.7	33.7	37.6	40.9	43.4	45.1	46.8	50.0	57.4	75.4
MANIFOLD	7.7	6.4	5.3	4.4	3.7	3.3	3.2	3.3	3.3	3.0
*ENGINE	Y5CMR6			RPM		TORQUE		G/HR		
1975 CHRYSLER	225.0	ENGINE	RAW HC	MAP		CATALYTIC		CONVERTER		
DATA	3.400	4.120	6.	650.	3600.	.0800	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5
EMISSION RATE	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MANIFOLD	15.4	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0
LOAD POINT	5.0	5.6	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0
EMISSION RATE	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6
SPEED POINT	750.0									
LOAD POINT	-1.5	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6
EMISSION RATE	10.6	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.2	15.2	15.2	15.1	15.1	15.1	15.0	15.0	14.9	14.9
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.7	14.7	14.6	14.6	14.6	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-2.2	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5
EMISSION RATE	10.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.8	15.8	15.7	15.6	15.5	15.4	15.4	15.3	15.2	15.1
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2
SPEED POINT	1000.0									
LOAD POINT	-5.2	0.5	7.6	14.8	21.9	29.0	36.1	43.3	50.4	57.5
EMISSION RATE	10.6	7.4	9.8	13.2	16.7	19.7	21.8	22.9	23.0	22.5
THROTTLE	1.8	1.8	2.4	3.0	3.6	4.3	5.1	5.9	6.8	7.7
MANIFOLD	18.0	18.0	17.2	17.0	17.1	16.8	16.1	14.8	13.1	11.0
LOAD POINT	64.6	71.8	78.9	86.0	93.1	100.3	107.4	114.5	121.7	128.8
EMISSION RATE	21.7	21.1	20.8	21.1	21.9	23.2	24.8	26.0	25.6	22.6
THROTTLE	8.7	9.7	10.8	12.0	13.1	14.4	15.7	17.0	18.4	19.9
MANIFOLD	8.9	7.0	5.4	4.5	4.1	4.3	4.7	4.7	3.7	0.5
SPEED POINT	1600.0									
LOAD POINT	-14.2	0.0	9.3	18.6	27.8	37.1	46.4	55.7	65.0	74.2
EMISSION RATE	10.6	70.3	60.3	51.6	44.2	38.2	33.3	29.6	27.1	25.5
THROTTLE	1.0	1.0	2.1	3.5	5.0	6.3	7.6	8.8	10.3	12.0
MANIFOLD	20.0	20.0	18.6	17.4	16.3	15.1	13.7	12.2	10.6	8.9
LOAD POINT	83.5	92.8	102.1	111.4	120.6	129.9	139.2	148.5	157.8	167.0
EMISSION RATE	25.1	25.5	26.8	29.0	32.0	35.8	40.2	45.3	50.9	57.1
THROTTLE	14.0	16.0	18.0	19.4	20.1	20.5	21.3	24.4	35.0	75.7
MANIFOLD	7.4	6.1	5.0	4.3	3.9	3.8	3.8	3.6	2.8	1.0
SPEED POINT	2000.0									
LOAD POINT	-20.2	0.5	9.7	19.0	28.2	37.4	46.7	55.9	65.1	74.4
EMISSION RATE	10.6	111.9	59.2	43.0	37.6	36.0	35.3	34.6	33.2	31.7
THROTTLE	3.2	3.2	4.1	5.2	6.5	7.9	9.3	10.9	12.8	15.1
MANIFOLD	19.9	19.9	17.7	16.2	15.1	14.0	12.9	11.6	10.1	8.6
LOAD POINT	83.6	92.8	102.1	111.3	120.6	129.8	139.0	148.3	157.5	166.7
EMISSION RATE	30.4	30.1	31.3	34.9	41.8	53.1	68.9	85.8	92.6	75.3
THROTTLE	18.0	21.3	24.4	26.9	27.9	27.6	27.0	28.3	37.0	75.9
MANIFOLD	7.2	6.0	5.0	4.3	4.0	4.0	4.0	3.8	2.9	0.6
SPEED POINT	2500.0									
LOAD POINT	-27.7	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	10.6	108.0	104.0	91.3	75.1	59.2	45.8	35.5	28.1	23.1
THROTTLE	5.7	5.7	7.0	8.2	9.3	10.4	11.5	12.8	14.6	16.8
MANIFOLD	19.0	19.0	17.0	15.8	15.0	14.3	13.4	12.3	11.1	9.7
LOAD POINT	83.0	92.2	101.4	110.7	119.9	129.1	138.3	147.6	156.8	166.0
EMISSION RATE	20.0	18.3	18.0	18.9	21.3	25.4	31.8	40.8	52.7	66.2
THROTTLE	19.5	22.5	25.7	28.5	30.6	32.0	33.5	36.8	46.3	75.8
MANIFOLD	8.3	7.0	5.8	5.0	4.5	4.2	4.1	3.8	2.9	1.0
SPEED POINT	3000.0									
LOAD POINT	-35.2	0.5	9.3	18.1	26.9	35.8	44.6	53.4	62.2	71.0

EMISSION RATE	10.6	203.9	104.9	70.0	56.0	47.3	39.2	30.8	23.1	16.9
THROTTLE	8.0	8.0	10.1	11.5	12.4	13.4	14.6	16.3	18.7	21.8
MANIFOLD	18.0	18.0	16.6	15.6	14.9	14.1	13.1	12.0	10.6	9.2
LOAD POINT	79.8	88.6	97.5	106.3	115.1	123.9	132.7	141.5	150.3	159.2
EMISSION RATE	12.7	10.3	9.4	10.1	12.9	19.7	33.7	59.2	91.2	99.2
THROTTLE	25.6	29.6	33.5	36.7	38.9	40.3	41.7	44.9	53.2	75.3
MANIFOLD	7.7	6.3	5.1	4.2	3.6	3.4	3.3	3.3	3.0	2.0
SPEED POINT	3600.0									
LOAD POINT	-44.2	1.0	9.0	17.0	24.9	32.9	40.9	48.9	56.9	64.8
EMISSION RATE	10.6	179.9	138.7	93.4	60.5	40.2	28.6	22.0	18.5	16.7
THROTTLE	10.3	10.3	12.7	14.3	15.5	16.7	18.1	20.1	22.7	25.9
MANIFOLD	17.0	17.0	15.7	14.7	14.0	13.3	12.5	11.5	10.4	9.1
LOAD POINT	72.8	80.8	88.8	96.7	104.7	112.7	120.7	128.6	136.6	144.6
EMISSION RATE	15.9	15.8	15.9	16.3	17.0	18.5	22.0	30.7	56.2	155.8
THROTTLE	29.7	33.7	37.6	40.9	43.4	45.1	46.8	50.0	57.4	75.4
MANIFOLD	7.7	6.4	5.3	4.4	3.7	3.3	3.2	3.3	3.3	3.0
*ENGINE		Z5CMR6		RPM		TORQUE		G/HR		
1975 CHRYS	225.0	ENGINE	RAW	NCX	MAP	CATALYTIC	CONVERTER			
DATA	3.400	4.120	6.	650.	3600.	.0800	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5
EMISSION RATE	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.4	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.1	15.0
LOAD POINT	5.0	5.6	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0
EMISSION RATE	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6
SPEED POINT	750.0									
LOAD POINT	-1.5	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6
EMISSION RATE	2.0	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.2	15.2	15.2	15.1	15.1	15.1	15.0	15.0	14.9	14.9
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.8	14.8	14.8	14.7	14.7	14.6	14.6	14.6	14.5	14.5
SPEED POINT	800.0									
LOAD POINT	-2.2	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5
EMISSION RATE	2.0	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.8	15.8	15.7	15.6	15.5	15.4	15.4	15.3	15.2	15.1
LOAD POINT	5.1	5.7	6.3	6.8	7.4	8.0	8.5	9.1	9.7	10.2
EMISSION RATE	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.0	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2
SPEED POINT	1000.0									
LOAD POINT	-5.2	0.5	7.6	14.8	21.9	29.0	36.1	43.3	50.4	57.5
EMISSION RATE	2.0	3.9	4.9	8.3	14.6	23.5	33.2	41.1	46.5	50.3
THROTTLE	1.8	1.8	2.4	3.0	3.6	4.3	5.1	5.9	6.8	7.7
MANIFOLD	18.0	18.0	17.2	17.0	17.1	16.8	16.1	14.8	13.1	11.0
LOAD POINT	64.6	71.8	78.9	86.0	93.1	100.3	107.4	114.5	121.7	128.8
EMISSION RATE	54.2	59.9	68.5	80.2	93.8	106.9	118.1	130.9	163.3	287.8
THROTTLE	8.7	9.7	10.8	12.0	13.1	14.4	15.7	17.0	18.4	19.9
MANIFOLD	8.9	7.0	5.4	4.5	4.1	4.3	4.7	4.7	3.7	0.5
SPEED POINT	1600.0									
LOAD POINT	-14.2	0.0	9.3	18.0	27.8	37.1	46.4	55.7	65.0	74.2
EMISSION RATE	2.0	7.5	11.4	18.1	26.2	35.7	46.7	59.1	73.3	89.3
THROTTLE	1.0	1.0	2.1	3.5	5.0	6.3	7.6	8.8	10.3	12.0
MANIFOLD	20.0	20.0	18.6	17.4	16.3	15.1	13.7	12.2	10.6	8.9
LOAD POINT	83.5	92.8	102.1	111.4	120.6	129.9	139.2	148.5	157.8	167.0



EMISSION RATE	107.2	126.9	148.1	170.5	193.9	218.8	246.7	280.9	328.4	403.0
THROTTLE	14.0	16.0	18.0	19.4	20.1	20.5	21.3	24.4	35.0	75.7
MANIFOLD	7.4	6.1	5.0	4.3	3.9	3.8	3.8	3.6	2.8	1.0
SPEED POINT	2000.0									
LOAD POINT	-20.2	0.5	9.7	19.0	28.2	37.4	46.7	55.9	65.1	74.4
EMISSION RATE	2.0	9.0	17.3	19.8	24.5	37.1	61.9	98.9	136.5	159.8
THROTTLE	3.2	3.2	4.1	5.2	6.5	7.8	9.3	10.9	12.8	15.1
MANIFOLD	19.9	19.9	17.7	16.2	15.1	14.0	12.9	11.6	10.1	8.6
LOAD POINT	83.6	92.8	102.1	111.3	120.6	129.8	139.0	148.3	157.5	166.7
EMISSION RATE	168.6	177.6	205.6	273.8	402.7	577.8	613.6	610.9	472.0	613.5
THROTTLE	18.0	21.3	24.4	26.9	27.9	27.6	27.0	28.3	37.0	75.9
MANIFOLD	7.2	6.0	5.0	4.3	4.0	4.0	4.0	3.8	2.9	0.6
SPEED POINT	2500.0									
LOAD POINT	-27.7	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	2.0	13.2	23.9	27.1	34.2	54.4	98.9	174.3	261.8	318.8
THROTTLE	5.7	5.7	7.0	8.2	9.3	10.4	11.5	12.8	14.6	16.8
MANIFOLD	19.0	19.0	17.0	15.8	15.0	14.3	13.4	12.3	11.1	9.7
LOAD POINT	83.0	92.2	101.4	110.7	119.9	129.1	138.3	147.6	156.8	166.0
EMISSION RATE	326.3	309.0	304.3	341.6	449.7	656.7	935.7	1121.3	1063.2	973.2
THROTTLE	19.5	22.5	25.7	28.5	30.6	32.0	33.5	36.8	46.3	75.8
MANIFOLD	8.3	7.0	5.8	5.0	4.5	4.2	4.1	3.8	2.9	1.0
SPEED POINT	3000.0									
LOAD POINT	-35.2	0.5	9.3	18.1	26.9	35.8	44.6	53.4	62.2	71.0
EMISSION RATE	2.0	18.1	30.7	57.6	104.6	170.7	243.7	306.3	348.9	374.5
THROTTLE	8.0	8.0	10.1	11.5	12.4	13.4	14.6	16.3	18.7	21.8
MANIFOLD	18.0	18.0	16.6	15.6	14.9	14.1	13.1	12.0	10.6	9.2
LOAD POINT	79.8	88.6	97.5	106.3	115.1	123.9	132.7	141.5	150.3	159.2
EMISSION RATE	394.6	422.8	472.0	554.7	681.9	857.3	1061.5	1151.0	1151.0	1107.4
THROTTLE	25.6	29.6	33.5	36.7	38.9	40.3	41.7	44.9	53.2	75.3
MANIFOLD	7.7	6.3	5.1	4.2	3.6	3.4	3.3	3.3	3.0	2.0
SPEED POINT	3600.0									
LOAD POINT	-44.2	1.0	9.0	17.0	24.9	32.9	40.9	48.9	56.9	64.8
EMISSION RATE	2.0	37.7	91.6	127.2	169.5	250.5	383.9	540.3	642.4	640.0
THROTTLE	10.3	10.3	12.7	14.3	15.5	16.7	18.1	20.1	22.7	25.9
MANIFOLD	17.0	17.0	15.7	14.7	14.0	13.3	12.5	11.5	10.4	9.1
LOAD POINT	72.8	80.8	88.8	96.7	104.7	112.7	120.7	128.6	136.6	144.6
EMISSION RATE	569.9	505.1	495.7	571.9	761.3	1051.4	1146.0	1146.0	903.2	839.1
THROTTLE	29.7	33.7	37.6	40.9	43.4	45.1	46.8	50.0	57.4	75.4
MANIFOLD	7.7	6.4	5.3	4.4	3.7	3.3	3.2	3.3	3.3	3.0

C.5 1975 CHRYSLER 318 CID (5.21 LITER), 2 BBL

*ENGINE 1975 CHRYSLER DATA 2 BBL	F5CJN6 ENGINE 318.0	F5CJN6 ENGINE 3.310	RPM FUEL MAP 8.	RPM FUEL MAP 650.	TORQUE CATALYTIC 4000.	TORQUE CATALYTIC .0900	LB/HR CONVERTER .7157				
SPEED POINT	650.0										
LOAD POINT	0.0	17.7	18.4	19.2	20.0	20.7	21.5	22.2	23.0	23.8	
FUEL RATE	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.1	
LOAD POINT	24.5	25.3	26.1	26.8	27.6	28.4	29.1	29.9	30.7	31.4	
FUEL RATE	4.6	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.1	5.2	
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.6	15.4	
SPEED POINT	750.0										
LOAD POINT	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FUEL RATE	4.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FUEL RATE	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	
SPEED POINT	1200.0										
LOAD POINT	-11.4	0.0	14.7	29.5	44.2	59.0	73.7	88.5	103.2	118.0	
FUEL RATE	4.3	5.6	6.0	6.8	7.8	8.9	10.2	11.4	12.7	13.9	
THRATTLE	0.5	0.5	1.1	1.7	2.1	2.5	3.2	4.0	5.3	6.8	
MANIFOLD	21.2	21.2	21.2	20.4	19.0	17.2	15.3	13.3	11.4	9.6	
LOAD POINT	132.7	147.4	162.2	176.9	191.7	206.4	221.2	235.9	250.7	265.4	
FUEL RATE	15.1	16.2	17.4	18.5	19.8	21.2	22.8	24.6	26.9	29.7	
THRATTLE	8.5	10.2	11.9	13.6	15.9	19.5	25.5	35.6	50.0	61.9	
MANIFOLD	8.0	6.5	5.2	4.0	3.0	2.1	1.4	1.0	1.0	1.0	
SPEED POINT	1500.0										
LOAD POINT	-17.7	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5	120.5	
FUEL RATE	4.3	6.8	7.6	8.8	9.9	11.2	12.6	14.2	16.0	17.9	
THRATTLE	0.9	0.9	1.3	2.6	3.4	4.2	5.2	6.4	7.9	9.6	
MANIFOLD	22.4	22.4	21.8	20.5	18.7	16.6	14.4	12.2	10.1	8.2	
LOAD POINT	135.6	150.7	165.7	180.8	195.9	210.9	226.0	241.1	256.1	271.2	
FUEL RATE	20.1	22.3	24.7	27.2	29.6	31.9	33.9	35.7	36.9	37.4	
THRATTLE	11.8	14.5	17.8	21.6	26.2	31.5	37.7	44.8	52.8	61.9	
MANIFOLD	6.5	5.2	4.2	3.6	3.1	2.9	2.8	2.6	2.2	1.5	
SPEED POINT	2000.0										
LOAD POINT	-28.1	0.0	15.1	30.1	45.2	60.2	75.3	90.3	105.4	120.4	
FUEL RATE	4.3	8.6	9.9	11.4	13.1	15.0	17.0	19.0	21.2	23.4	
THRATTLE	2.0	2.0	2.6	3.4	4.4	5.5	6.8	8.3	10.0	12.1	
MANIFOLD	22.2	22.2	20.8	19.1	17.5	15.8	14.2	12.5	10.8	9.3	
LOAD POINT	135.5	150.6	165.6	180.7	195.7	210.8	225.8	240.9	255.9	271.0	
FUEL RATE	25.6	28.0	30.3	32.8	35.3	37.8	40.4	43.1	45.8	48.6	
THRATTLE	14.6	17.5	20.8	24.7	29.2	34.2	40.0	46.4	53.7	61.7	
MANIFOLD	7.8	6.5	5.4	4.5	3.8	3.3	2.9	2.7	2.3	1.8	
SPEED POINT	2500.0										
LOAD POINT	-38.5	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4	
FUEL RATE	4.3	11.3	12.7	14.6	16.7	19.0	21.5	24.1	26.8	29.5	
THRATTLE	5.0	5.0	6.1	7.1	8.2	9.6	11.5	14.0	17.0	20.3	
MANIFOLD	20.8	20.8	19.5	18.4	17.2	15.9	14.5	13.0	11.4	9.8	
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.4	
FUEL RATE	32.2	35.0	37.7	40.5	43.3	46.2	49.2	52.3	55.6	59.1	
THRATTLE	23.7	26.6	29.3	31.3	32.9	34.8	37.8	42.6	50.5	62.5	
MANIFOLD	8.3	6.9	5.7	4.8	4.1	3.7	3.5	3.3	3.0	2.3	
SPEED POINT	3000.0										
LOAD POINT	-48.9	0.0	13.9	27.9	41.8	55.7	69.7	83.6	97.6	111.5	
FUEL RATE	4.3	13.9	15.9	17.9	20.0	22.2	24.7	27.4	30.3	33.5	
THRATTLE	7.0	7.0	7.6	8.6	9.8	11.4	13.3	15.4	17.9	20.6	

MANIFOLD	20.4	20.4	19.4	18.1	16.8	15.4	14.0	12.6	11.3	10.1
LOAD POINT	125.4	139.4	153.3	167.2	181.2	195.1	209.1	223.0	236.9	250.9
FUEL RATE	36.9	40.6	44.4	48.3	52.2	56.0	59.6	63.0	65.9	68.1
THROTTLE	23.6	27.0	30.5	34.4	38.6	43.0	47.6	52.6	57.8	63.0
MANIFOLD	9.0	7.9	6.9	5.9	4.9	4.1	3.4	2.9	2.8	2.8
SPEED POINT	3500.0									
LOAD POINT	-59.3	0.0	12.7	25.4	38.0	50.7	63.4	76.1	88.8	101.4
FUEL RATE	4.3	16.1	17.8	19.9	22.3	24.8	27.5	30.3	33.2	36.1
THROTTLE	7.9	7.9	8.9	10.2	11.5	13.0	14.6	16.3	18.2	20.4
MANIFOLD	20.0	20.0	19.0	17.9	16.9	15.8	14.7	13.4	12.1	10.8
LOAD POINT	114.1	126.8	139.5	152.2	164.8	177.5	190.2	202.9	215.6	228.2
FUEL RATE	39.0	42.0	45.1	48.4	51.9	55.6	59.8	64.5	69.8	75.7
THROTTLE	22.9	25.7	28.8	32.1	35.7	39.2	42.9	46.9	52.3	61.0
MANIFOLD	9.4	8.1	7.0	6.0	5.2	4.6	4.2	3.9	3.7	3.4
SPEED POINT	4000.0									
LOAD POINT	-69.7	0.0	11.4	22.8	34.1	45.5	56.9	68.3	79.7	91.0
FUEL RATE	4.3	19.1	21.0	23.2	25.6	28.2	31.1	34.1	37.2	40.5
THROTTLE	9.6	9.6	11.0	12.4	13.8	15.4	17.1	18.9	20.9	23.1
MANIFOLD	19.7	19.7	19.2	18.3	17.2	15.9	14.5	13.1	11.6	10.2
LOAD POINT	102.4	113.8	125.2	136.6	147.9	159.3	170.7	182.1	193.4	204.8
FUEL RATE	44.0	47.5	51.2	55.0	58.9	63.0	67.2	71.5	76.1	80.9
THROTTLE	25.6	28.3	31.3	34.5	38.2	42.1	46.5	51.3	56.5	62.2
MANIFOLD	8.9	7.8	6.8	6.0	5.4	4.9	4.6	4.3	4.0	3.6
*ENGINE		C5CJN6		RPM		TORQUE		G/HR(*.1)		
1975 CHRYSLER	318.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	3.910	3.310	8.	650.	4000.	.0900	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	17.7	18.4	19.2	20.0	20.7	21.5	22.2	23.0	23.8
EMISSION RATE	11.8	11.8	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.1
LOAD PCINT	24.5	25.3	26.1	26.8	27.6	28.4	29.1	29.9	30.7	31.4
EMISSION RATE	12.7	12.0	11.2	10.2	9.0	7.7	6.2	4.5	2.7	0.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.6	15.4
SPEED POINT	750.0									
LOAD POINT	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	11.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
SPEED POINT	1200.0									
LOAD POINT	-11.4	0.0	14.7	29.5	44.2	59.0	73.7	88.5	103.2	118.0
EMISSION RATE	11.8	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.4
THROTTLE	0.5	0.5	1.1	1.7	2.1	2.5	3.2	4.0	5.3	6.8
MANIFOLD	21.2	21.2	21.2	20.4	19.0	17.2	15.3	13.3	11.4	9.6
LOAD PCINT	132.7	147.4	162.2	176.9	191.7	206.4	221.2	235.9	250.7	265.4
EMISSION RATE	0.6	0.9	1.3	1.6	1.9	2.2	3.1	4.1	5.1	6.1
THROTTLE	8.5	10.2	11.9	13.6	15.9	19.5	25.5	35.6	50.0	61.9
MANIFOLD	8.0	6.5	5.2	4.0	3.0	2.1	1.4	1.0	1.0	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.7	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5	120.5
EMISSION RATE	11.8	1.3	0.4	0.2	0.2	0.2	0.3	0.3	0.4	0.5
THROTTLE	0.9	0.9	1.8	2.6	3.4	4.2	5.2	6.4	7.9	9.6
MANIFOLD	22.4	22.4	21.8	20.5	18.7	16.6	14.4	12.2	10.1	8.2
LOAD POINT	135.6	150.7	165.7	180.8	195.9	210.9	226.0	241.1	256.1	271.2
EMISSION RATE	0.5	0.6	0.6	0.7	0.9	1.6	3.8	13.9	88.1	1075.6
THROTTLE	11.8	14.5	17.8	21.6	26.2	31.5	37.7	44.8	52.8	61.9

MANIFOLD	6.5	5.2	4.2	3.6	3.1	2.9	2.8	2.6	2.2	1.5
SPEED POINT	2000.0									
LOAD POINT	-28.1	0.0	15.1	30.1	45.2	60.2	75.3	90.3	105.4	120.4
EMISSION RATE	11.8	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5
THROTTLE	2.0	2.0	2.6	3.4	4.4	5.5	6.8	8.3	10.0	12.1
MANIFOLD	22.2	22.2	20.8	19.1	17.5	15.8	14.2	12.5	10.8	9.3
LOAD POINT	135.5	150.6	165.6	180.7	195.7	210.8	225.8	240.9	255.9	271.0
EMISSION RATE	0.6	0.7	0.7	0.8	1.0	1.4	2.8	9.0	62.71	252.7
THROTTLE	14.6	17.5	20.8	24.7	29.2	34.2	40.0	46.4	53.7	61.7
MANIFOLD	7.8	6.5	5.4	4.5	3.8	3.3	2.9	2.7	2.3	1.8
SPEED POINT	2500.0									
LOAD POINT	-38.5	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	11.8	0.8	0.6	0.6	0.9	1.5	2.2	2.6	2.4	1.9
THROTTLE	5.0	5.0	6.1	7.1	8.2	9.6	11.5	14.0	17.0	20.3
MANIFOLD	20.8	20.8	19.5	18.4	17.2	15.9	14.5	13.0	11.4	9.8
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.4
EMISSION RATE	1.3	1.0	0.8	1.0	1.5	3.7	13.2	62.3	321.4	1328.2
THROTTLE	23.7	26.8	29.3	31.3	32.9	34.8	37.8	42.6	50.5	62.5
MANIFOLD	8.3	6.9	5.7	4.8	4.1	3.7	3.5	3.3	3.0	2.3
SPEED POINT	3000.0									
LOAD POINT	-48.9	0.0	13.9	27.9	41.8	55.7	69.7	83.6	97.6	111.5
EMISSION RATE	11.8	0.8	0.7	0.7	0.7	0.8	0.9	1.1	1.2	1.4
THROTTLE	7.0	7.0	7.6	8.6	9.8	11.4	13.3	15.4	17.9	20.6
MANIFOLD	20.4	20.4	19.4	18.1	16.8	15.4	14.0	12.6	11.3	10.1
LOAD POINT	125.4	139.4	153.3	167.2	181.2	195.1	209.1	223.0	236.9	250.9
EMISSION RATE	1.4	1.5	1.5	1.7	2.0	2.9	5.8	18.0	104.1	1374.4
THROTTLE	23.6	27.0	30.5	34.4	38.6	43.0	47.6	52.6	57.8	63.0
MANIFOLD	9.0	7.9	6.9	5.9	4.9	4.1	3.4	2.9	2.8	2.8
SPEED POINT	3500.0									
LOAD POINT	-59.3	0.0	12.7	25.4	38.0	50.7	63.4	76.1	88.8	101.4
EMISSION RATE	11.8	0.7	0.7	0.7	0.8	0.9	1.0	1.2	1.4	1.5
THROTTLE	7.9	7.9	6.9	10.2	11.5	13.0	14.6	16.3	18.2	20.4
MANIFOLD	20.0	20.0	19.0	17.9	16.9	15.8	14.7	13.4	12.1	10.8
LOAD POINT	114.1	126.8	139.5	152.2	164.8	177.5	190.2	202.9	215.6	228.2
EMISSION RATE	1.6	1.6	1.6	1.7	2.0	2.8	5.3	16.6	100.2	1491.0
THROTTLE	22.9	25.7	28.8	32.1	35.7	39.2	42.9	46.9	52.3	61.0
MANIFOLD	9.4	8.1	7.0	6.0	5.2	4.6	4.2	3.9	3.7	3.4
SPEED POINT	4000.0									
LOAD POINT	-69.7	0.0	11.4	22.8	34.1	45.5	56.9	68.3	79.7	91.0
EMISSION RATE	11.8	0.6	0.7	0.7	0.8	1.0	1.1	1.3	1.4	1.4
THROTTLE	9.6	9.6	11.0	12.4	13.8	15.4	17.1	18.9	20.9	23.1
MANIFOLD	19.7	19.7	19.2	18.3	17.2	15.9	14.5	13.1	11.6	10.2
LOAD POINT	102.4	113.8	125.2	136.6	147.9	159.3	170.7	182.1	193.4	204.8
EMISSION RATE	1.5	1.5	1.7	2.0	2.7	4.7	10.6	35.5	190.5	1827.0
THROTTLE	25.6	28.3	31.3	34.5	38.2	42.1	46.5	51.3	56.5	62.2
MANIFOLD	8.9	7.8	6.8	6.0	5.4	4.9	4.6	4.3	4.0	3.6
*ENGINE		H5CJN6		RPM		TORQUE		G/HK		
1975 CHRYSLER	318.0	ENGINE	HC MAP		CATALYTIC	CONVERTER				
DATA	3.910	3.310	8.	650.	4000.	.0900	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	17.7	18.4	19.2	20.0	20.7	21.5	22.2	23.0	23.8
EMISSION RATE	15.7	15.7	16.8	17.7	17.8	17.8	17.8	17.8	17.8	17.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.1
LOAD POINT	24.5	25.3	26.1	26.8	27.6	28.4	29.1	29.9	30.7	31.4
EMISSION RATE	17.8	16.9	15.9	14.6	13.1	11.4	9.5	7.4	5.0	2.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.6	15.4
SPEED POINT	750.0									
LOAD POINT	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	15.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6

THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
SPEED POINT 1200.0										
LOAD POINT	-11.4	0.0	14.7	29.5	44.2	59.0	73.7	88.5	103.2	118.0
EMISSION RATE	15.7	1.4	1.8	2.3	2.9	3.5	4.0	4.3	4.5	4.6
THROTTLE	0.5	0.5	1.1	1.7	2.1	2.5	3.2	4.0	5.3	6.8
MANIFOLD	21.2	21.2	21.2	20.4	19.0	17.2	15.3	13.3	11.4	9.6
LOAD POINT	132.7	147.4	162.2	176.9	191.7	206.4	221.2	235.9	250.7	265.4
EMISSION RATE	4.6	4.7	5.0	5.6	6.8	9.4	14.9	27.8	63.1	176.7
THROTTLE	8.5	10.2	11.9	13.6	15.9	19.5	25.5	35.6	50.0	61.9
MANIFOLD	3.0	6.5	5.2	4.0	3.0	2.1	1.4	1.0	1.0	1.0
SPEED POINT 1500.0										
LOAD POINT	-17.7	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5	120.5
EMISSION RATE	15.7	2.2	3.7	4.5	4.7	4.4	4.2	4.0	4.0	4.1
THROTTLE	0.9	0.9	1.8	2.6	3.4	4.2	5.2	6.4	7.9	9.6
MANIFOLD	22.4	22.4	21.8	20.5	18.7	16.6	14.4	12.2	10.1	8.2
LOAD POINT	135.6	150.7	165.7	180.8	195.9	210.9	226.0	241.1	256.1	271.2
EMISSION RATE	4.4	4.7	5.1	5.6	6.2	7.4	9.9	16.8	40.7	169.4
THROTTLE	11.8	14.5	17.8	21.6	26.2	31.5	37.7	44.8	52.8	61.9
MANIFOLD	6.5	5.2	4.2	3.6	3.1	2.9	2.8	2.6	2.2	1.5
SPEED POINT 2000.0										
LOAD POINT	-28.1	0.0	15.1	30.1	45.2	60.2	75.3	90.3	105.4	120.4
EMISSION RATE	15.7	9.8	5.2	3.9	3.6	3.8	4.1	4.4	4.5	4.5
THROTTLE	2.0	2.0	2.6	3.4	4.4	5.5	6.8	8.3	10.0	12.1
MANIFOLD	22.2	22.2	20.8	19.1	17.5	15.8	14.2	12.5	10.8	9.3
LOAD POINT	135.5	150.6	165.6	180.7	195.7	210.8	225.8	240.9	255.9	271.0
EMISSION RATE	4.5	4.4	4.5	5.0	6.1	8.7	14.6	29.2	70.0	194.0
THROTTLE	14.6	17.5	20.8	24.7	29.2	34.2	40.0	46.4	53.7	61.7
MANIFOLD	7.8	6.5	5.4	4.5	3.8	3.3	2.9	2.7	2.3	1.8
SPEED POINT 2500.0										
LOAD POINT	-38.5	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	15.7	13.0	10.2	6.4	3.9	2.7	2.2	2.1	2.3	2.9
THROTTLE	5.0	5.0	6.1	7.1	8.2	9.6	11.5	14.0	17.0	20.3
MANIFOLD	20.8	20.8	19.5	18.4	17.2	15.9	14.5	13.0	11.4	9.8
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.4
EMISSION RATE	3.7	4.5	5.2	5.4	5.2	4.9	5.3	8.1	23.0	198.7
THROTTLE	23.7	26.8	29.3	31.3	32.9	34.8	37.8	42.6	50.5	62.5
MANIFOLD	8.3	6.9	5.7	4.8	4.1	3.7	3.5	3.3	3.0	2.3
SPEED POINT 3000.0										
LOAD POINT	-48.9	0.0	13.9	27.9	41.8	55.7	69.7	83.6	97.6	111.5
EMISSION RATE	15.7	12.5	5.5	2.2	1.3	1.7	3.0	4.5	6.0	7.6
THROTTLE	7.0	7.0	7.6	8.6	9.8	11.4	13.3	15.4	17.9	20.6
MANIFOLD	20.4	20.4	19.4	18.1	16.8	15.4	14.0	12.6	11.3	10.1
LOAD POINT	125.4	139.4	153.3	167.2	181.2	195.1	209.1	223.0	236.9	250.9
EMISSION RATE	9.4	12.1	16.3	23.0	33.4	49.0	71.5	102.8	145.1	200.2
THROTTLE	23.6	27.0	30.5	34.4	38.6	43.0	47.6	52.6	57.8	63.0
MANIFOLD	9.0	7.9	6.9	5.9	4.9	4.1	3.4	2.9	2.8	2.8
SPEED POINT 3500.0										
LOAD POINT	-59.3	0.0	12.7	25.4	38.0	50.7	63.4	76.1	88.8	101.4
EMISSION RATE	15.7	2.8	1.6	1.4	1.5	1.8	2.2	2.7	3.1	3.3
THROTTLE	7.9	7.9	8.9	10.2	11.5	13.0	14.6	16.3	18.2	20.4
MANIFOLD	20.0	20.0	19.0	17.9	16.9	15.8	14.7	13.4	12.1	10.8
LOAD POINT	114.1	126.8	139.5	152.2	164.8	177.5	190.2	202.9	215.6	228.2
EMISSION RATE	3.4	3.2	3.1	3.1	3.4	4.4	7.1	15.2	45.6	202.7
THROTTLE	22.9	25.7	28.8	32.1	35.7	39.2	42.9	46.9	52.3	61.0
MANIFOLD	9.4	8.1	7.0	6.0	5.2	4.6	4.2	3.9	3.7	3.4
SPEED POINT 4000.0										

LOAD POINT	-69.7	0.0	11.4	22.8	34.1	45.5	56.9	68.3	79.7	91.0
EMISSION RATE	15.7	0.3	0.3	0.4	0.7	1.1	1.5	1.9	2.0	1.8
THROTTLE	9.6	9.6	11.0	12.4	13.8	15.4	17.1	18.9	20.9	23.1
MANIFOLD	19.7	19.7	19.2	18.3	17.2	15.9	14.5	13.1	11.6	10.2
LOAD POINT	102.4	113.8	125.2	136.6	147.9	159.3	170.7	182.1	193.4	204.8
EMISSION RATE	1.6	1.4	1.3	1.4	1.9	3.2	6.8	18.8	62.2	221.9
THROTTLE	25.6	28.3	31.3	34.5	38.2	42.1	46.5	51.3	56.5	62.2
MANIFOLD	8.9	7.8	6.8	6.0	5.4	4.9	4.6	4.3	4.0	3.6
*ENGINE	NSCJN6		RPM		TORQUE		G/HR			
1975 CHRYS	318.0	ENGINE	NOX	MAP	CATALYTIC		CONVERTER			
DATA	3.910	3.310	8.	650.	4000.	.0900	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	17.7	18.4	19.2	20.0	20.7	21.5	22.2	23.0	23.8
EMISSION RATE	4.0	4.0	4.1	4.1	4.2	4.3	4.4	4.6	4.7	4.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.1
LOAD POINT	24.5	25.3	26.1	26.8	27.6	28.4	29.1	29.9	30.7	31.4
EMISSION RATE	5.1	5.3	5.5	5.8	6.1	6.3	6.6	7.0	7.3	7.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.6	15.4
SPEED POINT	750.0									
LOAD POINT	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	4.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
SPEED POINT	1200.0									
LOAD POINT	-11.4	0.0	14.7	29.5	44.2	59.0	73.7	88.5	103.2	118.0
EMISSION RATE	4.0	5.7	11.4	40.1	116.6	219.1	272.8	261.8	230.4	213.4
THROTTLE	0.5	0.5	1.1	1.7	2.1	2.5	3.2	4.0	5.3	6.8
MANIFOLD	21.2	21.2	21.2	20.4	19.0	17.2	15.3	13.3	11.4	9.6
LOAD POINT	132.7	147.4	162.2	176.9	191.7	206.4	221.2	235.9	250.7	265.4
EMISSION RATE	224.2	271.0	364.4	515.8	725.0	846.3	846.3	846.3	786.7	241.2
THROTTLE	8.5	10.2	11.9	13.6	15.9	19.5	25.5	35.6	50.0	61.9
MANIFOLD	8.0	6.5	5.2	4.0	3.0	2.1	1.4	1.0	1.0	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.7	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5	120.5
EMISSION RATE	4.0	8.9	31.0	87.2	161.1	204.0	206.9	199.1	206.7	246.3
THROTTLE	0.9	0.9	1.8	2.6	3.4	4.2	5.2	6.4	7.9	9.6
MANIFOLD	22.4	22.4	21.8	20.5	18.7	16.6	14.4	12.2	10.1	8.2
LOAD POINT	135.6	150.7	165.7	180.8	195.9	210.9	226.0	241.1	256.1	271.2
EMISSION RATE	335.9	498.8	750.8	1072.7	1367.0	1367.0	1367.0	1367.0	121.0	377.7
THROTTLE	11.8	14.5	17.8	21.6	26.2	31.5	37.7	44.8	52.8	61.9
MANIFOLD	6.5	5.2	4.2	3.6	3.1	2.9	2.8	2.6	2.2	1.5
SPEED POINT	2000.0									
LOAD POINT	-28.1	0.0	15.1	30.1	45.2	60.2	75.3	90.3	105.4	120.4
EMISSION RATE	4.0	21.7	51.2	84.6	110.5	140.7	183.8	245.7	329.2	434.3
THROTTLE	2.0	2.0	2.6	3.4	4.4	5.5	6.8	8.3	10.0	12.1
MANIFOLD	22.2	22.2	20.8	19.1	17.5	15.8	14.2	12.5	10.8	9.3
LOAD POINT	135.5	150.6	165.6	180.7	195.7	210.8	225.8	240.9	255.9	271.0
EMISSION RATE	557.8	693.8	833.4	964.6	1072.7	1139.8	1145.3	1065.5	873.8	540.6
THROTTLE	14.6	17.5	20.8	24.7	29.2	34.2	40.0	46.4	53.7	61.7
MANIFOLD	7.8	6.5	5.4	4.5	3.8	3.3	2.9	2.7	2.3	1.8
SPEED POINT	2500.0									
LOAD POINT	-38.5	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	4.0	25.3	33.6	61.9	122.5	224.9	358.9	493.5	601.0	678.0
THROTTLE	5.0	5.0	6.1	7.1	8.2	9.6	11.5	14.0	17.0	20.3
MANIFOLD	20.8	20.8	19.5	18.4	17.2	15.9	14.5	13.0	11.4	9.8

LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.4
EMISSION RATE	742.8	821.3	936.7	1103.1	1313.5	1362.0	1362.0	1362.0	186.5	772.6
THROTTLE	23.7	26.8	29.3	31.3	32.9	34.8	37.8	42.6	50.5	62.5
MANIFOLD	8.3	6.9	5.7	4.8	4.1	3.7	3.5	3.3	3.0	2.3
SPEED POINT 3000.0										
LOAD POINT	-48.9	0.0	13.9	27.9	41.8	55.7	69.7	83.6	97.6	111.5
EMISSION RATE	4.0	35.7	66.4	94.2	129.6	182.1	258.3	361.5	492.4	648.7
THROTTLE	7.0	7.0	7.6	8.6	9.8	11.4	13.3	15.4	17.9	20.6
MANIFOLD	20.4	20.4	19.4	18.1	16.8	15.4	14.0	12.6	11.3	10.1
LOAD POINT	125.4	139.4	153.3	167.2	181.2	195.1	209.1	223.0	236.9	250.9
EMISSION RATE	824.9	1013.0	1201.7	1376.8	1521.3	1567.0	1567.0	1556.3	1348.7	981.0
THROTTLE	23.6	27.0	30.5	34.4	38.6	43.0	47.6	52.6	57.8	63.0
MANIFOLD	9.0	7.9	6.9	5.9	4.9	4.1	3.4	2.9	2.8	2.8
SPEED POINT 3500.0										
LOAD POINT	-59.3	0.0	12.7	25.4	38.0	50.7	63.4	76.1	88.8	101.4
EMISSION RATE	4.0	52.8	72.7	125.9	227.8	391.3	611.1	857.3	1086.3	1263.3
THROTTLE	7.9	7.9	8.9	10.2	11.5	13.0	14.6	16.3	18.2	20.4
MANIFOLD	20.0	20.0	19.0	17.9	16.9	15.8	14.7	13.4	12.1	10.8
LOAD POINT	114.1	126.8	139.5	152.2	164.8	177.5	190.2	202.9	215.6	228.2
FUEL RATE	1379.8	1453.0	1527.3	1656.0	1902.1	2327.4	2532.0	2532.0	2532.0	1068.1
THROTTLE	22.9	25.7	28.8	32.1	35.7	39.2	42.9	46.9	52.3	61.0
MANIFOLD	9.4	8.1	7.0	6.0	5.2	4.6	4.2	3.9	3.7	3.4
SPEED POINT 4000.0										
LOAD POINT	-69.7	0.0	11.4	22.8	34.1	45.5	56.9	68.3	79.7	91.0
EMISSION RATE	4.0	70.3	116.9	193.0	317.2	501.6	735.0	975.8	1173.4	1303.3
THROTTLE	9.6	9.6	11.0	12.4	13.8	15.4	17.1	18.9	20.9	23.1
MANIFOLD	19.7	19.7	19.2	18.3	17.2	15.9	14.5	13.1	11.6	10.2
LOAD POINT	102.4	113.8	125.2	136.6	147.9	159.3	170.7	182.1	193.4	204.8
FUEL RATE	1379.8	1437.9	1506.8	1590.6	1655.0	1638.4	1481.3	1215.4	973.0	947.8
THROTTLE	25.6	28.3	31.3	34.5	38.2	42.1	46.5	51.3	56.5	62.2
MANIFOLD	8.9	7.8	6.8	6.0	5.4	4.9	4.6	4.3	4.0	3.6
*ENGINE	X5CJN6			RPM		TORQUE		G/HR(*.1)		
1975 CHRYS	318.0	ENGINE	RAW	CD	MAP	CATALYTIC	CONVERTER			
DATA	3.910	3.310	8.	650.	4000.	.0900	.7157			
SPEED POINT 650.0										
LOAD POINT	0.0	17.7	18.4	19.2	20.0	20.7	21.5	22.2	23.0	23.8
EMISSION RATE	11.8	11.8	12.3	12.8	13.3	13.8	14.4	15.1	15.7	16.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.1
LOAD POINT	24.5	25.3	26.1	26.8	27.6	28.4	29.1	29.9	30.7	31.4
EMISSION RATE	17.2	18.0	18.8	19.6	20.5	21.4	22.3	23.3	24.3	25.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.6	15.4
SPEED POINT 750.0										
LOAD POINT	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	11.8	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
SPEED POINT 1200.0										
LOAD POINT	-11.4	0.0	14.7	29.5	44.2	59.0	73.7	88.5	103.2	118.0
EMISSION RATE	11.8	8.9	18.1	15.8	9.7	5.9	4.4	4.4	4.5	6.2
THROTTLE	0.5	0.5	1.1	1.7	2.1	2.5	3.2	4.0	5.3	6.8
MANIFOLD	21.2	21.2	21.2	20.4	19.0	17.2	15.3	13.3	11.4	9.6
LOAD POINT	132.7	147.4	162.2	176.9	191.7	206.4	221.2	235.9	250.7	265.4
EMISSION RATE	9.1	12.6	15.0	14.5	11.4	8.3	6.8	9.5	38.0	931.1
THROTTLE	8.5	10.2	11.9	13.6	15.9	19.5	25.5	35.6	50.0	61.9
MANIFOLD	8.0	6.5	5.2	4.0	3.0	2.1	1.4	1.0	1.0	1.0

SPEED POINT 1500.0										
LOAD POINT	-17.7	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5	120.5
EMISSION RATE	11.8	26.2	12.9	7.9	6.0	5.5	5.6	6.4	7.6	9.0
THROTTLE	0.9	0.9	1.8	2.6	3.4	4.2	5.2	6.4	7.9	9.6
MANIFOLD	22.4	22.4	21.8	20.5	18.7	16.0	14.4	12.2	10.1	8.2
LOAD POINT	135.6	150.7	165.7	180.8	195.9	210.9	226.0	241.1	256.1	271.2
EMISSION RATE	10.4	11.2	11.5	11.3	11.3	12.5	17.1	34.3	125.0	1072.0
THROTTLE	11.8	14.5	17.8	21.6	26.2	31.5	37.7	44.8	52.8	61.9
MANIFOLD	6.5	5.2	4.2	3.6	3.1	2.9	2.8	2.6	2.2	1.5
SPEED POINT 2000.0										
LOAD POINT	-28.1	0.0	15.1	30.1	45.2	60.2	75.3	90.3	105.4	120.4
EMISSION RATE	11.8	9.9	10.6	10.4	10.1	10.2	10.6	11.5	12.7	14.3
THROTTLE	2.0	2.0	2.6	3.4	4.4	5.5	6.8	8.3	10.0	12.1
MANIFOLD	22.2	22.2	20.8	19.1	17.5	15.8	14.2	12.5	10.8	9.3
LOAD POINT	135.5	150.6	165.6	180.7	195.7	210.8	225.8	240.9	255.9	271.0
EMISSION RATE	15.8	17.0	17.8	18.5	19.7	22.9	32.0	61.9	197.7	1314.0
THROTTLE	14.6	17.5	20.8	24.7	29.2	34.2	40.0	46.4	53.7	61.7
MANIFOLD	7.8	6.5	5.4	4.5	3.8	3.3	2.9	2.7	2.3	1.8
SPEED POINT 2500.0										
LOAD POINT	-38.5	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	11.8	12.4	20.8	16.4	9.9	6.3	5.1	5.3	7.2	11.5
THROTTLE	5.0	5.0	6.1	7.1	8.2	9.6	11.5	14.0	17.0	20.3
MANIFOLD	20.8	20.8	19.5	18.4	17.2	15.9	14.5	13.0	11.4	9.8
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.4
EMISSION RATE	19.1	28.6	35.0	32.8	23.9	15.3	11.1	13.7	52.2	1382.0
THROTTLE	23.7	26.8	29.3	31.3	32.9	34.8	37.8	42.6	50.5	62.5
MANIFOLD	8.3	6.9	5.7	4.8	4.1	3.7	3.5	3.3	3.0	2.3
SPEED POINT 3000.0										
LOAD POINT	-48.9	0.0	13.9	27.9	41.8	55.7	69.7	83.6	97.6	111.5
EMISSION RATE	11.8	21.3	17.6	17.9	19.4	21.0	21.5	20.7	18.9	16.9
THROTTLE	7.0	7.0	7.6	8.6	9.8	11.4	13.3	15.4	17.9	20.6
MANIFOLD	20.4	20.4	19.4	18.1	16.8	15.4	14.0	12.6	11.3	10.1
LOAD POINT	125.4	139.4	153.3	167.2	181.2	195.1	209.1	223.0	236.9	250.9
EMISSION RATE	15.4	15.1	16.5	21.0	31.9	58.1	123.7	290.1	680.2	1378.4
THROTTLE	23.6	27.0	30.5	34.4	38.6	43.0	47.6	52.6	57.8	63.0
MANIFOLD	9.0	7.9	6.9	5.9	4.9	4.1	3.4	2.9	2.8	2.8
SPEED POINT 3500.0										
LOAD POINT	-59.3	0.0	12.7	25.4	38.0	50.7	63.4	76.1	88.8	101.4
EMISSION RATE	11.8	14.8	13.8	14.8	17.1	20.0	22.7	24.8	25.7	25.6
THROTTLE	7.9	7.9	8.9	10.2	11.5	13.0	14.6	16.3	18.2	20.4
MANIFOLD	20.0	20.0	19.0	17.9	16.9	15.8	14.7	13.4	12.1	10.8
LOAD POINT	114.1	126.8	139.5	152.2	164.8	177.5	190.2	202.9	215.6	228.2
EMISSION RATE	24.9	24.3	24.6	26.8	32.6	46.2	78.8	166.6	447.7	1533.0
THROTTLE	22.9	25.7	28.8	32.1	35.7	39.2	42.9	46.9	52.3	61.0
MANIFOLD	9.4	8.1	7.0	6.0	5.2	4.6	4.2	3.9	3.7	3.4
SPEED POINT 4000.0										
LOAD POINT	-69.7	0.0	11.4	22.8	34.1	45.5	56.9	68.3	79.7	91.0
EMISSION RATE	11.8	11.4	11.1	13.6	17.7	22.1	24.9	25.1	23.2	20.5
THROTTLE	9.6	9.6	11.0	12.4	13.8	15.4	17.1	18.9	20.9	23.1
MANIFOLD	19.7	19.7	19.2	18.3	17.2	15.9	14.5	13.1	11.6	10.2
LOAD POINT	102.4	113.8	125.2	136.6	147.9	159.3	170.7	182.1	193.4	204.8
EMISSION RATE	18.3	17.7	19.7	26.3	43.3	87.4	205.6	511.3	146.8	1832.0
THROTTLE	25.6	28.3	31.3	34.5	38.2	42.1	46.5	51.3	56.5	62.2
MANIFOLD	8.9	7.8	6.8	6.0	5.4	4.9	4.6	4.3	4.0	3.6
*ENGINE	Y5CJN6		RPM		TURQUE		G/HR			
1975 CHRYS	318.0	ENGINE	RAW HC MAP		CATALYTIC		CONVERTER			
DATA	3.910	3.310	8.	650.	4000.	.0900	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	17.7	18.4	19.2	20.0	20.7	21.5	22.2	23.0	23.8
EMISSION RATE	14.9	14.9	15.6	16.4	17.0	17.7	18.3	18.9	19.4	19.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.1
LOAD POINT	24.5	25.3	26.1	26.8	27.6	28.4	29.1	29.9	30.7	31.4
EMISSION RATE	20.4	20.9	21.3	21.6	22.0	22.3	22.5	22.8	23.0	23.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.6	15.4
SPEED POINT	750.0									
LOAD POINT	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	14.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
SPEED POINT	1200.0									
LOAD POINT	-11.4	0.0	14.7	29.5	44.2	59.0	73.7	88.5	103.2	118.0
EMISSION RATE	14.9	16.9	21.6	29.9	41.1	53.5	63.9	70.0	71.1	68.6
THROTTLE	0.5	0.5	1.1	1.7	2.1	2.5	3.2	4.0	5.3	6.8
MANIFOLD	21.2	21.2	21.2	20.4	19.0	17.2	15.3	13.3	11.4	9.6
LOAD POINT	132.7	147.4	162.2	176.9	191.7	206.4	221.2	235.9	250.7	265.4
EMISSION RATE	64.8	62.1	62.2	66.6	77.2	96.2	125.3	161.5	178.0	177.1
THROTTLE	8.5	10.2	11.9	13.6	15.9	19.5	25.5	35.6	50.0	61.9
MANIFOLD	8.0	6.5	5.2	4.0	3.0	2.1	1.4	1.0	1.0	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.7	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5	120.5
EMISSION RATE	14.9	45.0	72.6	84.5	85.4	79.5	70.4	60.9	53.6	50.1
THROTTLE	0.9	0.9	1.8	2.6	3.4	4.2	5.2	6.4	7.9	9.6
MANIFOLD	22.4	22.4	21.8	20.5	18.7	16.6	14.4	12.2	10.1	8.2
LOAD POINT	135.6	150.7	165.7	180.8	195.9	210.9	226.0	241.1	256.1	271.2
EMISSION RATE	51.5	58.6	71.2	88.8	110.1	133.4	156.2	175.5	187.8	188.9
THROTTLE	11.8	14.5	17.8	21.6	26.2	31.5	37.7	44.8	52.8	61.9
MANIFOLD	6.5	5.2	4.2	3.6	3.1	2.9	2.8	2.6	2.2	1.5
SPEED POINT	2000.0									
LOAD POINT	-28.1	0.0	15.1	30.1	45.2	60.2	75.3	90.3	105.4	120.4
EMISSION RATE	14.9	159.6	80.0	63.7	64.3	70.5	76.1	77.0	72.4	64.4
THROTTLE	2.0	2.0	2.6	3.4	4.4	5.5	6.8	8.3	10.0	12.1
MANIFOLD	22.2	22.2	20.8	19.1	17.5	15.8	14.2	12.5	10.8	9.3
LOAD POINT	135.5	150.6	165.6	180.7	195.7	210.8	225.8	240.9	255.9	271.0
EMISSION RATE	56.2	50.6	49.4	53.8	67.3	95.0	144.3	213.5	215.6	214.9
THROTTLE	14.6	17.5	20.8	24.7	29.2	34.2	40.0	46.4	53.7	61.7
MANIFOLD	7.8	6.5	5.4	4.5	3.8	3.3	2.9	2.7	2.3	1.8
SPEED POINT	2500.0									
LOAD POINT	-38.5	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	14.9	394.6	127.1	64.6	49.1	47.3	50.9	56.2	60.1	60.5
THROTTLE	5.0	5.0	6.1	7.1	8.2	9.6	11.5	14.0	17.0	20.3
MANIFOLD	20.8	20.8	19.5	18.4	17.2	15.9	14.5	13.0	11.4	9.8
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.4
EMISSION RATE	57.3	51.5	45.4	40.6	38.3	40.0	47.6	66.7	111.1	218.7
THROTTLE	23.7	26.8	29.3	31.3	32.9	34.8	37.8	42.6	50.5	62.5
MANIFOLD	8.3	6.9	5.7	4.8	4.1	3.7	3.5	3.3	3.0	2.3
SPEED POINT	3000.0									
LOAD POINT	-48.9	0.0	13.9	27.9	41.8	55.7	69.7	83.6	97.6	111.5
EMISSION RATE	14.9	228.5	52.1	26.7	23.7	27.3	33.8	39.8	42.1	39.9
THROTTLE	7.0	7.0	7.6	8.6	9.8	11.4	13.3	15.4	17.9	20.6
MANIFOLD	20.4	20.4	19.4	18.1	16.8	15.4	14.0	12.6	11.3	10.1
LOAD POINT	125.4	139.4	153.3	167.2	181.2	195.1	209.1	223.0	236.9	250.9
EMISSION RATE	34.9	29.8	26.5	26.2	30.3	41.5	66.3	114.0	182.8	218.2
THROTTLE	23.6	27.0	30.5	34.4	38.6	43.0	47.6	52.6	57.8	63.0
MANIFOLD	9.0	7.9	6.9	5.9	4.9	4.1	3.4	2.9	2.8	2.8
SPEED POINT	3500.0									
LOAD POINT	-59.3	0.0	12.7	25.4	38.0	50.7	63.4	76.1	88.8	101.4

EMISSION RATE	14.9	45.3	15.6	12.9	16.2	23.1	30.5	34.1	31.6	25.3
THROTTLE	7.9	7.9	8.9	10.2	11.5	13.0	14.6	16.3	18.2	20.4
MANIFOLD	20.0	20.0	19.0	17.9	16.9	15.8	14.7	13.4	12.1	10.8
LOAD POINT	114.1	126.8	139.5	152.2	164.8	177.5	190.2	202.9	215.6	228.2
EMISSION RATE	18.9	14.6	12.9	14.2	20.2	37.4	81.9	179.0	235.5	233.3
THROTTLE	22.9	25.7	28.8	32.1	35.7	39.2	42.9	46.9	52.3	61.0
MANIFOLD	9.4	8.1	7.0	6.0	5.2	4.6	4.2	3.9	3.7	3.4
SPEED POINT	4000.0									
LOAD POINT	-69.7	0.0	11.4	22.8	34.1	45.5	56.9	68.3	79.7	91.0
EMISSION RATE	14.9	4.2	5.0	7.7	12.5	18.3	22.6	23.0	20.1	15.8
THROTTLE	9.6	9.6	11.0	12.4	13.8	15.4	17.1	18.9	20.9	23.1
MANIFOLD	19.7	19.7	19.2	18.3	17.2	15.9	14.5	13.1	11.6	10.2
LOAD POINT	102.4	113.8	125.2	136.6	147.9	159.3	170.7	182.1	193.4	204.8
EMISSION RATE	12.2	10.0	9.5	11.1	16.4	30.2	64.6	139.9	245.8	254.2
THROTTLE	25.6	28.3	31.3	34.5	38.2	42.1	46.5	51.3	56.5	62.2
MANIFOLD	8.9	7.8	6.8	6.0	5.4	4.9	4.6	4.3	4.0	3.6
*ENGINE	25CJN6		RPM		TORQUE		G/HR			
1975 CHRYS	318.0	ENGINE	RAW NOX MAP		CATALYTIC		CONVERTER			
DATA	3.910	3.310	8.	650.	4000.	.0900	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	17.7	18.4	19.2	20.0	20.7	21.5	22.2	23.0	23.8
EMISSION RATE	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.6	3.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.1
LOAD POINT	24.5	25.3	26.1	26.8	27.6	28.4	29.1	29.9	30.7	31.4
EMISSION RATE	4.1	4.4	4.8	5.2	5.6	6.1	6.6	7.2	7.8	8.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.0	16.8	16.7	16.5	16.4	16.2	16.0	15.8	15.6	15.4
SPEED POINT	750.0									
LOAD POINT	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	3.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
LOAD POINT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISSION RATE	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
SPEED POINT	1200.0									
LOAD POINT	-11.4	0.0	14.7	29.5	44.2	59.0	73.7	88.5	103.2	118.0
EMISSION RATE	3.3	5.2	11.6	44.0	134.6	258.2	320.0	300.2	256.1	230.5
THROTTLE	0.5	0.5	1.1	1.7	2.1	2.5	3.2	4.0	5.3	6.8
MANIFOLD	21.2	21.2	21.2	20.4	19.0	17.2	15.3	13.3	11.4	9.6
LOAD POINT	132.7	147.4	162.2	176.9	191.7	206.4	221.2	235.9	250.7	265.4
EMISSION RATE	237.9	286.1	386.8	550.4	767.2	898.7	898.7	898.7	698.8	255.8
THROTTLE	8.5	10.2	11.9	13.6	15.9	19.5	25.5	35.6	50.0	61.9
MANIFOLD	8.0	6.5	5.2	4.0	3.0	2.1	1.4	1.0	1.0	1.0
SPEED POINT	1500.0									
LOAD POINT	-17.7	0.0	15.1	30.1	45.2	60.3	75.3	90.4	105.5	120.5
EMISSION RATE	3.3	8.4	31.9	69.2	166.2	219.4	233.7	231.2	237.9	272.6
THROTTLE	0.9	0.9	1.8	2.6	3.4	4.2	5.2	6.4	7.9	9.6
MANIFOLD	22.4	22.4	21.8	20.5	18.7	16.6	14.4	12.2	10.1	8.2
LOAD POINT	135.6	150.7	165.7	180.8	195.9	210.9	226.0	241.1	256.1	271.2
EMISSION RATE	353.7	505.0	747.1	1063.4	1340.0	1340.0	1340.0	1030.0	679.2	389.4
THROTTLE	11.8	14.5	17.8	21.6	26.2	31.5	37.7	44.8	52.8	61.9
MANIFOLD	6.5	5.2	4.2	3.6	3.1	2.9	2.8	2.6	2.2	1.5
SPEED POINT	2000.0									
LOAD POINT	-28.1	0.0	15.1	30.1	45.2	60.2	75.3	90.3	105.4	120.4
EMISSION RATE	3.3	17.8	44.8	76.6	106.7	144.0	194.8	262.9	350.0	454.9
THROTTLE	2.0	2.0	2.6	3.4	4.4	5.5	6.8	8.3	10.0	12.1
MANIFOLD	22.2	22.2	20.8	19.1	17.5	15.8	14.2	12.5	10.8	9.3
LOAD POINT	135.5	150.6	165.6	180.7	195.7	210.8	225.8	240.9	255.9	271.0

EMISSION RATE	574.4	702.6	831.2	949.6	1044.6	1100.8	1100.1	1022.1	844.0	540.6
THROTTLE	14.6	17.5	20.8	24.7	29.2	34.2	40.0	46.4	53.7	61.7
MANIFOLD	7.8	6.5	5.4	4.5	3.8	3.3	2.9	2.7	2.3	1.8
SPEED POINT	2500.0									
LOAD POINT	-38.5	0.0	14.8	29.6	44.4	59.2	74.0	88.8	103.6	118.4
EMISSION RATE	3.3	19.5	29.9	56.4	112.6	213.9	361.6	526.2	659.5	732.1
THROTTLE	5.0	5.0	6.1	7.1	8.2	9.6	11.5	14.0	17.0	20.3
MANIFOLD	20.8	20.8	19.5	18.4	17.2	15.9	14.5	13.0	11.4	9.8
LOAD POINT	133.2	148.0	162.8	177.6	192.4	207.2	222.0	236.8	251.6	266.4
EMISSION RATE	756.5	773.4	831.3	985.3	1311.3	1409.0	1409.0	1409.0	1409.0	819.3
THROTTLE	23.7	26.8	29.3	31.3	32.9	34.8	37.8	42.6	50.5	62.5
MANIFOLD	8.3	6.9	5.7	4.8	4.1	3.7	3.5	3.3	3.0	2.3
SPEED POINT	3000.0									
LOAD POINT	-48.9	0.0	13.9	27.9	41.8	55.7	69.7	83.6	97.6	111.5
EMISSION RATE	3.3	29.9	69.8	127.3	186.7	256.4	342.0	447.1	572.3	716.0
THROTTLE	7.0	7.0	7.6	8.6	9.8	11.4	13.3	15.4	17.9	20.6
MANIFOLD	20.4	20.4	19.4	18.1	16.8	15.4	14.0	12.6	11.3	10.1
LOAD POINT	125.4	139.4	153.3	167.2	181.2	195.1	209.1	223.0	236.9	250.9
EMISSION RATE	874.2	1040.1	1204.9	1356.8	1481.9	1563.7	1579.2	1518.9	1346.9	1040.8
THROTTLE	23.6	27.0	30.5	34.4	38.6	43.0	47.6	52.6	57.8	63.0
MANIFOLD	9.0	7.9	6.9	5.9	4.9	4.1	3.4	2.9	2.8	2.8
SPEED POINT	3500.0									
LOAD POINT	-59.3	0.0	12.7	25.4	38.0	50.7	63.4	76.1	88.8	101.4
EMISSION RATE	3.3	143.4	67.7	107.2	224.3	419.9	643.9	845.4	1022.2	1196.5
THROTTLE	7.9	7.9	8.9	10.2	11.5	13.0	14.6	16.3	18.2	20.4
MANIFOLD	20.0	20.0	19.0	17.9	16.9	15.8	14.7	13.4	12.1	10.8
LOAD POINT	114.1	126.8	139.5	152.2	164.8	177.5	190.2	202.9	215.6	228.2
FUEL RATE	1374.4	1533.8	1647.8	1732.0	1877.3	2257.9	2479.0	2479.0	2479.0	1120.7
THROTTLE	22.9	25.7	28.8	32.1	35.7	39.2	42.9	46.9	52.3	61.0
MANIFOLD	9.4	8.1	7.0	6.0	5.2	4.6	4.2	3.9	3.7	3.4
SPEED POINT	4000.0									
LOAD POINT	-69.7	0.0	11.4	22.8	34.1	45.5	56.9	68.3	79.7	91.0
EMISSION RATE	3.3	64.8	114.1	186.2	302.8	481.9	717.6	964.1	1158.0	1267.7
THROTTLE	9.6	9.6	11.0	12.4	13.8	15.4	17.1	18.9	20.9	23.1
MANIFOLD	19.7	19.7	19.2	18.3	17.2	15.9	14.5	13.1	11.6	10.2
LOAD POINT	102.4	113.8	125.2	136.6	147.9	159.3	170.7	182.1	193.4	204.8
FUEL RATE	1315.4	1351.9	1421.0	1537.0	1666.6	1707.4	1587.2	1288.6	1001.8	997.8
THROTTLE	25.6	28.3	31.3	34.5	38.2	42.1	46.5	51.3	56.5	62.2
MANIFOLD	8.9	7.8	6.8	6.0	5.4	4.9	4.6	4.3	4.0	3.6



APPENDIX D. AMERICAN MOTORS CORPORATION

D.1 1975 AMC 258 CID (4.23 LITER), 1BBL

*ENGINE	258.0	F5ADC5	RPM		TORQUE		LB/HR				
1975 AMC	ENGINE	ENGINE	FUEL	MAP	600.	3500.	.0800	.7157			
DATA 1 BBL	3.750	3.900	6.	600.	3500.	.0800	.7157				
SPEED POINT	600.0										
LOAD PCINT	0.0	3.0	4.4	5.9	7.3	8.8	10.2	11.7	13.1	14.6	
FUEL RATE	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	
THROTTLE	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9	
MANIFOLD	16.2	16.2	16.2	16.2	16.2	16.1	16.1	16.0	15.9	15.9	
LOAD POINT	16.0	17.5	18.9	20.4	21.8	23.3	24.7	26.2	27.6	29.1	
FUEL RATE	3.4	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	
THROTTLE	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8	
MANIFOLD	15.8	15.7	15.6	15.5	15.3	15.2	15.1	14.9	14.7	14.6	
SPEED POINT	700.0										
LOAD POINT	-1.7	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.3	12.9	
FUEL RATE	2.9	3.5	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	
THROTTLE	0.0	0.0	1.0	2.1	3.0	3.8	4.5	5.1	5.5	5.8	
MANIFOLD	17.5	17.5	17.0	16.6	16.2	15.9	15.6	15.3	15.0	14.8	
LOAD POINT	14.5	16.1	17.8	19.4	21.0	22.6	24.2	25.8	27.4	29.1	
FUEL RATE	3.3	3.4	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	
THROTTLE	6.0	6.1	6.1	5.9	5.6	5.2	4.7	4.0	3.3	2.4	
MANIFOLD	14.6	14.4	14.3	14.1	14.1	14.0	14.0	14.0	14.0	14.1	
SPEED POINT	900.0										
LOAD POINT	-5.0	0.0	9.6	19.1	28.7	38.2	47.8	57.3	66.9	76.4	
FUEL RATE	2.9	4.0	4.5	4.7	4.9	5.0	5.2	5.6	6.2	7.1	
THROTTLE	1.9	1.9	2.2	2.6	3.1	3.8	4.8	5.9	7.2	8.7	
MANIFOLD	17.0	17.0	16.5	16.3	16.0	15.3	14.1	12.6	10.6	8.5	
LOAD POINT	86.0	95.5	105.1	114.6	124.2	133.8	143.3	152.9	162.4	172.0	
FUEL RATE	3.1	9.4	10.9	12.5	14.0	15.5	16.8	17.7	18.0	17.6	
THROTTLE	10.2	11.9	13.7	15.9	18.9	23.0	29.3	38.8	52.9	72.6	
MANIFOLD	6.3	4.2	2.5	1.2	0.5	0.5	0.5	0.9	1.1	0.5	
SPEED POINT	1200.0										
LOAD POINT	-9.9	0.0	9.5	19.0	28.4	37.9	47.4	56.9	66.4	75.9	
FUEL RATE	2.9	4.6	5.1	5.6	6.0	6.4	6.9	7.6	8.3	9.3	
THROTTLE	3.5	3.5	4.6	5.5	6.1	6.6	7.2	7.9	9.0	10.6	
MANIFOLD	17.5	17.5	16.8	16.5	16.2	15.5	14.4	12.8	10.8	8.5	
LOAD POINT	85.3	94.8	104.3	113.8	123.3	132.8	142.2	151.7	161.2	170.7	
FUEL RATE	10.4	11.7	13.1	14.7	16.2	17.8	19.3	20.7	21.8	22.5	
THROTTLE	12.6	15.2	17.9	20.4	22.3	23.7	25.3	29.1	40.5	74.0	
MANIFOLD	6.2	4.1	2.3	1.1	0.5	0.5	0.9	1.3	1.4	0.5	
SPEED POINT	1500.0										
LOAD POINT	-14.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.2	
FUEL RATE	2.9	2.9	4.8	6.2	7.5	8.6	9.6	10.7	11.8	13.1	
THROTTLE	4.7	4.7	5.4	6.3	7.6	9.3	11.3	13.8	16.4	19.0	
MANIFOLD	17.6	17.6	17.8	17.4	15.4	12.9	10.3	7.8	5.7	4.0	
LOAD POINT	89.1	99.0	109.0	118.9	128.8	138.7	148.6	158.5	168.4	178.3	
FUEL RATE	14.5	16.0	17.7	19.5	21.3	23.2	24.9	26.5	27.7	28.6	
THROTTLE	21.3	23.0	24.2	25.1	26.3	28.3	32.0	39.0	52.0	74.0	
MANIFOLD	2.7	1.9	1.5	1.3	1.3	1.4	1.3	1.2	0.8	0.5	
SPEED POINT	1800.0										
LOAD POINT	-19.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.1	
FUEL RATE	2.9	6.0	6.9	7.9	9.1	10.4	11.8	13.2	14.6	16.0	
THROTTLE	4.6	4.6	5.6	7.5	9.8	12.4	14.7	16.7	18.5	20.1	
MANIFOLD	17.7	17.7	17.7	16.4	14.4	12.0	9.6	7.3	5.4	3.9	
LOAD POINT	89.0	98.9	108.8	118.7	128.6	138.5	148.4	158.3	168.2	178.1	
FUEL RATE	17.5	19.0	20.5	22.1	23.8	25.6	27.6	29.9	32.5	35.5	
THROTTLE	21.9	23.9	26.0	28.0	29.6	30.6	31.6	34.3	43.0	73.8	
MANIFOLD	2.7	2.0	1.6	1.4	1.3	1.3	1.2	1.1	0.8	0.5	
SPEED POINT	2000.0										
LOAD POINT	-23.2	0.0	10.3	20.6	30.9	41.2	51.4	61.7	72.0	82.3	
FUEL RATE	2.9	6.5	7.8	9.0	10.3	11.5	12.8	14.2	15.7	17.3	
THROTTLE	6.3	6.3	7.7	9.3	11.3	13.6	16.1	18.8	21.3	23.6	

MANIFOLD	14.0	14.0	16.7	16.5	14.5	11.7	8.8	6.3	4.3	2.9
LOAD POINT	92.6	102.9	113.2	123.5	133.7	144.0	154.3	164.6	174.9	185.2
FUEL RATE	19.1	20.9	22.9	25.0	27.1	29.3	31.5	33.6	35.7	37.6
THROTTLE	25.6	27.2	28.5	29.6	31.0	33.2	37.0	43.8	56.3	74.0
MANIFOLD	2.2	1.9	1.9	1.9	1.9	1.6	1.2	0.7	0.5	0.7
SPEED POINT	2500.0									
LOAD POINT	-31.5	0.0	9.7	19.5	29.2	39.0	48.7	58.5	68.2	78.0
FUEL RATE	2.9	9.3	11.1	12.8	14.4	15.9	17.3	18.7	20.0	21.5
THROTTLE	16.3	16.3	19.0	17.6	15.6	14.8	15.2	17.1	20.2	24.2
MANIFOLD	18.0	18.0	15.7	14.4	13.5	12.6	11.6	10.3	8.7	7.0
LOAD POINT	87.7	97.5	107.2	117.0	126.7	136.5	146.2	155.9	165.7	175.4
FUEL RATE	22.9	24.5	26.2	28.2	30.3	32.8	35.7	38.9	42.7	47.0
THROTTLE	28.1	31.0	32.5	32.6	32.3	32.9	35.8	42.9	56.4	74.0
MANIFOLD	5.2	3.6	2.2	1.2	0.7	0.6	0.8	1.2	1.2	0.5
SPEED POINT	3000.0									
LOAD POINT	-39.8	0.0	8.8	17.6	26.4	35.2	44.0	52.9	61.7	70.5
FUEL RATE	2.9	13.2	14.3	15.7	17.3	19.0	20.8	22.6	24.4	26.2
THROTTLE	13.2	13.2	14.7	17.2	20.1	22.5	24.2	25.0	25.4	25.8
MANIFOLD	16.2	16.2	15.0	14.2	13.5	12.6	11.6	10.2	8.6	6.9
LOAD POINT	79.3	88.1	96.9	105.7	114.5	123.3	132.1	140.9	149.7	158.6
FUEL RATE	28.0	29.8	31.8	34.0	36.4	39.3	42.6	46.6	51.4	56.5
THROTTLE	26.4	27.4	28.9	30.8	32.9	35.2	38.0	42.5	52.6	74.0
MANIFOLD	5.2	3.6	2.3	1.3	0.8	0.7	0.8	1.1	1.0	0.5
SPEED POINT	3500.0									
LOAD POINT	-48.1	0.0	7.4	14.7	22.1	29.5	36.8	44.2	51.6	58.9
FUEL RATE	2.9	15.1	16.7	18.4	20.0	21.6	23.3	25.0	26.9	28.8
THROTTLE	10.0	10.0	15.8	19.9	22.2	23.6	24.9	26.5	28.5	30.9
MANIFOLD	15.5	15.5	14.4	13.7	13.0	12.2	11.3	10.1	8.7	7.2
LOAD POINT	66.3	73.7	81.1	88.4	95.8	103.2	110.5	117.9	125.3	132.6
FUEL RATE	30.9	33.2	35.6	38.3	41.2	44.4	47.9	51.6	55.7	59.9
THROTTLE	33.5	36.1	38.6	40.9	43.4	46.4	50.6	56.6	64.6	74.0
MANIFOLD	5.6	4.2	2.9	2.0	1.3	1.0	1.0	1.1	1.0	0.5
*ENGINE		C5ADC5		RPM		TORQUE		G/HR(*.1)		
1975 AMC	258.0	ENGINE	CO MAP							
DATA	3.750	3.900	6.	600.	3500.	.0800	.7157			
SPEED POINT	600.0									
LOAD POINT	0.0	3.0	4.4	5.9	7.3	8.8	10.2	11.7	13.1	14.6
EMISSION RATE	2.2	2.2	3.3	4.2	5.0	5.7	6.3	6.8	7.1	7.3
THROTTLE	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9
MANIFOLD	16.2	16.2	16.2	16.2	16.2	16.1	16.1	16.0	15.9	15.9
LOAD POINT	16.0	17.5	18.9	20.4	21.8	23.3	24.7	26.2	27.6	29.1
EMISSION RATE	7.4	7.4	7.2	6.9	6.5	6.0	5.3	4.6	3.7	2.7
THROTTLE	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8
MANIFOLD	15.8	15.7	15.6	15.5	15.3	15.2	15.1	14.9	14.7	14.6
SPEED POINT	700.0									
LOAD POINT	-1.7	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.3	12.9
EMISSION RATE	2.2	6.9	6.1	5.3	4.6	3.9	3.4	2.9	2.5	2.2
THROTTLE	0.0	0.0	1.0	2.1	3.0	3.8	4.5	5.1	5.5	5.8
MANIFOLD	17.5	17.5	17.0	16.6	16.2	15.9	15.6	15.3	15.0	14.8
LOAD POINT	14.5	16.1	17.8	19.4	21.0	22.6	24.2	25.8	27.4	29.1
EMISSION RATE	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.8
THROTTLE	6.0	6.1	6.1	5.9	5.6	5.2	4.7	4.0	3.3	2.4
MANIFOLD	14.6	14.4	14.3	14.1	14.1	14.0	14.0	14.0	14.0	14.1
SPEED POINT	500.0									
LOAD POINT	-5.0	0.0	9.6	19.1	28.7	38.2	47.8	57.3	66.9	76.4
EMISSION RATE	2.2	4.4	4.6	3.9	3.0	2.4	2.3	2.3	2.7	4.0
THROTTLE	1.9	1.9	2.2	2.6	3.1	3.8	4.8	5.9	7.2	8.7
MANIFOLD	17.0	17.0	16.5	16.3	16.0	15.3	14.1	12.6	10.6	8.5
LOAD POINT	86.0	95.5	105.1	114.6	124.2	133.8	143.3	152.9	162.4	172.0
EMISSION RATE	6.7	12.8	26.1	54.3	109.5	202.8	329.4	451.6	510.1	470.8
THROTTLE	10.2	11.9	13.7	15.9	18.9	23.0	29.3	38.8	52.9	72.6

MANIFOLD	6.3	4.2	2.5	1.2	0.5	0.5	0.5	0.9	1.1	0.5
SPEED POINT 1200.0										
LOAD POINT	-9.9	0.0	9.5	19.0	28.4	37.9	47.4	56.9	66.4	75.9
EMISSION RATE	2.2	2.8	3.7	4.1	4.1	3.8	3.6	3.7	4.2	5.5
THROTTLE	3.5	3.5	4.6	5.5	6.1	6.6	7.2	7.9	9.0	10.6
MANIFOLD	17.5	17.5	16.8	16.5	16.2	15.5	14.4	12.8	10.8	8.5
LOAD POINT	85.3	94.8	104.3	113.8	123.3	132.8	142.2	151.7	161.2	170.7
EMISSION RATE	8.1	13.8	26.3	54.2	115.2	236.9	435.3	645.3	645.3	490.5
THROTTLE	12.6	15.2	17.9	20.4	22.3	23.7	25.3	29.1	40.5	74.0
MANIFOLD	6.2	4.1	2.3	1.1	0.5	0.5	0.9	1.3	1.4	0.5
SPEED POINT 1500.0										
LOAD POINT	-14.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.2
EMISSION RATE	2.2	1.2	2.5	4.4	6.4	7.6	7.9	7.5	7.0	6.8
THROTTLE	4.7	4.7	5.4	6.3	7.6	9.3	11.3	13.8	16.4	19.0
MANIFOLD	17.6	17.6	17.8	17.4	15.4	12.9	10.3	7.8	5.7	4.0
LOAD POINT	89.1	99.0	109.0	118.9	128.8	138.7	148.6	158.5	168.4	178.3
EMISSION RATE	7.4	9.5	14.6	27.4	60.8	149.0	359.6	720.8	745.8	614.5
THROTTLE	21.3	23.0	24.2	25.1	26.3	28.3	32.0	39.0	52.0	74.0
MANIFOLD	2.7	1.9	1.5	1.3	1.3	1.4	1.3	1.2	0.8	0.5
SPEED POINT 1800.0										
LOAD POINT	-19.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.1
EMISSION RATE	2.2	3.9	4.8	6.3	7.9	9.1	9.5	9.2	8.8	8.7
THROTTLE	4.6	4.6	5.6	7.5	9.8	12.4	14.7	16.7	18.5	20.1
MANIFOLD	17.7	17.7	17.7	16.4	14.4	12.0	9.6	7.3	5.4	3.9
LOAD POINT	89.0	98.9	108.8	118.7	128.6	138.5	148.4	158.3	168.2	178.1
EMISSION RATE	9.4	11.7	17.5	31.6	68.2	165.5	404.7	844.3	928.5	831.8
THROTTLE	21.9	23.9	26.0	28.0	29.6	30.6	31.6	34.3	43.0	73.8
MANIFOLD	2.7	2.0	1.6	1.4	1.3	1.3	1.2	1.1	0.8	0.5
SPEED POINT 2000.0										
LOAD POINT	-23.2	0.0	10.3	20.6	30.9	41.2	51.4	61.7	72.0	82.3
EMISSION RATE	2.2	4.2	4.8	6.5	8.9	11.1	12.2	12.2	11.3	10.4
THROTTLE	6.3	6.3	7.7	9.3	11.3	13.6	16.1	18.8	21.3	23.6
MANIFOLD	14.0	14.0	16.7	16.5	14.5	11.7	8.8	6.3	4.3	2.9
LOAD POINT	92.6	102.9	113.2	123.5	133.7	144.0	154.3	164.6	174.9	185.2
EMISSION RATE	10.3	11.7	16.2	27.8	59.5	148.6	386.3	862.7	981.9	824.4
THROTTLE	25.6	27.2	28.5	29.6	31.0	33.2	37.0	43.8	56.3	74.0
MANIFOLD	2.2	1.9	1.9	1.9	1.9	1.6	1.2	0.7	0.5	0.7
SPEED POINT 2500.0										
LOAD POINT	-31.5	0.0	9.7	19.5	29.2	39.0	48.7	58.5	68.2	78.0
EMISSION RATE	2.2	4.9	6.2	9.3	13.7	17.8	19.5	18.2	15.1	12.0
THROTTLE	16.3	16.3	19.0	17.6	15.6	14.8	15.2	17.1	20.2	24.2
MANIFOLD	18.0	18.0	15.7	14.4	13.5	12.6	11.6	10.3	8.7	7.0
LOAD POINT	87.7	97.5	107.2	117.0	126.7	136.5	146.2	155.9	165.7	175.4
EMISSION RATE	9.8	9.2	10.5	15.4	29.6	71.8	201.2	550.91	146.81	280.3
THROTTLE	28.1	31.0	32.5	32.6	32.3	32.9	35.8	42.9	56.4	74.0
MANIFOLD	5.2	3.6	2.2	1.2	0.7	0.6	0.8	1.2	1.2	0.5
SPEED POINT 3000.0										
LOAD POINT	-39.8	0.0	8.8	17.6	26.4	35.2	44.0	52.9	61.7	70.5
EMISSION RATE	2.2	6.0	6.3	8.0	10.5	12.9	14.0	13.4	11.8	10.0
THROTTLE	13.2	13.2	14.7	17.2	20.1	22.5	24.2	25.0	25.4	25.8
MANIFOLD	16.2	16.2	15.0	14.2	13.5	12.6	11.6	10.2	8.6	6.9
LOAD POINT	79.3	88.1	96.9	105.7	114.5	123.3	132.1	140.9	149.7	158.6
EMISSION RATE	8.7	8.5	9.9	14.4	26.6	61.8	168.1	473.41	135.21	666.0
THROTTLE	26.4	27.4	28.9	30.8	32.9	35.2	38.0	42.5	52.6	74.0
MANIFOLD	5.2	3.6	2.3	1.3	0.8	0.7	0.8	1.1	1.0	0.5
SPEED POINT 3500.0										
LOAD POINT	-48.1	0.0	7.4	14.7	22.1	29.5	36.8	44.2	51.6	58.9
EMISSION RATE	2.2	7.5	7.1	7.7	9.7	11.8	13.0	12.6	11.2	9.6
THROTTLE	10.0	10.0	15.8	19.9	22.2	23.6	24.9	26.5	28.5	30.9
MANIFOLD	15.5	15.5	14.4	13.7	13.0	12.2	11.3	10.1	8.7	7.2
LOAD POINT	66.3	73.7	81.1	88.4	95.8	103.2	110.5	117.9	125.3	132.6

	8.5	8.4	10.1	15.1	29.3	71.4	203.4	587.3	1381.3	1848.0
EMISSION RATE	8.5	8.4	10.1	15.1	29.3	71.4	203.4	587.3	1381.3	1848.0
THROTTLE	33.5	36.1	38.6	40.9	43.4	46.4	50.6	56.6	64.6	74.0
MANIFOLD	5.6	4.2	2.9	2.0	1.3	1.0	1.0	1.1	1.0	0.5
*ENGINE	H5ADC5		RPM		TORQUE		G/HR			
1975 AMC	258.0	ENGINE	HC	MAP						
DATA	3.750	3.900	6.	600.	3500.	.0800	.7157			
SPEED POINT	600.0									
LOAD POINT	0.0	3.0	4.4	5.9	7.3	8.8	10.2	11.7	13.1	14.6
EMISSION RATE	12.1	12.1	13.6	14.9	16.2	17.3	18.3	19.1	19.9	20.5
THROTTLE	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9
MANIFOLD	16.2	16.2	16.2	16.2	16.2	16.1	16.1	16.0	15.9	15.9
LOAD POINT	16.0	17.5	18.9	20.4	21.8	23.3	24.7	26.2	27.6	29.1
EMISSION RATE	21.0	21.4	21.7	21.8	21.8	21.7	21.5	21.1	20.6	20.0
THROTTLE	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8
MANIFOLD	15.8	15.7	15.6	15.5	15.3	15.2	15.1	14.9	14.7	14.6
SPEED POINT	700.0									
LOAD POINT	-1.7	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.3	12.9
EMISSION RATE	12.1	15.8	15.1	14.6	14.1	13.8	13.6	13.5	13.5	13.6
THROTTLE	0.0	0.0	1.0	2.1	3.0	3.8	4.5	5.1	5.5	5.8
MANIFOLD	17.5	17.5	17.0	16.6	16.2	15.9	15.6	15.3	15.0	14.8
LOAD POINT	14.5	16.1	17.8	19.4	21.0	22.6	24.2	25.8	27.4	29.1
EMISSION RATE	13.8	14.2	14.7	15.3	16.0	16.8	17.8	18.8	20.0	21.0
THROTTLE	6.0	6.1	6.1	5.9	5.6	5.2	4.7	4.0	3.3	2.4
MANIFOLD	14.6	14.4	14.3	14.1	14.1	14.0	14.0	14.0	14.0	14.1
SPEED POINT	900.0									
LOAD POINT	-5.0	0.0	9.6	19.1	28.7	38.2	47.8	57.3	66.9	76.4
EMISSION RATE	12.1	5.6	10.2	14.9	18.9	21.9	24.3	26.5	29.1	32.4
THROTTLE	1.9	1.9	2.2	2.6	3.1	3.8	4.8	5.9	7.2	8.7
MANIFOLD	17.0	17.0	16.5	16.3	16.0	15.3	14.1	12.6	10.6	8.5
LOAD POINT	86.0	95.5	105.1	114.6	124.2	133.8	143.3	152.9	162.4	172.0
EMISSION RATE	36.7	42.2	49.1	57.0	65.8	74.8	83.5	91.7	99.9	109.9
THROTTLE	10.2	11.9	13.7	15.9	18.9	23.0	29.3	38.8	52.9	72.6
MANIFOLD	0.3	4.2	2.5	1.2	0.5	0.5	0.5	0.9	1.1	0.5
SPEED POINT	1200.0									
LOAD POINT	-9.9	0.0	9.5	19.0	28.4	37.9	47.4	56.9	66.4	75.9
EMISSION RATE	12.1	3.7	6.0	8.7	11.8	15.0	18.3	21.7	25.2	29.2
THROTTLE	3.5	3.5	4.6	5.5	6.1	6.6	7.2	7.9	9.0	10.6
MANIFOLD	17.5	17.5	16.8	16.5	16.2	15.5	14.4	12.8	10.8	8.5
LOAD POINT	85.3	94.8	104.3	113.8	123.3	132.8	142.2	151.7	161.2	170.7
EMISSION RATE	33.8	39.4	46.5	55.4	66.4	79.3	93.0	105.3	112.2	109.3
THROTTLE	12.6	15.2	17.9	20.4	22.3	23.7	25.3	29.1	40.5	74.0
MANIFOLD	6.2	4.1	2.3	1.1	0.5	0.5	0.9	1.3	1.4	0.5
SPEED POINT	1500.0									
LOAD POINT	-14.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.2
EMISSION RATE	12.1	1.0	2.9	6.4	10.9	14.7	16.5	16.2	14.9	13.5
THROTTLE	4.7	4.7	5.4	6.3	7.6	9.3	11.3	13.8	16.4	19.0
MANIFOLD	17.6	17.6	17.8	17.4	15.4	12.9	10.3	7.8	5.7	4.0
LOAD POINT	89.1	99.0	109.0	118.9	128.8	138.7	148.6	158.5	168.4	178.3
EMISSION RATE	12.9	13.4	15.8	21.4	32.9	54.9	92.9	141.2	141.2	123.9
THROTTLE	21.3	23.0	24.2	25.1	26.3	28.3	32.0	39.0	52.0	74.0
MANIFOLD	2.7	1.9	1.5	1.3	1.3	1.4	1.3	1.2	0.8	0.5
SPEED POINT	1800.0									
LOAD POINT	-19.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.1
EMISSION RATE	12.1	2.5	5.5	9.4	12.9	14.6	14.5	13.1	11.6	10.5
THROTTLE	4.6	4.6	5.6	7.5	9.8	12.4	14.7	16.7	18.5	20.1
MANIFOLD	17.7	17.7	17.7	16.4	14.4	12.0	9.6	7.3	5.4	3.9
LOAD POINT	89.0	98.9	108.8	118.7	128.6	138.5	148.4	158.3	168.2	178.1
EMISSION RATE	10.2	11.1	13.8	19.9	32.3	57.0	100.9	160.9	173.2	156.9
THROTTLE	21.9	23.9	26.0	28.0	29.6	30.6	31.6	34.3	43.0	73.8
MANIFOLD	2.7	2.0	1.6	1.4	1.3	1.3	1.2	1.1	0.8	0.5
SPEED POINT	2000.0									



LOAD POINT	-23.2	0.0	10.3	20.6	30.9	41.2	51.4	61.7	72.0	82.3
EMISSION RATE	12.1	2.1	3.5	6.5	11.0	15.9	18.8	18.4	15.8	12.7
THROTTLE	6.3	6.3	7.7	9.3	11.3	13.6	16.1	18.8	21.3	23.6
MANIFOLD	14.0	14.0	16.7	16.5	14.5	11.7	8.8	6.3	4.3	2.9
LOAD POINT	92.6	102.9	113.2	123.5	133.7	144.0	154.3	164.6	174.9	185.2
EMISSION RATE	10.4	9.4	10.1	13.4	22.3	44.1	93.5	170.9	170.9	141.7
THROTTLE	25.6	27.2	28.5	29.6	31.0	33.2	37.0	43.8	56.3	74.0
MANIFOLD	2.2	1.9	1.9	1.9	1.9	1.6	1.2	0.7	0.5	0.7
SPEED POINT 2500.0										
LOAD POINT	-31.5	0.0	9.7	19.5	29.2	39.0	48.7	58.5	68.2	78.0
EMISSION RATE	12.1	1.2	2.2	4.4	8.2	12.5	14.9	14.0	10.9	7.7
THROTTLE	16.3	16.3	19.0	17.6	15.6	14.8	15.2	17.1	20.2	24.2
MANIFOLD	18.0	18.0	15.7	14.4	13.5	12.6	11.6	10.3	8.7	7.0
LOAD POINT	87.7	97.5	107.2	117.0	126.7	136.5	146.2	155.9	165.7	175.4
EMISSION RATE	5.5	4.4	4.3	5.5	9.3	20.4	52.0	126.7	193.2	181.7
THROTTLE	28.1	31.0	32.5	32.6	32.3	32.9	35.8	42.9	56.4	74.0
MANIFOLD	5.2	3.6	2.2	1.2	0.7	0.6	0.8	1.2	1.2	0.5
SPEED POINT 3000.0										
LOAD POINT	-39.8	0.0	8.8	17.6	26.4	35.2	44.0	52.9	61.7	70.5
EMISSION RATE	12.1	1.2	1.2	1.7	2.6	3.7	4.5	4.6	4.0	3.2
THROTTLE	13.2	13.2	14.7	17.2	20.1	22.5	24.2	25.0	25.4	25.8
MANIFOLD	16.2	16.2	15.0	14.2	13.5	12.6	11.6	10.2	8.6	6.9
LOAD POINT	79.3	88.1	96.9	105.7	114.5	123.3	132.1	140.9	149.7	158.6
EMISSION RATE	2.4	2.0	1.9	2.2	3.3	6.5	16.2	45.9	126.0	227.5
THROTTLE	26.4	27.4	28.9	30.8	32.9	35.2	38.0	42.5	52.6	74.0
MANIFOLD	5.2	3.6	2.3	1.3	0.8	0.7	0.8	1.1	1.0	0.5
SPEED POINT 3500.0										
LOAD POINT	-48.1	0.0	7.4	14.7	22.1	29.5	36.8	44.2	51.6	58.9
EMISSION RATE	12.1	1.0	1.1	2.2	4.8	8.7	11.3	10.5	7.1	4.1
THROTTLE	10.0	10.0	15.8	19.9	22.2	23.6	24.9	26.5	28.5	30.9
MANIFOLD	15.5	15.5	14.4	13.7	13.0	12.2	11.3	10.1	8.7	7.2
LOAD POINT	66.3	73.7	81.1	88.4	95.8	103.2	110.5	117.9	125.3	132.6
EMISSION RATE	2.2	1.4	1.1	1.3	2.4	6.6	24.6	94.3	230.1	230.1
THROTTLE	33.5	36.1	38.6	40.9	43.4	46.4	50.6	56.6	64.6	74.0
MANIFOLD	5.6	4.2	2.9	2.0	1.3	1.0	1.0	1.1	1.0	0.5
*ENGINE		N5ADC5		RPM		TORQUE		G/HR		
1975 AMC	258.0	ENGINE	NOX	MAP						
DATA	3.750	3.900	6.	600.	3500.	.0800	.7157			
SPEED POINT 600.0										
LOAD POINT	0.0	3.0	4.4	5.9	7.3	8.8	10.2	11.7	13.1	14.6
EMISSION RATE	4.1	4.1	4.0	4.0	4.0	4.1	4.3	4.5	4.8	5.3
THROTTLE	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9
MANIFOLD	16.2	16.2	16.2	16.2	16.2	16.1	16.1	16.0	15.9	15.9
LOAD POINT	16.0	17.5	18.9	20.4	21.8	23.3	24.7	26.2	27.6	29.1
EMISSION RATE	5.7	6.3	6.9	7.6	8.4	9.3	10.2	11.3	12.4	13.4
THROTTLE	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8
MANIFOLD	15.8	15.7	15.6	15.5	15.3	15.2	15.1	14.9	14.7	14.6
SPEED POINT 700.0										
LOAD POINT	-1.7	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.3	12.9
EMISSION RATE	4.1	4.2	4.0	4.0	4.0	4.1	4.3	4.6	4.9	5.4
THROTTLE	0.0	0.0	1.0	2.1	3.0	3.8	4.5	5.1	5.5	5.8
MANIFOLD	17.5	17.5	17.0	16.6	16.2	15.9	15.6	15.3	15.0	14.8
LOAD POINT	14.5	16.1	17.8	19.4	21.0	22.6	24.2	25.8	27.4	29.1
EMISSION RATE	5.8	6.4	7.1	7.8	8.6	9.5	10.4	11.4	12.6	13.7
THROTTLE	6.0	6.1	6.1	5.9	5.6	5.2	4.7	4.0	3.3	2.4
MANIFOLD	14.6	14.4	14.3	14.1	14.1	14.0	14.0	14.0	14.0	14.1
SPEED POINT 900.0										
LOAD POINT	-5.0	0.0	9.6	19.1	28.7	38.2	47.8	57.3	66.9	76.4
EMISSION RATE	4.1	5.3	7.9	13.1	23.4	42.4	71.8	106.2	132.4	139.3
THROTTLE	1.9	1.9	2.2	2.6	3.1	3.8	4.8	5.9	7.2	8.7
MANIFOLD	17.0	17.0	16.5	16.3	16.0	15.3	14.1	12.6	10.6	8.5

LOAD POINT	86.0	95.5	105.1	114.6	124.2	133.8	143.3	152.9	162.4	172.0
EMISSION RATE	128.8	111.9	99.2	96.7	108.9	141.3	195.5	241.1	196.4	68.0
THROTTLE	10.2	11.9	13.7	15.9	18.9	23.0	29.3	38.8	52.9	72.6
MANIFOLD	6.3	4.2	2.5	1.2	0.5	0.5	0.5	0.9	1.1	0.5
SPEED POINT 1200.0										
LOAD POINT	-9.9	0.0	9.5	19.0	28.4	37.9	47.4	56.9	66.4	75.9
EMISSION RATE	4.1	6.4	10.2	22.0	42.1	63.8	81.5	96.8	114.8	138.6
THROTTLE	3.5	3.5	4.6	5.5	6.1	6.6	7.2	7.9	9.0	10.6
MANIFOLD	17.5	17.5	16.8	16.5	16.2	15.5	14.4	12.8	10.8	8.5
LOAD POINT	85.3	94.8	104.3	113.8	123.3	132.8	142.2	151.7	161.2	170.7
EMISSION RATE	165.0	183.1	180.2	156.0	125.1	103.7	101.7	127.7	184.0	185.3
THROTTLE	12.6	15.2	17.9	20.4	22.3	23.7	25.3	29.1	40.5	74.0
MANIFOLD	6.2	4.1	2.3	1.1	0.5	0.5	0.9	1.3	1.4	0.5
SPEED POINT 1500.0										
LOAD POINT	-14.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.2
EMISSION RATE	4.1	2.7	4.6	23.7	79.2	117.3	94.0	61.0	45.8	48.6
THROTTLE	4.7	4.7	5.4	6.3	7.6	9.3	11.3	13.8	16.4	19.0
MANIFOLD	17.6	17.6	17.8	17.4	15.4	12.9	10.3	7.8	5.7	4.0
LOAD POINT	89.1	99.0	109.0	118.9	128.8	138.7	148.6	158.5	168.4	178.3
EMISSION RATE	72.9	133.3	238.3	300.3	300.3	297.7	234.3	218.3	242.8	181.1
THROTTLE	21.3	23.0	24.2	25.1	26.3	28.3	32.0	39.0	52.0	74.0
MANIFOLD	2.7	1.9	1.5	1.3	1.3	1.4	1.3	1.2	0.8	0.5
SPEED POINT 1800.0										
LOAD POINT	-19.9	0.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.1
EMISSION RATE	4.1	10.2	21.6	44.3	61.9	62.4	55.6	53.4	61.6	85.5
THROTTLE	4.6	4.6	5.6	7.5	9.8	12.4	14.7	16.7	18.5	20.1
MANIFOLD	17.7	17.7	17.7	16.4	14.4	12.0	9.6	7.3	5.4	3.9
LOAD POINT	89.0	98.9	108.8	118.7	128.6	138.5	148.4	158.3	168.2	178.1
EMISSION RATE	130.5	191.2	238.5	239.7	203.6	169.1	166.2	217.7	323.3	260.2
THROTTLE	21.9	23.9	26.0	28.0	29.6	30.6	31.6	34.3	43.0	73.8
MANIFOLD	2.7	2.0	1.6	1.4	1.3	1.3	1.2	1.1	0.8	0.5
SPEED POINT 2000.0										
LOAD POINT	-23.2	0.0	10.3	20.6	30.9	41.2	51.4	61.7	72.0	82.3
EMISSION RATE	4.1	14.3	29.4	43.5	53.0	59.0	64.8	73.8	89.2	115.4
THROTTLE	6.3	6.3	7.7	9.3	11.3	13.6	16.1	18.8	21.3	23.6
MANIFOLD	14.0	14.0	16.7	16.5	14.5	11.7	8.8	6.3	4.3	2.9
LOAD POINT	92.6	102.9	113.2	123.5	133.7	144.0	154.3	164.6	174.9	185.2
EMISSION RATE	158.1	223.3	313.9	419.6	463.0	463.0	442.8	238.8	139.6	48.3
THROTTLE	25.6	27.2	28.5	29.6	31.0	33.2	37.0	43.8	56.3	74.0
MANIFOLD	2.2	1.9	1.9	1.9	1.9	1.6	1.2	0.7	0.5	0.7
SPEED POINT 2500.0										
LOAD POINT	-31.5	0.0	9.7	19.5	29.2	39.0	48.7	58.5	68.2	78.0
EMISSION RATE	4.1	32.1	47.5	53.5	63.3	84.2	119.4	167.0	218.1	262.5
THROTTLE	16.3	16.3	19.0	17.6	15.6	14.8	15.2	17.1	20.2	24.2
MANIFOLD	18.0	18.0	15.7	14.4	13.5	12.6	11.6	10.3	8.7	7.0
LOAD POINT	87.7	97.5	107.2	117.0	126.7	136.5	146.2	155.9	165.7	175.4
EMISSION RATE	299.1	337.9	394.7	481.6	592.6	643.2	643.2	513.1	352.3	315.7
THROTTLE	28.1	31.0	32.5	32.6	32.3	32.9	35.8	42.9	56.4	74.0
MANIFOLD	5.2	3.6	2.2	1.2	0.7	0.6	0.8	1.2	1.2	0.5
SPEED POINT 3000.0										
LOAD POINT	-39.8	0.0	8.8	17.6	26.4	35.2	44.0	52.9	61.7	70.5
EMISSION RATE	4.1	29.4	41.9	71.9	121.5	186.4	258.4	333.8	416.4	512.2
THROTTLE	13.2	13.2	14.7	17.2	20.1	22.5	24.2	25.0	25.4	25.8
MANIFOLD	16.2	16.2	15.0	14.2	13.5	12.6	11.6	10.2	8.6	6.9
LOAD POINT	79.3	88.1	96.9	105.7	114.5	123.3	132.1	140.9	149.7	158.6
EMISSION RATE	617.3	703.9	718.0	616.2	427.8	244.3	129.2	83.3	107.0	600.4
THROTTLE	26.4	27.4	28.9	30.8	32.9	35.2	38.0	42.5	52.6	74.0
MANIFOLD	5.2	3.6	2.3	1.3	0.8	0.7	0.8	1.1	1.0	0.5
SPEED POINT 3500.0										
LOAD POINT	-48.1	0.0	7.4	14.7	22.1	29.5	36.8	44.2	51.6	58.9
EMISSION RATE	4.1	36.5	54.7	75.7	105.7	152.5	222.7	317.8	428.8	535.3

THROTTLE	10.0	10.0	15.8	19.9	22.2	23.6	24.9	26.5	28.5	30.9
MANIFOLD	15.5	15.5	14.4	13.7	13.0	12.2	11.3	10.1	8.7	7.2
LOAD PCINT	66.3	73.7	81.1	88.4	95.8	103.2	110.5	117.9	125.3	132.6
EMISSION RATE	15.1	658.5	672.9	675.7	682.8	690.3	690.3	658.0	497.7	251.0
THROTTLE	33.5	36.1	38.6	40.9	43.4	46.4	50.6	56.6	64.6	74.0
MANIFOLD	5.6	4.2	2.9	2.0	1.3	1.0	1.0	1.1	1.0	0.5



APPENDIX E. FOREIGN MANUFACTURERS

E.1 1977 VOLVO 130 CID (2.1 LITER), F.I.

*ENGINE	F7VOT7	RPM		TORQUE			LB/HR				
1977 VOLVO	130.0	ENGINE	FUEL	MAP	CATALYTIC	CONVERTER	(OX. & RED.)				
DATA F.I.	3.620	3.150	4.	900.	5200.	.0500	.7161				
SPEED POINT	900.0										
LOAD POINT	0.0	0.8	2.4	4.0	5.7	7.3	9.0	10.6	12.2	13.9	
FUEL RATE	3.0	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.8	3.9	
THROTTLE	0.2	0.2	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.3	
MANIFOLD	12.3	12.3	11.9	11.4	10.9	10.4	9.9	9.5	9.2	8.8	
LOAD POINT	15.5	17.1	18.8	20.4	22.1	23.7	25.3	27.0	28.6	30.2	
FUEL RATE	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	
THROTTLE	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.4	
MANIFOLD	8.5	8.2	8.0	7.8	7.6	7.5	7.4	7.3	7.2	7.2	
SPEED POINT	1200.0										
LOAD POINT	-1.3	1.1	5.5	9.8	14.2	18.5	22.9	27.3	31.6	36.0	
FUEL RATE	3.0	4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.6	5.7	
THROTTLE	1.8	1.8	2.0	2.6	3.3	3.8	4.0	4.0	3.9	4.0	
MANIFOLD	13.9	13.9	12.7	11.8	11.1	10.6	10.2	9.9	9.6	9.2	
LOAD POINT	40.3	44.7	49.1	53.4	57.8	62.1	66.5	70.9	75.2	79.6	
FUEL RATE	5.9	6.1	6.3	6.6	6.8	7.2	7.6	8.0	8.5	9.1	
THROTTLE	4.3	4.8	5.6	6.6	7.5	8.4	9.5	12.1	21.7	78.5	
MANIFOLD	8.8	8.3	7.6	6.8	5.9	4.9	3.8	2.7	1.6	0.7	
SPEED POINT	1500.0										
LOAD POINT	-2.6	4.3	8.9	13.5	18.1	22.7	27.3	31.9	36.6	41.2	
FUEL RATE	3.0	4.4	4.9	5.3	5.5	5.7	5.8	6.0	6.2	6.5	
THROTTLE	2.6	2.6	3.3	3.9	4.2	4.3	4.3	4.3	4.5	4.9	
MANIFOLD	15.6	15.6	14.6	13.9	13.4	13.0	12.7	12.3	11.8	11.1	
LOAD POINT	45.8	50.4	55.0	59.6	64.2	68.9	73.5	78.1	82.7	87.3	
FUEL RATE	6.9	7.4	7.9	8.6	9.2	9.8	10.4	10.9	11.2	11.2	
THROTTLE	5.5	6.5	7.8	9.3	10.9	12.6	14.7	19.0	30.9	79.3	
MANIFOLD	10.3	9.3	8.2	6.9	5.6	4.3	3.1	2.0	1.2	0.7	
SPEED POINT	1800.0										
LOAD POINT	-3.9	3.1	8.1	13.2	18.2	23.2	28.2	33.3	38.3	43.3	
FUEL RATE	3.0	5.6	5.6	5.7	5.9	6.2	6.6	7.0	7.5	8.0	
THROTTLE	3.5	3.5	3.8	4.1	4.4	4.6	4.9	5.3	5.9	6.6	
MANIFOLD	16.4	16.4	15.8	15.4	15.1	14.7	14.2	13.6	12.7	11.8	
LOAD POINT	48.3	53.4	58.4	63.4	68.4	73.5	78.5	83.5	88.5	93.6	
FUEL RATE	8.6	9.2	9.8	10.5	11.2	11.8	12.5	13.1	13.7	14.3	
THROTTLE	7.5	8.6	9.8	10.9	12.1	13.3	15.2	19.5	31.7	78.8	
MANIFOLD	10.7	9.5	8.3	7.1	5.9	4.8	3.8	2.8	1.8	0.8	
SPEED POINT	2300.0										
LOAD POINT	-6.0	3.4	8.5	13.6	18.7	23.9	29.0	34.1	39.2	44.4	
FUEL RATE	3.0	6.0	6.2	6.5	6.9	7.4	8.0	8.7	9.4	10.2	
THROTTLE	4.0	4.0	4.2	4.7	5.3	5.9	6.5	7.1	7.7	8.5	
MANIFOLD	18.1	18.1	17.9	17.4	16.7	15.9	15.0	14.1	13.1	12.0	
LOAD POINT	49.5	54.6	59.7	64.9	70.0	75.1	80.3	85.4	90.5	95.6	
FUEL RATE	11.0	11.8	12.7	13.5	14.4	15.2	16.0	16.8	17.6	18.4	
THROTTLE	9.4	10.6	12.0	13.5	15.0	16.6	18.9	23.6	35.9	79.5	
MANIFOLD	10.9	9.8	8.7	7.4	6.2	4.9	3.7	2.6	1.6	1.0	
SPEED POINT	2500.0										
LOAD POINT	-6.9	5.6	11.0	16.4	21.8	27.2	32.6	38.0	43.3	48.7	
FUEL RATE	3.0	6.2	6.5	7.1	7.7	8.4	9.1	9.9	10.7	11.6	
THROTTLE	4.2	4.2	4.5	5.1	6.0	6.8	7.5	8.2	8.9	9.7	
MANIFOLD	18.7	18.7	18.3	17.6	16.8	15.8	14.8	13.8	12.7	11.6	
LOAD POINT	54.1	59.5	64.9	70.3	75.7	81.1	86.5	91.9	97.3	102.7	
FUEL RATE	12.5	13.4	14.3	15.3	16.2	17.2	18.1	19.1	20.0	20.9	
THROTTLE	10.7	11.9	13.4	15.1	16.8	18.8	21.5	26.5	38.9	79.8	
MANIFOLD	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9	1.1	
SPEED POINT	3400.0										
LOAD POINT	-10.8	3.5	8.8	14.1	19.4	24.7	30.0	35.2	40.5	45.8	
FUEL RATE	3.0	8.1	9.0	9.9	10.8	11.8	12.8	13.9	15.0	16.1	
THROTTLE	5.4	5.4	6.3	7.3	8.3	9.1	9.9	10.6	11.5	12.5	

MANIFOLD	19.6	19.6	18.8	17.9	17.1	16.2	15.3	14.3	13.3	12.3
LOAD POINT	51.1	56.4	61.7	67.0	72.3	77.6	82.9	88.2	93.5	98.8
FUEL RATE	17.3	18.5	19.7	20.9	22.2	23.5	24.8	26.1	27.4	28.6
THROTTLE	13.8	15.3	16.9	18.5	20.0	21.6	23.9	28.5	40.5	78.9
MANIFOLD	11.2	10.2	9.1	8.0	7.0	5.9	4.9	3.8	2.7	1.5
SPEED POINT 4000.0										
LOAD POINT	-13.4	5.5	10.5	15.4	20.3	25.3	30.2	35.2	40.1	45.1
FUEL RATE	3.0	9.7	10.8	11.9	13.0	14.2	15.4	16.6	17.9	19.2
THROTTLE	7.2	7.2	8.2	9.3	10.3	11.3	12.1	13.0	13.9	15.0
MANIFOLD	19.2	19.2	18.4	17.5	16.6	15.7	14.8	13.9	12.9	11.9
LOAD POINT	50.0	55.0	59.9	64.9	69.8	74.7	79.7	84.6	89.6	94.5
FUEL RATE	20.5	21.9	23.3	24.7	26.1	27.5	28.9	30.2	31.5	32.7
THROTTLE	16.3	17.8	19.4	21.2	22.9	24.8	27.5	32.6	44.6	79.0
MANIFOLD	10.9	9.9	8.9	7.8	6.8	5.7	4.7	3.8	2.8	1.9
SPEED POINT 5200.0										
LOAD POINT	-18.6	6.6	11.2	15.8	20.5	25.1	29.7	34.3	39.0	43.6
FUEL RATE	3.0	14.2	15.6	17.1	18.5	19.9	21.3	22.7	24.2	25.7
THROTTLE	10.9	10.9	12.1	13.3	14.3	15.3	16.2	17.1	18.2	19.4
MANIFOLD	18.9	18.9	18.1	17.3	16.5	15.6	14.7	13.8	13.0	12.1
LOAD POINT	48.2	52.6	57.5	62.1	66.7	71.3	75.9	80.6	85.2	89.8
FUEL RATE	27.3	28.9	30.5	32.2	33.9	35.6	37.4	39.1	40.7	42.2
THROTTLE	20.8	22.4	24.0	25.7	27.3	29.3	32.1	37.4	49.1	79.1
MANIFOLD	11.2	10.4	9.4	8.5	7.6	6.6	5.6	4.6	3.7	2.9
*ENGINE		C7VOT7		RPM		TORQUE		G/HR(*.1)		
1977 VOLVO	130.0	ENGINE	CO MAP		CATALYTIC	CONVERTER				
DATA	3.620	3.150	4.	900.	5200.	.0500	.7161			
SPEED POINT 900.0										
LOAD POINT	0.0	0.8	2.4	4.0	5.7	7.3	9.0	10.6	12.2	13.9
EMISSION RATE	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
THROTTLE	0.2	0.2	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.3
MANIFOLD	12.3	12.3	11.9	11.4	10.9	10.4	9.9	9.5	9.2	8.8
LOAD POINT	15.5	17.1	18.8	20.4	22.1	23.7	25.3	27.0	28.6	30.2
EMISSION RATE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
THROTTLE	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.4
MANIFOLD	8.5	8.2	8.0	7.8	7.6	7.5	7.4	7.3	7.2	7.2
SPEED POINT 1200.0										
LOAD POINT	-1.3	1.1	5.5	9.8	14.2	18.5	22.9	27.3	31.6	36.0
EMISSION RATE	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.6	0.8
THROTTLE	1.8	1.8	2.0	2.6	3.3	3.8	4.0	4.0	3.9	4.0
MANIFOLD	13.9	13.9	12.7	11.8	11.1	10.6	10.2	9.9	9.6	9.2
LOAD POINT	40.3	44.7	49.1	53.4	57.8	62.1	66.5	70.9	75.2	79.6
EMISSION RATE	1.2	1.5	1.8	2.0	2.0	1.9	1.7	1.7	2.2	4.0
THROTTLE	4.3	4.8	5.6	6.6	7.5	8.4	9.5	12.1	21.7	78.5
MANIFOLD	8.8	8.3	7.6	6.8	5.9	4.9	3.8	2.7	1.6	0.7
SPEED POINT 1500.0										
LOAD POINT	-2.6	4.3	8.9	13.5	18.1	22.7	27.3	31.9	36.6	41.2
EMISSION RATE	0.3	0.3	1.3	1.9	1.5	1.0	0.6	0.4	0.3	0.3
THROTTLE	2.6	2.6	3.3	3.9	4.2	4.3	4.3	4.3	4.5	4.9
MANIFOLD	15.6	15.6	14.6	13.9	13.4	13.0	12.7	12.3	11.8	11.1
LOAD POINT	45.8	50.4	55.0	59.6	64.2	68.9	73.5	78.1	82.7	87.3
EMISSION RATE	0.4	0.7	1.1	1.7	2.6	3.4	4.0	4.3	4.7	6.3
THROTTLE	5.5	6.5	7.8	9.3	10.9	12.6	14.7	19.0	30.9	79.3
MANIFOLD	10.3	9.3	8.2	6.9	5.6	4.3	3.1	2.0	1.2	0.7
SPEED POINT 1800.0										
LOAD POINT	-3.9	3.1	8.1	13.2	18.2	23.2	28.2	33.3	38.3	43.3
EMISSION RATE	0.3	7.7	3.3	1.9	1.4	1.2	1.2	1.4	1.6	2.0
THROTTLE	3.5	3.5	3.8	4.1	4.4	4.6	4.9	5.3	5.9	6.6
MANIFOLD	16.4	16.4	15.8	15.4	15.1	14.7	14.2	13.6	12.7	11.8
LOAD POINT	48.3	53.4	58.4	63.4	68.4	73.5	78.5	83.5	88.5	93.6
EMISSION RATE	2.5	3.0	3.5	3.8	3.9	3.8	3.7	3.6	3.7	4.3
THROTTLE	7.5	8.6	9.8	10.9	12.1	13.3	15.2	19.5	31.7	78.8

MANIFOLD	10.7	9.5	8.3	7.1	5.9	4.8	3.8	2.8	1.8	0.8
SPEED POINT 2300.0										
LOAD POINT	-6.0	3.4	8.5	13.6	18.7	23.9	29.0	34.1	39.2	44.4
EMISSION RATE	0.3	2.2	1.9	2.0	2.1	2.3	2.4	2.4	2.3	2.2
THROTTLE	4.0	4.0	4.2	4.7	5.3	5.9	6.5	7.1	7.7	8.5
MANIFOLD	18.1	18.1	17.9	17.4	16.7	15.9	15.0	14.1	13.1	12.0
LOAD POINT	49.5	54.6	59.7	64.9	70.0	75.1	80.3	85.4	90.5	95.6
EMISSION RATE	2.0	2.0	2.1	2.4	2.9	3.7	5.1	6.8	7.9	7.6
THROTTLE	9.4	10.6	12.0	13.5	15.0	16.6	18.9	23.6	35.9	79.5
MANIFOLD	10.9	9.8	8.7	7.4	6.2	4.9	3.7	2.6	1.6	1.0
SPEED POINT 2500.0										
LOAD POINT	-6.9	5.6	11.0	16.4	21.8	27.2	32.6	38.0	43.3	48.7
EMISSION RATE	0.3	1.3	1.0	1.2	1.8	2.5	3.0	3.1	2.8	2.2
THROTTLE	4.2	4.2	4.5	5.1	6.0	6.8	7.5	8.2	8.9	9.7
MANIFOLD	18.7	18.7	18.3	17.6	16.8	15.8	14.8	13.8	12.7	11.6
LOAD POINT	54.1	59.5	64.9	70.3	75.7	81.1	86.5	91.9	97.3	102.7
EMISSION RATE	1.7	1.4	1.3	1.4	1.9	3.1	5.6	9.8	9.8	8.5
THROTTLE	10.7	11.9	13.4	15.1	16.8	18.8	21.5	26.5	38.9	79.8
MANIFOLD	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9	1.1
SPEED POINT 3400.0										
LOAD POINT	-10.8	3.5	8.8	14.1	19.4	24.7	30.0	35.2	40.5	45.8
EMISSION RATE	0.3	0.8	2.2	3.7	4.2	4.0	3.6	3.3	3.3	3.5
THROTTLE	5.4	5.4	6.3	7.3	8.3	9.1	9.9	10.6	11.5	12.5
MANIFOLD	19.6	19.6	18.8	17.9	17.1	16.2	15.3	14.3	13.3	12.3
LOAD POINT	51.1	56.4	61.7	67.0	72.3	77.6	82.9	88.2	93.5	98.8
EMISSION RATE	4.0	4.8	6.1	7.6	9.1	10.6	11.6	12.6	14.0	17.2
THROTTLE	13.8	15.3	16.9	18.5	20.0	21.6	23.9	28.5	40.5	78.9
MANIFOLD	11.2	10.2	9.1	8.0	7.0	5.9	4.9	3.8	2.7	1.5
SPEED POINT 4000.0										
LOAD POINT	-13.4	5.5	10.5	15.4	20.3	25.3	30.2	35.2	40.1	45.1
EMISSION RATE	0.3	4.4	5.1	6.5	8.4	10.7	13.2	15.6	17.6	18.9
THROTTLE	7.2	7.2	8.2	9.3	10.3	11.3	12.1	13.0	13.9	15.0
MANIFOLD	19.2	19.2	18.4	17.5	16.6	15.7	14.8	13.9	12.9	11.9
LOAD POINT	50.0	55.0	59.9	64.9	69.8	74.7	79.7	84.6	89.6	94.5
EMISSION RATE	19.6	19.7	19.6	19.4	19.4	20.0	21.2	23.2	26.2	30.0
THROTTLE	16.3	17.8	19.4	21.2	22.9	24.8	27.5	32.6	44.6	79.0
MANIFOLD	10.9	9.9	8.9	7.8	6.8	5.7	4.7	3.8	2.8	1.9
SPEED POINT 5200.0										
LOAD POINT	-18.6	6.6	11.2	15.8	20.5	25.1	29.7	34.3	39.0	43.6
EMISSION RATE	0.3	4.7	5.4	5.9	6.4	6.8	7.4	8.3	9.4	10.9
THROTTLE	10.9	10.9	12.1	13.3	14.3	15.3	16.2	17.1	18.2	19.4
MANIFOLD	18.9	18.9	18.1	17.3	16.5	15.6	14.7	13.8	13.0	12.1
LOAD POINT	48.2	52.8	57.5	62.1	66.7	71.3	75.9	80.6	85.2	89.8
EMISSION RATE	12.9	15.4	18.3	21.7	25.3	29.2	33.6	39.0	46.9	60.3
THROTTLE	20.8	22.4	24.0	25.7	27.3	29.3	32.1	37.4	49.1	79.1
MANIFOLD	11.2	10.4	9.4	8.5	7.6	6.6	5.6	4.6	3.7	2.9
*ENGINE		H7VOT7		RPM		TORQUE		G/HR		
1977 VGLVC	130.0	ENGINE	HC	MAP		CATALYTIC		CONVERTER		
DATA	3.620	3.150	4.	900.	5200.	.0500	.7161			
SPEED POINT 900.0										
LOAD POINT	0.0	0.8	2.4	4.0	5.7	7.3	9.0	10.6	12.2	13.9
EMISSION RATE	2.7	2.7	2.5	2.3	2.0	1.9	1.7	1.5	1.4	1.3
THROTTLE	0.2	0.2	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.3
MANIFOLD	12.3	12.3	11.9	11.4	10.9	10.4	9.9	9.5	9.2	8.8
LOAD POINT	15.5	17.1	18.8	20.4	22.1	23.7	25.3	27.0	28.6	30.2
EMISSION RATE	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
THROTTLE	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.4
MANIFOLD	8.5	8.2	8.0	7.8	7.6	7.5	7.4	7.3	7.2	7.2
SPEED POINT 1200.0										
LOAD POINT	-1.3	1.1	5.5	9.8	14.2	18.5	22.9	27.3	31.6	36.0
EMISSION RATE	2.7	1.0	0.7	0.6	0.6	0.6	0.7	0.8	1.0	1.2

THROTTLE	1.8	1.8	2.0	2.6	3.3	3.8	4.0	4.0	3.9	4.0
MANIFOLD	13.9	13.9	12.7	11.8	11.1	10.6	10.2	9.9	9.6	9.2
LOAD PCINT	40.3	44.7	49.1	53.4	57.8	62.1	66.5	70.9	75.2	79.6
EMISSION RATE	1.5	1.7	2.0	2.3	2.6	2.8	3.1	3.6	4.4	5.9
THROTTLE	4.3	4.8	5.6	6.6	7.5	8.4	9.5	12.1	21.7	78.5
MANIFOLD	8.8	8.3	7.6	6.8	5.9	4.9	3.8	2.7	1.6	0.7
SPEED POINT 1500.0										
LOAD POINT	-2.6	4.3	8.9	13.5	18.1	22.7	27.3	31.9	36.6	41.2
EMISSION RATE	2.7	1.2	1.6	1.7	1.7	1.6	1.4	1.4	1.3	1.4
THROTTLE	2.6	2.6	3.3	3.9	4.2	4.3	4.3	4.3	4.5	4.9
MANIFOLD	15.6	15.6	14.6	13.9	13.4	13.0	12.7	12.3	11.8	11.1
LOAD PCINT	45.8	50.4	55.0	59.6	64.2	68.9	73.5	78.1	82.7	87.3
EMISSION RATE	1.5	1.7	2.0	2.3	2.9	3.5	4.2	4.9	5.6	6.0
THROTTLE	5.5	6.5	7.8	9.3	10.9	12.6	14.7	19.0	30.9	79.3
MANIFOLD	10.3	9.3	8.2	6.9	5.6	4.3	3.1	2.0	1.2	0.7
SPEED POINT 1800.0										
LOAD POINT	-3.9	3.1	8.1	13.2	18.2	23.2	28.2	33.3	38.3	43.3
EMISSION RATE	2.7	2.1	1.7	1.5	1.4	1.5	1.6	1.7	2.0	2.3
THROTTLE	3.5	3.5	3.8	4.1	4.4	4.6	4.9	5.3	5.9	6.6
MANIFOLD	16.4	16.4	15.8	15.4	15.1	14.7	14.2	13.6	12.7	11.8
LOAD POINT	48.3	53.4	58.4	63.4	68.4	73.5	78.5	83.5	88.5	93.6
EMISSION RATE	2.6	3.0	3.4	3.8	4.1	4.3	4.4	4.4	4.5	4.6
THROTTLE	7.5	8.6	9.8	10.9	12.1	13.3	15.2	19.5	31.7	78.8
MANIFOLD	10.7	9.5	8.3	7.1	5.9	4.8	3.8	2.8	1.8	0.8
SPEED POINT 2300.0										
LOAD PCINT	-6.0	3.4	8.5	13.6	18.7	23.9	29.0	34.1	39.2	44.4
EMISSION RATE	2.7	0.9	1.1	1.2	1.4	1.5	1.6	1.8	2.0	2.2
THROTTLE	4.0	4.0	4.2	4.7	5.3	5.9	6.5	7.1	7.7	8.5
MANIFOLD	18.1	18.1	17.9	17.4	16.7	15.9	15.0	14.1	13.1	12.0
LOAD POINT	49.5	54.6	59.7	64.9	70.0	75.1	80.3	85.4	90.5	95.6
EMISSION RATE	2.4	2.7	3.0	3.3	3.5	3.7	4.0	4.3	4.9	6.0
THROTTLE	9.4	10.6	12.0	13.5	15.0	16.6	18.9	23.6	35.9	79.5
MANIFOLD	10.9	9.8	8.7	7.4	6.2	4.9	3.7	2.6	1.6	1.0
SPEED POINT 2500.0										
LOAD POINT	-6.9	5.6	11.0	16.4	21.8	27.2	32.6	38.0	43.3	48.7
EMISSION RATE	2.7	0.8	0.9	1.1	1.4	1.7	1.9	2.2	2.3	2.4
THROTTLE	4.2	4.2	4.5	5.1	6.0	6.8	7.5	8.2	8.9	9.7
MANIFOLD	18.7	18.7	18.3	17.6	16.8	15.8	14.8	13.8	12.7	11.6
LOAD POINT	54.1	59.5	64.9	70.3	75.7	81.1	86.5	91.9	97.3	102.7
EMISSION RATE	2.5	2.5	2.7	2.9	3.3	4.0	4.7	5.6	6.1	5.8
THROTTLE	10.7	11.9	13.4	15.1	16.8	18.8	21.5	26.5	38.9	79.8
MANIFOLD	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9	1.1
SPEED POINT 3400.0										
LOAD PCINT	-10.8	3.5	8.8	14.1	19.4	24.7	30.0	35.2	40.5	45.8
EMISSION RATE	2.7	0.5	0.9	1.3	1.6	1.9	2.2	2.6	3.0	3.5
THROTTLE	5.4	5.4	6.3	7.3	8.3	9.1	9.9	10.6	11.5	12.5
MANIFOLD	19.6	19.6	18.8	17.9	17.1	16.2	15.3	14.3	13.3	12.3
LOAD PCINT	51.1	56.4	61.7	67.0	72.3	77.6	82.9	88.2	93.5	98.8
EMISSION RATE	4.1	4.8	5.3	5.7	5.9	5.9	5.9	6.2	7.2	9.8
THROTTLE	13.8	15.3	16.9	18.5	20.0	21.6	23.9	28.5	40.5	78.9
MANIFOLD	11.2	10.2	9.1	8.0	7.0	5.9	4.9	3.8	2.7	1.5
SPEED POINT 4000.0										
LOAD PCINT	-13.4	5.5	10.5	15.4	20.3	25.3	30.2	35.2	40.1	45.1
EMISSION RATE	2.7	0.9	1.2	1.7	2.4	3.3	4.3	5.4	6.3	7.0
THROTTLE	7.2	7.2	8.2	9.3	10.3	11.3	12.1	13.0	13.9	15.0
MANIFOLD	19.2	19.2	18.4	17.5	16.6	15.7	14.8	13.9	12.9	11.9
LOAD POINT	50.0	55.0	59.9	64.9	69.8	74.7	79.7	84.6	89.6	94.5
EMISSION RATE	7.3	7.4	7.4	7.4	7.4	7.7	8.2	9.0	10.1	11.0
THROTTLE	16.3	17.8	19.4	21.2	22.9	24.8	27.5	32.6	44.6	79.0
MANIFOLD	10.9	9.9	8.9	7.8	6.8	5.7	4.7	3.8	2.8	1.9
SPEED POINT 5200.0										



LOAD POINT	-18.6	6.6	11.2	15.8	20.5	25.1	29.7	34.3	39.0	43.6
EMISSION RATE	2.7	1.8	1.9	2.2	2.8	3.6	4.4	5.1	5.7	6.0
THROTTLE	10.9	10.9	12.1	13.3	14.3	15.3	16.2	17.1	18.2	19.4
MANIFOLD	18.9	18.9	18.1	17.3	16.5	15.6	14.7	13.8	13.0	12.1
LOAD POINT	48.2	52.8	57.5	62.1	66.7	71.3	75.9	80.6	85.2	89.8
EMISSION RATE	6.1	6.2	6.4	6.8	7.7	9.2	11.9	16.2	22.8	31.5
THROTTLE	20.8	22.4	24.0	25.7	27.3	29.3	32.1	37.4	49.1	79.1
MANIFOLD	11.2	10.4	9.4	8.5	7.6	6.6	5.6	4.6	3.7	2.9
*ENGINE		N7VOT7		RPM		TORQUE		G/HR		
1977 VGLVC	130.0	ENGINE	NOX	MAP	CATALYTIC	CONVERTER				
DATA	3.620	3.150	4.	900.	5200.	.050J	.7161			
SPEED POINT	900.0									
LOAD POINT	0.0	0.8	2.4	4.0	5.7	7.3	9.0	10.6	12.2	13.9
EMISSION RATE	0.0	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.1
THROTTLE	0.2	0.2	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.3
MANIFOLD	12.3	12.3	11.9	11.4	10.9	10.4	9.9	9.5	9.2	8.8
LOAD POINT	15.5	17.1	18.8	20.4	22.1	23.7	25.3	27.0	28.6	30.2
EMISSION RATE	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
THROTTLE	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.4
MANIFOLD	8.5	8.2	8.0	7.8	7.6	7.5	7.4	7.3	7.2	7.2
SPEED POINT	1200.0									
LOAD POINT	-1.3	1.1	5.5	9.8	14.2	18.5	22.9	27.3	31.6	36.0
EMISSION RATE	0.0	0.2	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4
THROTTLE	1.8	1.8	2.0	2.6	3.3	3.8	4.0	4.0	3.9	4.0
MANIFOLD	13.9	13.9	12.7	11.8	11.1	10.6	10.2	9.9	9.6	9.2
LOAD POINT	40.3	44.7	49.1	53.4	57.8	62.1	66.5	70.9	75.2	79.6
EMISSION RATE	0.4	0.4	0.4	0.5	0.7	1.0	1.5	2.3	3.0	3.2
THROTTLE	4.3	4.8	5.6	6.6	7.5	8.4	9.5	12.1	21.7	78.5
MANIFOLD	8.8	8.3	7.6	6.8	5.9	4.9	3.8	2.7	1.6	0.7
SPEED POINT	1500.0									
LOAD POINT	-2.6	4.3	8.9	13.5	18.1	22.7	27.3	31.9	36.6	41.2
EMISSION RATE	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
THROTTLE	2.6	2.6	3.3	3.9	4.2	4.3	4.3	4.3	4.5	4.9
MANIFOLD	15.6	15.6	14.6	13.9	13.4	13.0	12.7	12.3	11.8	11.1
LOAD POINT	45.8	50.4	55.0	59.6	64.2	68.9	73.5	78.1	82.7	87.3
EMISSION RATE	0.4	0.6	0.8	1.0	1.2	1.3	1.4	1.7	2.3	3.4
THROTTLE	5.5	6.5	7.8	9.3	10.9	12.6	14.7	19.0	30.9	79.3
MANIFOLD	10.3	9.3	8.2	6.9	5.6	4.3	3.1	2.0	1.2	0.7
SPEED POINT	1800.0									
LOAD POINT	-3.9	3.1	8.1	13.2	18.2	23.2	28.2	33.3	38.3	43.3
EMISSION RATE	0.0	0.2	0.2	0.3	0.5	0.7	0.7	0.6	0.6	0.8
THROTTLE	3.5	3.5	3.8	4.1	4.4	4.6	4.9	5.3	5.9	6.6
MANIFOLD	16.4	16.4	15.8	15.4	15.1	14.7	14.2	13.6	12.7	11.8
LOAD POINT	48.3	53.4	58.4	63.4	68.4	73.5	78.5	83.5	88.5	93.6
EMISSION RATE	1.0	1.4	1.9	2.1	2.1	1.9	2.0	2.5	3.1	3.1
THROTTLE	7.5	8.6	9.8	10.9	12.1	13.3	15.2	19.5	31.7	78.8
MANIFOLD	10.7	9.5	8.3	7.1	5.9	4.8	3.8	2.8	1.8	0.8
SPEED POINT	2300.0									
LOAD POINT	-6.0	3.4	8.5	13.6	18.7	23.9	29.0	34.1	39.2	44.4
EMISSION RATE	0.0	0.3	0.3	0.4	0.6	0.8	1.0	1.1	1.3	1.5
THROTTLE	4.0	4.0	4.2	4.7	5.3	5.9	6.5	7.1	7.7	8.5
MANIFOLD	18.1	18.1	17.9	17.4	16.7	15.9	15.0	14.1	13.1	12.0
LOAD POINT	49.5	54.6	59.7	64.9	70.0	75.1	80.3	85.4	90.5	95.6
EMISSION RATE	1.7	2.0	2.3	2.6	2.7	2.9	3.1	3.6	3.6	2.8
THROTTLE	9.4	10.6	12.0	13.5	15.0	16.6	18.9	23.6	35.9	79.5
MANIFOLD	10.9	9.8	8.7	7.4	6.2	4.9	3.7	2.6	1.6	1.0
SPEED POINT	2500.0									
LOAD POINT	-6.9	5.6	11.0	16.4	21.8	27.2	32.6	38.0	43.3	48.7
EMISSION RATE	0.0	0.2	0.5	0.6	0.7	0.8	0.8	1.0	1.1	1.3
THROTTLE	4.2	4.2	4.5	5.1	6.0	6.8	7.5	8.2	8.9	9.7
MANIFOLD	18.7	18.7	18.3	17.6	16.8	15.8	14.8	13.8	12.7	11.6

LOAD POINT	54.1	59.5	64.9	70.3	75.7	81.1	86.5	91.9	97.3	102.7
EMISSION RATE	1.5	1.7	1.8	2.0	2.1	2.4	2.7	3.0	3.1	3.1
THROTTLE	10.7	11.9	13.4	15.1	16.8	18.8	21.5	26.5	38.9	79.8
MANIFOLD	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9	1.1
SPEED POINT 3400.0										
LOAD POINT	-10.8	3.5	8.8	14.1	19.4	24.7	30.0	35.2	40.5	45.8
EMISSION RATE	0.0	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6
THROTTLE	5.4	5.4	6.3	7.3	8.3	9.1	9.9	10.6	11.5	12.5
MANIFOLD	19.6	19.6	18.8	17.9	17.1	16.2	15.3	14.3	13.3	12.3
LOAD POINT	51.1	56.4	61.7	67.0	72.3	77.6	82.9	88.2	93.5	98.8
EMISSION RATE	1.9	2.4	3.2	4.4	5.9	7.6	8.9	9.8	11.4	19.2
THROTTLE	13.8	15.3	16.9	18.5	20.0	21.6	23.9	28.5	40.5	78.9
MANIFOLD	11.2	10.2	9.1	8.0	7.0	5.9	4.9	3.8	2.7	1.5
SPEED POINT 4000.0										
LOAD POINT	-13.4	5.5	10.5	15.4	20.3	25.3	30.2	35.2	40.1	45.1
EMISSION RATE	0.0	0.5	0.6	0.8	1.0	1.2	1.6	2.0	2.5	3.1
THROTTLE	7.2	7.2	8.2	9.3	10.3	11.3	12.1	13.0	13.9	15.0
MANIFOLD	19.2	19.2	18.4	17.5	16.6	15.7	14.8	13.9	12.9	11.9
LOAD POINT	50.0	55.0	59.9	64.9	69.8	74.7	79.7	84.6	89.6	94.5
EMISSION RATE	3.7	4.4	5.3	6.5	8.0	9.8	11.7	13.6	15.8	20.2
THROTTLE	16.3	17.8	19.4	21.2	22.9	24.8	27.5	32.6	44.6	79.0
MANIFOLD	10.9	9.9	8.9	7.8	6.8	5.7	4.7	3.8	2.8	1.9
SPEED POINT 5200.0										
LOAD POINT	-18.6	6.6	11.2	15.8	20.5	25.1	29.7	34.3	39.0	43.6
EMISSION RATE	0.0	1.1	1.1	1.3	1.9	3.0	4.7	7.2	10.3	13.9
THROTTLE	10.9	10.9	12.1	13.3	14.3	15.3	16.2	17.1	18.2	19.4
MANIFOLD	18.9	18.9	18.1	17.3	16.5	15.6	14.7	13.8	13.0	12.1
LOAD POINT	48.2	52.8	57.5	62.1	66.7	71.3	75.9	80.6	85.2	89.8
EMISSION RATE	17.5	20.8	23.7	26.2	28.5	30.5	32.5	35.1	40.1	52.8
THROTTLE	20.8	22.4	24.0	25.7	27.3	29.3	32.1	37.4	49.1	79.1
MANIFOLD	11.2	10.4	9.4	8.5	7.6	6.6	5.6	4.6	3.7	2.9
*ENGINE	X7VOT7		RPM		TCRQUE		G/HR(*.1)			
1977 VOLVO	130.0	ENGINE	RAW CO MAP		CATALYTIC		CCNVERTER			
DATA	3.620	3.150	4.	500.	5200.	.0500	.7161			
SPEED POINT 900.0										
LOAD POINT	0.0	0.8	2.4	4.0	5.7	7.3	9.0	10.6	12.2	13.9
EMISSION RATE	17.1	17.1	17.4	17.8	18.2	18.6	18.9	19.3	19.7	20.1
THROTTLE	0.2	0.2	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.3
MANIFOLD	12.3	12.3	11.9	11.4	10.9	10.4	9.9	9.5	9.2	8.8
LOAD POINT	15.5	17.1	18.8	20.4	22.1	23.7	25.3	27.0	28.6	30.2
EMISSION RATE	20.5	20.9	21.3	21.7	22.1	22.5	22.9	23.3	23.7	24.1
THROTTLE	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.4
MANIFOLD	8.5	8.2	8.0	7.8	7.6	7.5	7.4	7.3	7.2	7.2
SPEED POINT 1200.0										
LOAD POINT	-1.3	1.1	5.5	9.8	14.2	18.5	22.9	27.3	31.6	36.0
EMISSION RATE	17.1	24.2	23.5	23.9	24.9	26.3	27.7	29.1	30.2	31.0
THROTTLE	1.8	1.8	2.0	2.6	3.3	3.8	4.0	4.0	3.9	4.0
MANIFOLD	13.9	13.9	12.7	11.8	11.1	10.6	10.2	9.9	9.6	9.2
LOAD POINT	40.3	44.7	49.1	53.4	57.8	62.1	66.5	70.9	75.2	79.6
EMISSION RATE	31.4	31.6	31.6	31.5	31.5	31.5	31.8	32.2	32.7	33.0
THROTTLE	4.3	4.8	5.6	6.6	7.5	8.4	9.5	12.1	21.7	78.5
MANIFOLD	8.8	8.3	7.6	6.8	5.9	4.9	3.8	2.7	1.6	0.7
SPEED POINT 1500.0										
LOAD POINT	-2.6	4.3	8.9	13.5	18.1	22.7	27.3	31.9	36.6	41.2
EMISSION RATE	17.1	28.0	27.4	27.8	28.8	30.2	31.7	33.2	34.4	35.3
THROTTLE	2.6	2.6	3.3	3.9	4.2	4.3	4.3	4.3	4.5	4.9
MANIFOLD	15.6	15.6	14.6	13.9	13.4	13.0	12.7	12.3	11.8	11.1
LOAD POINT	45.8	50.4	55.0	59.6	64.2	68.9	73.5	78.1	82.7	87.3
EMISSION RATE	35.8	35.8	35.6	35.1	34.7	34.6	35.0	36.4	39.3	44.5
THROTTLE	5.5	6.5	7.8	9.3	10.9	12.6	14.7	19.0	30.9	79.3
MANIFOLD	10.3	9.3	8.2	6.9	5.6	4.3	3.1	2.0	1.2	0.7

SPEED POINT	1800.0									
LOAD POINT	-3.9	3.1	8.1	13.2	18.2	23.2	28.2	33.3	38.3	43.3
EMISSION RATE	17.1	32.2	30.0	30.1	31.6	34.0	36.8	39.6	42.1	43.8
THRATTLE	3.5	3.5	3.8	4.1	4.4	4.6	4.9	5.3	5.9	6.6
MANIFOLD	16.4	16.4	15.8	15.4	15.1	14.7	14.2	13.6	12.7	11.8
LOAD POINT	48.3	53.4	58.4	63.4	68.4	73.5	78.5	83.5	88.5	93.6
EMISSION RATE	44.6	44.5	43.4	41.9	40.2	38.7	37.8	37.9	39.6	43.8
THRATTLE	7.5	8.6	9.8	10.9	12.1	13.3	15.2	19.5	31.7	78.8
MANIFOLD	10.7	9.5	8.3	7.1	5.9	4.8	3.8	2.8	1.8	0.8
SPEED POINT	2300.0									
LOAD POINT	-6.0	3.4	8.5	13.6	18.7	23.9	29.0	34.1	39.2	44.4
EMISSION RATE	17.1	25.9	27.0	29.1	31.7	34.7	37.5	40.1	42.2	43.8
THRATTLE	4.0	4.0	4.2	4.7	5.3	5.9	6.5	7.1	7.7	8.5
MANIFOLD	18.1	18.1	17.9	17.4	16.7	15.9	15.0	14.1	13.1	12.0
LOAD POINT	49.5	54.6	59.7	64.9	70.0	75.1	80.3	85.4	90.5	95.6
EMISSION RATE	45.1	46.1	47.1	48.3	49.9	51.8	54.0	56.1	57.3	57.3
THRATTLE	9.4	10.6	12.0	13.5	15.0	16.6	18.9	23.6	35.9	79.5
MANIFOLD	10.9	9.8	8.7	7.4	6.2	4.9	3.7	2.6	1.6	1.0
SPEED POINT	2500.0									
LOAD POINT	-6.9	5.6	11.0	16.4	21.8	27.2	32.6	38.0	43.3	48.7
EMISSION RATE	17.1	27.9	30.3	33.7	37.5	41.2	44.6	47.2	49.0	50.2
THRATTLE	4.2	4.2	4.5	5.1	6.0	6.8	7.5	8.2	8.9	9.7
MANIFOLD	18.7	18.7	18.3	17.6	16.8	15.8	14.8	13.8	12.7	11.6
LOAD POINT	54.1	59.5	64.9	70.3	75.7	81.1	86.5	91.9	97.3	102.7
EMISSION RATE	50.9	51.5	52.3	53.6	55.5	58.1	61.3	64.6	66.5	66.3
THRATTLE	10.7	11.9	13.4	15.1	16.8	18.8	21.5	26.5	38.9	79.8
MANIFOLD	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9	1.1
SPEED POINT	3400.0									
LOAD POINT	-10.8	3.5	8.8	14.1	19.4	24.7	30.0	35.2	40.5	45.8
EMISSION RATE	17.1	26.6	31.4	35.7	39.5	43.1	46.7	50.3	54.3	58.6
THRATTLE	5.4	5.4	6.3	7.3	8.3	9.1	9.9	10.6	11.5	12.5
MANIFOLD	19.6	19.6	18.8	17.9	17.1	16.2	15.3	14.3	13.3	12.3
LOAD POINT	51.1	56.4	61.7	67.0	72.3	77.6	82.9	88.2	93.5	98.8
EMISSION RATE	63.2	68.2	73.5	78.8	83.9	88.8	93.3	97.6	101.7	106.2
THRATTLE	13.8	15.3	16.9	18.5	20.0	21.6	23.9	28.5	40.5	78.9
MANIFOLD	11.2	10.2	9.1	8.0	7.0	5.9	4.9	3.8	2.7	1.5
SPEED POINT	4000.0									
LOAD POINT	-13.4	5.5	10.5	15.4	20.3	25.3	30.2	35.2	40.1	45.1
EMISSION RATE	17.1	30.8	35.9	41.6	47.5	53.9	60.8	68.3	76.3	84.8
THRATTLE	7.2	7.2	8.2	9.3	10.3	11.3	12.1	13.0	13.9	15.0
MANIFOLD	19.2	19.2	18.4	17.5	16.6	15.7	14.8	13.9	12.9	11.9
LOAD POINT	50.0	55.0	59.9	64.9	69.8	74.7	79.7	84.6	89.6	94.5
EMISSION RATE	93.4	101.7	109.3	116.0	121.3	125.5	128.9	132.4	137.5	146.1
THRATTLE	16.3	17.8	19.4	21.2	22.9	24.8	27.5	32.6	44.6	79.0
MANIFOLD	10.9	9.9	8.9	7.8	6.8	5.7	4.7	3.8	2.8	1.9
SPEED POINT	5200.0									
LOAD POINT	-18.6	6.6	11.2	15.8	20.5	25.1	29.7	34.3	39.0	43.6
EMISSION RATE	17.1	40.9	44.7	50.0	56.6	63.9	71.7	79.6	87.3	94.9
THRATTLE	10.9	10.9	12.1	13.3	14.3	15.3	16.2	17.1	18.2	19.4
MANIFOLD	18.9	18.9	18.1	17.3	16.5	15.6	14.7	13.8	13.0	12.1
LOAD POINT	48.2	52.8	57.5	62.1	66.7	71.3	75.9	80.6	85.2	89.8
EMISSION RATE	102.4	110.0	118.1	127.0	136.8	147.5	158.4	168.1	173.5	172.9
THRATTLE	20.8	22.4	24.0	25.7	27.3	29.3	32.1	37.4	49.1	79.1
MANIFOLD	11.2	10.4	9.4	8.5	7.6	6.6	5.6	4.6	3.7	2.9
*ENGINE	Y7VDT7									
1977 VOLVO	130.0	ENGINE	RAW	HC	MAP	CATALYTIC	G/HR	CGNVERTER		
DATA	3.620	3.150	4.	900.	5200.	.0500	.7161			
SPEED POINT	900.0									
LOAD POINT	0.0	0.8	2.4	4.0	5.7	7.3	9.0	10.6	12.2	13.9
EMISSION RATE	84.3	84.3	71.2	59.3	48.4	38.5	29.8	22.2	15.6	10.1
THRATTLE	0.2	0.2	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.3

MANIFOLD	12.3	12.3	11.9	11.4	10.9	10.4	9.9	9.5	9.2	8.8
LOAD POINT	15.5	17.1	18.8	20.4	22.1	23.7	25.3	27.0	28.6	30.2
EMISSION RATE	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.6	14.9
THROTTLE	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.4
MANIFOLD	8.5	8.2	8.0	7.8	7.6	7.5	7.4	7.3	7.2	7.2
SPEED POINT 1200.0										
LOAD POINT	-1.3	1.1	5.5	9.8	14.2	18.5	22.9	27.3	31.6	36.0
EMISSION RATE	84.3	50.4	21.0	13.0	11.2	11.5	13.4	16.4	20.1	24.0
THROTTLE	1.8	1.8	2.0	2.6	3.3	3.8	4.0	4.0	3.9	4.0
MANIFOLD	13.9	13.9	12.7	11.8	11.1	10.6	10.2	9.9	9.6	9.2
LOAD POINT	40.3	44.7	49.1	53.4	57.8	62.1	66.5	70.9	75.2	79.6
EMISSION RATE	27.7	30.8	33.2	35.0	36.6	38.4	40.6	43.2	45.7	46.7
THROTTLE	4.3	4.8	5.6	6.6	7.5	8.4	9.5	12.1	21.7	78.5
MANIFOLD	8.8	8.3	7.6	6.8	5.9	4.9	3.8	2.7	1.6	0.7
SPEED POINT 1500.0										
LOAD POINT	-2.6	4.3	8.9	13.5	18.1	22.7	27.3	31.9	36.6	41.2
EMISSION RATE	84.3	31.8	17.2	12.8	11.9	12.9	15.2	18.7	23.0	27.8
THROTTLE	2.6	2.6	3.3	3.9	4.2	4.3	4.3	4.3	4.5	4.9
MANIFOLD	15.6	15.6	14.6	13.9	13.4	13.0	12.7	12.3	11.8	11.1
LOAD POINT	45.8	50.4	55.0	59.6	64.2	68.9	73.5	78.1	82.7	87.3
EMISSION RATE	32.3	36.0	38.5	39.9	40.7	41.4	43.0	46.6	54.0	66.0
THROTTLE	5.5	6.5	7.8	9.3	10.9	12.6	14.7	19.0	30.9	79.3
MANIFOLD	10.3	9.3	8.2	6.9	5.6	4.3	3.1	2.0	1.2	0.7
SPEED POINT 1800.0										
LOAD POINT	-3.9	3.1	8.1	13.2	18.2	23.2	28.2	33.3	38.3	43.3
EMISSION RATE	84.3	9.2	12.5	14.8	16.5	18.1	20.1	22.9	26.8	31.9
THROTTLE	3.5	3.5	3.8	4.1	4.4	4.6	4.9	5.3	5.9	6.6
MANIFOLD	16.4	16.4	15.8	15.4	15.1	14.7	14.2	13.6	12.7	11.8
LOAD POINT	48.3	53.4	58.4	63.4	68.4	73.5	78.5	83.5	88.5	93.6
EMISSION RATE	37.8	44.1	49.7	53.5	54.9	54.1	52.4	52.3	57.1	72.0
THROTTLE	7.5	8.6	9.8	10.9	12.1	13.3	15.2	19.5	31.7	78.8
MANIFOLD	10.7	9.5	8.3	7.1	5.9	4.8	3.8	2.8	1.8	0.8
SPEED POINT 2300.0										
LOAD POINT	-6.0	3.4	8.5	13.6	18.7	23.9	29.0	34.1	39.2	44.4
EMISSION RATE	84.3	7.4	9.6	12.6	16.5	21.3	27.0	33.4	40.2	47.2
THROTTLE	4.0	4.0	4.2	4.7	5.3	5.9	6.5	7.1	7.7	8.5
MANIFOLD	18.1	18.1	17.9	17.4	16.7	15.9	15.0	14.1	13.1	12.0
LOAD POINT	49.5	54.6	59.7	64.9	70.0	75.1	80.3	85.4	90.5	95.6
EMISSION RATE	53.7	59.6	64.7	68.8	72.0	74.8	77.5	80.5	84.7	90.0
THROTTLE	9.4	10.6	12.0	13.5	15.0	16.6	18.9	23.6	35.9	79.5
MANIFOLD	10.9	9.8	8.7	7.4	6.2	4.9	3.7	2.6	1.6	1.0
SPEED POINT 2500.0										
LOAD POINT	-6.9	5.6	11.0	16.4	21.8	27.2	32.6	38.0	43.3	48.7
EMISSION RATE	84.3	8.2	12.0	16.3	20.9	26.1	31.9	38.7	46.3	54.5
THROTTLE	4.2	4.2	4.5	5.1	6.0	6.8	7.5	8.2	8.9	9.7
MANIFOLD	18.7	18.7	18.3	17.6	16.8	15.8	14.8	13.8	12.7	11.6
LOAD POINT	54.1	59.5	64.9	70.3	75.7	81.1	86.5	91.9	97.3	102.7
EMISSION RATE	62.8	70.6	76.9	81.1	83.0	83.2	83.0	84.6	91.2	107.0
THROTTLE	10.7	11.9	13.4	15.1	16.8	18.8	21.5	26.5	38.9	79.8
MANIFOLD	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9	1.1
SPEED POINT 3400.0										
LOAD POINT	-10.8	3.5	8.8	14.1	19.4	24.7	30.0	35.2	40.5	45.8
EMISSION RATE	84.3	10.2	11.5	14.9	20.7	29.3	40.5	53.5	66.4	77.3
THROTTLE	5.4	5.4	6.3	7.3	8.3	9.1	9.9	10.6	11.5	12.5
MANIFOLD	19.6	19.6	18.8	17.9	17.1	16.2	15.3	14.3	13.3	12.3
LOAD POINT	51.1	56.4	61.7	67.0	72.3	77.6	82.9	88.2	93.5	98.8
EMISSION RATE	85.0	89.0	90.3	90.3	90.6	92.6	97.9	107.8	123.7	145.8
THROTTLE	13.8	15.3	16.9	18.5	20.0	21.6	23.9	28.5	40.5	78.9
MANIFOLD	11.2	10.2	9.1	8.0	7.0	5.9	4.9	3.8	2.7	1.5
SPEED POINT 4000.0										
LOAD POINT	-13.4	5.5	10.5	15.4	20.3	25.3	30.2	35.2	40.1	45.1

EMISSION RATE	84.3	12.1	16.1	22.5	31.7	43.3	56.6	70.1	82.1	91.2
THROTTLE	7.2	7.2	8.2	9.3	10.3	11.3	12.1	13.0	13.9	15.0
MANIFOLD	19.2	19.2	18.4	17.5	16.6	15.7	14.8	13.9	12.9	11.9
LOAD POINT	50.0	55.0	59.9	64.9	69.8	74.7	79.7	84.6	89.6	94.5
EMISSION RATE	97.0	100.1	101.5	102.7	105.1	110.0	118.4	131.7	150.3	173.1
THROTTLE	16.3	17.8	19.4	21.2	22.9	24.8	27.5	32.6	44.6	79.0
MANIFOLD	10.9	9.9	8.9	7.8	6.8	5.7	4.7	3.8	2.8	1.9
SPEED POINT	5200.0									
LOAD POINT	-18.6	6.6	11.2	15.8	20.5	25.1	29.7	34.3	39.0	43.6
EMISSION RATE	84.3	27.3	23.9	28.3	38.8	55.8	78.4	103.0	124.8	139.8
THROTTLE	10.9	10.9	12.1	13.3	14.3	15.3	16.2	17.1	18.2	19.4
MANIFOLD	18.9	18.9	18.1	17.3	16.5	15.6	14.7	13.8	13.0	12.1
LOAD POINT	48.2	52.8	57.5	62.1	66.7	71.3	75.9	80.6	85.2	89.8
EMISSION RATE	147.4	150.0	151.8	156.9	169.0	190.8	223.6	262.8	276.6	274.5
THROTTLE	20.8	22.4	24.0	25.7	27.3	29.3	32.1	37.4	49.1	79.1
MANIFOLD	11.2	10.4	9.4	8.5	7.6	6.6	5.6	4.6	3.7	2.9
*ENGINE	27VOT7		KPM		TORQUE		G/HR			
1977 VOLVO ENGINE	130.0		RAW NOX MAP		CATALYTIC CONVERTER					
DATA	3.620	3.150	4.	900.	5200.	.0500	.7161			
SPEED POINT	900.0									
LOAD POINT	0.0	0.6	2.4	4.0	5.7	7.3	9.0	10.6	12.2	13.9
EMISSION RATE	1.1	1.1	1.3	1.4	1.6	1.8	2.0	2.2	2.4	2.7
THROTTLE	0.2	0.2	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.3
MANIFOLD	12.3	12.3	11.9	11.4	10.9	10.4	9.9	9.5	9.2	8.8
LOAD POINT	15.5	17.1	18.8	20.4	22.1	23.7	25.3	27.0	28.6	30.2
EMISSION RATE	2.9	3.2	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.4
THROTTLE	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.3	3.4	3.4
MANIFOLD	8.5	8.2	8.0	7.8	7.6	7.5	7.4	7.3	7.2	7.2
SPEED POINT	1200.0									
LOAD POINT	-1.3	1.1	5.5	9.8	14.2	18.5	22.9	27.3	31.6	36.0
EMISSION RATE	1.1	2.0	2.8	3.8	4.6	5.4	6.3	7.7	9.8	13.0
THROTTLE	1.8	1.8	2.0	2.6	3.3	3.8	4.0	4.0	3.9	4.0
MANIFOLD	13.9	13.9	12.7	11.8	11.1	10.6	10.2	9.9	9.6	9.2
LOAD POINT	40.3	44.7	49.1	53.4	57.8	62.1	66.5	70.9	75.2	79.6
EMISSION RATE	17.6	23.7	30.9	38.9	47.6	58.2	73.1	94.3	117.7	118.1
THROTTLE	4.3	4.8	5.6	6.6	7.5	8.4	9.5	12.1	21.7	78.5
MANIFOLD	8.8	8.3	7.6	6.8	5.9	4.9	3.8	2.7	1.6	0.7
SPEED POINT	1500.0									
LOAD POINT	-2.6	4.3	8.9	13.5	18.1	22.7	27.3	31.9	36.6	41.2
EMISSION RATE	1.1	3.5	4.4	4.9	5.9	7.9	11.6	17.6	25.8	35.6
THROTTLE	2.6	2.6	3.3	3.9	4.2	4.3	4.3	4.3	4.5	4.9
MANIFOLD	15.6	15.6	14.6	13.9	13.4	13.0	12.7	12.3	11.8	11.1
LOAD POINT	45.8	50.4	55.0	59.6	64.2	68.9	73.5	78.1	82.7	87.3
EMISSION RATE	45.8	55.5	65.0	75.7	88.9	105.4	125.1	147.1	175.2	234.1
THROTTLE	5.5	6.5	7.8	9.3	10.9	12.6	14.7	19.0	30.9	79.3
MANIFOLD	10.3	9.3	8.2	6.9	5.6	4.3	3.1	2.0	1.2	0.7
SPEED POINT	1800.0									
LOAD POINT	-3.9	3.1	8.1	13.2	18.2	23.2	28.2	33.3	38.3	43.3
EMISSION RATE	1.1	4.6	5.2	6.6	9.0	13.0	19.5	29.8	44.9	64.8
THROTTLE	3.5	3.5	3.8	4.1	4.4	4.6	4.9	5.3	5.9	6.6
MANIFOLD	16.4	16.4	15.8	15.4	15.1	14.7	14.2	13.6	12.7	11.8
LOAD POINT	48.3	53.4	58.4	63.4	68.4	73.5	78.5	83.5	88.5	93.6
EMISSION RATE	87.3	108.3	123.9	133.6	141.1	153.1	177.6	221.8	279.3	294.1
THROTTLE	7.5	8.6	9.8	10.9	12.1	13.3	15.2	19.5	31.7	78.8
MANIFOLD	10.7	9.5	8.3	7.1	5.9	4.8	3.8	2.8	1.8	0.8
SPEED POINT	2300.0									
LOAD POINT	-6.0	3.4	8.5	13.6	18.7	23.9	29.0	34.1	39.2	44.4
EMISSION RATE	1.1	6.8	7.0	10.8	18.1	29.3	44.5	64.5	90.5	123.9
THROTTLE	4.0	4.0	4.2	4.7	5.3	5.9	6.5	7.1	7.7	8.5
MANIFOLD	18.1	18.1	17.9	17.4	16.7	15.9	15.0	14.1	13.1	12.0
LOAD POINT	49.5	54.6	59.7	64.9	70.0	75.1	80.3	85.4	90.5	95.6

EMISSION RATE	163.9	206.1	243.2	269.5	287.2	307.2	346.2	419.2	501.4	501.1
THROTTLE	9.4	10.6	12.0	13.5	15.0	16.6	18.9	23.6	35.9	79.5
MANIFOLD	10.9	9.8	8.7	7.4	6.2	4.9	3.7	2.6	1.6	1.0
SPEED POINT	2500.0									
LOAD POINT	-6.9	5.6	11.0	16.4	21.8	27.2	32.6	38.0	43.3	48.7
EMISSION RATE	1.1	7.0	10.9	17.7	28.1	43.5	64.8	93.6	130.2	173.5
THROTTLE	4.2	4.2	4.5	5.1	6.0	6.8	7.5	8.2	8.9	9.7
MANIFOLD	18.7	18.7	18.3	17.6	16.8	15.8	14.8	13.8	12.7	11.6
LOAD POINT	54.1	59.5	64.9	70.3	75.7	81.1	86.5	91.9	97.3	102.7
EMISSION RATE	219.8	263.5	299.9	328.0	352.9	384.5	434.8	511.6	598.3	609.5
THROTTLE	10.7	11.9	13.4	15.1	16.8	18.8	21.5	26.5	38.9	79.8
MANIFOLD	10.6	9.5	8.4	7.3	6.1	5.0	3.8	2.8	1.9	1.1
SPEED POINT	3400.0									
LOAD POINT	-10.8	3.5	8.8	14.1	19.4	24.7	30.0	35.2	40.5	45.8
EMISSION RATE	1.1	10.5	27.7	45.7	71.7	106.8	152.1	208.6	276.0	350.7
THROTTLE	5.4	5.4	6.3	7.3	8.3	9.1	9.9	10.6	11.5	12.5
MANIFOLD	19.6	19.6	18.8	17.9	17.1	16.2	15.3	14.3	13.3	12.3
LOAD POINT	51.1	56.4	61.7	67.0	72.3	77.6	82.9	88.2	93.5	98.8
EMISSION RATE	425.1	489.2	534.8	561.3	577.5	598.4	640.5	713.4	799.3	807.6
THROTTLE	13.8	15.3	16.9	18.5	20.0	21.6	23.9	28.5	40.5	78.9
MANIFOLD	11.2	10.2	9.1	8.0	7.0	5.9	4.9	3.8	2.7	1.5
SPEED POINT	4000.0									
LOAD POINT	-13.4	5.5	10.5	15.4	20.3	25.3	30.2	35.2	40.1	45.1
EMISSION RATE	1.1	36.6	60.7	93.1	133.8	183.4	242.5	311.5	389.0	470.3
THROTTLE	7.2	7.2	8.2	9.3	10.3	11.3	12.1	13.0	13.9	15.0
MANIFOLD	19.2	19.2	18.4	17.5	16.6	15.7	14.8	13.9	12.9	11.9
LOAD POINT	50.0	55.0	59.9	64.9	69.8	74.7	79.7	84.6	89.6	94.5
EMISSION RATE	547.6	611.9	657.1	683.5	698.9	716.6	751.4	814.0	899.8	961.9
THROTTLE	16.3	17.8	19.4	21.2	22.9	24.8	27.5	32.6	44.6	79.0
MANIFOLD	10.9	9.9	8.9	7.8	6.8	5.7	4.7	3.8	2.8	1.9
SPEED POINT	5200.0									
LOAD POINT	-18.6	6.6	11.2	15.8	20.5	25.1	29.7	34.3	39.0	43.6
EMISSION RATE	1.1	103.6	134.4	193.4	269.1	349.1	427.4	507.1	596.1	699.9
THROTTLE	10.9	10.9	12.1	13.3	14.3	15.3	16.2	17.1	18.2	19.4
MANIFOLD	18.9	18.9	18.1	17.3	16.5	15.6	14.7	13.8	13.0	12.1
LOAD POINT	48.2	52.8	57.5	62.1	66.7	71.3	75.9	80.6	85.2	89.8
EMISSION RATE	815.7	930.3	1023.0	1078.2	1098.7	1109.2	1145.9	1239.3	1376.8	1409.5
THROTTLE	20.8	22.4	24.0	25.7	27.3	29.3	32.1	37.4	49.1	79.1
MANIFOLD	11.2	10.4	9.4	8.5	7.6	6.6	5.6	4.6	3.7	2.9

E.2 1975 HONDA CVCC 90 CID (1.48 LITER), 1 BBL

*ENGINE, CVCC	F5HFB6	RPM		TORQUE				LB/HR		
1975 HONDA	ENGINE	FUEL	MAP	5500.	5000.	4500.	4000.	3500.	3000.	2500.
DATA 1 BBL	2.900	3.400	4.	800.	800.	800.	800.	800.	800.	800.
SPEED POINT	800.0									
LOAD POINT	0.0	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1
FUEL RATE	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9
LOAD POINT	4.3	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9
FUEL RATE	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.5
SPEED POINT	900.0									
LOAD POINT	-0.7	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3
FUEL RATE	1.5	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8	18.8	18.8
LOAD POINT	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.8	2.9
FUEL RATE	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.8	18.7	18.7	18.7	18.6	18.6	18.6	18.6	18.5	18.5
SPEED POINT	1000.0									
LOAD POINT	-1.3	-2.1	-2.1	1.6	5.3	9.0	12.7	16.4	20.1	23.9
FUEL RATE	0.0	1.4	1.4	1.7	2.0	2.3	2.6	2.9	3.2	3.4
THROTTLE	0.0	0.0	0.0	0.2	1.1	1.9	2.8	3.7	4.5	5.4
MANIFOLD	19.1	19.1	19.1	18.6	17.6	16.4	15.0	13.6	12.1	10.6
LOAD POINT	27.6	31.3	35.0	38.7	42.4	46.1	49.8	53.5	57.2	63.0
FUEL RATE	3.6	3.8	4.0	4.2	4.4	4.5	4.7	5.0	5.2	5.8
THROTTLE	6.3	7.3	8.3	9.5	11.1	13.3	17.0	23.6	36.0	71.0
MANIFOLD	9.2	7.8	6.5	5.2	3.9	2.8	1.7	0.8	0.2	0.0
SPEED POINT	1500.0									
LOAD POINT	-4.7	-9.1	-9.1	-5.4	-1.7	2.0	5.7	9.4	13.1	16.8
FUEL RATE	0.0	1.5	1.5	1.7	2.0	2.3	2.7	3.2	3.6	4.1
THROTTLE	0.0	0.0	0.0	0.0	1.4	2.7	4.1	5.5	6.8	8.2
MANIFOLD	22.0	22.0	22.0	21.1	19.8	18.5	17.1	15.7	14.2	12.8
LOAD POINT	20.6	24.3	28.0	31.7	35.4	39.1	42.8	46.5	50.2	63.0
FUEL RATE	4.5	5.0	5.4	5.8	6.2	6.5	6.8	7.2	7.4	8.5
THROTTLE	9.6	10.9	12.3	13.7	15.0	16.4	17.9	19.6	21.9	71.0
MANIFOLD	11.3	10.0	8.6	7.3	6.1	5.0	3.9	3.0	2.1	0.0
SPEED POINT	2000.0									
LOAD POINT	-8.1	-12.6	-12.6	-8.5	-4.4	-0.4	3.7	7.8	11.9	15.9
FUEL RATE	0.0	1.3	1.3	2.0	2.7	3.4	3.9	4.4	4.9	5.3
THROTTLE	0.0	0.0	0.0	0.1	1.9	3.7	5.5	7.3	9.1	10.9
MANIFOLD	23.0	23.0	23.0	22.0	20.4	18.7	16.9	15.3	13.8	12.6
LOAD POINT	20.0	24.1	28.2	32.3	36.3	40.4	44.5	48.6	52.6	69.3
FUEL RATE	5.6	5.9	6.2	6.5	6.8	7.1	7.5	7.9	8.4	11.8
THROTTLE	12.7	14.5	16.4	18.2	20.0	21.8	23.6	25.4	27.3	71.0
MANIFOLD	11.5	10.6	9.8	9.0	8.1	7.0	5.9	4.6	3.2	0.1
SPEED POINT	2500.0									
LOAD POINT	-11.4	-14.7	-14.7	-10.6	-6.5	-2.3	1.8	5.9	10.1	14.2
FUEL RATE	0.0	1.7	1.7	2.1	2.6	3.2	3.9	4.7	5.4	6.1
THROTTLE	0.0	0.0	0.0	0.0	1.8	4.1	6.3	8.6	10.9	13.1
MANIFOLD	22.5	22.5	22.5	20.8	19.6	18.6	17.6	16.6	15.5	14.2
LOAD POINT	18.3	22.4	26.6	30.7	34.8	39.0	43.1	47.2	51.3	70.2
FUEL RATE	6.8	7.4	8.0	8.5	9.0	9.4	9.8	10.3	10.9	15.9
THROTTLE	15.4	17.6	19.9	22.2	24.4	26.7	29.0	31.2	33.5	71.0
MANIFOLD	12.9	11.4	9.8	8.3	6.9	5.6	4.5	3.7	3.0	0.0
SPEED POINT	3000.0									
LOAD POINT	-14.8	0.0	3.5	7.0	10.6	14.1	17.6	21.1	24.6	28.2
FUEL RATE	1.5	5.5	6.2	7.1	7.7	8.3	8.8	9.3	9.7	10.1
THROTTLE	16.5	16.5	16.4	16.2	16.1	16.2	16.9	17.9	19.4	21.2

MANIFOLD	18.0	18.0	16.7	15.5	14.4	13.3	12.2	11.1	9.9	8.7
LOAD POINT	31.7	35.2	38.7	42.2	45.8	49.3	52.8	56.3	59.9	63.4
FUEL RATE	10.6	11.0	11.6	12.2	13.0	13.9	15.0	16.3	17.7	19.3
THROTTLE	23.4	25.6	27.8	29.8	31.6	33.5	36.2	40.7	49.5	68.6
MANIFOLD	7.6	6.5	5.4	4.4	3.5	2.8	2.1	1.4	0.8	0.2
SPEED POINT	3500.0									
LOAD POINT	-18.2	0.0	3.6	7.3	10.9	14.5	18.1	21.8	25.4	29.0
FUEL RATE	1.5	6.2	7.1	7.9	8.6	9.3	10.0	10.6	11.3	12.0
THROTTLE	5.9	5.9	8.5	11.1	13.7	16.3	19.0	21.6	24.2	26.8
MANIFOLD	17.5	17.5	15.8	14.6	13.6	12.7	11.8	10.8	9.7	8.5
LOAD POINT	32.6	36.3	39.9	43.5	47.1	50.8	54.4	58.0	61.6	65.3
FUEL RATE	12.7	13.5	14.3	15.1	16.1	17.1	18.3	19.5	20.9	21.6
THROTTLE	29.4	32.0	34.6	37.2	39.8	42.4	45.1	47.8	52.3	71.0
MANIFOLD	7.4	6.2	5.2	4.3	3.5	2.9	2.3	1.7	1.0	0.0
SPEED POINT	4000.0									
LOAD POINT	-21.5	0.0	3.2	6.4	9.7	12.9	16.1	19.3	22.5	25.7
FUEL RATE	1.5	7.9	8.3	8.9	9.6	10.3	11.0	11.7	12.4	13.0
THROTTLE	13.4	13.4	14.9	16.4	17.9	19.4	21.0	22.5	24.0	25.5
MANIFOLD	16.5	16.5	15.9	15.2	14.3	13.3	12.2	11.0	9.8	8.6
LOAD POINT	29.0	32.2	35.4	38.6	41.8	45.0	48.3	51.5	54.7	57.9
FUEL RATE	13.6	14.2	14.8	15.4	16.2	17.2	18.4	19.9	21.9	24.0
THROTTLE	27.0	28.6	30.1	31.6	33.1	34.6	36.2	38.0	42.5	71.0
MANIFOLD	7.5	6.4	5.4	4.6	3.9	3.3	2.8	2.1	1.3	0.0
SPEED POINT	4500.0									
LOAD POINT	-24.9	0.0	3.3	6.6	9.9	13.3	16.6	19.9	23.2	26.5
FUEL RATE	1.5	8.3	9.5	10.5	11.2	11.8	12.3	12.9	13.5	14.3
THROTTLE	16.0	16.0	17.6	18.5	19.1	19.7	20.6	22.0	23.8	26.0
MANIFOLD	16.0	16.0	14.4	13.3	12.4	11.5	10.7	9.8	8.8	7.8
LOAD POINT	29.8	33.1	36.4	39.8	43.1	46.4	49.7	53.0	56.3	59.6
FUEL RATE	15.2	16.2	17.4	18.7	20.2	21.7	23.3	24.8	26.2	27.4
THROTTLE	28.6	31.4	34.3	36.9	39.4	41.8	44.7	49.1	57.3	71.0
MANIFOLD	6.8	5.7	4.7	3.8	3.0	2.4	1.9	1.4	0.9	0.3
SPEED POINT	5000.0									
LOAD POINT	-28.2	0.0	2.8	5.5	8.3	11.0	13.8	16.6	19.3	22.1
FUEL RATE	1.5	10.9	11.1	11.5	12.2	13.0	13.9	14.9	16.0	17.1
THROTTLE	17.0	17.0	18.9	20.0	20.6	21.4	22.4	23.9	25.9	28.2
MANIFOLD	15.0	15.0	14.3	13.4	12.4	11.3	10.3	9.3	8.4	7.6
LOAD POINT	24.8	27.6	30.4	33.1	35.9	38.6	41.4	44.2	46.9	49.7
FUEL RATE	18.3	19.5	20.6	21.8	23.0	24.2	25.5	26.7	28.0	29.4
THROTTLE	30.7	33.1	35.0	36.3	36.9	37.3	38.2	41.1	48.6	67.4
MANIFOLD	7.0	6.4	5.8	5.3	4.8	4.2	3.5	2.6	1.4	0.0
SPEED POINT	5500.0									
LOAD POINT	-31.6	0.0	2.6	5.2	7.8	10.4	12.9	15.5	18.1	20.7
FUEL RATE	1.5	11.6	13.1	14.5	15.8	17.0	18.2	19.3	20.3	21.4
THROTTLE	16.0	16.0	16.2	17.3	19.2	21.7	24.5	27.4	30.2	32.5
MANIFOLD	14.0	14.0	12.1	10.8	9.9	9.2	8.7	8.2	7.8	7.3
LOAD POINT	23.3	25.9	28.5	31.1	33.7	36.2	38.8	41.4	44.0	46.6
FUEL RATE	22.4	23.4	24.4	25.4	26.3	27.1	27.9	28.5	28.9	29.1
THROTTLE	34.3	35.5	36.1	36.5	37.0	38.1	40.7	45.9	55.9	71.0
MANIFOLD	6.7	6.0	5.3	4.4	3.6	2.7	1.9	1.3	0.8	0.7
*ENGINE		C5HFB6		RPM		TORQUE		G/HR(*.1)		
1975 HONDA	90.8	ENGINE	CO MAP							
DATA	2.900	3.400	4.	800.	5500.	.1000	.7330			
SPEED POINT	800.0									
LOAD POINT	0.0	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1
EMISSION RATE	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9
LOAD POINT	4.3	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9
EMISSION RATE	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



MANIFOLD	18.0	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.5
SPEED POINT	900.0									
LOAD POINT	-0.7	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3
EMISSION RATE	2.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8	18.8	18.8
LOAD POINT	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.8	2.9
EMISSION RATE	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.8	18.7	18.7	18.7	18.6	18.6	18.6	18.6	18.5	18.5
SPEED POINT	1000.0									
LOAD POINT	-1.3	-2.1	-2.1	1.6	5.3	9.0	12.7	16.4	20.1	23.9
EMISSION RATE	0.0	1.9	1.9	2.1	2.3	2.6	3.0	3.4	3.8	4.0
THROTTLE	0.0	0.0	0.0	0.2	1.1	1.9	2.8	3.7	4.5	5.4
MANIFOLD	19.1	19.1	19.1	18.6	17.6	16.4	15.0	13.6	12.1	10.6
LOAD POINT	27.6	31.3	35.0	38.7	42.4	46.1	49.8	53.5	57.2	63.0
EMISSION RATE	4.2	4.1	4.0	3.7	3.6	3.6	4.0	5.3	9.0	37.5
THROTTLE	6.3	7.3	8.3	9.5	11.1	13.3	17.0	23.6	36.0	71.0
MANIFOLD	9.2	7.8	6.5	5.2	3.9	2.8	1.7	0.8	0.2	0.0
SPEED POINT	1500.0									
LOAD POINT	-4.7	-9.1	-9.1	-5.4	-1.7	2.0	5.7	9.4	13.1	16.8
EMISSION RATE	0.0	5.4	5.4	4.2	3.7	3.7	4.0	4.5	5.3	6.3
THROTTLE	0.0	0.0	0.0	0.0	1.4	2.7	4.1	5.5	6.8	8.2
MANIFOLD	22.0	22.0	22.0	21.1	19.8	18.5	17.1	15.7	14.2	12.8
LOAD POINT	20.6	24.3	28.0	31.7	35.4	39.1	42.8	46.5	50.2	63.0
EMISSION RATE	7.3	8.0	8.3	8.1	7.4	6.6	5.8	5.4	5.8	89.1
THROTTLE	9.6	10.9	12.3	13.7	15.0	16.4	17.9	19.6	21.9	71.0
MANIFOLD	11.3	10.0	8.6	7.3	6.1	5.0	3.9	3.0	2.1	0.0
SPEED POINT	2000.0									
LOAD POINT	-8.1	-12.6	-12.6	-8.5	-4.4	-0.4	3.7	7.8	11.9	15.9
EMISSION RATE	0.0	6.4	6.4	7.4	7.0	6.0	5.0	4.4	4.0	4.0
THROTTLE	0.0	0.0	0.0	0.1	1.9	3.7	5.5	7.3	9.1	10.9
MANIFOLD	23.0	23.0	23.0	22.0	20.4	18.7	16.9	15.3	13.8	12.6
LOAD POINT	20.0	24.1	28.2	32.3	36.3	40.4	44.5	48.6	52.6	69.3
EMISSION RATE	4.2	4.6	5.2	6.0	6.8	7.4	7.9	8.2	8.5	45.8
THROTTLE	12.7	14.5	16.4	18.2	20.0	21.8	23.6	25.4	27.3	71.0
MANIFOLD	11.5	10.6	9.8	9.0	8.1	7.0	5.9	4.6	3.2	0.1
SPEED POINT	2500.0									
LOAD POINT	-11.4	-14.7	-14.7	-10.6	-6.5	-2.3	1.8	5.9	10.1	14.2
EMISSION RATE	0.0	8.5	8.5	3.6	2.2	1.9	1.9	2.2	2.7	3.4
THROTTLE	0.0	0.0	0.0	0.0	1.8	4.1	6.3	8.6	10.9	13.1
MANIFOLD	22.5	22.5	22.5	20.8	19.6	18.6	17.6	16.6	15.5	14.2
LOAD POINT	18.3	22.4	26.6	30.7	34.8	39.0	43.1	47.2	51.3	70.2
EMISSION RATE	4.2	5.0	5.5	5.8	5.8	5.7	5.6	5.9	7.0	410.8
THROTTLE	15.4	17.6	19.9	22.2	24.4	26.7	29.0	31.2	33.5	71.0
MANIFOLD	12.9	11.4	9.8	8.3	6.9	5.6	4.5	3.7	3.0	0.0
SPEED POINT	3000.0									
LOAD POINT	-14.8	0.0	3.5	7.0	10.6	14.1	17.6	21.1	24.6	28.2
EMISSION RATE	2.2	2.2	2.2	2.2	2.2	2.6	3.4	3.9	4.2	4.0
THROTTLE	16.5	16.5	16.4	16.2	16.1	16.2	16.9	17.9	19.4	21.2
MANIFOLD	18.0	18.0	16.7	15.5	14.4	13.3	12.2	11.1	9.9	8.7
LOAD POINT	31.7	35.2	38.7	42.2	45.8	49.3	52.8	56.3	59.9	63.4
EMISSION RATE	3.7	3.6	3.7	4.5	6.6	12.2	27.6	73.1	202.2	398.3
THROTTLE	23.4	25.6	27.8	29.8	31.6	33.5	36.2	40.7	49.5	68.6
MANIFOLD	7.6	6.5	5.4	4.4	3.5	2.8	2.1	1.4	0.8	0.2
SPEED POINT	3500.0									
LOAD POINT	-18.2	0.0	3.6	7.3	10.9	14.5	18.1	21.8	25.4	29.0
EMISSION RATE	2.2	1.4	1.2	1.2	1.6	2.3	3.0	3.4	3.5	3.4
THROTTLE	5.9	5.9	8.5	11.1	13.7	16.3	19.0	21.6	24.2	26.8
MANIFOLD	17.5	17.5	15.8	14.6	13.6	12.7	11.8	10.8	9.7	8.5
LOAD POINT	32.6	36.3	39.9	43.5	47.1	50.8	54.4	58.0	61.6	65.3

EMISSION RATE	3.4	3.7	5.0	8.4	18.1	47.8	136.4	341.3	545.0	358.7
THROTTLE	29.4	32.0	34.6	37.2	39.8	42.4	45.1	47.8	52.3	71.0
MANIFOLD	7.4	6.2	5.2	4.3	3.5	2.9	2.3	1.7	1.0	0.0
SPEED POINT 4000.0										
LOAD POINT	-21.5	0.0	3.2	6.4	9.7	12.9	16.1	19.3	22.5	25.7
EMISSION RATE	2.2	1.0	1.0	1.0	1.3	2.2	3.3	3.8	3.6	3.0
THROTTLE	13.4	13.4	14.9	16.4	17.9	19.4	21.0	22.5	24.0	25.5
MANIFOLD	16.5	16.5	15.9	15.2	14.3	13.3	12.2	11.0	9.8	8.6
LOAD POINT	29.0	32.2	35.4	38.6	41.8	45.0	48.3	51.5	54.7	57.9
EMISSION RATE	2.6	2.6	3.5	6.5	17.5	61.5	230.3	451.5	451.5	203.0
THROTTLE	27.0	28.6	30.1	31.6	33.1	34.6	36.2	38.0	42.5	71.0
MANIFOLD	7.5	6.4	5.4	4.6	3.9	3.3	2.8	2.1	1.3	0.0
SPEED POINT 4500.0										
LOAD POINT	-24.9	0.0	3.3	6.6	9.9	13.3	16.6	19.9	23.2	26.5
EMISSION RATE	2.2	0.9	2.9	3.4	2.5	1.7	1.4	1.4	2.1	4.2
THROTTLE	16.0	16.0	17.6	18.5	19.1	19.7	20.6	22.0	23.8	26.0
MANIFOLD	16.0	16.0	14.4	13.3	12.4	11.5	10.7	9.8	8.8	7.8
LOAD POINT	29.8	33.1	36.4	39.8	43.1	46.4	49.7	53.0	56.3	59.6
EMISSION RATE	10.5	28.9	77.8	181.5	334.0	460.9	484.2	427.4	388.0	501.5
THROTTLE	28.6	31.4	34.3	36.9	39.4	41.8	44.7	49.1	57.3	71.0
MANIFOLD	6.8	5.7	4.7	3.8	3.0	2.4	1.9	1.4	0.9	0.3
SPEED POINT 5000.0										
LOAD POINT	-28.2	0.0	2.8	5.5	8.3	11.0	13.8	16.6	19.3	22.1
EMISSION RATE	2.2	1.2	4.8	5.3	3.1	1.7	1.2	1.2	1.4	3.0
THROTTLE	17.0	17.0	18.9	20.0	20.6	21.4	22.4	23.9	25.9	28.2
MANIFOLD	15.0	15.0	14.3	13.4	12.4	11.3	10.3	9.3	8.4	7.6
LOAD POINT	24.8	27.6	30.4	33.1	35.9	38.6	41.4	44.2	46.9	49.7
EMISSION RATE	8.5	27.4	85.9	225.1	437.9	596.2	583.6	471.6	414.1	611.6
THROTTLE	30.7	33.1	35.0	36.3	36.9	37.3	38.2	41.1	48.6	67.4
MANIFOLD	7.0	6.4	5.8	5.3	4.8	4.2	3.5	2.6	1.4	0.0
SPEED POINT 5500.0										
LOAD POINT	-31.6	0.0	2.6	5.2	7.8	10.4	12.9	15.5	18.1	20.7
EMISSION RATE	2.2	1.0	0.9	1.1	1.7	3.2	6.4	13.5	27.8	54.5
THROTTLE	16.0	16.0	16.2	17.3	19.2	21.7	24.5	27.4	30.2	32.5
MANIFOLD	14.0	14.0	12.1	10.8	9.9	9.2	8.7	8.2	7.8	7.3
LOAD POINT	23.3	25.9	28.5	31.1	33.7	36.2	38.8	41.4	44.0	46.6
EMISSION RATE	98.8	163.3	244.9	334.3	420.4	496.2	563.7	635.9	738.4	885.1
THROTTLE	34.3	35.5	36.1	36.5	37.0	38.1	40.7	45.9	55.9	71.0
MANIFOLD	6.7	6.0	5.3	4.4	3.6	2.7	1.9	1.3	0.8	0.7
*ENGINE		H5HFB6		RPM		TORQUE		G/HR		
1975 HONDA	90.8	ENGINE	HC MAP							
DATA	2.900	3.400	4.	800.	5500.	.1000	.7330			
SPEED POINT 800.0										
LOAD POINT	0.0	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1
EMISSION RATE	8.6	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.4	7.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9
LOAD POINT	4.3	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9
EMISSION RATE	7.0	6.8	6.6	6.5	6.3	6.1	5.9	5.8	5.6	5.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.5
SPEED POINT 900.0										
LOAD POINT	-0.7	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3
EMISSION RATE	8.6	5.6	5.9	6.2	6.4	6.7	7.0	7.3	7.5	7.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8	18.8	18.8
LOAD POINT	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.8	2.9
EMISSION RATE	8.1	8.4	8.7	8.9	9.2	9.5	9.8	10.0	10.3	10.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.8	18.7	18.7	18.7	18.6	18.6	18.6	18.6	18.5	18.5
SPEED POINT 1000.0										

LOAD POINT	-1.3	-2.1	-2.1	1.6	5.3	9.0	12.7	16.4	20.1	23.9
EMISSION RATE	0.0	12.6	12.6	9.7	8.9	9.0	9.6	10.3	10.9	11.3
THROTTLE	0.0	0.0	0.0	0.2	1.1	1.9	2.8	3.7	4.5	5.4
MANIFOLD	19.1	19.1	19.1	18.6	17.6	16.4	15.0	13.6	12.1	10.6
LOAD POINT	27.6	31.3	35.0	38.7	42.4	46.1	49.8	53.5	57.2	63.0
EMISSION RATE	11.8	12.3	13.0	14.4	16.6	20.0	25.2	32.3	40.3	45.4
THROTTLE	6.3	7.3	8.3	9.5	11.1	13.3	17.0	23.6	36.0	71.0
MANIFOLD	9.2	7.8	6.5	5.2	3.9	2.8	1.7	0.8	0.2	0.0
SPEED POINT 1500.0										
LOAD POINT	-4.7	-9.1	-9.1	-5.4	-1.7	2.0	5.7	9.4	13.1	16.8
EMISSION RATE	0.0	170.2	170.2	43.2	17.9	10.4	7.5	6.3	5.7	5.4
THROTTLE	0.0	0.0	0.0	0.0	1.4	2.7	4.1	5.5	6.8	8.2
MANIFOLD	22.0	22.0	22.0	21.1	19.8	18.5	17.1	15.7	14.2	12.8
LOAD POINT	20.6	24.3	28.0	31.7	35.4	39.1	42.8	46.5	50.2	63.0
EMISSION RATE	5.2	5.0	5.0	5.1	5.5	6.4	7.9	10.7	15.6	65.3
THROTTLE	9.6	10.9	12.3	13.7	15.0	16.4	17.9	19.6	21.9	71.0
MANIFOLD	11.3	10.0	8.6	7.3	6.1	5.0	3.9	3.0	2.1	0.0
SPEED POINT 2000.0										
LOAD POINT	-8.1	-12.6	-12.6	-8.5	-4.4	-0.4	3.7	7.8	11.9	15.9
EMISSION RATE	0.0	191.5	191.5	32.0	9.0	3.8	2.1	1.5	1.2	1.1
THROTTLE	0.0	0.0	0.0	0.1	1.9	3.7	5.5	7.3	9.1	10.9
MANIFOLD	23.0	23.0	23.0	22.0	20.4	18.7	16.9	15.3	13.8	12.6
LOAD POINT	20.0	24.1	28.2	32.3	36.3	40.4	44.5	48.6	52.6	69.3
EMISSION RATE	1.1	1.1	1.3	1.6	2.1	3.0	4.6	7.5	13.1	87.4
THROTTLE	12.7	14.5	16.4	18.2	20.0	21.8	23.6	25.4	27.3	71.0
MANIFOLD	11.5	10.6	9.8	9.0	8.1	7.0	5.9	4.6	3.2	0.1
SPEED POINT 2500.0										
LOAD POINT	-11.4	-14.7	-14.7	-10.6	-6.5	-2.3	1.8	5.9	10.1	14.2
EMISSION RATE	0.0	281.5	281.5	18.1	3.3	1.2	0.7	0.6	0.6	0.6
THROTTLE	0.0	0.0	0.0	0.0	1.8	4.1	6.3	8.6	10.9	13.1
MANIFOLD	22.5	22.5	22.5	20.8	19.6	18.6	17.6	16.6	15.5	14.2
LOAD POINT	18.3	22.4	26.6	30.7	34.8	39.0	43.1	47.2	51.3	70.2
EMISSION RATE	0.6	0.7	0.8	0.9	1.1	1.5	2.4	4.3	8.5	67.9
THROTTLE	15.4	17.6	19.9	22.2	24.4	26.7	29.0	31.2	33.5	71.0
MANIFOLD	12.9	11.4	9.8	8.3	6.9	5.6	4.5	3.7	3.0	0.0
SPEED POINT 3000.0										
LOAD POINT	-14.8	0.0	3.5	7.0	10.6	14.1	17.6	21.1	24.6	28.2
EMISSION RATE	8.6	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.6
THROTTLE	16.5	16.5	16.4	16.2	16.1	16.2	16.9	17.9	19.4	21.2
MANIFOLD	18.0	18.0	16.7	15.5	14.4	13.3	12.2	11.1	9.9	8.7
LOAD POINT	31.7	35.2	38.7	42.2	45.8	49.3	52.8	56.3	59.9	63.4
EMISSION RATE	0.6	0.6	0.7	0.9	1.4	2.6	5.7	14.9	44.0	100.3
THROTTLE	23.4	25.6	27.8	29.8	31.6	33.5	36.2	40.7	49.5	68.6
MANIFOLD	7.6	6.5	5.4	4.4	3.5	2.8	2.1	1.4	0.8	0.2
SPEED POINT 3500.0										
LOAD POINT	-18.2	0.0	3.6	7.3	10.9	14.5	18.1	21.8	25.4	29.0
EMISSION RATE	3.6	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.6	0.7
THROTTLE	5.9	5.9	8.5	11.1	13.7	16.3	19.0	21.6	24.2	26.8
MANIFOLD	17.5	17.5	15.8	14.6	13.6	12.7	11.8	10.8	9.7	8.5
LOAD POINT	32.6	36.3	39.9	43.5	47.1	50.8	54.4	58.0	61.6	65.3
EMISSION RATE	0.9	1.3	2.3	4.7	11.0	26.8	61.3	112.3	117.5	77.8
THROTTLE	29.4	32.0	34.6	37.2	39.8	42.4	45.1	47.8	52.3	71.0
MANIFOLD	7.4	6.2	5.2	4.3	3.5	2.9	2.3	1.7	1.0	0.0
SPEED POINT 4000.0										
LOAD POINT	-21.5	0.0	3.2	6.4	9.7	12.9	16.1	19.3	22.5	25.7
EMISSION RATE	8.6	0.1	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.6
THROTTLE	13.4	13.4	14.9	16.4	17.9	19.4	21.0	22.5	24.0	25.5
MANIFOLD	16.5	16.5	15.9	15.2	14.3	13.3	12.2	11.0	9.8	8.6
LOAD POINT	29.0	32.2	35.4	38.6	41.8	45.0	48.3	51.5	54.7	57.9
EMISSION RATE	0.6	0.6	0.9	1.6	4.1	13.2	45.8	99.5	99.5	64.4
THROTTLE	27.0	28.6	30.1	31.6	33.1	34.6	36.2	38.0	42.5	71.0

MANIFOLD	7.5	6.4	5.4	4.6	3.9	3.3	2.8	2.1	1.3	0.0
SPEED POINT 4500.0										
LOAD POINT	-24.9	0.0	3.3	6.6	9.9	13.3	16.6	19.9	23.2	26.5
EMISSION RATE	8.6	0.3	0.5	0.5	0.5	0.5	0.5	0.7	1.1	2.0
THROTTLE	16.0	16.0	17.6	18.5	19.1	19.7	20.6	22.0	23.8	26.0
MANIFOLD	16.0	16.0	14.4	13.3	12.4	11.5	10.7	9.8	8.8	7.8
LOAD POINT	29.8	33.1	36.4	39.8	43.1	46.4	49.7	53.0	56.3	59.6
EMISSION RATE	4.1	9.0	18.9	35.6	57.5	77.3	87.8	89.7	93.4	120.1
THROTTLE	28.6	31.4	34.3	36.9	39.4	41.8	44.7	49.1	57.3	71.0
MANIFOLD	6.8	5.7	4.7	3.8	3.0	2.4	1.9	1.4	0.9	0.3
SPEED POINT 5000.0										
LOAD POINT	-28.2	0.0	2.8	5.5	8.3	11.0	13.8	16.6	19.3	22.1
EMISSION RATE	8.6	0.2	1.0	1.2	0.7	0.4	0.2	0.2	0.3	0.7
THROTTLE	17.0	17.0	18.9	20.0	20.6	21.4	22.4	23.9	25.9	28.2
MANIFOLD	15.0	15.0	14.3	13.4	12.4	11.3	10.3	9.3	8.4	7.6
LOAD POINT	24.8	27.6	30.4	33.1	35.9	38.6	41.4	44.2	46.9	49.7
EMISSION RATE	2.2	7.8	25.4	66.5	111.4	111.4	111.4	88.5	71.9	111.4
THROTTLE	30.7	33.1	35.0	36.3	36.9	37.3	38.2	41.1	48.6	67.4
MANIFOLD	7.0	6.4	5.8	5.3	4.8	4.2	3.5	2.6	1.4	0.0
SPEED POINT 5500.0										
LOAD POINT	-31.6	0.0	2.6	5.2	7.8	10.4	12.9	15.5	18.1	20.7
EMISSION RATE	8.6	0.3	1.0	1.4	1.5	1.4	1.5	2.0	3.3	6.6
THROTTLE	16.0	16.0	16.2	17.3	19.2	21.7	24.5	27.4	30.2	32.5
MANIFOLD	14.0	14.0	12.1	10.8	9.9	9.2	8.7	8.2	7.8	7.3
LOAD POINT	23.3	25.9	28.5	31.1	33.7	36.2	38.8	41.4	44.0	46.6
EMISSION RATE	14.4	32.1	64.9	109.6	127.7	127.7	127.0	100.3	93.3	127.7
THROTTLE	34.3	35.5	36.1	36.5	37.0	38.1	40.7	45.9	55.9	71.0
MANIFOLD	6.7	6.0	5.3	4.4	3.6	2.7	1.9	1.3	0.8	0.7
*ENGINE		N5HF86		RPM		TORQUE		G/HR		
1975 HONDA	50.8	ENGINE	NOX	MAP						
DATA	2.900	3.400	4.	800.	5500.	1000	7330			
SPEED POINT 800.0										
LOAD POINT	0.0	2.6	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1
EMISSION RATE	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9
LOAD PCINT	4.3	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9
EMISSION RATE	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.9	0.8	0.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.0	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.5
SPEED POINT 900.0										
LOAD POINT	-0.7	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3
EMISSION RATE	2.1	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8	18.8	18.8
LOAD PCINT	1.5	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.8	2.9
EMISSION RATE	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	18.8	18.7	18.7	18.7	18.6	18.6	18.6	18.6	18.5	18.5
SPEED POINT 1000.0										
LOAD POINT	-1.3	-2.1	-2.1	1.6	5.3	9.0	12.7	16.4	20.1	23.9
EMISSION RATE	0.0	0.9	0.9	1.3	2.0	3.0	4.2	5.7	7.6	10.1
THROTTLE	0.0	0.0	0.0	0.2	1.1	1.9	2.8	3.7	4.5	5.4
MANIFOLD	19.1	19.1	19.1	18.6	17.6	16.4	15.0	13.6	12.1	10.6
LOAD POINT	27.6	31.3	35.0	38.7	42.4	46.1	49.8	53.5	57.2	63.0
EMISSION RATE	13.6	18.2	24.2	31.8	41.4	53.9	71.6	96.5	125.2	113.4
THROTTLE	6.3	7.3	8.3	9.5	11.1	13.3	17.0	23.6	36.0	71.0
MANIFOLD	9.2	7.8	6.5	5.2	3.9	2.8	1.7	0.8	0.2	0.0
SPEED POINT 1500.0										
LOAD POINT	-4.7	-9.1	-9.1	-5.4	-1.7	2.0	5.7	9.4	13.1	16.8
EMISSION RATE	0.0	0.3	0.3	0.7	1.2	1.7	2.7	4.6	7.6	11.9

THROTTLE	0.0	0.0	0.0	0.0	1.4	2.7	4.1	5.5	6.8	8.2
MANIFGLD	22.0	22.0	22.0	21.1	19.8	18.5	17.1	15.7	14.2	12.8
LOAD POINT	20.6	24.3	28.0	31.7	35.4	39.1	42.8	46.5	50.2	63.0
EMISSION RATE	17.0	21.8	26.3	31.3	38.7	52.0	75.7	114.7	166.4	126.9
THROTTLE	9.6	10.9	12.3	13.7	15.0	16.4	17.9	19.6	21.9	71.0
MANIFOLD	11.3	10.0	8.6	7.3	6.1	5.0	3.9	3.0	2.1	0.0
SPEED POINT 2000.0										
LOAD POINT	-8.1	-12.6	-12.6	-8.5	-4.4	-0.4	3.7	7.8	11.9	15.9
EMISSION RATE	0.0	0.3	0.3	0.4	0.9	2.2	5.2	10.2	16.6	23.1
THROTTLE	0.0	0.0	0.0	0.1	1.9	3.7	5.5	7.3	9.1	10.9
MANIFOLD	23.0	23.0	23.0	22.0	20.4	18.7	16.9	15.3	13.8	12.6
LOAD POINT	20.0	24.1	28.2	32.3	36.3	40.4	44.5	48.6	52.6	69.3
EMISSION RATE	28.6	33.6	39.3	47.4	60.0	80.1	110.9	155.4	212.8	236.6
THROTTLE	12.7	14.5	16.4	18.2	20.0	21.8	23.6	25.4	27.3	71.0
MANIFOLD	11.5	10.6	9.8	9.0	8.1	7.0	5.9	4.6	3.2	0.1
SPEED POINT 2500.0										
LOAD POINT	-11.4	-14.7	-14.7	-10.6	-6.5	-2.3	1.8	5.9	10.1	14.2
EMISSION RATE	0.0	0.3	0.3	1.1	2.2	3.4	5.0	7.5	11.9	19.1
THROTTLE	0.0	0.0	0.0	0.0	1.8	4.1	6.3	8.6	10.9	13.1
MANIFOLD	22.5	22.5	22.5	20.8	19.6	18.6	17.6	16.6	15.5	14.2
LOAD POINT	18.3	22.4	26.6	30.7	34.8	39.0	43.1	47.2	51.3	70.2
EMISSION RATE	30.1	45.3	63.8	84.5	106.8	132.5	165.9	213.2	280.6	150.8
THROTTLE	15.4	17.6	19.9	22.2	24.4	26.7	29.0	31.2	33.5	71.0
MANIFOLD	12.9	11.4	9.8	8.3	6.9	5.6	4.5	3.7	3.0	0.0
SPEED POINT 3000.0										
LOAD POINT	-14.8	0.0	3.5	7.0	10.6	14.1	17.6	21.1	24.6	28.2
EMISSION RATE	2.1	7.2	7.2	7.5	21.6	53.3	92.5	113.8	112.2	103.9
THROTTLE	16.5	16.5	16.4	16.2	16.1	16.2	16.9	17.9	19.4	21.2
MANIFOLD	18.0	18.0	16.7	15.5	14.4	13.3	12.2	11.1	9.9	8.7
LOAD POINT	31.7	35.2	38.7	42.2	45.8	49.3	52.8	56.3	59.9	63.4
EMISSION RATE	103.9	121.8	168.7	258.0	384.5	484.2	464.4	342.9	242.8	283.4
THROTTLE	23.4	25.6	27.8	29.8	31.6	33.5	36.2	40.7	49.5	68.6
MANIFOLD	7.6	6.5	5.4	4.4	3.5	2.8	2.1	1.4	0.8	0.2
SPEED POINT 3500.0										
LOAD POINT	-18.2	0.0	3.6	7.3	10.9	14.5	18.1	21.8	25.4	29.0
EMISSION RATE	2.1	10.8	10.6	10.6	23.3	53.5	91.1	115.9	123.1	125.3
THROTTLE	5.9	5.9	8.5	11.1	13.7	16.3	19.0	21.6	24.2	26.8
MANIFOLD	17.5	17.5	15.8	14.6	13.6	12.7	11.8	10.8	9.7	8.5
LOAD POINT	32.6	36.3	39.9	43.5	47.1	50.8	54.4	58.0	61.6	65.3
EMISSION RATE	137.2	171.4	240.6	350.5	468.0	497.4	418.0	286.4	226.8	416.6
THROTTLE	29.4	32.0	34.6	37.2	39.8	42.4	45.1	47.8	52.3	71.0
MANIFOLD	7.4	6.2	5.2	4.3	3.5	2.9	2.3	1.7	1.0	0.0
SPEED POINT 4000.0										
LOAD POINT	-21.5	0.0	3.2	6.4	9.7	12.9	16.1	19.3	22.5	25.7
EMISSION RATE	2.1	15.6	25.3	34.8	45.0	58.2	77.0	104.7	144.2	195.4
THROTTLE	13.4	13.4	14.9	16.4	17.9	19.4	21.0	22.5	24.0	25.5
MANIFOLD	16.5	16.5	15.9	15.2	14.3	13.3	12.2	11.0	9.8	8.6
LOAD POINT	29.0	32.2	35.4	38.6	41.8	45.0	48.3	51.5	54.7	57.9
EMISSION RATE	252.3	301.1	324.5	313.6	275.4	229.4	195.7	192.6	258.3	542.1
THROTTLE	27.0	28.6	30.1	31.6	33.1	34.6	36.2	38.0	42.5	71.0
MANIFOLD	7.5	6.4	5.4	4.6	3.9	3.3	2.8	2.1	1.3	0.0
SPEED POINT 4500.0										
LOAD POINT	-24.9	0.0	3.3	6.6	9.9	13.3	16.6	19.9	23.2	26.5
EMISSION RATE	2.1	17.5	21.3	37.0	58.9	78.3	92.4	106.4	127.8	161.4
THROTTLE	16.0	16.0	17.6	18.5	19.1	19.7	20.6	22.0	23.8	26.0
MANIFOLD	16.0	16.0	14.4	13.3	12.4	11.5	10.7	9.8	8.8	7.8
LOAD POINT	29.8	33.1	36.4	39.8	43.1	46.4	49.7	53.0	56.3	59.6
EMISSION RATE	206.1	249.8	272.6	265.6	243.5	233.8	264.6	367.4	438.7	391.1
THROTTLE	28.6	31.4	34.3	36.9	39.4	41.8	44.7	49.1	57.3	71.0
MANIFOLD	6.8	5.7	4.7	3.8	3.0	2.4	1.9	1.4	0.9	0.3
SPEED POINT 5000.0										

LOAD POINT	-28.2	0.0	2.8	5.5	8.3	11.0	13.8	16.6	19.3	22.1
EMISSION RATE	2.1	31.3	36.5	47.6	65.6	91.3	124.1	161.2	197.7	228.0
THROTTLE	17.0	17.0	18.9	20.0	20.6	21.4	22.4	23.9	25.9	28.2
MANIFOLD	15.0	15.0	14.3	13.4	12.4	11.3	10.3	9.3	8.4	7.6
LOAD POINT	24.8	27.6	30.4	33.1	35.9	38.6	41.4	44.2	46.9	49.7
EMISSION RATE	248.2	257.4	257.7	253.2	248.7	248.7	257.6	280.5	324.5	401.3
THROTTLE	30.7	33.1	35.0	36.3	36.9	37.3	38.2	41.1	48.6	67.4
MANIFOLD	7.0	6.4	5.8	5.3	4.8	4.2	3.5	2.6	1.4	0.0
SPEED POINT	5500.0									
LOAD POINT	-31.6	0.0	2.6	5.2	7.8	10.4	12.9	15.5	18.1	20.7
EMISSION RATE	2.1	37.8	35.4	35.4	68.0	125.5	179.7	205.1	204.7	197.9
THROTTLE	16.0	16.0	16.2	17.3	19.2	21.7	24.5	27.4	30.2	32.5
MANIFOLD	14.0	14.0	12.1	10.8	9.9	9.2	8.7	8.2	7.8	7.3
LOAD POINT	23.3	25.9	28.5	31.1	33.7	36.2	38.8	41.4	44.0	46.6
EMISSION RATE	199.8	216.9	249.8	290.9	313.4	313.4	278.1	219.1	171.1	155.1
THROTTLE	34.3	35.5	36.1	36.5	37.0	38.1	40.7	45.9	55.9	71.0
MANIFOLD	6.7	6.0	5.3	4.4	3.6	2.7	1.9	1.3	0.8	0.7

E.3 1975 MAZDA ROTARY 70 CID (1.15 LITER), 4 BBL

*ENGINE	F5MDC6		RPM		TORQUE		LB/HR				
1975 MAZCA	70.0	ENGINE	FUEL	MAP	6000.	.0400	.7126				
DATA 4 BBL	0.000	0.000	ROTARY	700.	6000.	.0400	.7126				
SPEED POINT	700.0										
LCAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6	
FUEL RATE	3.5	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.4	4.5	
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	
MANIFOLD	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8	
FUEL RATE	4.6	4.7	4.7	4.8	4.8	4.9	4.9	4.9	4.9	4.9	
THROTTLE	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	
MANIFOLD	15.0	15.0	14.9	14.8	14.7	14.6	14.5	14.3	14.2	14.0	
SPEED POINT	750.0										
LOAD POINT	-0.9	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6	
FUEL RATE	3.5	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.1	5.1	
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	
MANIFOLD	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.2	14.1	14.1	
LCAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8	
FUEL RATE	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	
THROTTLE	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5	
MANIFOLD	14.0	14.0	13.9	13.9	13.8	13.7	13.7	13.6	13.6	13.5	
SPEED POINT	800.0										
LOAD POINT	-1.8	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7	
FUEL RATE	3.5	3.6	3.6	3.7	3.7	3.7	3.8	3.9	4.0	4.1	
THROTTLE	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	
MANIFOLD	14.5	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	
LCAD POINT	7.5	8.3	9.2	10.0	10.8	11.7	12.5	13.3	14.2	15.0	
FUEL RATE	4.2	4.3	4.4	4.6	4.7	4.9	5.1	5.3	5.5	5.7	
THROTTLE	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5	
MANIFOLD	13.6	13.5	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5	
SPEED POINT	1000.0										
LOAD POINT	-5.4	-11.0	-11.0	-6.2	-1.3	3.6	8.4	13.3	18.1	23.0	
FUEL RATE	0.0	3.5	3.5	4.2	4.6	4.9	5.1	5.3	5.4	5.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.5	16.5	16.5	15.5	14.5	13.7	13.1	12.5	12.1	11.8	
LCAD POINT	27.8	32.7	37.6	42.4	47.3	52.1	57.0	61.8	66.7	82.6	
FUEL RATE	5.6	5.9	6.1	6.5	7.0	7.5	8.1	8.8	9.4	11.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	11.4	11.0	10.6	10.0	9.3	8.4	7.4	6.1	4.8	0.4	
SPEED POINT	1500.0										
LOAD POINT	-14.3	-17.7	-17.7	-12.2	-6.8	-1.3	4.2	9.7	15.1	20.6	
FUEL RATE	0.0	3.6	3.6	4.5	5.4	6.0	6.6	7.1	7.5	7.9	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	19.5	19.5	19.5	17.8	16.6	15.9	15.5	15.2	14.9	14.5	
LOAD POINT	26.1	31.5	37.0	42.5	48.0	53.4	58.9	64.4	69.8	93.0	
FUEL RATE	8.3	8.8	9.3	9.9	10.5	11.2	11.9	12.7	13.5	16.5	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	14.0	13.3	12.5	11.5	10.4	9.3	8.1	6.9	5.8	0.4	
SPEED POINT	2000.0										
LOAD POINT	-23.2	-20.5	-20.5	-14.7	-8.9	-3.1	2.7	8.5	14.2	20.0	
FUEL RATE	0.0	3.5	3.5	5.1	6.5	7.7	8.6	9.5	10.2	10.8	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	20.5	20.5	20.5	19.2	18.3	17.7	17.2	16.8	16.4	15.8	
LOAD POINT	25.8	31.6	37.4	43.2	48.9	54.7	60.5	66.3	72.1	98.3	
FUEL RATE	11.5	12.1	12.7	13.4	14.2	15.0	15.9	17.0	18.1	24.0	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	15.1	14.3	13.4	12.4	11.4	10.4	9.4	8.4	7.4	0.5	
SPEED POINT	2500.0										
LOAD POINT	-32.1	0.0	5.2	10.4	15.5	20.7	25.9	31.1	36.3	41.4	
FUEL RATE	3.5	3.6	8.5	8.5	8.9	9.6	10.5	11.4	12.3	13.1	
THROTTLE	7.9	7.9	7.9	8.0	8.8	9.9	11.2	12.6	14.2	15.9	

MANIFOLD	18.0	18.0	18.0	17.8	17.2	16.4	15.5	14.5	13.5	12.6
LOAD POINT	46.6	51.8	57.0	62.2	67.4	72.5	77.7	82.9	88.1	93.3
FUEL RATE	13.9	14.6	15.3	15.9	16.7	17.5	18.5	20.0	21.8	24.3
THROTTLE	17.8	19.8	21.9	23.9	25.6	26.9	28.1	29.5	32.4	39.5
MANIFOLD	11.7	10.9	10.1	9.4	8.7	8.0	7.3	6.5	5.6	4.5
SPEED POINT 3000.0										
LOAD POINT	-41.1	0.0	6.0	11.9	17.9	23.8	29.8	35.7	41.7	47.6
FUEL RATE	3.5	11.1	11.0	11.5	12.3	13.3	14.5	15.8	17.2	18.5
THROTTLE	10.2	10.2	10.5	11.3	12.4	13.9	15.5	17.4	19.6	22.1
MANIFOLD	17.9	17.9	18.0	17.8	17.0	15.9	14.7	13.5	12.4	11.3
LOAD POINT	53.6	59.6	65.5	71.5	77.4	83.4	89.3	95.3	101.3	107.2
FUEL RATE	19.8	21.0	22.2	23.4	24.6	25.9	27.4	29.2	31.4	33.8
THROTTLE	24.9	28.2	31.8	35.7	39.6	43.5	47.3	51.4	56.5	64.7
MANIFOLD	10.3	9.3	8.3	7.3	6.2	5.0	3.8	2.6	1.4	0.5
SPEED POINT 4000.0										
LOAD POINT	-58.9	0.0	5.8	11.6	17.4	23.1	28.9	34.7	40.5	46.3
FUEL RATE	3.5	15.0	14.9	15.4	16.4	17.8	19.3	21.0	22.6	24.1
THROTTLE	15.5	15.5	16.3	17.1	18.3	20.1	22.5	25.6	29.0	32.5
MANIFOLD	17.0	17.0	17.5	17.4	16.6	15.5	14.3	13.2	12.2	11.3
LOAD POINT	52.1	57.9	63.7	69.4	75.2	81.0	86.8	92.6	98.4	104.2
FUEL RATE	25.6	26.9	28.2	29.4	30.7	32.2	34.0	36.3	39.2	43.1
THROTTLE	35.7	38.4	40.6	42.6	44.8	47.5	51.2	55.4	58.0	58.0
MANIFOLD	10.6	9.9	9.3	8.7	8.0	7.1	6.2	5.0	3.8	2.5
SPEED POINT 5000.0										
LOAD POINT	-76.8	4.0	9.3	14.7	20.0	25.4	30.7	36.1	41.4	46.8
FUEL RATE	3.5	20.2	21.5	23.0	24.7	26.4	28.1	29.7	31.2	32.5
THROTTLE	23.4	23.4	26.3	28.8	30.6	31.8	32.7	34.1	36.4	39.8
MANIFOLD	15.5	15.5	14.9	14.5	14.2	13.9	13.5	13.0	12.4	11.8
LOAD POINT	52.1	57.5	62.8	68.2	73.6	78.9	84.3	89.6	95.0	100.3
FUEL RATE	33.8	35.0	36.2	37.4	38.9	40.6	42.8	45.7	49.4	54.1
THROTTLE	44.1	48.6	52.0	52.6	49.6	43.9	38.0	35.6	42.3	83.0
MANIFOLD	11.3	10.9	10.5	10.3	10.2	9.8	9.1	7.7	5.0	0.5
SPEED POINT 6000.0										
LOAD POINT	-94.6	6.0	10.5	15.1	19.6	24.1	28.6	33.1	37.6	42.2
FUEL RATE	3.5	29.2	29.0	29.3	30.1	31.2	32.6	34.3	36.1	38.1
THROTTLE	25.0	25.0	34.6	37.3	36.9	37.2	39.7	44.7	51.8	59.4
MANIFOLD	15.6	15.6	14.9	14.6	14.4	14.2	13.9	13.5	12.9	12.2
LOAD POINT	46.7	51.2	55.7	60.2	64.8	69.3	73.8	78.3	82.8	87.3
FUEL RATE	40.2	42.4	44.7	47.1	49.5	52.1	54.7	57.5	60.5	62.9
THROTTLE	65.8	68.8	68.1	64.6	60.6	58.2	59.0	63.7	71.5	76.0
MANIFOLD	11.2	10.2	9.0	7.7	6.3	5.0	3.8	2.7	1.8	1.2
*ENGINE		C5MDC6		RPM		TORQUE		G/HR(*.1)		
1975 MAZDA	70.0	ENGINE	CO MAP							
DATA	C.000	0.000	ROTARY	700.	6000.	.0400	.7126			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	0.7	0.7	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.9
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4
MANIFOLD	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	2.1	2.4	2.8	3.1	3.5	3.9	4.3	4.8	5.3	5.8
THROTTLE	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0
MANIFOLD	15.0	15.0	14.9	14.8	14.7	14.6	14.5	14.3	14.2	14.0
SPEED POINT 750.0										
LOAD POINT	-0.9	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9
MANIFOLD	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.2	14.1	14.1
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	2.9	4.8	7.0	9.6	12.5	15.7	19.4	23.3	27.6	32.3
THROTTLE	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5



MANIFOLD	14.0	14.0	13.9	13.9	13.8	13.7	13.7	13.6	13.6	13.5
SPEED POINT	800.0									
LOAD POINT	-1.8	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7
EMISSION RATE	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
THRATTLE	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9
MANIFOLD	14.5	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7
LOAD POINT	7.5	8.3	9.2	10.0	10.8	11.7	12.5	13.3	14.2	15.0
EMISSION RATE	3.2	7.2	12.0	17.5	23.8	30.8	38.5	47.0	56.3	66.3
THRATTLE	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5
MANIFOLD	13.6	13.5	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5
SPEED POINT	1000.0									
LOAD POINT	-5.4	-11.0	-11.0	-6.2	-1.3	3.6	8.4	13.3	18.1	23.0
EMISSION RATE	0.0	20.2	20.2	11.1	11.1	17.6	35.7	65.0	93.8	103.7
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	15.5	14.5	13.7	13.1	12.5	12.1	11.8
LOAD POINT	27.8	32.7	37.6	42.4	47.3	52.1	57.0	61.8	66.7	82.6
EMISSION RATE	90.6	67.7	48.2	36.8	33.5	39.4	61.9	125.0	287.7	277.4
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.4	11.0	10.6	10.0	9.3	8.4	7.4	6.1	4.8	0.4
SPEED POINT	1500.0									
LOAD POINT	-14.3	-17.7	-17.7	-12.2	-6.8	-1.3	4.2	9.7	15.1	20.6
EMISSION RATE	0.0	8.1	8.1	29.8	31.9	16.9	6.5	2.4	1.0	0.6
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.5	19.5	19.5	17.8	16.6	15.9	15.5	15.2	14.9	14.5
LOAD POINT	26.1	31.5	37.0	42.5	48.0	53.4	58.9	64.4	69.8	93.0
EMISSION RATE	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.8	0.9	226.1
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.0	13.3	12.5	11.5	10.4	9.3	8.1	6.9	5.8	0.4
SPEED POINT	2000.0									
LOAD POINT	-23.2	-20.5	-20.5	-14.7	-8.9	-3.1	2.7	8.5	14.2	20.0
EMISSION RATE	0.0	11.4	11.4	3.2	1.2	0.7	0.5	0.5	0.5	0.6
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.5	20.5	20.5	19.2	18.3	17.7	17.2	16.8	16.4	15.8
LOAD POINT	25.8	31.6	37.4	43.2	48.9	54.7	60.5	66.3	72.1	98.3
EMISSION RATE	0.7	0.8	1.0	1.2	1.5	1.8	2.2	2.6	3.1	4.3
THRATTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.1	14.3	13.4	12.4	11.4	10.4	9.4	8.4	7.4	0.5
SPEED POINT	2500.0									
LOAD POINT	-32.1	0.0	5.2	10.4	15.5	20.7	25.9	31.1	36.3	41.4
EMISSION RATE	0.7	1.9	1.8	1.8	2.7	4.3	6.5	9.2	11.5	13.0
THRATTLE	7.9	7.9	7.9	8.0	8.8	9.9	11.2	12.6	14.2	15.9
MANIFOLD	18.0	18.0	18.0	17.8	17.2	16.4	15.5	14.5	13.5	12.6
LOAD POINT	46.6	51.8	57.0	62.2	67.4	72.5	77.7	82.9	88.1	93.3
EMISSION RATE	13.5	13.3	12.8	12.5	12.8	13.8	15.4	15.4	15.4	14.2
THRATTLE	17.8	19.8	21.9	23.9	25.6	26.9	28.1	29.5	32.4	39.5
MANIFOLD	11.7	10.9	10.1	9.4	8.7	8.0	7.3	6.5	5.6	4.5
SPEED POINT	3000.0									
LOAD POINT	-41.1	0.0	6.0	11.9	17.9	23.8	29.8	35.7	41.7	47.6
EMISSION RATE	0.7	7.5	9.1	8.4	7.2	6.6	6.7	7.6	9.3	11.7
THRATTLE	10.2	10.2	10.5	11.3	12.4	13.9	15.5	17.4	19.6	22.1
MANIFOLD	17.9	17.9	18.0	17.8	17.0	15.9	14.7	13.5	12.4	11.3
LOAD POINT	53.6	59.6	65.5	71.5	77.4	83.4	89.3	95.3	101.3	107.2
EMISSION RATE	13.9	14.9	13.5	10.4	7.0	4.6	3.4	3.9	9.6	84.6
THRATTLE	24.9	28.2	31.8	35.7	39.6	43.5	47.3	51.4	56.5	64.7
MANIFOLD	10.3	9.3	8.3	7.3	6.2	5.0	3.8	2.6	1.4	0.5
SPEED POINT	4000.0									
LOAD POINT	-58.9	0.0	5.8	11.6	17.4	23.1	28.9	34.7	40.5	46.3
EMISSION RATE	0.7	3.6	5.4	6.0	5.7	5.0	4.4	4.3	4.6	5.8
THRATTLE	15.5	15.5	16.3	17.1	18.3	20.1	22.5	25.6	29.0	32.5
MANIFOLD	17.0	17.0	17.5	17.4	16.6	15.5	14.3	13.2	12.2	11.3
LOAD POINT	52.1	57.9	63.7	69.4	75.2	81.0	86.8	92.6	98.4	104.2

EMISSION RATE	8.4	13.8	24.9	47.5	90.1	158.1	212.4	212.4	212.4	114.7
THROTTLE	35.7	38.4	40.6	42.6	44.8	47.5	51.2	55.4	58.0	58.0
MANIFOLD	10.6	9.9	9.3	8.7	8.0	7.1	6.2	5.0	3.8	2.5
SPEED POINT	5000.0									
LOAD POINT	-76.8	4.0	9.3	14.7	20.0	25.4	30.7	36.1	41.4	46.8
EMISSION RATE	0.7	2.2	2.4	2.8	3.9	7.0	15.6	40.3	107.3	259.9
THROTTLE	23.4	23.4	26.3	28.8	30.6	31.8	32.7	34.1	36.4	39.8
MANIFOLD	15.5	15.5	14.9	14.5	14.2	13.9	13.5	13.0	12.4	11.8
LOAD POINT	52.1	57.5	62.8	68.2	73.6	78.9	84.3	89.6	95.0	100.3
EMISSION RATE	504.7	672.3	667.6	422.2	191.6	73.5	31.6	23.0	49.8	672.3
THROTTLE	44.1	48.6	52.0	52.6	49.6	43.9	38.0	35.6	42.3	83.0
MANIFOLD	11.3	10.9	10.5	10.3	10.2	9.8	9.1	7.7	5.0	0.5
SPEED POINT	6000.0									
LOAD POINT	-94.6	6.0	10.5	15.1	19.6	24.1	28.6	33.1	37.6	42.2
EMISSION RATE	0.7	216.7	147.9	146.6	182.0	252.4	359.3	495.6	639.5	759.3
THROTTLE	25.0	25.0	34.6	37.3	36.9	37.2	39.7	44.7	51.8	59.4
MANIFOLD	15.6	15.6	14.9	14.6	14.4	14.2	13.9	13.5	12.9	12.2
LOAD POINT	46.7	51.2	55.7	60.2	64.8	69.3	73.8	78.3	82.8	87.3
EMISSION RATE	828.5	839.1	802.8	741.5	675.5	618.0	573.8	540.4	508.3	461.5
THROTTLE	65.8	68.8	68.1	64.6	60.6	58.2	59.0	63.7	71.5	76.0
MANIFOLD	11.2	10.2	9.0	7.7	6.3	5.0	3.8	2.7	1.8	1.2
*ENGINE	H5MDC6		RPM		TORQUE		G/HR			
1975 MAZDA	70.0	ENGINE	HC MAP							
DATA	C.000	0.000	ROTARY	700.	6000.	.0400	.7126			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.3
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4
MANIFOLD	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	2.1	3.1	4.2	5.4	6.9	8.4	10.1	12.0	14.0	16.2
THROTTLE	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0
MANIFOLD	15.0	15.0	14.9	14.8	14.7	14.6	14.5	14.3	14.2	14.0
SPEED POINT	750.0									
LOAD POINT	-0.9	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	0.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9
MANIFOLD	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.2	14.1	14.1
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	1.6	10.8	25.4	42.4	62.0	84.0	108.5	135.5	165.0	196.9
THROTTLE	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5
MANIFOLD	14.0	14.0	13.9	13.9	13.8	13.7	13.7	13.6	13.6	13.5
SPEED POINT	800.0									
LOAD POINT	-1.8	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.9	6.7
EMISSION RATE	0.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
THROTTLE	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9
MANIFOLD	14.5	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7
LOAD POINT	7.5	8.3	9.2	10.0	10.8	11.7	12.5	13.3	14.2	15.0
EMISSION RATE	4.4	21.8	42.6	66.8	94.5	125.6	160.1	198.1	239.5	284.3
THROTTLE	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5
MANIFOLD	13.6	13.5	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5
SPEED POINT	1000.0									
LOAD POINT	-5.4	-11.0	-11.0	-6.2	-1.3	3.6	8.4	13.3	18.1	23.0
EMISSION RATE	0.0	293.4	293.4	30.0	22.7	37.9	96.9	223.5	364.1	383.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	15.5	14.5	13.7	13.1	12.5	12.1	11.8
LOAD POINT	27.8	32.7	37.6	42.4	47.3	52.1	57.0	61.8	66.7	82.6
EMISSION RATE	271.2	145.3	70.6	38.0	27.3	30.2	54.6	153.4	524.1	372.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.4	11.0	10.6	10.0	9.3	8.4	7.4	6.1	4.8	0.4
SPEED POINT	1500.0									

LOAD POINT	-14.3	-17.7	-17.7	-12.2	-6.8	-1.3	4.2	9.7	15.1	20.6
EMISSION RATE	0.0	252.2	252.2	171.1	59.5	15.6	4.1	1.3	0.5	0.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.5	19.5	19.5	17.8	16.6	15.9	15.5	15.2	14.9	14.5
LOAD POINT	26.1	31.5	37.0	42.5	48.0	53.4	58.9	64.4	69.8	93.0
EMISSION RATE	0.3	0.3	0.5	0.8	1.3	2.2	3.1	3.9	4.3	20.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.0	13.3	12.5	11.5	10.4	9.3	8.1	6.9	5.8	0.4
SPEED POINT 2000.0										
LOAD POINT	-23.2	-20.5	-20.5	-14.7	-8.9	-3.1	2.7	8.5	14.2	20.0
EMISSION RATE	0.0	453.1	453.1	38.1	5.4	1.5	0.7	0.5	0.4	0.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.5	20.5	20.5	19.2	18.3	17.7	17.2	16.8	16.4	15.8
LOAD POINT	25.8	31.6	37.4	43.2	48.9	54.7	60.5	66.3	72.1	98.3
EMISSION RATE	0.5	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.2	4.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.1	14.3	13.4	12.4	11.4	10.4	9.4	8.4	7.4	0.5
SPEED POINT 2500.0										
LOAD POINT	-32.1	0.0	5.2	10.4	15.5	20.7	25.9	31.1	36.3	41.4
EMISSION RATE	0.4	2.8	1.7	1.3	1.2	1.2	1.2	1.3	1.3	1.3
THROTTLE	7.9	7.9	7.9	8.0	8.8	9.9	11.2	12.6	14.2	15.9
MANIFOLD	18.0	18.0	18.0	17.8	17.2	16.4	15.5	14.5	13.5	12.6
LOAD POINT	46.6	51.8	57.0	62.2	67.4	72.5	77.7	82.9	88.1	93.3
EMISSION RATE	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.4
THROTTLE	17.8	19.8	21.9	23.9	25.6	26.9	28.1	29.5	32.4	39.5
MANIFOLD	11.7	10.9	10.1	9.4	8.7	8.0	7.3	6.5	5.6	4.5
SPEED POINT 3000.0										
LOAD POINT	-41.1	0.0	6.0	11.9	17.9	23.8	29.8	35.7	41.7	47.6
EMISSION RATE	0.4	19.2	13.8	7.4	3.7	1.9	1.2	0.9	0.8	0.8
THROTTLE	10.2	10.2	10.5	11.3	12.4	13.9	15.5	17.4	19.6	22.1
MANIFOLD	17.9	17.9	18.0	17.8	17.0	15.9	14.7	13.5	12.4	11.3
LOAD POINT	53.6	59.6	65.5	71.5	77.4	83.4	89.3	95.3	101.3	107.2
EMISSION RATE	0.9	1.0	1.2	1.3	1.3	1.2	1.2	1.4	2.1	5.9
THROTTLE	24.9	28.2	31.8	35.7	39.6	43.5	47.3	51.4	56.5	64.7
MANIFOLD	10.3	9.3	8.3	7.3	6.2	5.0	3.8	2.6	1.4	0.5
SPEED POINT 4000.0										
LOAD POINT	-58.9	0.0	5.8	11.6	17.4	23.1	28.9	34.7	40.5	46.3
EMISSION RATE	0.4	5.0	4.0	3.0	2.5	2.3	2.5	3.0	3.8	4.6
THROTTLE	15.5	15.5	16.3	17.1	18.3	20.1	22.5	25.6	29.0	32.5
MANIFOLD	17.0	17.0	17.5	17.4	16.6	15.5	14.3	13.2	12.2	11.3
LOAD POINT	52.1	57.9	63.7	69.4	75.2	81.0	86.8	92.6	98.4	104.2
EMISSION RATE	4.9	4.5	3.4	2.2	1.3	0.9	0.8	1.6	10.4	447.8
THROTTLE	35.7	38.4	40.6	42.6	44.8	47.5	51.2	55.4	58.0	58.0
MANIFOLD	10.6	9.9	9.3	8.7	8.0	7.1	6.2	5.0	3.8	2.5
SPEED POINT 5000.0										
LOAD POINT	-76.8	4.0	9.3	14.7	20.0	25.4	30.7	36.1	41.4	46.8
EMISSION RATE	0.4	4.3	5.4	5.3	5.4	6.9	11.8	25.5	62.9	151.7
THROTTLE	23.4	23.4	26.3	28.8	30.6	31.8	32.7	34.1	36.4	39.8
MANIFOLD	15.5	15.5	14.9	14.5	14.2	13.9	13.5	13.0	12.4	11.8
LOAD POINT	52.1	57.5	62.8	68.2	73.6	78.9	84.3	89.6	95.0	100.3
EMISSION RATE	304.9	365.5	365.5	234.0	87.8	25.8	8.2	4.7	9.8	190.5
THROTTLE	44.1	48.6	52.0	52.6	49.6	43.9	38.0	35.6	42.3	83.0
MANIFOLD	11.3	10.9	10.5	10.3	10.2	9.8	9.1	7.7	5.0	0.5
SPEED POINT 6000.0										
LOAD POINT	-94.6	6.0	10.5	15.1	19.6	24.1	28.6	33.1	37.6	42.2
EMISSION RATE	0.4	7.0	3.1	2.8	4.2	8.8	21.8	55.6	127.4	237.4
THROTTLE	25.0	25.0	34.6	37.3	36.9	37.2	39.7	44.7	51.8	59.4
MANIFOLD	15.6	15.6	14.9	14.6	14.4	14.2	13.9	13.5	12.9	12.2
LOAD POINT	46.7	51.2	55.7	60.2	64.8	69.3	73.8	78.3	82.8	87.3
EMISSION RATE	333.5	337.9	244.6	130.2	54.6	20.2	7.8	3.8	3.2	6.2
THROTTLE	65.8	68.8	68.1	64.6	60.6	58.2	59.0	63.7	71.5	76.0

MANIFOLD *ENGINE	11.2	10.2	9.0	7.7	6.3	5.0	3.8	2.7	1.8	1.2
1975 MAZDA DATA	70.0	ENGINE	NOX	MAP		TORQUE		G/HR		
	0.000	0.000	ROTARY	700.	6000.	.0400	.7126			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.1
THROTTLE	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4
MANIFOLD	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	1.2	1.2	1.3	1.4	1.6	1.7	1.8	2.0	2.1	2.3
THROTTLE	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0
MANIFOLD	15.0	15.0	14.9	14.8	14.7	14.6	14.5	14.3	14.2	14.0
SPEED POINT	750.0									
LOAD POINT	-0.9	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8	6.6
EMISSION RATE	0.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
THROTTLE	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9
MANIFOLD	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.2	14.1	14.1
LOAD POINT	7.4	8.2	9.0	9.9	10.7	11.5	12.3	13.2	14.0	14.8
EMISSION RATE	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.8
THROTTLE	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5
MANIFOLD	14.0	14.0	13.9	13.9	13.8	13.7	13.7	13.6	13.6	13.5
SPEED POINT	800.0									
LOAD POINT	-1.8	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7
EMISSION RATE	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2
THROTTLE	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9
MANIFOLD	14.5	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7
LOAD POINT	7.5	8.3	9.2	10.0	10.8	11.7	12.5	13.3	14.2	15.0
EMISSION RATE	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8	2.0
THROTTLE	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5
MANIFOLD	13.6	13.5	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5
SPEED POINT	1000.0									
LOAD POINT	-5.4	-11.0	-11.0	-6.2	-1.3	3.6	8.4	13.3	18.1	23.0
EMISSION RATE	0.0	0.4	0.4	0.7	1.1	1.5	1.7	1.8	2.0	2.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.5	16.5	16.5	15.5	14.5	13.7	13.1	12.5	12.1	11.8
LOAD POINT	27.8	32.7	37.6	42.4	47.3	52.1	57.0	61.8	66.7	72.6
EMISSION RATE	3.7	6.1	10.5	17.5	25.4	30.8	30.8	26.5	21.3	12.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	11.4	11.0	10.6	10.0	9.3	8.4	7.4	6.1	4.8	0.4
SPEED POINT	1500.0									
LOAD POINT	-14.3	-17.7	-17.7	-12.2	-6.8	-1.3	4.2	9.7	15.1	20.6
EMISSION RATE	0.0	0.5	0.5	1.3	1.6	1.7	2.0	3.2	5.7	10.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	19.5	19.5	19.5	17.8	16.6	15.9	15.5	15.2	14.9	14.5
LOAD POINT	26.1	31.5	37.0	42.5	48.0	53.4	58.9	64.4	69.8	75.0
EMISSION RATE	18.1	26.2	32.1	34.5	35.2	36.7	41.6	51.4	62.2	74.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	14.0	13.3	12.5	11.5	10.4	9.3	8.1	6.9	5.8	0.4
SPEED POINT	2000.0									
LOAD POINT	-23.2	-20.5	-20.5	-14.7	-8.9	-3.1	2.7	8.5	14.2	20.0
EMISSION RATE	0.0	0.4	0.4	1.3	2.8	4.5	6.4	8.9	12.4	17.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	20.5	20.5	20.5	19.2	18.3	17.7	17.2	16.8	16.4	15.8
LOAD POINT	25.8	31.6	37.4	43.2	48.9	54.7	60.5	66.3	72.1	78.3
EMISSION RATE	24.7	34.7	46.9	60.5	73.9	86.4	98.5	112.5	131.9	148.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	15.1	14.3	13.4	12.4	11.4	10.4	9.4	8.4	7.4	0.5
SPEED POINT	2500.0									
LOAD POINT	-32.1	0.0	5.2	10.4	15.5	20.7	25.9	31.1	36.3	41.4
EMISSION RATE	0.9	9.0	6.2	6.2	358.8	358.8	6.2	6.2	6.2	6.2

THROTTLE	7.9	7.9	7.9	8.0	8.8	9.9	11.2	12.6	14.2	15.9
MANIFOLD	18.0	18.0	18.0	17.8	17.2	16.4	15.5	14.5	13.5	12.6
LOAD POINT	46.6	51.8	57.0	62.2	67.4	72.5	77.7	82.9	88.1	93.3
EMISSION RATE	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
THROTTLE	17.8	19.8	21.9	23.9	25.6	26.9	28.1	29.5	32.4	39.5
MANIFOLD	11.7	10.9	10.1	9.4	8.7	8.0	7.3	6.5	5.6	4.5
SPEED POINT 3000.0										
LOAD POINT	-41.1	0.0	6.0	11.9	17.9	23.8	29.8	35.7	41.7	47.6
EMISSION RATE	0.9	7.5	8.8	10.4	14.2	22.2	37.0	61.2	95.4	136.8
THROTTLE	10.2	10.2	10.5	11.3	12.4	13.9	15.5	17.4	19.6	22.1
MANIFOLD	17.9	17.9	18.0	17.8	17.0	15.9	14.7	13.5	12.4	11.3
LOAD POINT	53.6	59.6	65.5	71.5	77.4	83.4	89.3	95.3	101.3	107.2
EMISSION RATE	182.1	230.2	282.6	338.7	388.3	403.9	368.8	283.1	197.7	163.5
THROTTLE	24.9	28.2	31.8	35.7	39.6	43.5	47.3	51.4	56.5	64.7
MANIFOLD	10.3	9.3	8.3	7.3	6.2	5.0	3.8	2.6	1.4	0.5
SPEED POINT 4000.0										
LOAD POINT	-58.9	0.0	5.8	11.6	17.4	23.1	28.9	34.7	40.5	46.3
EMISSION RATE	0.9	18.3	17.4	23.9	35.2	51.0	71.6	99.0	134.9	177.4
THROTTLE	15.5	15.5	16.3	17.1	18.3	20.1	22.5	25.6	29.0	32.5
MANIFOLD	17.0	17.0	17.5	17.4	16.6	15.5	14.3	13.2	12.2	11.3
LOAD POINT	52.1	57.9	63.7	69.4	75.2	81.0	86.8	92.6	98.4	104.2
EMISSION RATE	217.2	239.7	236.4	214.7	192.9	189.2	219.0	267.7	267.7	218.7
THROTTLE	35.7	38.4	40.6	42.6	44.8	47.5	51.2	55.4	58.0	58.0
MANIFOLD	10.6	9.9	9.3	8.7	8.0	7.1	6.2	5.0	3.8	2.5
SPEED POINT 5000.0										
LOAD POINT	-76.8	4.0	9.3	14.7	20.0	25.4	30.7	36.1	41.4	46.8
EMISSION RATE	0.9	49.6	70.3	98.5	103.3	95.6	96.5	114.4	145.7	168.0
THROTTLE	23.4	23.4	26.3	28.8	30.6	31.8	32.7	34.1	36.4	39.8
MANIFOLD	15.5	15.5	14.9	14.5	14.2	13.9	13.5	13.0	12.4	11.8
LOAD POINT	52.1	57.5	62.8	68.2	73.6	78.9	84.3	89.6	95.0	100.3
EMISSION RATE	156.8	128.6	133.6	331.6	382.4	382.4	382.4	382.4	382.4	382.4
THROTTLE	44.1	48.6	52.0	52.6	49.6	43.9	38.0	35.6	42.3	83.0
MANIFOLD	11.3	10.9	10.5	10.3	10.2	9.8	9.1	7.7	5.0	0.5
SPEED POINT 6000.0										
LOAD POINT	-94.6	6.0	10.5	15.1	19.6	24.1	28.6	33.1	37.6	42.2
EMISSION RATE	0.9	39.7	24.8	27.5	38.2	48.6	55.4	59.9	65.7	76.4
THROTTLE	25.0	25.0	34.6	37.3	36.9	37.2	39.7	44.7	51.8	59.4
MANIFOLD	15.6	15.6	14.9	14.6	14.4	14.2	13.9	13.5	12.9	12.2
LOAD POINT	46.7	51.2	55.7	60.2	64.8	69.3	73.8	78.3	82.8	87.3
EMISSION RATE	94.4	120.6	152.7	165.6	215.4	245.4	287.2	353.1	360.8	360.7
THROTTLE	65.8	68.8	68.1	64.6	60.6	58.2	59.0	63.7	71.5	76.0
MANIFOLD	11.2	10.2	9.0	7.7	6.3	5.0	3.8	2.7	1.8	1.2

E.4 1975 MERCEDES (DAIMLER)-BENZ DIESEL 183.4 CID (3.0 LITER), F.I.

*ENGINE, DIESEL	F5MOC5	RPM	TORQUE				LB/HR			
1975 M8	183.4	ENGINE	FUEL	MAP	4000.	.4000	.8436			
DATA F.I.	3.580	3.640	5	700.	4000.	.4000	.8436			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.6	13.3
FUEL RATE	1.2	1.2	0.7	0.7	0.7	0.7	0.7	1.4	2.2	2.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.6
LOAD POINT	15.0	16.6	18.3	20.0	21.6	23.3	25.0	26.6	28.3	30.0
FUEL RATE	2.5	2.5	2.5	2.1	1.4	0.7	0.7	0.7	0.8	2.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
SPEED POINT	1100.0									
LOAD POINT	-7.0	0.4	6.4	12.3	18.3	24.3	30.2	36.2	42.2	48.2
FUEL RATE	1.2	1.7	2.2	2.6	2.9	3.2	3.4	3.7	4.0	4.4
THROTTLE	8.8	8.8	9.4	10.3	11.2	12.1	12.9	13.5	13.9	14.1
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	54.1	60.1	66.1	72.0	78.0	84.0	89.9	95.9	101.9	107.9
FUEL RATE	4.7	5.2	5.6	6.2	6.7	7.3	7.9	8.5	9.0	9.5
THROTTLE	14.2	14.2	14.3	14.5	14.9	15.5	16.3	17.3	18.4	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
SPEED POINT	1500.0									
LOAD POINT	-13.9	0.0	6.1	12.2	18.3	24.3	30.4	36.5	42.6	48.7
FUEL RATE	1.2	2.7	3.4	4.0	4.5	5.0	5.4	5.8	6.3	6.8
THROTTLE	14.0	14.0	14.2	14.4	14.7	15.0	15.4	15.8	16.2	16.5
MANIFOLD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
LOAD POINT	54.8	60.9	67.0	73.0	79.1	85.2	91.3	97.4	103.5	109.6
FUEL RATE	7.3	7.9	8.6	9.3	10.0	10.8	11.5	12.2	12.7	13.2
THROTTLE	16.7	16.9	17.0	17.2	17.3	17.6	17.9	18.3	18.7	19.0
MANIFOLD	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
SPEED POINT	2000.0									
LOAD POINT	-22.6	0.0	6.1	12.2	18.3	24.4	30.5	36.6	42.7	48.8
FUEL RATE	1.2	3.6	4.2	4.8	5.5	6.2	6.9	7.6	8.3	9.1
THROTTLE	13.6	13.6	13.7	14.0	14.4	14.7	15.0	15.3	15.5	15.8
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	54.8	60.9	67.0	73.1	79.2	85.3	91.4	97.5	103.6	109.7
FUEL RATE	9.9	10.7	11.5	12.3	13.2	14.0	15.0	16.0	17.0	18.1
THROTTLE	16.0	16.3	16.6	16.8	17.0	17.2	17.3	17.7	18.6	20.7
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6
SPEED POINT	2400.0									
LOAD POINT	-29.6	0.0	6.3	12.5	18.8	25.1	31.4	37.6	43.9	50.2
FUEL RATE	1.2	4.8	5.5	6.3	7.2	8.1	9.1	10.0	11.0	12.0
THROTTLE	14.2	14.2	14.4	14.6	14.7	14.9	15.2	15.5	15.9	16.1
MANIFOLD	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4
LOAD POINT	56.5	62.7	69.0	75.3	81.6	87.8	94.1	100.4	106.7	112.9
FUEL RATE	13.0	14.0	15.0	15.9	16.7	17.6	18.3	19.0	19.7	20.3
THROTTLE	16.4	16.5	16.6	16.7	16.8	17.0	17.4	17.9	18.5	19.0
MANIFOLD	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.5
SPEED POINT	3000.0									
LOAD POINT	-40.1	2.0	8.0	14.0	20.0	26.0	32.0	38.0	44.0	50.0
FUEL RATE	1.2	7.4	8.5	9.6	10.7	11.8	12.8	13.9	15.0	16.0
THROTTLE	14.2	14.2	14.3	14.6	15.0	15.4	15.6	15.8	16.0	16.2
MANIFOLD	0.4	0.4	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4
LOAD POINT	56.0	62.0	68.0	74.0	80.0	85.9	91.9	97.9	103.9	109.9
FUEL RATE	17.1	18.1	19.2	20.3	21.5	22.7	24.0	25.4	27.0	28.0
THROTTLE	16.4	16.7	17.1	17.4	17.7	18.0	18.1	18.2	18.4	19.0
MANIFOLD	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6
SPEED POINT	3500.0									
LOAD POINT	-48.8	0.0	5.4	10.8	16.3	21.7	27.1	32.5	37.9	43.4
FUEL RATE	1.2	11.6	11.8	12.4	13.2	14.1	15.2	16.4	17.5	18.7
THROTTLE	14.2	14.2	14.4	14.6	14.8	15.1	15.4	15.8	16.1	16.4

MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
LOAD POINT	48.8	54.2	59.6	65.0	70.5	75.9	81.3	86.7	92.1	97.6
FUEL RATE	19.8	20.9	22.0	23.2	24.3	25.5	26.9	28.5	30.4	32.6
THROTTLE	16.6	16.8	16.9	17.0	17.2	17.5	17.8	18.3	18.7	19.0
MANIFOLD	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
SPEED POINT	4000.0									
LOAD POINT	-57.5	1.0	5.9	10.9	15.8	20.8	25.8	30.7	35.7	40.6
FUEL RATE	1.2	11.7	14.2	15.8	16.8	17.4	17.7	18.1	18.6	19.3
THROTTLE	14.2	14.2	14.4	14.6	14.9	15.2	15.5	15.8	16.1	16.3
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	45.6	50.5	55.5	60.5	65.4	70.4	75.3	80.3	85.2	90.2
FUEL RATE	20.2	21.5	23.1	24.9	27.0	29.1	31.2	33.0	34.5	35.3
THROTTLE	16.5	16.6	16.8	16.9	17.1	17.3	17.5	17.9	18.3	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
*ENGINE		C5MDC5		RPM		TORQUE		G/HR(*.1)		
1975 MB	183.4	ENGINE	CO	MAP						
DATA	3.580	3.640	5	700.	4000.	.4000	.8436			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.6	13.3
EMISSION RATE	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.0	0.8	0.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.6
LOAD POINT	15.0	16.6	18.3	20.0	21.6	23.3	25.0	26.6	28.3	30.0
EMISSION RATE	0.8	0.8	0.8	0.9	1.5	1.5	1.5	1.5	1.5	1.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
SPEED POINT	1100.0									
LOAD POINT	-7.0	0.4	6.4	12.3	18.3	24.3	30.2	36.2	42.2	48.2
EMISSION RATE	1.0	3.2	2.8	2.5	2.3	2.2	2.1	2.0	2.0	1.9
THROTTLE	8.8	8.8	9.4	10.3	11.2	12.1	12.9	13.5	13.9	14.1
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	54.1	60.1	66.1	72.0	78.0	84.0	89.9	95.9	101.9	107.9
EMISSION RATE	1.9	2.0	2.0	2.2	2.4	2.6	2.9	3.3	3.6	3.7
THROTTLE	14.2	14.2	14.3	14.5	14.9	15.5	16.3	17.3	18.4	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
SPEED POINT	1500.0									
LOAD POINT	-13.9	0.0	6.1	12.2	18.3	24.3	30.4	36.5	42.6	48.7
EMISSION RATE	1.0	3.4	3.5	3.4	3.3	3.1	3.0	2.9	2.9	2.9
THROTTLE	14.0	14.0	14.2	14.4	14.7	15.0	15.4	15.8	16.2	16.5
MANIFOLD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
LOAD POINT	54.8	60.9	67.0	73.0	79.1	85.2	91.3	97.4	103.5	109.6
EMISSION RATE	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.7	3.7	3.7
THROTTLE	16.7	16.9	17.0	17.2	17.3	17.6	17.9	18.3	18.7	19.0
MANIFOLD	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
SPEED POINT	2000.0									
LOAD POINT	-22.6	0.0	6.1	12.2	18.3	24.4	30.5	36.6	42.7	48.8
EMISSION RATE	1.0	4.4	4.4	4.3	4.1	3.9	3.7	3.5	3.4	3.4
THROTTLE	13.6	13.6	13.7	14.0	14.4	14.7	15.0	15.3	15.5	15.8
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	54.8	60.9	67.0	73.1	79.2	85.3	91.4	97.5	103.6	109.7
EMISSION RATE	3.4	3.5	3.7	3.9	4.1	4.3	4.4	4.4	4.1	3.7
THROTTLE	16.0	16.3	16.6	16.8	17.0	17.2	17.3	17.7	18.6	20.7
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6
SPEED POINT	2400.0									
LOAD POINT	-29.6	0.0	6.3	12.5	18.8	25.1	31.4	37.6	43.9	50.2
EMISSION RATE	1.0	7.5	6.7	6.1	5.7	5.5	5.3	5.3	5.2	5.1
THROTTLE	14.2	14.2	14.4	14.6	14.7	14.9	15.2	15.5	15.9	16.1
MANIFOLD	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4
LOAD POINT	56.5	62.7	69.0	75.3	81.6	87.8	94.1	100.4	106.7	112.9
EMISSION RATE	5.0	4.8	4.5	4.2	3.9	3.7	3.6	3.6	3.8	4.5
THROTTLE	16.4	16.5	16.6	16.7	16.8	17.0	17.4	17.9	18.5	19.0

MANIFOLD	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.5
SPEED POINT 3000.0										
LOAD POINT	-40.1	2.0	8.0	14.0	20.0	26.0	32.0	38.0	44.0	50.0
EMISSION RATE	1.0	11.7	9.2	8.2	7.9	7.9	7.9	7.8	7.5	7.1
THROTTLE	14.2	14.2	14.3	14.6	15.0	15.4	15.6	15.8	16.0	16.2
MANIFOLD	0.4	0.4	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4
LOAD POINT	56.0	62.0	68.0	74.0	80.0	85.9	91.9	97.9	103.9	109.9
EMISSION RATE	6.6	6.1	5.6	5.2	5.0	4.9	4.9	5.1	5.3	5.4
THROTTLE	16.4	16.7	17.1	17.4	17.7	18.0	18.1	18.2	18.4	19.0
MANIFOLD	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6
SPEED POINT 3500.0										
LOAD POINT	-48.8	0.0	5.4	10.8	16.3	21.7	27.1	32.5	37.9	43.4
EMISSION RATE	1.0	19.4	18.0	17.9	18.0	17.8	16.7	15.0	12.8	10.6
THROTTLE	14.2	14.2	14.4	14.6	14.8	15.1	15.4	15.8	16.1	16.4
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
LOAD POINT	48.8	54.2	59.6	65.0	70.5	75.9	81.3	86.7	92.1	97.6
EMISSION RATE	8.7	7.2	6.2	5.6	5.3	5.4	5.8	6.4	6.8	6.7
THROTTLE	16.6	16.8	16.9	17.0	17.2	17.5	17.8	18.3	18.7	19.0
MANIFOLD	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
SPEED POINT 4000.0										
LOAD POINT	-57.5	1.0	5.9	10.9	15.8	20.8	25.8	30.7	35.7	40.6
EMISSION RATE	1.0	22.3	22.8	22.5	21.6	20.5	19.3	18.2	17.2	16.3
THROTTLE	14.2	14.2	14.4	14.6	14.9	15.2	15.5	15.8	16.1	16.3
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	45.6	50.5	55.5	60.5	65.4	70.4	75.3	80.3	85.2	90.2
EMISSION RATE	15.4	14.5	13.7	12.9	12.2	11.5	11.0	10.7	10.8	11.5
THROTTLE	16.5	16.6	16.8	16.9	17.1	17.3	17.5	17.9	18.3	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
*ENGINE		H5MDC5		RPM		TORQUE		G/HR		
1975 MB	183.4	ENGINE		HC	MAP					
DATA	3.580	3.640	5	700.	4000.	.4000	.8436			
SPEED POINT 700.0										
LOAD POINT	0.0	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.6	13.3
EMISSION RATE	4.6	4.6	4.6	3.1	3.1	3.1	3.1	4.3	6.0	6.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.6
LOAD POINT	15.0	16.6	18.3	20.0	21.6	23.3	25.0	26.6	28.3	30.0
EMISSION RATE	6.0	6.0	6.0	3.6	3.1	3.1	3.1	3.1	3.1	3.4
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
SPEED POINT 1100.0										
LOAD POINT	-7.0	0.4	6.4	12.3	18.3	24.3	30.2	36.2	42.2	48.2
EMISSION RATE	4.6	13.0	9.6	7.9	7.0	6.6	6.4	6.2	6.0	5.8
THROTTLE	8.8	8.8	9.4	10.3	11.2	12.1	12.9	13.5	13.9	14.1
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	54.1	60.1	66.1	72.0	78.0	84.0	89.9	95.9	101.9	107.9
EMISSION RATE	5.5	5.2	4.9	4.8	4.8	4.8	4.8	5.3	6.5	8.7
THROTTLE	14.2	14.2	14.3	14.5	14.9	15.5	16.3	17.3	18.4	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
SPEED POINT 1500.0										
LOAD POINT	-13.9	0.0	6.1	12.2	18.3	24.3	30.4	36.5	42.6	48.7
EMISSION RATE	4.6	10.4	9.9	9.3	8.6	7.9	7.4	6.9	6.6	6.4
THROTTLE	14.0	14.0	14.2	14.4	14.7	15.0	15.4	15.8	16.2	16.5
MANIFOLD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
LOAD POINT	54.8	60.9	67.0	73.0	79.1	85.2	91.3	97.4	103.5	109.6
EMISSION RATE	6.3	6.3	6.4	6.6	6.8	7.1	7.3	7.6	7.8	7.8
THROTTLE	10.7	16.9	17.0	17.2	17.3	17.6	17.9	18.3	18.7	19.0
MANIFOLD	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
SPEED POINT 2000.0										
LOAD POINT	-22.6	0.0	6.1	12.2	18.3	24.4	30.5	36.6	42.7	48.8
EMISSION RATE	4.6	12.1	11.2	11.0	11.1	11.4	11.5	11.5	11.1	10.5



THROTTLE	13.6	13.6	13.7	14.0	14.4	14.7	15.0	15.3	15.5	15.8
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	54.8	60.9	67.0	73.1	79.2	85.3	91.4	97.5	103.6	109.7
EMISSION RATE	9.7	8.8	7.8	7.0	6.3	5.9	5.9	5.9	6.8	8.6
THROTTLE	16.0	16.3	16.6	16.8	17.0	17.2	17.3	17.7	18.6	20.7
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6
SPEED POINT 2400.0										
LOAD POINT	-29.6	0.0	6.3	12.5	18.8	25.1	31.4	37.6	43.9	50.2
EMISSION RATE	4.6	14.7	14.2	13.7	13.1	12.5	12.0	11.6	11.3	11.0
THROTTLE	14.2	14.2	14.4	14.6	14.7	14.9	15.2	15.5	15.9	16.1
MANIFOLD	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4
LOAD POINT	56.5	62.7	69.0	75.3	81.6	87.8	94.1	100.4	106.7	112.9
EMISSION RATE	10.9	10.8	10.8	11.0	11.1	11.3	11.5	11.6	11.6	11.3
THROTTLE	16.4	16.5	16.6	16.7	16.8	17.0	17.4	17.9	18.5	19.0
MANIFOLD	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.5
SPEED POINT 3000.0										
LOAD POINT	-40.1	2.0	8.0	14.0	20.0	26.0	32.0	38.0	44.0	50.0
EMISSION RATE	4.6	16.3	15.9	14.7	13.6	12.6	12.0	11.6	11.4	11.4
THROTTLE	14.2	14.2	14.3	14.6	15.0	15.4	15.6	15.8	16.0	16.2
MANIFOLD	0.4	0.4	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4
LOAD POINT	56.0	62.0	68.0	74.0	80.0	85.9	91.9	97.9	103.9	109.9
EMISSION RATE	11.5	11.7	11.8	11.8	11.7	11.6	11.5	11.6	12.1	13.5
THROTTLE	16.4	16.7	17.1	17.4	17.7	18.0	18.1	18.2	18.4	19.0
MANIFOLD	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6
SPEED POINT 3500.0										
LOAD POINT	-48.8	0.0	5.4	10.8	16.3	21.7	27.1	32.5	37.9	43.4
EMISSION RATE	4.6	23.9	25.1	23.8	21.6	19.7	18.3	17.6	17.5	17.8
THROTTLE	14.2	14.2	14.4	14.6	14.8	15.1	15.4	15.8	16.1	16.4
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
LOAD POINT	48.3	54.2	59.6	65.0	70.5	75.9	81.3	86.7	92.1	97.6
EMISSION RATE	18.3	18.9	19.1	18.9	18.1	16.9	15.6	14.7	15.0	17.6
THROTTLE	16.6	16.8	16.9	17.0	17.2	17.5	17.8	18.3	18.7	19.0
MANIFOLD	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
SPEED POINT 4000.0										
LOAD POINT	-57.5	1.0	5.9	10.9	15.8	20.8	25.8	30.7	35.7	40.6
EMISSION RATE	4.6	25.8	29.3	29.3	27.4	24.9	22.7	21.0	19.9	19.3
THROTTLE	14.2	14.2	14.4	14.6	14.9	15.2	15.5	15.8	16.1	16.3
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	45.6	50.5	55.5	60.5	65.4	70.4	75.3	80.3	85.2	90.2
EMISSION RATE	19.1	19.0	19.0	18.7	18.2	17.5	16.6	16.3	16.3	17.6
THROTTLE	16.5	16.6	16.8	16.9	17.1	17.3	17.5	17.9	18.3	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
*ENGINE		N5MDC5		RPM		TORQUE		G/HR		
1975 MB	183.4	ENGINE		NOX	MAP					
DATA	3.580	3.640		5	700.	4000.	.4000	.8436		
SPEED POINT 700.0										
LOAD POINT	0.0	0.0	1.7	3.3	5.0	6.7	8.3	10.0	11.6	13.3
EMISSION RATE	6.4	6.4	16.3	16.3	16.3	16.3	16.3	9.9	6.3	6.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.6
LOAD POINT	15.0	16.6	18.3	20.0	21.6	23.3	25.0	26.6	28.3	30.0
EMISSION RATE	6.3	6.3	6.3	6.3	16.3	16.3	16.3	16.3	16.3	16.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
SPEED POINT 1100.0										
LOAD POINT	-7.0	0.4	6.4	12.3	18.3	24.3	30.2	36.2	42.2	48.2
EMISSION RATE	6.4	8.0	11.1	14.5	18.3	22.1	25.9	29.5	32.7	35.4
THROTTLE	8.8	8.8	9.4	10.3	11.2	12.1	12.9	13.5	13.9	14.1
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	54.1	60.1	66.1	72.0	78.0	84.0	89.9	95.9	101.9	107.9
EMISSION RATE	37.7	39.6	41.1	42.3	43.3	43.9	44.3	44.4	44.6	45.7

THROTTLE	14.2	14.2	14.3	14.5	14.9	15.5	16.3	17.3	18.4	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
SPEED POINT 1500.0										
LOAD POINT	-13.9	0.0	6.1	12.2	18.3	24.3	30.4	36.5	42.6	48.7
EMISSION RATE	6.4	12.6	14.1	17.6	22.1	27.1	32.1	37.1	42.2	47.5
THROTTLE	14.0	14.0	14.2	14.4	14.7	15.0	15.4	15.8	16.2	16.5
MANIFOLD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
LOAD POINT	54.8	60.9	67.0	73.0	79.1	85.2	91.3	97.4	103.5	109.6
EMISSION RATE	52.8	57.8	61.9	65.0	67.3	69.4	72.0	73.8	73.8	64.2
THROTTLE	16.7	16.9	17.0	17.2	17.3	17.6	17.9	18.3	18.7	19.0
MANIFOLD	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
SPEED POINT 2000.0										
LOAD POINT	-22.6	0.0	6.1	12.2	18.3	24.4	30.5	36.6	42.7	48.8
EMISSION RATE	6.4	13.6	17.1	19.7	23.0	27.9	34.7	43.0	52.1	61.2
THROTTLE	13.6	13.6	13.7	14.0	14.4	14.7	15.0	15.3	15.5	15.8
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	54.8	60.9	67.0	73.1	79.2	85.3	91.4	97.5	103.6	109.7
EMISSION RATE	69.6	77.5	85.3	93.3	100.7	106.1	107.0	103.6	99.6	107.0
THROTTLE	16.0	16.3	16.6	16.8	17.0	17.2	17.3	17.7	18.6	20.7
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6
SPEED POINT 2400.0										
LOAD POINT	-29.6	0.0	6.3	12.5	18.8	25.1	31.4	37.6	43.9	50.2
EMISSION RATE	6.4	21.7	29.1	32.2	35.8	42.1	51.5	63.0	74.7	84.7
THROTTLE	14.2	14.2	14.4	14.6	14.7	14.9	15.2	15.5	15.9	16.1
MANIFOLD	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4
LOAD POINT	56.5	62.7	69.0	75.3	81.6	87.8	94.1	100.4	106.7	112.9
EMISSION RATE	92.6	99.7	108.1	119.5	133.6	143.8	143.8	143.8	133.8	138.2
THROTTLE	16.4	16.5	16.6	16.7	16.8	17.0	17.4	17.9	18.5	19.0
MANIFOLD	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.5
SPEED POINT 3000.0										
LOAD POINT	-40.1	2.0	8.0	14.0	20.0	26.0	32.0	38.0	44.0	50.0
EMISSION RATE	6.4	31.0	37.6	43.8	51.9	63.7	79.8	99.3	119.3	136.5
THROTTLE	14.2	14.2	14.3	14.6	15.0	15.4	15.6	15.8	16.0	16.2
MANIFOLD	0.4	0.4	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4
LOAD POINT	56.0	62.0	68.0	74.0	80.0	85.9	91.9	97.9	103.9	109.9
EMISSION RATE	148.2	154.3	156.7	158.9	163.6	172.6	185.4	197.8	200.6	183.4
THROTTLE	16.4	16.7	17.1	17.4	17.7	18.0	18.1	18.2	18.4	19.0
MANIFOLD	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6
SPEED POINT 3500.0										
LOAD POINT	-48.8	0.0	5.4	10.8	16.3	21.7	27.1	32.5	37.9	43.4
EMISSION RATE	6.4	47.7	59.2	63.3	71.1	86.2	106.7	126.2	137.1	136.4
THROTTLE	14.2	14.2	14.4	14.6	14.8	15.1	15.4	15.8	16.1	16.4
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
LOAD POINT	48.8	54.2	59.6	65.0	70.5	75.9	81.3	86.7	92.1	97.6
EMISSION RATE	128.7	121.4	121.0	131.6	155.4	190.5	224.9	238.2	227.1	229.0
THROTTLE	16.6	16.8	16.9	17.0	17.2	17.5	17.8	18.3	18.7	19.0
MANIFOLD	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5
SPEED POINT 4000.0										
LOAD POINT	-57.5	1.0	5.9	10.9	15.8	20.8	25.8	30.7	35.7	40.6
EMISSION RATE	6.4	65.9	77.6	92.1	106.0	118.2	129.4	141.1	154.9	171.2
THROTTLE	14.2	14.2	14.4	14.6	14.9	15.2	15.5	15.8	16.1	16.3
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
LOAD POINT	45.6	50.5	55.5	60.5	65.4	70.4	75.3	80.3	85.2	90.2
EMISSION RATE	189.4	207.4	222.8	233.7	240.2	244.5	250.3	259.8	263.5	263.5
THROTTLE	16.5	16.6	16.8	16.9	17.1	17.3	17.5	17.9	18.3	19.0
MANIFOLD	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

E.5 1975 MITSUBISHI (CHRYSLER) DIESEL 331 CID (5.43 LITER), F.I.

*ENGINE, DIESEL 1975 MITSU 331.0	F5MJN6 ENGINE	RPM FUEL MAP		TORQUE				LB/HR		
DATA F.I.	3.860	4.720	6	800.	3150.	.4000	.8459			
SPEED POINT	800.0									
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5
FUEL RATE	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
THROTTLE	0.4	0.4	0.5	0.7	0.8	0.9	0.9	1.0	1.0	1.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	5.1	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.6	10.1
FUEL RATE	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
THROTTLE	1.0	0.9	0.8	0.8	0.6	0.5	0.3	0.1	0.0	0.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	900.0									
LOAD POINT	-3.2	0.2	13.1	25.9	38.8	51.6	64.5	77.4	90.2	103.1
FUEL RATE	2.0	2.0	2.8	3.6	4.1	4.6	5.1	5.6	6.2	6.9
THROTTLE	3.1	3.1	3.3	3.4	3.4	3.5	3.6	3.8	4.0	4.2
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	115.9	128.8	141.7	154.5	167.4	180.2	193.1	206.0	218.8	231.7
FUEL RATE	7.8	8.7	9.8	11.0	12.2	13.4	14.5	15.4	16.0	16.2
THROTTLE	4.4	4.5	4.4	4.3	4.1	4.2	4.7	6.8	14.2	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1100.0									
LOAD POINT	-9.6	0.2	13.3	26.5	39.6	52.7	65.8	78.9	92.1	105.2
FUEL RATE	2.0	2.5	3.5	4.4	5.2	5.8	6.5	7.2	7.9	8.6
THROTTLE	5.5	5.5	5.7	6.1	6.4	6.5	6.4	6.2	6.1	6.1
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	118.3	131.4	144.6	157.7	170.8	183.9	197.1	210.2	223.3	236.4
FUEL RATE	9.4	10.3	11.3	12.4	13.6	14.9	16.2	17.7	19.1	20.6
THROTTLE	6.3	6.5	6.8	6.9	6.9	6.7	6.8	8.1	13.7	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1500.0									
LOAD POINT	-22.3	1.0	14.8	28.6	42.4	56.3	70.1	83.9	97.7	111.5
FUEL RATE	2.0	4.3	5.0	6.0	7.1	8.4	9.8	11.1	12.4	13.7
THROTTLE	10.0	10.0	10.2	10.6	10.9	11.0	11.0	11.0	11.1	11.3
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	125.3	139.1	152.9	166.7	180.6	194.4	208.2	222.0	235.8	249.6
FUEL RATE	14.9	16.1	17.3	18.6	20.0	21.6	23.6	26.0	29.0	32.7
THROTTLE	11.7	12.1	12.4	12.4	12.0	11.5	11.4	12.6	18.1	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1800.0									
LOAD POINT	-31.8	1.0	15.0	29.0	43.0	56.9	70.9	84.9	98.9	112.9
FUEL RATE	2.0	5.8	6.6	7.7	9.0	10.4	11.8	13.2	14.5	15.8
THROTTLE	13.6	13.6	13.3	13.5	13.8	14.1	14.2	14.2	14.3	14.4
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	126.8	140.8	154.8	168.8	182.8	196.7	210.7	224.7	238.7	252.7
FUEL RATE	17.0	18.3	19.5	20.9	22.5	24.5	27.0	30.2	34.2	38.5
THROTTLE	14.6	14.9	15.0	15.0	14.9	14.7	15.1	16.9	22.9	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-38.2	0.2	14.3	28.4	42.5	56.6	70.7	84.8	98.9	113.0
FUEL RATE	2.0	7.4	7.8	9.0	10.7	12.7	14.8	16.8	18.7	20.4
THROTTLE	17.4	17.4	19.3	19.2	18.6	18.1	18.0	18.4	19.0	19.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	127.1	141.3	155.4	169.5	183.6	197.7	211.8	225.9	240.0	254.1
FUEL RATE	21.8	23.1	24.2	25.3	26.6	28.2	30.4	33.5	37.8	43.8
THROTTLE	20.2	20.2	19.7	18.9	18.0	17.6	18.1	20.6	27.1	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	2400.0									
LOAD POINT	-50.9	0.2	14.0	27.8	41.6	55.4	69.2	83.0	96.8	110.6
FUEL RATE	2.0	9.0	10.8	12.6	14.4	16.1	17.9	19.7	21.5	23.4
THROTTLE	23.2	23.2	24.6	25.4	25.5	25.2	24.8	24.5	24.4	24.5

MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	124.4	138.2	152.0	165.8	179.6	193.4	207.2	221.0	234.8	248.6
FUEL RATE	25.4	27.5	29.7	32.2	34.9	37.8	41.2	44.9	49.1	53.5
THROTTLE	25.0	25.6	26.1	26.4	26.4	26.1	26.0	27.0	30.9	41.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	2800.0									
LOAD POINT	-63.7	0.2	12.9	25.6	38.3	51.0	63.7	76.4	89.1	101.8
FUEL RATE	2.0	12.9	13.9	15.4	17.3	19.5	21.7	24.1	26.4	28.8
THROTTLE	32.5	32.5	33.5	33.3	32.8	32.5	32.5	32.7	33.2	33.8
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	114.5	127.2	139.9	152.6	165.3	178.0	190.7	203.4	216.1	228.8
FUEL RATE	31.2	33.6	36.0	38.6	41.4	44.5	48.2	52.5	57.7	63.9
THROTTLE	34.3	34.6	34.6	34.4	34.0	33.8	34.0	35.0	37.1	40.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	3150.0									
LOAD POINT	-74.8	0.6	12.4	24.2	35.9	47.7	59.5	71.2	83.0	94.8
FUEL RATE	2.0	15.5	17.1	19.2	21.5	24.0	26.5	29.0	31.4	33.8
THROTTLE	37.5	37.5	39.1	39.3	39.1	38.9	38.9	39.2	39.6	39.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	106.5	118.3	130.0	141.8	153.6	165.3	177.1	188.9	200.6	212.4
FUEL RATE	36.2	38.5	41.0	43.5	46.3	49.5	53.1	57.5	62.8	69.0
THROTTLE	40.2	40.3	40.3	40.1	39.9	39.9	40.1	40.5	40.9	40.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
*ENGINE		C5MJN6		RPM		TORQUE		G/HR(*.1)		
1975 MITSU	331.0	ENGINE	CO	MAP						
DATA	3.860	4.720	6	750.	3150.	.4000	.8459			
SPEED POINT	800.0									
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5
EMISSION RATE	2.9	2.9	3.0	3.1	3.2	3.2	3.3	3.3	3.3	3.3
THRCTTLE	0.4	0.4	0.5	0.7	0.8	0.9	0.9	1.0	1.0	1.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	5.1	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.6	10.1
EMISSION RATE	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.5	2.5
THROTTLE	1.0	0.9	0.8	0.8	0.6	0.5	0.3	0.1	0.0	0.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	900.0									
LOAD PCINT	-3.2	0.2	13.1	25.9	38.8	51.6	64.5	77.4	90.2	103.1
EMISSION RATE	2.9	3.6	3.9	3.6	3.0	2.6	2.3	2.1	2.1	2.2
THRCTTLE	3.1	3.1	3.3	3.4	3.4	3.5	3.6	3.8	4.0	4.2
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	115.9	128.8	141.7	154.5	167.4	180.2	193.1	206.0	218.8	231.7
EMISSION RATE	2.4	2.6	2.7	2.8	2.8	2.9	3.3	4.3	7.7	22.1
THROTTLE	4.4	4.5	4.4	4.3	4.1	4.2	4.7	6.8	14.2	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1100.0									
LOAD PCINT	-9.6	0.2	13.3	26.5	39.6	52.7	65.8	78.9	92.1	105.2
EMISSION RATE	2.9	5.5	7.0	6.1	4.5	3.3	2.6	2.4	2.4	2.7
THRCTTLE	5.5	5.5	5.7	6.1	6.4	6.5	6.4	6.2	6.1	6.1
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	118.3	131.4	144.6	157.7	170.8	183.9	197.1	210.2	223.3	236.4
EMISSION RATE	3.2	3.9	4.4	4.8	4.8	4.6	4.7	5.6	9.8	33.8
THPOTTLE	6.3	6.5	6.8	6.9	6.9	6.7	6.8	8.1	13.7	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1500.0									
LOAD PCINT	-22.3	1.0	14.8	28.6	42.4	56.3	70.1	83.9	97.7	111.5
EMISSION RATE	2.9	7.1	7.0	5.8	4.7	3.8	3.2	2.9	2.9	3.0
THROTTLE	10.0	10.0	10.2	10.6	10.9	11.0	11.0	11.0	11.1	11.3
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD PCINT	125.3	139.1	152.9	166.7	180.6	194.4	208.2	222.0	235.8	249.6
EMISSION RATE	3.2	3.4	3.7	3.9	4.2	4.8	6.1	9.7	22.0	86.6
THROTTLE	11.7	12.1	12.4	12.4	12.0	11.5	11.4	12.6	18.1	40.5

MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 1800.0										
LOAD POINT	-31.8	1.0	15.0	29.0	43.0	56.9	70.9	84.9	98.9	112.9
EMISSION RATE	2.9	8.5	7.5	6.6	5.9	5.5	5.2	5.2	5.2	5.2
THROTTLE	13.6	13.6	13.3	13.5	13.8	14.1	14.2	14.2	14.3	14.4
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	126.8	140.8	154.8	168.8	182.8	196.7	210.7	224.7	238.7	252.7
EMISSION RATE	5.2	5.1	5.0	5.0	5.1	5.8	7.7	13.3	34.6	136.4
THROTTLE	14.6	14.9	15.0	15.0	14.9	14.7	15.1	16.9	22.9	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 2000.0										
LOAD POINT	-38.2	0.2	14.3	28.4	42.5	56.6	70.7	84.8	98.9	113.0
EMISSION RATE	2.9	9.4	8.1	7.1	6.5	6.1	5.9	5.9	5.8	5.8
THROTTLE	17.4	17.4	19.3	19.2	18.6	18.1	18.0	18.4	19.0	19.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	127.1	141.3	155.4	169.5	183.6	197.7	211.8	225.9	240.0	254.1
EMISSION RATE	5.2	5.5	5.4	5.3	5.6	6.5	9.1	16.9	46.7	180.3
THROTTLE	20.2	20.2	19.7	18.9	18.0	17.6	18.1	20.6	27.1	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 2400.0										
LOAD POINT	-50.9	0.2	14.0	27.8	41.6	55.4	69.2	83.0	96.8	110.6
EMISSION RATE	2.9	9.0	7.7	6.6	6.1	6.0	6.2	7.0	8.1	9.5
THROTTLE	23.2	23.2	24.6	25.4	25.5	25.2	24.8	24.5	24.4	24.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	124.4	138.2	152.0	165.8	179.6	193.4	207.2	221.0	234.8	248.6
EMISSION RATE	10.9	12.1	12.8	13.1	13.2	13.8	16.2	24.4	54.3	203.1
THROTTLE	25.0	25.6	26.1	26.4	26.4	26.1	26.0	27.0	30.9	41.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 2800.0										
LOAD POINT	-63.7	0.2	12.9	25.6	38.3	51.0	63.7	76.4	89.1	101.8
EMISSION RATE	2.9	8.9	8.8	7.9	7.2	6.9	7.0	7.7	9.0	10.9
THROTTLE	32.5	32.5	33.5	33.3	32.8	32.5	32.5	32.7	33.2	33.8
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	114.5	127.2	139.9	152.6	165.3	178.0	190.7	203.4	216.1	228.8
EMISSION RATE	13.3	15.8	17.9	19.2	19.9	20.6	22.8	30.1	55.0	169.3
THROTTLE	34.3	34.6	34.6	34.4	34.0	33.8	34.0	35.0	37.1	40.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 3150.0										
LOAD POINT	-74.8	0.6	12.4	24.2	35.9	47.7	59.5	71.2	83.0	94.8
EMISSION RATE	2.9	9.3	11.9	11.8	10.8	10.0	9.9	10.9	13.0	16.4
THROTTLE	37.5	37.5	39.1	39.3	39.1	38.9	38.9	39.2	39.6	39.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	106.5	118.3	130.0	141.8	153.6	165.3	177.1	188.9	200.6	212.4
EMISSION RATE	21.3	27.1	32.6	36.1	36.9	35.8	35.3	39.6	60.0	155.0
THROTTLE	40.2	40.3	40.3	40.1	39.9	39.9	40.1	40.5	40.9	40.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
*ENGINE		H5MJN6		RPM		TORQUE		G/HR		
1975 MITSU 331.0 ENGINE			HC MAP							
DATA	3.860	4.720	6	750.	3150.	.4000	.8459			
SPEED POINT 600.0										
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5
EMISSION RATE	10.8	10.8	10.3	9.8	9.3	8.9	8.5	8.2	7.9	7.6
THROTTLE	0.4	0.4	0.5	0.7	0.8	0.9	0.9	1.0	1.0	1.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	5.1	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.6	10.1
EMISSION RATE	7.4	7.3	7.1	7.1	7.1	7.1	7.1	7.2	7.3	7.5
THROTTLE	1.0	0.9	0.8	0.8	0.6	0.5	0.3	0.1	0.0	0.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 900.0										
LOAD POINT	-3.2	0.2	13.1	25.9	38.8	51.6	64.5	77.4	90.2	103.1
EMISSION RATE	10.8	11.2	9.5	9.0	8.9	9.1	9.2	9.2	9.0	8.7

THROTTLE	3.1	3.1	3.3	3.4	3.4	3.5	3.6	3.8	4.0	4.2
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	115.9	128.8	141.7	154.5	167.4	180.2	193.1	206.0	218.8	231.7
EMISSION RATE	8.3	8.0	7.8	7.9	8.2	8.9	10.1	11.9	14.4	16.4
THROTTLE	4.4	4.5	4.4	4.3	4.1	4.2	4.7	6.8	14.2	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 1100.0										
LOAD POINT	-9.6	0.2	13.3	26.5	39.6	52.7	65.8	78.9	92.1	105.2
EMISSION RATE	10.8	16.6	24.6	24.8	21.0	17.1	14.7	13.8	14.2	15.7
THROTTLE	5.5	5.5	5.7	6.1	6.4	6.5	6.4	6.2	6.1	6.1
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	118.3	131.4	144.6	157.7	170.8	183.9	197.1	210.2	223.3	236.4
EMISSION RATE	17.8	19.8	20.7	19.7	17.0	13.6	10.8	10.7	11.7	24.8
THROTTLE	6.3	6.5	6.8	6.9	6.9	6.7	6.8	8.1	13.7	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 1500.0										
LOAD POINT	-22.3	1.0	14.8	28.6	42.4	56.3	70.1	83.9	97.7	111.5
EMISSION RATE	10.8	12.1	10.3	9.1	8.3	8.1	8.3	8.8	9.6	10.4
THROTTLE	10.0	10.0	10.2	10.6	10.9	11.0	11.0	11.0	11.1	11.3
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	125.3	139.1	152.9	166.7	180.6	194.4	208.2	222.0	235.8	249.6
EMISSION RATE	11.2	11.7	11.7	11.2	10.4	9.5	8.9	9.0	10.5	15.8
THROTTLE	11.7	12.1	12.4	12.4	12.0	11.5	11.4	12.6	18.1	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 1800.0										
LOAD POINT	-31.8	1.0	15.0	29.0	43.0	56.9	70.9	84.9	98.9	112.9
EMISSION RATE	10.8	14.7	11.5	10.0	9.7	9.7	10.3	11.4	12.7	13.9
THROTTLE	13.6	13.6	13.3	13.5	13.8	14.1	14.2	14.2	14.3	14.4
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	126.8	140.8	154.8	168.8	182.8	196.7	210.7	224.7	238.7	252.7
EMISSION RATE	14.8	15.1	14.7	13.8	12.7	11.9	11.8	13.4	18.9	33.1
THROTTLE	14.6	14.9	15.0	15.0	14.9	14.7	15.1	16.9	22.9	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 2000.0										
LOAD POINT	-38.2	0.2	14.3	28.4	42.5	56.6	70.7	84.8	98.9	113.0
EMISSION RATE	10.8	26.2	26.9	25.6	22.9	19.9	17.0	14.7	13.4	13.4
THROTTLE	17.4	17.4	19.3	19.2	18.6	18.1	18.0	18.4	19.0	19.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	127.1	141.3	155.4	169.5	183.6	197.7	211.8	225.9	240.0	254.1
EMISSION RATE	13.4	13.4	13.4	13.9	16.4	20.0	24.8	30.7	36.6	40.1
THROTTLE	20.2	20.2	19.7	18.9	18.0	17.6	18.1	20.6	27.1	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 2400.0										
LOAD POINT	-50.9	0.2	14.0	27.8	41.6	55.4	69.2	83.0	96.8	110.6
EMISSION RATE	10.8	41.7	41.5	41.6	41.9	42.5	43.5	44.7	46.3	48.2
THROTTLE	23.2	23.2	24.6	25.4	25.5	25.2	24.8	24.5	24.4	24.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	124.4	138.2	152.0	165.8	179.6	193.4	207.2	221.0	234.8	248.6
EMISSION RATE	50.5	53.4	57.2	62.3	69.7	80.8	98.6	128.6	183.1	292.0
THROTTLE	25.0	25.6	26.1	26.4	26.4	26.1	26.0	27.0	30.9	41.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 2800.0										
LOAD POINT	-63.7	0.2	12.9	25.6	38.3	51.0	63.7	76.4	89.1	101.8
EMISSION RATE	10.8	73.5	81.7	83.5	82.9	82.8	85.1	91.2	102.0	118.3
THROTTLE	32.5	32.5	33.5	33.3	32.8	32.5	32.5	32.7	33.2	33.8
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	114.5	127.2	139.9	152.6	165.3	178.0	190.7	203.4	216.1	228.8
EMISSION RATE	141.1	170.6	206.5	247.2	290.5	335.0	381.8	438.1	522.2	678.0
THROTTLE	34.3	34.6	34.6	34.4	34.0	33.8	34.0	35.0	37.1	40.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT 3150.0										

LOAD POINT	-74.8	0.6	12.4	24.2	35.9	47.7	59.5	71.2	83.0	94.8
EMISSION RATE	10.8	66.0	87.1	111.0	137.0	164.7	193.3	221.9	249.7	275.9
THROTTLE	37.5	37.5	39.1	39.3	39.1	38.9	38.9	39.2	39.6	39.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	106.5	118.3	130.0	141.8	153.6	165.3	177.1	188.9	200.6	212.4
EMISSION RATE	300.2	322.7	344.6	368.1	396.9	437.1	499.4	603.1	787.3	1142.1
THROTTLE	40.2	40.3	40.3	40.1	39.9	39.9	40.1	40.5	40.9	40.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
*ENGINE		N5MJN6		RPM		TORQUE		G/HR		
1975 MITSU	331.0	ENGINE	NOX	MAP						
DATA	3.860	4.720	6	750.	3150.	4000	8459			
SPEED POINT	800.0									
LOAD POINT	0.0	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5
EMISSION RATE	19.4	19.4	20.1	20.8	21.3	21.9	22.3	22.7	23.0	23.3
THROTTLE	0.4	0.4	0.5	0.7	0.8	0.9	0.9	1.0	1.0	1.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	5.1	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.6	10.1
EMISSION RATE	23.5	23.7	23.7	23.8	23.7	23.7	23.5	23.3	23.0	22.7
THROTTLE	1.0	0.9	0.8	0.8	0.6	0.5	0.3	0.1	0.0	0.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	900.0									
LOAD POINT	-3.2	0.2	13.1	25.9	38.8	51.6	64.5	77.4	90.2	103.1
EMISSION RATE	19.4	21.8	41.1	50.4	54.0	58.1	64.8	73.5	81.8	86.8
THROTTLE	3.1	3.1	3.3	3.4	3.4	3.5	3.6	3.8	4.0	4.2
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	115.9	128.8	141.7	154.5	167.4	180.2	193.1	206.0	218.8	231.7
EMISSION RATE	86.7	82.1	75.2	68.7	64.3	62.3	61.5	58.8	50.4	34.5
THROTTLE	4.4	4.5	4.4	4.3	4.1	4.2	4.7	6.8	14.2	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1100.0									
LOAD POINT	-9.6	0.2	13.3	26.5	39.6	52.7	65.8	78.9	92.1	105.2
EMISSION RATE	19.4	31.0	59.3	72.7	69.8	62.5	58.4	60.2	68.2	81.9
THROTTLE	5.5	5.5	5.7	6.1	6.4	6.5	6.4	6.2	6.1	6.1
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	118.3	131.4	144.6	157.7	170.8	183.9	197.1	210.2	223.3	236.4
EMISSION RATE	98.1	111.2	114.7	110.7	101.7	95.3	95.7	101.2	95.1	51.1
THROTTLE	6.3	6.5	6.8	6.9	6.9	6.7	6.8	8.1	13.7	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1500.0									
LOAD POINT	-22.3	1.0	14.8	28.6	42.4	56.3	70.1	83.9	97.7	111.5
EMISSION RATE	19.4	51.0	79.7	108.5	137.3	165.4	191.2	212.2	226.6	234.2
THROTTLE	10.0	10.0	10.2	10.6	10.9	11.0	11.0	11.0	11.1	11.3
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	125.3	139.1	152.9	166.7	180.6	194.4	208.2	222.0	235.8	249.6
EMISSION RATE	236.6	236.2	235.4	235.0	234.0	229.4	216.9	193.7	161.6	128.1
THROTTLE	11.7	12.1	12.4	12.4	12.0	11.5	11.4	12.6	18.1	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	1800.0									
LOAD POINT	-31.8	1.0	15.0	29.0	43.0	56.9	70.9	84.9	98.9	112.9
EMISSION RATE	19.4	63.4	89.5	130.3	174.0	210.7	239.0	263.7	289.1	315.1
THROTTLE	13.6	13.6	13.3	13.5	13.8	14.1	14.2	14.2	14.3	14.4
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	126.8	140.8	154.8	168.8	182.8	196.7	210.7	224.7	238.7	252.7
EMISSION RATE	329.4	329.4	329.4	304.3	272.3	248.2	239.4	242.3	229.1	147.3
THROTTLE	14.6	14.9	15.0	15.0	14.9	14.7	15.1	16.9	22.9	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	2000.0									
LOAD POINT	-38.2	0.2	14.3	28.4	42.5	56.6	70.7	84.8	98.9	113.0
EMISSION RATE	19.4	66.6	127.2	152.1	163.8	183.9	219.4	267.3	315.3	320.5
THROTTLE	17.4	17.4	19.3	19.2	18.6	18.1	18.0	18.4	19.0	19.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LOAD POINT	127.1	141.3	155.4	169.5	183.6	197.7	211.8	225.9	240.0	254.1
EMISSION RATE	320.5	320.5	304.0	280.5	269.0	270.2	277.5	275.1	243.4	177.9
THROTTLE	20.2	20.2	19.7	18.9	18.0	17.6	18.1	20.6	27.1	40.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	2400.0									
LOAD POINT	-50.9	0.2	14.0	27.8	41.6	55.4	69.2	83.0	96.8	110.6
EMISSION RATE	19.4	101.8	154.4	192.7	220.5	245.1	271.5	301.1	332.5	361.8
THROTTLE	23.2	23.2	24.6	25.4	25.5	25.2	24.8	24.5	24.4	24.5
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	124.4	138.2	152.0	165.8	179.6	193.4	207.2	221.0	234.8	248.6
EMISSION RATE	385.1	399.1	402.0	398.0	387.3	373.1	355.7	332.1	296.1	240.9
THROTTLE	25.0	25.6	26.1	26.4	26.4	26.1	26.0	27.0	30.9	41.0
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	2800.0									
LOAD POINT	-63.7	0.2	12.9	25.6	38.3	51.0	63.7	76.4	89.1	101.8
EMISSION RATE	19.4	169.9	213.6	249.2	279.1	307.8	339.2	374.9	413.9	451.9
THROTTLE	32.5	32.5	33.5	33.3	32.8	32.5	32.5	32.7	33.2	33.8
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	114.5	127.2	139.9	152.6	165.3	178.0	190.7	203.4	216.1	228.8
EMISSION RATE	482.8	500.8	503.6	493.7	477.3	461.3	448.7	433.6	395.5	303.6
THROTTLE	34.3	34.6	34.6	34.4	34.0	33.8	34.0	35.0	37.1	40.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPEED POINT	3150.0									
LOAD POINT	-74.8	0.6	12.4	24.2	35.9	47.7	59.5	71.2	83.0	94.8
EMISSION RATE	19.4	192.6	224.0	266.4	310.6	349.8	381.2	405.8	426.1	445.0
THROTTLE	37.5	37.5	39.1	39.3	39.1	38.9	38.9	39.2	39.6	39.9
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOAD POINT	106.5	118.3	130.0	141.8	153.6	165.3	177.1	188.9	200.6	212.4
EMISSION RATE	463.7	481.9	497.5	507.1	507.2	495.5	471.6	436.8	393.3	342.3
THROTTLE	40.2	40.3	40.3	40.1	39.9	39.9	40.1	40.5	40.9	40.7
MANIFOLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



E.6 1975 NISSAN (DATSUN) 119 CID (1.95 LITER), 2 BBL

*ENGINE	F5DFB6	RPM	TORQUE		LB/HR						
1975 DATSU	119.1 ENGINE	FUEL MAP	4.	650.	5600.	.0700	.7157				
DATA 2 BBL	3.350	3.390									
SPEED POINT	650.0										
LOAD POINT	0.0	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	
FUEL RATE	1.4	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	17.2	17.2	17.2	17.2	17.2	17.2	17.1	17.1	17.0	16.9	
LOAD POINT	5.6	6.0	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3	
FUEL RATE	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANIFOLD	16.9	16.8	16.7	16.5	16.4	16.3	16.1	16.0	15.8	15.6	
SPEED POINT	900.0										
LOAD POINT	-1.8	0.0	4.3	8.7	13.0	17.3	21.7	26.0	30.3	34.7	
FUEL RATE	1.4	2.0	2.1	2.3	2.5	2.8	3.1	3.4	3.6	3.8	
THROTTLE	6.0	6.0	6.5	7.3	8.1	8.9	9.5	10.1	10.8	11.8	
MANIFOLD	17.6	17.6	16.1	15.1	14.2	13.4	12.5	11.4	10.2	8.9	
LOAD POINT	39.0	43.3	47.6	52.0	56.3	60.6	65.0	69.3	73.6	78.0	
FUEL RATE	4.0	4.2	4.3	4.5	4.7	5.0	5.4	5.9	6.7	7.7	
THROTTLE	13.1	14.8	16.5	18.1	19.2	19.7	20.2	22.3	30.2	62.9	
MANIFOLD	7.6	6.4	5.3	4.3	3.6	3.1	2.7	2.4	1.9	1.0	
SPEED POINT	1500.0										
LOAD POINT	-6.1	0.0	4.7	9.4	14.0	18.7	23.4	28.1	32.8	37.5	
FUEL RATE	1.4	3.6	3.5	3.7	4.0	4.4	4.9	5.4	5.9	6.4	
THROTTLE	10.0	10.0	10.6	11.2	11.7	12.1	12.7	13.6	14.8	16.7	
MANIFOLD	18.2	18.2	17.2	16.7	16.3	15.7	14.9	13.7	12.2	10.5	
LOAD POINT	42.1	46.8	51.5	56.2	60.9	65.5	70.2	74.9	79.6	84.3	
FUEL RATE	6.8	7.3	7.7	8.2	8.7	9.2	9.9	10.7	11.7	13.0	
THROTTLE	19.0	21.8	24.8	27.3	29.0	29.7	30.1	31.8	38.7	63.0	
MANIFOLD	8.7	7.0	5.5	4.3	3.5	3.0	2.8	2.6	2.2	1.0	
SPEED POINT	2000.0										
LOAD POINT	-9.6	0.0	4.9	9.8	14.8	19.7	24.6	29.5	34.4	39.4	
FUEL RATE	1.4	4.1	4.4	4.9	5.5	6.1	6.8	7.5	8.1	8.8	
THROTTLE	12.0	12.0	12.7	13.3	14.2	15.4	16.9	18.7	20.7	22.8	
MANIFOLD	18.9	18.9	18.4	17.7	16.6	15.3	13.8	12.2	10.6	9.0	
LOAD POINT	44.3	49.2	54.1	59.0	64.0	68.9	73.8	78.7	83.7	88.6	
FUEL RATE	9.4	10.0	10.7	11.3	12.0	12.8	13.7	14.7	16.0	17.4	
THROTTLE	24.8	26.6	28.5	30.5	32.9	36.3	41.1	47.6	55.5	63.0	
MANIFOLD	7.5	6.1	5.0	4.1	3.4	2.9	2.6	2.2	1.7	1.0	
SPEED POINT	2500.0										
LOAD POINT	-13.2	4.4	9.1	13.8	18.4	23.1	27.8	32.4	37.1	41.8	
FUEL RATE	1.4	5.8	6.3	6.9	7.5	8.2	8.9	9.7	10.6	11.5	
THROTTLE	16.0	16.0	17.3	18.7	20.4	22.1	24.1	26.1	28.4	30.8	
MANIFOLD	18.5	18.5	17.0	15.3	13.8	12.3	10.9	9.6	8.4	7.3	
LOAD POINT	46.4	51.1	55.8	60.4	65.1	69.8	74.4	79.1	83.8	88.4	
FUEL RATE	12.4	13.4	14.5	15.6	16.7	18.0	19.2	20.5	21.9	23.4	
THROTTLE	33.3	36.0	38.8	41.8	45.0	48.3	51.7	55.3	59.1	63.0	
MANIFOLD	6.3	5.3	4.5	3.7	3.0	2.4	1.9	1.5	1.2	1.0	
SPEED POINT	3600.0										
LOAD POINT	-21.0	18.8	23.0	27.1	31.3	35.4	39.6	43.8	47.9	52.1	
FUEL RATE	1.4	12.7	12.9	13.3	13.8	14.4	15.0	15.9	16.8	17.8	
THROTTLE	21.0	21.0	22.7	24.4	26.3	28.2	30.2	32.2	34.4	36.6	
MANIFOLD	14.4	14.4	13.3	12.3	11.3	10.3	9.4	8.5	7.6	6.8	
LOAD POINT	56.2	60.4	64.5	68.7	72.9	77.0	81.2	85.3	89.5	93.6	
FUEL RATE	18.9	20.2	21.6	23.1	24.6	26.4	28.2	30.1	32.1	34.3	
THROTTLE	38.9	41.3	43.7	46.2	48.8	51.5	54.3	57.1	60.0	63.0	
MANIFOLD	6.0	5.3	4.6	3.9	3.3	2.7	2.2	1.7	1.2	0.8	
SPEED POINT	4500.0										
LOAD POINT	-27.4	18.0	22.0	25.9	29.9	33.9	37.9	41.8	45.8	49.8	
FUEL RATE	1.4	13.3	13.8	14.5	15.2	16.1	17.1	18.2	19.4	20.7	
THROTTLE	25.5	25.5	26.7	28.0	29.3	30.8	32.4	34.2	36.0	37.9	

MANIFOLD	14.4	14.4	13.6	12.8	12.0	11.2	10.5	9.8	9.0	8.3
LOAD PCINT	53.7	57.7	61.7	65.6	69.6	73.6	77.6	81.5	85.5	89.5
FUEL RATE	22.1	23.7	25.4	27.2	29.1	31.1	33.2	35.5	37.8	40.3
THROTTLE	39.9	42.1	44.3	46.7	49.1	51.7	54.3	57.1	60.0	63.0
MANIFOLD	7.6	6.9	6.3	5.6	5.0	4.4	3.7	3.2	2.6	2.0
SPEED POINT	5600.0									
LOAD POINT	-35.2	13.7	16.6	19.5	22.5	25.4	28.3	31.2	34.2	37.1
FUEL RATE	1.4	17.8	19.1	20.3	21.6	23.0	24.3	25.7	27.1	28.5
THROTTLE	32.0	32.0	33.9	35.7	37.6	39.4	41.2	43.0	44.8	46.5
MANIFOLD	14.0	14.0	13.1	12.2	11.3	10.5	9.7	8.9	8.2	7.6
LOAD PCINT	40.0	43.0	45.9	48.8	51.7	54.7	57.6	60.5	63.4	66.4
FUEL RATE	29.9	31.4	32.9	34.4	35.9	37.5	39.0	40.6	42.3	43.9
THROTTLE	48.2	50.0	51.7	53.3	55.0	56.6	58.2	59.8	61.4	63.0
MANIFOLD	6.9	6.3	5.8	5.3	4.8	4.4	4.0	3.6	3.3	3.0
*ENGINE		C5DFB6		RPM		TORQUE		G/HR(*.1)		
1975 DATSU	119.1	ENGINE	CO	MAP						
DATA	3.350	3.390	4.	650.	5600.	.0700	.7157			
SPEED POINT	650.0									
LOAD POINT	0.0	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2
EMISSION RATE	1.0	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.2	17.2	17.2	17.2	17.2	17.2	17.1	17.1	17.0	16.9
LOAD POINT	5.6	6.0	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3
EMISSION RATE	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.0	0.9
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.9	16.8	16.7	16.5	16.4	16.3	16.1	16.0	15.8	15.6
SPEED POINT	900.0									
LOAD POINT	-1.8	0.0	4.3	8.7	13.0	17.3	21.7	26.0	30.3	34.7
EMISSION RATE	1.0	1.7	1.9	2.2	2.5	2.9	3.0	3.1	2.9	2.7
THROTTLE	6.3	6.0	6.5	7.3	8.1	8.9	9.5	10.1	10.8	11.8
MANIFOLD	17.6	17.6	16.1	15.1	14.2	13.4	12.5	11.4	10.2	8.9
LOAD POINT	39.0	43.3	47.6	52.0	56.3	60.0	65.0	69.3	73.6	78.0
EMISSION RATE	2.5	2.3	2.3	2.6	3.3	5.0	9.4	22.2	67.3	264.4
THROTTLE	13.1	14.8	16.5	18.1	19.2	19.7	20.2	22.3	30.2	62.9
MANIFOLD	7.6	6.4	5.3	4.3	3.6	3.1	2.7	2.4	1.9	1.0
SPEED POINT	1500.0									
LOAD POINT	-6.1	0.0	4.7	9.4	14.0	18.7	23.4	28.1	32.8	37.5
EMISSION RATE	1.0	5.1	4.9	5.0	5.2	5.4	5.5	5.5	5.5	5.7
THROTTLE	10.0	10.0	10.6	11.2	11.7	12.1	12.7	13.6	14.8	16.7
MANIFOLD	18.2	18.2	17.2	16.7	16.3	15.7	14.9	13.7	12.2	10.5
LOAD POINT	42.1	46.8	51.5	56.2	60.9	65.5	70.2	74.9	79.6	84.3
EMISSION RATE	6.1	6.9	8.6	11.7	17.9	30.3	56.6	112.5	227.2	428.6
THROTTLE	19.0	21.8	24.8	27.3	29.0	29.7	30.1	31.8	38.7	63.0
MANIFOLD	3.7	7.0	5.5	4.3	3.5	3.0	2.8	2.6	2.2	1.0
SPEED POINT	2000.0									
LOAD POINT	-9.6	0.0	4.9	9.8	14.8	19.7	24.6	29.5	34.4	39.4
EMISSION RATE	1.0	6.9	6.7	7.9	9.9	12.0	13.4	13.6	12.8	11.7
THROTTLE	12.0	12.0	12.7	13.3	14.2	15.4	16.9	18.7	20.7	22.8
MANIFOLD	18.9	18.9	18.4	17.7	16.6	15.3	13.8	12.2	10.6	9.0
LOAD POINT	44.3	49.2	54.1	59.0	64.0	68.9	73.8	78.7	83.7	88.6
EMISSION RATE	10.7	10.4	11.3	14.2	21.2	37.0	72.7	147.7	272.0	349.8
THROTTLE	24.8	26.6	28.5	30.5	32.9	36.3	41.1	47.6	55.5	63.0
MANIFOLD	7.5	6.1	5.0	4.1	3.4	2.9	2.6	2.2	1.7	1.0
SPEED POINT	2500.0									
LOAD POINT	-13.2	4.4	9.1	13.8	18.4	23.1	27.8	32.4	37.1	41.8
EMISSION RATE	1.0	49.1	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
THROTTLE	16.0	16.0	17.3	18.7	20.4	22.1	24.1	26.1	28.4	30.8
MANIFOLD	18.5	18.5	17.0	15.3	13.8	12.3	10.9	9.6	8.4	7.3
LOAD POINT	46.4	51.1	55.8	60.4	65.1	69.8	74.4	79.1	83.8	88.4
EMISSION RATE	8.7	35.5	88.0	150.2	222.2	304.0	395.6	497.0	608.2	729.1
THROTTLE	33.3	36.0	38.8	41.8	45.0	48.3	51.7	55.3	59.1	63.0

MANIFOLD	6.3	5.3	4.5	3.7	3.0	2.4	1.9	1.5	1.2	1.0
SPEED POINT 3600.0										
LOAD POINT	-21.0	18.8	23.0	27.1	31.3	35.4	39.6	43.8	47.9	52.1
EMISSION RATE	1.0	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
THROTTLE	21.0	21.0	22.7	24.4	26.3	28.2	30.2	32.2	34.4	36.6
MANIFOLD	14.4	14.4	13.3	12.3	11.3	10.3	9.4	8.5	7.6	6.8
LOAD POINT	56.2	60.4	64.5	68.7	72.9	77.0	81.2	85.3	89.5	93.6
EMISSION RATE	22.9	94.2	181.8	283.9	400.7	532.1	678.2	838.8	1014.1	1204.0
THROTTLE	38.9	41.3	43.7	46.2	48.8	51.5	54.3	57.1	60.0	63.0
MANIFOLD	6.0	5.3	4.6	3.9	3.3	2.7	2.2	1.7	1.2	0.8
SPEED POINT 4500.0										
LOAD POINT	-27.4	18.0	22.0	25.9	29.9	33.9	37.9	41.8	45.8	49.8
EMISSION RATE	1.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
THROTTLE	25.5	25.5	26.7	28.0	29.3	30.8	32.4	34.2	36.0	37.9
MANIFOLD	14.4	14.4	13.6	12.8	12.0	11.2	10.5	9.8	9.0	8.3
LOAD POINT	53.7	57.7	61.7	65.6	69.6	73.6	77.6	81.5	85.5	89.5
EMISSION RATE	40.1	135.7	250.1	383.3	535.2	705.9	895.3	1103.4	1330.3	1576.0
THROTTLE	39.9	42.1	44.3	46.7	49.1	51.7	54.3	57.1	60.0	63.0
MANIFOLD	7.6	6.9	6.3	5.6	5.0	4.4	3.7	3.2	2.6	2.0
SPEED POINT 5600.0										
LOAD POINT	-35.2	13.7	16.6	19.5	22.5	25.4	28.3	31.2	34.2	37.1
EMISSION RATE	1.0	26.1	26.1	26.1	32.9	45.3	62.7	85.2	112.8	145.4
THROTTLE	32.0	32.0	33.9	35.7	37.6	39.4	41.2	43.0	44.8	46.5
MANIFOLD	14.0	14.0	13.1	12.2	11.3	10.5	9.7	8.9	8.2	7.6
LOAD POINT	40.0	43.0	45.9	48.8	51.7	54.7	57.6	60.5	63.4	66.4
EMISSION RATE	183.1	225.9	273.7	326.5	384.4	447.4	515.4	588.5	666.7	749.9
THROTTLE	48.2	50.0	51.7	53.3	55.0	56.6	58.2	59.8	61.4	63.0
MANIFOLD	6.9	6.3	5.8	5.3	4.8	4.4	4.0	3.6	3.3	3.0
*ENGINE	H5DFB6		RPM		TCR	UE		G/HR		
1975 DATSU	119.1	ENGINE	HC	MAP						
DATA	3.350	3.390	4.	650.	5600.	.0700	.7157			
SPEED POINT 650.0										
LOAD POINT	0.0	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2
EMISSION RATE	10.4	10.4	10.9	11.4	11.8	12.2	12.5	12.8	13.1	13.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.2	17.2	17.2	17.2	17.2	17.2	17.1	17.1	17.0	16.9
LOAD POINT	5.6	6.0	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3
EMISSION RATE	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.9	16.8	16.7	16.5	16.4	16.3	16.1	16.0	15.8	15.6
SPEED POINT 900.0										
LOAD POINT	-1.8	0.0	4.3	8.7	13.0	17.3	21.7	26.0	30.3	34.7
EMISSION RATE	10.4	7.6	8.6	9.8	11.2	12.8	14.6	16.4	18.3	20.1
THROTTLE	6.0	6.0	6.5	7.3	8.1	8.9	9.5	10.1	10.8	11.8
MANIFOLD	17.6	17.6	16.1	15.1	14.2	13.4	12.5	11.4	10.2	8.9
LOAD POINT	39.0	43.3	47.6	52.0	56.3	60.6	65.0	69.3	73.6	78.0
EMISSION RATE	21.8	23.3	24.6	26.0	27.6	29.9	33.8	40.6	53.5	80.1
THROTTLE	13.1	14.8	16.5	18.1	19.2	19.7	20.2	22.3	30.2	62.9
MANIFOLD	7.6	6.4	5.3	4.3	3.6	3.1	2.7	2.4	1.9	1.0
SPEED POINT 1500.0										
LOAD POINT	-6.1	0.0	4.7	9.4	14.0	18.7	23.4	28.1	32.8	37.5
EMISSION RATE	10.4	5.7	6.4	8.3	11.1	14.5	17.9	20.7	22.2	22.6
THROTTLE	10.0	10.0	10.6	11.2	11.7	12.1	12.7	13.6	14.8	16.7
MANIFOLD	18.2	18.2	17.2	16.7	16.3	15.7	14.9	13.7	12.2	10.5
LOAD POINT	42.1	46.8	51.5	56.2	60.9	65.5	70.2	74.9	79.6	84.3
EMISSION RATE	22.3	21.9	21.9	23.0	25.7	30.9	39.6	52.9	70.1	86.0
THROTTLE	19.0	21.8	24.8	27.3	29.0	29.7	30.1	31.8	38.7	63.0
MANIFOLD	8.7	7.0	5.5	4.3	3.5	3.0	2.8	2.6	2.2	1.0
SPEED POINT 2000.0										
LOAD POINT	-9.6	0.0	4.9	9.8	14.8	19.7	24.6	29.5	34.4	39.4
EMISSION RATE	10.4	6.1	7.5	10.1	13.9	18.0	21.3	23.0	22.9	21.5

THROTTLE	12.0	12.0	12.7	13.3	14.2	15.4	16.9	18.7	20.7	22.8
MANIFOLD	18.9	18.9	18.4	17.7	16.6	15.3	13.8	12.2	10.6	9.0
LOAD POINT	44.3	49.2	54.1	59.0	64.0	68.9	73.8	78.7	83.7	88.6
EMISSION RATE	19.8	18.4	18.1	19.0	21.9	27.1	35.0	44.2	46.4	41.9
THROTTLE	24.8	26.6	28.5	30.5	32.9	36.3	41.1	47.6	55.5	63.0
MANIFOLD	7.5	6.1	5.0	4.1	3.4	2.9	2.6	2.2	1.7	1.0
SPEED POINT 2500.0										
LOAD POINT	-13.2	4.4	9.1	13.8	18.4	23.1	27.8	32.4	37.1	41.8
EMISSION RATE	10.4	11.3	8.7	7.2	7.2	7.2	7.2	7.3	9.3	12.0
THROTTLE	16.0	16.0	17.3	18.7	20.4	22.1	24.1	26.1	28.4	30.8
MANIFOLD	18.5	18.5	17.0	15.3	13.8	12.3	10.9	9.6	8.4	7.3
LOAD POINT	46.4	51.1	55.8	60.4	65.1	69.8	74.4	79.1	83.8	88.4
EMISSION RATE	15.5	19.7	24.7	30.5	37.0	44.3	52.3	61.0	70.6	80.8
THROTTLE	33.3	36.0	38.8	41.8	45.0	48.3	51.7	55.3	59.1	63.0
MANIFOLD	6.3	5.3	4.5	3.7	3.0	2.4	1.9	1.5	1.2	1.0
SPEED POINT 3600.0										
LOAD POINT	-21.0	18.8	23.0	27.1	31.3	35.4	39.6	43.8	47.9	52.1
EMISSION RATE	10.4	16.3	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
THROTTLE	21.0	21.0	22.7	24.4	26.3	28.2	30.2	32.2	34.4	36.6
MANIFOLD	14.4	14.4	13.3	12.3	11.3	10.3	9.4	8.5	7.6	6.8
LOAD POINT	56.2	60.4	64.5	68.7	72.9	77.0	81.2	85.3	89.5	93.6
EMISSION RATE	13.0	20.5	30.0	41.0	53.8	68.2	84.2	101.8	121.2	142.1
THROTTLE	38.9	41.3	43.7	46.2	48.8	51.5	54.3	57.1	60.0	63.0
MANIFOLD	6.0	5.3	4.6	3.9	3.3	2.7	2.2	1.7	1.2	0.8
SPEED POINT 4500.0										
LOAD POINT	-27.4	18.0	22.0	25.9	29.9	33.9	37.9	41.8	45.8	49.8
EMISSION RATE	10.4	11.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
THROTTLE	25.5	25.5	26.7	28.0	29.3	30.8	32.4	34.2	36.0	37.9
MANIFOLD	14.4	14.4	13.6	12.8	12.0	11.2	10.5	9.8	9.0	8.3
LOAD POINT	53.7	57.7	61.7	65.6	69.6	73.6	77.6	81.5	85.5	89.5
EMISSION RATE	6.3	18.9	34.6	53.0	74.1	97.9	124.4	153.6	185.6	220.2
THROTTLE	39.9	42.1	44.3	46.7	49.1	51.7	54.3	57.1	60.0	63.0
MANIFOLD	7.6	6.9	6.3	5.6	5.0	4.4	3.7	3.2	2.6	2.0
SPEED POINT 5600.0										
LOAD POINT	-35.2	13.7	16.6	19.5	22.5	25.4	28.3	31.2	34.2	37.1
EMISSION RATE	10.4	3.8	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
THROTTLE	32.0	32.0	33.9	35.7	37.6	39.4	41.2	43.0	44.8	46.5
MANIFOLD	14.0	14.0	13.1	12.2	11.3	10.5	9.7	8.9	8.2	7.6
LOAD POINT	40.0	43.0	45.9	48.8	51.7	54.7	57.6	60.5	63.4	66.4
EMISSION RATE	3.3	5.8	16.4	28.9	43.2	59.5	77.6	97.7	119.6	143.4
THROTTLE	48.2	50.0	51.7	53.3	55.0	56.6	58.2	59.8	61.4	63.0
MANIFOLD	6.9	6.3	5.8	5.3	4.8	4.4	4.0	3.6	3.3	3.0
*ENGINE		N5DFB6		RPM		TORQUE		G/HR		
1975 DATSU	119.1	ENGINE	NOX	MAP						
DATA	3.350	3.390	4.	650.	5600.	0700	07157			
SPEED POINT 650.0										
LOAD POINT	0.0	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2
EMISSION RATE	0.8	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	17.2	17.2	17.2	17.2	17.2	17.1	17.1	17.0	16.9	16.9
LOAD POINT	5.6	6.0	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3
EMISSION RATE	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9	2.0
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	16.9	16.8	16.7	16.5	16.4	16.3	16.1	16.0	15.8	15.6
SPEED POINT 900.0										
LOAD POINT	-1.8	0.0	4.3	8.7	13.0	17.3	21.7	26.0	30.3	34.7
EMISSION RATE	0.8	1.4	1.7	3.2	5.7	8.8	11.7	14.7	18.7	25.0
THROTTLE	6.0	6.0	6.5	7.3	8.1	8.9	9.5	10.1	10.8	11.8
MANIFOLD	17.6	17.6	16.1	15.1	14.2	13.4	12.5	11.4	10.2	8.9
LOAD POINT	39.0	43.3	47.6	52.0	56.3	60.6	65.0	69.3	73.6	78.0
EMISSION RATE	34.8	48.7	65.8	83.7	100.7	117.2	132.3	132.3	88.5	19.4

THROTTLE	13.1	14.8	16.5	18.1	19.2	19.7	20.2	22.3	30.2	62.9
MANIFOLD	7.6	6.4	5.3	4.3	3.6	3.1	2.7	2.4	1.9	1.0
SPEED POINT 1500.0										
LOAD POINT	-6.1	0.0	4.7	9.4	14.0	18.7	23.4	28.1	32.8	37.5
EMISSION RATE	0.8	4.5	6.0	8.3	12.8	20.7	32.8	48.5	64.9	79.6
THROTTLE	10.0	10.0	10.6	11.2	11.7	12.1	12.7	13.6	14.8	16.7
MANIFOLD	18.2	18.2	17.2	16.7	16.3	15.7	14.9	13.7	12.2	10.5
LOAD POINT	42.1	46.8	51.5	56.2	60.9	65.5	70.2	74.9	79.6	84.3
EMISSION RATE	92.3	105.8	123.7	148.5	177.2	196.3	184.9	137.9	82.1	46.5
THROTTLE	19.0	21.8	24.8	27.3	29.0	29.7	30.1	31.8	38.7	63.0
MANIFOLD	8.7	7.0	5.5	4.3	3.5	3.0	2.8	2.6	2.2	1.0
SPEED POINT 2000.0										
LOAD POINT	-9.6	0.0	4.9	9.8	14.8	19.7	24.6	29.5	34.4	39.4
EMISSION RATE	0.8	7.1	10.4	18.4	31.4	46.9	60.1	68.6	73.9	79.9
THROTTLE	12.0	12.0	12.7	13.3	14.2	15.4	16.9	18.7	20.7	22.8
MANIFOLD	18.9	18.9	18.4	17.7	16.6	15.3	13.8	12.2	10.6	9.0
LOAD POINT	44.3	49.2	54.1	59.0	64.0	68.9	73.8	78.7	83.7	88.6
EMISSION RATE	90.8	110.8	143.7	189.8	239.8	269.1	253.2	197.0	135.9	101.7
THROTTLE	24.8	26.6	28.5	30.5	32.9	36.3	41.1	47.6	55.5	63.0
MANIFOLD	7.5	6.1	5.0	4.1	3.4	2.9	2.6	2.2	1.7	1.0
SPEED POINT 2500.0										
LOAD POINT	-13.2	4.4	9.1	13.8	18.4	23.1	27.8	32.4	37.1	41.8
EMISSION RATE	0.8	17.6	27.1	50.3	70.9	88.9	104.2	117.0	127.1	134.7
THROTTLE	16.0	16.0	17.3	18.7	20.4	22.1	24.1	26.1	28.4	30.8
MANIFOLD	18.5	18.5	17.0	15.3	13.8	12.3	10.9	9.6	8.4	7.3
LOAD POINT	46.4	51.1	55.8	60.4	65.1	69.8	74.4	79.1	83.8	88.4
EMISSION RATE	139.6	141.9	141.5	138.6	133.1	124.9	114.2	100.8	84.8	66.2
THROTTLE	33.3	36.0	38.8	41.8	45.0	48.3	51.7	55.3	59.1	63.0
MANIFOLD	6.3	5.3	4.5	3.7	3.0	2.4	1.9	1.5	1.2	1.0
SPEED POINT 3600.0										
LOAD POINT	-21.0	18.8	23.0	27.1	31.3	35.4	39.6	43.8	47.9	52.1
EMISSION RATE	0.8	121.6	179.8	231.5	276.7	315.5	347.8	373.7	393.1	406.1
THROTTLE	21.0	21.0	22.7	24.4	26.3	28.2	30.2	32.2	34.4	36.6
MANIFOLD	14.4	14.4	13.3	12.3	11.3	10.3	9.4	8.5	7.6	6.8
LOAD POINT	56.2	60.4	64.5	68.7	72.9	77.0	81.2	85.3	89.5	93.6
EMISSION RATE	412.6	412.6	406.2	393.3	374.0	348.3	316.0	277.3	232.2	180.6
THROTTLE	38.9	41.3	43.7	46.2	48.8	51.5	54.3	57.1	60.0	63.0
MANIFOLD	6.0	5.3	4.6	3.9	3.3	2.7	2.2	1.7	1.2	0.8
SPEED POINT 4500.0										
LOAD POINT	-27.4	18.0	22.0	25.9	29.9	33.9	37.9	41.8	45.8	49.8
EMISSION RATE	0.8	166.1	264.6	350.6	424.0	484.8	533.1	568.8	591.9	600.2
THROTTLE	25.5	25.5	26.7	28.0	29.3	30.8	32.4	34.2	36.0	37.9
MANIFOLD	14.4	14.4	13.6	12.8	12.0	11.2	10.5	9.8	9.0	8.3
LOAD POINT	53.7	57.7	61.7	65.6	69.6	73.6	77.6	81.5	85.5	89.5
EMISSION RATE	600.2	565.9	558.8	519.1	466.9	402.1	324.7	234.7	132.2	17.1
THROTTLE	39.9	42.1	44.3	46.7	49.1	51.7	54.3	57.1	60.0	63.0
MANIFOLD	7.6	6.9	6.3	5.6	5.0	4.4	3.7	3.2	2.6	2.0
SPEED POINT 5600.0										
LOAD POINT	-35.2	13.7	16.6	19.5	22.5	25.4	28.3	31.2	34.2	37.1
EMISSION RATE	0.8	226.4	272.5	315.8	356.3	394.1	429.1	461.3	490.7	517.3
THROTTLE	32.0	32.0	33.9	35.7	37.6	39.4	41.2	43.0	44.8	46.5
MANIFOLD	14.0	14.0	13.1	12.2	11.3	10.5	9.7	8.9	8.2	7.6
LOAD POINT	40.0	43.0	45.9	48.8	51.7	54.7	57.6	60.5	63.4	66.4
EMISSION RATE	541.2	562.3	580.6	596.1	608.9	618.8	626.0	630.4	630.9	630.9
THROTTLE	48.2	50.0	51.7	53.3	55.0	56.6	58.2	59.8	61.4	63.0
MANIFOLD	6.9	6.3	5.8	5.3	4.8	4.4	4.0	3.6	3.3	3.0

E.7 1975 NISSAN (DATSUN) DIESEL 198 CID (3.25 LITER), F.I.

*ENGINE, DIESEL	F5NJN6	RPM		TORQUE		LB/HR				
1975 NISSA	198.0	ENGINE	FUEL	MAP						
DATA F.I.	3.27J	3.940	6	550.	3800.	.4140	.8500			
SPEED POINT	550.0									
LOAD PCINT	0.0	11.5	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
FUEL RATE	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0
THROTTLE	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8
MANIFOLD	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	13.8	14.1	14.4	14.6	14.9	15.2	15.4	15.7	16.0	16.2
FUEL RATE	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
THROTTLE	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.1	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
SPEED POINT	650.0									
LOAD PCINT	-1.6	0.0	4.2	8.4	12.7	16.9	21.1	25.3	29.5	33.8
FUEL RATE	1.2	1.0	1.1	1.2	1.3	1.5	1.7	1.9	2.1	2.4
THROTTLE	1.1	1.1	1.0	2.4	3.1	3.8	4.4	5.1	5.7	6.3
MANIFOLD	*****									
LOAD POINT	38.0	42.2	46.4	50.6	54.9	59.1	63.3	67.5	71.7	76.0
FUEL RATE	2.6	2.8	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.3
THROTTLE	6.9	7.5	8.1	8.7	9.3	9.8	10.4	10.9	11.4	11.9
MANIFOLD	*****									
SPEED POINT	1000.0									
LOAD PCINT	-7.3	1.1	8.7	16.4	24.1	31.7	39.4	47.1	54.8	62.4
FUEL RATE	1.2	1.6	2.0	2.5	3.0	3.5	3.9	4.4	4.8	5.3
THROTTLE	11.2	11.2	11.3	12.1	13.0	14.0	14.8	15.6	16.3	17.2
MANIFOLD	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
LOAD PCINT	70.1	77.8	85.5	93.1	100.8	108.5	116.2	123.8	131.5	139.2
FUEL RATE	5.8	6.2	6.7	7.3	7.9	8.6	9.5	10.4	11.6	13.0
THROTTLE	18.1	19.3	20.6	22.0	23.3	24.5	25.5	27.0	30.0	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7
SPEED POINT	1600.0									
LOAD PCINT	-17.0	0.7	8.3	16.0	23.7	31.4	39.0	46.7	54.4	62.1
FUEL RATE	1.2	3.1	3.9	4.7	5.5	6.3	7.0	7.8	8.5	9.2
THROTTLE	16.5	16.5	19.1	20.3	20.6	20.9	21.4	22.2	23.3	24.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD PCINT	69.8	77.4	85.1	92.8	100.5	108.1	115.8	123.5	131.2	138.8
FUEL RATE	10.0	10.7	11.4	12.1	12.9	13.7	14.6	15.6	16.7	18.0
THROTTLE	25.6	26.7	27.7	28.6	29.6	30.9	32.6	34.6	36.2	36.3
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT	2000.0									
LOAD PCINT	-23.5	0.8	8.4	16.1	23.7	31.4	39.0	46.7	54.3	61.9
FUEL RATE	1.2	4.6	5.2	5.9	6.6	7.4	8.3	9.2	10.1	11.0
THROTTLE	17.2	17.2	18.0	18.8	19.5	20.2	21.0	21.8	22.7	23.7
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD PCINT	69.6	77.2	84.9	92.5	100.2	107.8	115.5	123.1	130.7	138.4
FUEL RATE	12.0	13.0	14.1	15.2	16.4	17.7	19.0	20.4	21.9	23.4
THROTTLE	24.6	25.7	26.7	27.9	29.1	30.5	31.9	33.5	35.1	36.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT	2300.0									
LOAD PCINT	-28.4	0.9	8.6	16.3	24.0	31.7	39.4	47.1	54.8	62.5
FUEL RATE	1.2	4.4	6.3	7.4	8.3	9.1	9.9	10.7	11.5	12.5
THROTTLE	17.3	17.3	19.0	19.9	20.5	21.0	21.7	22.5	23.4	24.4
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
LOAD PCINT	70.2	77.9	85.6	93.3	101.0	108.7	116.4	124.1	131.8	139.5
FUEL RATE	13.5	14.8	16.1	17.6	19.2	20.9	22.6	24.3	25.8	26.8
THROTTLE	25.3	26.2	27.1	28.0	29.0	30.3	31.9	33.8	35.6	36.4
MANIFOLD	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT	2800.0									
LOAD PCINT	-36.5	0.8	8.2	15.6	23.0	30.5	37.9	45.3	52.8	60.2
FUEL RATE	1.2	7.5	8.8	9.9	10.9	11.9	12.8	13.8	14.8	16.0
THROTTLE	18.3	18.3	19.7	20.6	21.3	22.0	22.8	23.7	24.7	25.6

MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
LOAD POINT	67.6	75.0	82.5	89.9	97.3	104.8	112.2	119.6	127.1	134.5
FUEL RATE	17.2	18.6	20.1	21.7	23.5	25.3	27.2	29.1	31.0	32.8
THROTTLE	26.4	27.2	27.9	28.7	29.6	30.8	32.4	34.2	35.9	36.5
MANIFOLD	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT	3300.0									
LOAD POINT	-44.6	1.0	8.1	15.2	22.3	29.5	36.6	43.7	50.8	58.0
FUEL RATE	1.2	9.5	10.9	12.3	13.6	14.9	16.2	17.6	19.1	20.6
THROTTLE	18.7	18.7	19.9	20.8	21.5	22.2	23.0	23.8	24.7	25.7
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	65.1	72.2	79.3	86.5	93.6	100.7	107.9	115.0	122.1	129.2
FUEL RATE	22.2	23.9	25.7	27.7	29.7	31.7	33.8	36.0	38.1	40.1
THROTTLE	26.6	27.6	28.5	29.3	30.2	31.2	32.3	33.7	35.2	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7
SPEED POINT	3800.0									
LOAD POINT	-52.7	1.0	7.5	14.0	20.5	27.1	33.6	40.1	46.7	53.2
FUEL RATE	1.2	13.2	14.2	15.6	17.2	18.9	20.7	22.6	24.4	26.2
THROTTLE	20.6	20.6	20.9	21.7	22.7	23.6	24.4	25.1	25.6	26.1
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	59.7	66.2	72.8	79.3	85.8	92.3	98.9	105.4	111.9	118.4
FUEL RATE	28.0	29.7	31.4	33.0	34.7	36.6	38.6	40.8	43.5	46.6
THROTTLE	26.7	27.4	28.3	29.4	30.7	31.9	33.2	34.4	35.5	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
*ENGINE		C5N3N6		KPM		TORQUE		G/hr(%.1)		
1975 NISSA	198.0	ENGINE	CO MAP							
DATA	3.270	3.940	6	550.	5800.	.4140	.8500			
SPEED POINT	550.0									
LOAD POINT	0.0	11.5	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
EMISSION RATE	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
THROTTLE	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8
MANIFOLD	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	13.8	14.1	14.4	14.6	14.9	15.2	15.4	15.7	16.0	16.2
EMISSION RATE	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
THROTTLE	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.1	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
SPEED POINT	650.0									
LOAD POINT	-1.6	0.0	4.2	8.4	12.7	16.9	21.1	25.3	29.5	33.8
EMISSION RATE	1.4	1.7	1.6	1.5	1.4	1.3	1.3	1.2	1.1	1.1
THROTTLE	1.1	1.1	1.8	2.4	3.1	3.8	4.4	5.1	5.7	6.3
MANIFOLD	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
LOAD POINT	38.0	42.2	46.4	50.6	54.9	59.1	63.3	67.5	71.7	76.0
EMISSION RATE	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
THROTTLE	6.9	7.5	8.1	8.7	9.3	9.8	10.4	10.9	11.4	11.9
MANIFOLD	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
SPEED POINT	1000.0									
LOAD POINT	-7.3	1.1	8.7	16.4	24.1	31.7	39.4	47.1	54.8	62.4
EMISSION RATE	1.4	5.0	4.8	3.8	2.9	2.2	1.7	1.5	1.5	1.5
THROTTLE	11.2	11.2	11.3	12.1	13.0	14.0	14.8	15.6	16.3	17.2
MANIFOLD	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
LOAD POINT	70.1	77.8	85.5	93.1	100.8	108.5	116.2	123.8	131.5	139.2
EMISSION RATE	1.6	1.8	2.1	2.5	3.1	4.0	5.7	10.0	24.2	95.9
THROTTLE	18.1	19.3	20.6	22.0	23.3	24.5	25.5	27.0	30.0	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7
SPEED POINT	1600.0									
LOAD POINT	-17.0	0.7	8.3	16.0	23.7	31.4	39.0	46.7	54.4	62.1
EMISSION RATE	1.4	9.1	13.0	13.3	11.6	9.8	8.5	7.8	7.6	7.7
THROTTLE	16.5	16.5	19.1	20.3	20.6	20.9	21.4	22.2	23.3	24.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	69.8	77.4	85.1	92.8	100.5	108.1	115.8	123.5	131.2	138.8
EMISSION RATE	7.9	7.8	7.3	6.4	5.3	4.4	4.4	4.7	8.5	32.4
THROTTLE	25.6	26.7	27.7	28.6	29.6	30.9	32.6	34.6	36.2	36.3

MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 2000.0										
LOAD POINT	-23.5	0.8	8.4	16.1	23.7	31.4	39.0	46.7	54.3	61.9
EMISSION RATE	1.4	14.9	12.5	10.4	9.2	8.8	9.1	9.9	11.2	12.5
THROTTLE	17.2	17.2	18.0	18.8	19.5	20.2	21.0	21.8	22.7	23.7
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	69.6	77.2	84.9	92.5	100.2	107.8	115.5	123.1	130.7	138.4
EMISSION RATE	13.4	13.4	12.3	10.4	8.3	6.8	6.4	7.8	15.6	61.9
THROTTLE	24.6	25.7	26.7	27.9	29.1	30.5	31.9	33.5	35.1	36.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 2300.0										
LOAD POINT	-28.4	0.9	8.6	16.3	24.0	31.7	39.4	47.1	54.8	62.5
EMISSION RATE	1.4	16.4	18.0	16.9	15.0	13.1	11.7	11.0	10.7	10.7
THROTTLE	17.3	17.3	19.0	19.9	20.5	21.0	21.7	22.5	23.4	24.4
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
LOAD POINT	70.2	77.9	85.6	93.3	101.0	108.7	116.4	124.1	131.8	139.5
EMISSION RATE	11.0	11.3	11.7	11.9	12.1	12.7	14.3	18.5	30.4	61.9
THROTTLE	25.3	26.2	27.1	28.0	29.0	30.3	31.9	33.8	35.6	36.4
MANIFOLD	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 2800.0										
LOAD POINT	-36.5	0.8	8.2	15.6	23.0	30.5	37.9	45.3	52.8	60.2
EMISSION RATE	1.4	17.3	20.3	21.1	20.5	19.3	18.1	17.3	17.0	17.1
THROTTLE	18.3	18.3	19.7	20.6	21.3	22.0	22.8	23.7	24.7	25.6
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
LOAD POINT	67.6	75.0	82.5	89.9	97.3	104.8	112.2	119.6	127.1	134.5
EMISSION RATE	17.7	18.7	20.1	21.8	23.9	26.4	29.7	34.5	42.4	57.2
THROTTLE	26.4	27.2	27.9	28.7	29.6	30.3	32.4	34.2	35.9	36.5
MANIFOLD	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 3300.0										
LOAD POINT	-44.6	1.0	8.1	15.2	22.3	29.5	36.6	43.7	50.8	58.0
EMISSION RATE	1.4	25.1	23.5	23.8	25.2	27.2	29.3	31.2	32.4	32.9
THROTTLE	18.7	18.7	19.9	20.8	21.5	22.2	23.0	23.8	24.7	25.7
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	65.1	72.2	79.3	86.5	93.6	100.7	107.9	115.0	122.1	129.2
EMISSION RATE	32.7	32.0	31.1	30.4	30.4	31.4	34.2	40.0	50.9	68.5
THROTTLE	26.6	27.6	28.5	29.3	30.2	31.2	32.3	33.7	35.2	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7
SPEED POINT 3800.0										
LOAD POINT	-52.7	1.0	7.5	14.0	20.5	27.1	33.6	40.1	46.7	53.2
EMISSION RATE	1.4	39.3	38.1	39.1	40.9	42.9	44.4	45.0	44.5	43.2
THROTTLE	20.6	20.6	20.9	21.7	22.7	23.6	24.4	25.1	25.6	26.1
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	59.7	66.2	72.8	79.3	85.8	92.3	98.9	105.4	111.9	118.4
EMISSION RATE	41.4	39.5	38.0	37.4	37.9	40.3	45.3	54.0	68.8	89.5
THROTTLE	26.7	27.4	28.3	29.4	30.7	31.9	33.2	34.4	35.5	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
*ENGINE	H5NUN6			RPM		TORQUE		G/HR		
1975 NISSA 198.0	ENGINE	HC	MAP							
DATA	3.270	3.940	6	550.	3800.	.4140	.8500			
SPEED POINT 550.0										
LOAD POINT	0.0	11.5	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
EMISSION RATE	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.2	4.2	4.1
THROTTLE	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8
MANIFOLD	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	13.8	14.1	14.4	14.6	14.9	15.2	15.4	15.7	16.0	16.2
EMISSION RATE	4.1	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.6	3.5
THROTTLE	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.1	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
SPEED POINT 650.0										
LOAD POINT	-1.6	0.0	4.2	8.4	12.7	16.9	21.1	25.3	29.5	33.8
EMISSION RATE	4.6	7.1	6.7	6.4	6.1	5.9	5.7	5.5	5.3	5.1



THROTTLE	1.1	1.1	1.8	2.4	3.1	3.8	4.4	5.1	5.7	6.3
MANIFOLO	*****									
LOAD POINT	38.0	42.2	46.4	50.6	54.9	59.1	63.3	67.5	71.7	76.0
EMISSION RATE	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.3
THROTTLE	6.9	7.5	8.1	8.7	9.3	9.8	10.4	10.9	11.4	11.9
MANIFOLO	*****									
SPEED POINT 1000.0										
LOAD PCINT	-7.3	1.1	8.7	16.4	24.1	31.7	39.4	47.1	54.8	62.4
EMISSION RATE	4.6	33.2	21.3	13.4	8.9	6.6	5.8	5.8	5.8	5.9
THROTTLE	11.2	11.2	11.3	12.1	13.0	14.0	14.8	15.6	16.3	17.2
MANIFOLO	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
LOAD POINT	70.1	77.8	85.5	93.1	100.8	108.5	116.2	123.8	131.5	139.2
EMISSION RATE	6.6	7.3	7.9	8.1	8.2	8.4	9.3	12.6	25.4	91.0
THROTTLE	18.1	19.3	20.6	22.0	23.3	24.5	25.5	27.0	30.0	36.5
MANIFOLO	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7
SPEED POINT 1600.0										
LOAD PCINT	-17.0	0.7	8.3	16.0	23.7	31.4	39.0	46.7	54.4	62.1
EMISSION RATE	4.6	98.8	133.8	133.8	133.8	109.4	81.1	58.0	41.3	30.1
THROTTLE	16.5	16.5	19.1	20.3	20.6	20.9	21.4	22.2	23.3	24.5
MANIFOLO	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	69.8	77.4	85.1	92.8	100.5	108.1	115.8	123.5	131.2	138.8
EMISSION RATE	22.8	18.3	16.3	16.3	16.3	16.3	19.7	26.4	39.8	67.9
THROTTLE	25.6	26.7	27.7	28.6	29.6	30.9	32.6	34.6	36.2	36.3
MANIFOLO	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 2000.0										
LOAD POINT	-23.5	0.8	8.4	16.1	23.7	31.4	39.0	46.7	54.3	61.9
EMISSION RATE	4.6	154.9	135.2	127.2	127.2	130.9	134.2	133.7	126.6	112.5
THROTTLE	17.2	17.2	18.0	18.8	19.5	20.2	21.0	21.8	22.7	23.7
MANIFOLO	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	69.6	77.2	84.9	92.5	100.2	107.8	115.5	123.1	130.7	138.4
EMISSION RATE	93.4	72.6	53.8	39.0	28.8	23.0	21.4	24.8	41.1	109.2
THROTTLE	24.6	25.7	26.7	27.9	29.1	30.5	31.9	33.5	35.1	36.5
MANIFOLO	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 2300.0										
LOAD POINT	-28.4	0.9	8.6	16.3	24.0	31.7	39.4	47.1	54.8	62.5
EMISSION RATE	4.6	138.6	172.0	185.0	185.0	179.4	172.6	165.6	157.3	146.1
THROTTLE	17.3	17.3	19.0	19.9	20.5	21.0	21.7	22.5	23.4	24.4
MANIFOLO	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
LOAD PCINT	70.2	77.9	85.6	93.3	101.0	108.7	116.4	124.1	131.8	139.5
EMISSION RATE	130.8	111.4	90.0	69.6	53.0	41.8	40.3	40.7	65.2	183.4
THROTTLE	25.3	26.2	27.1	28.0	29.0	30.3	31.9	33.8	35.6	36.4
MANIFOLO	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 2800.0										
LOAD POINT	-36.5	0.8	8.2	15.6	23.0	30.5	37.9	45.3	52.8	60.2
EMISSION RATE	4.6	216.0	253.4	261.3	253.7	242.6	234.3	230.7	230.9	232.3
THROTTLE	18.3	18.3	19.7	20.6	21.3	22.0	22.8	23.7	24.7	25.6
MANIFOLO	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
LOAD PCINT	67.6	75.0	82.5	89.9	97.3	104.8	112.2	119.6	127.1	134.5
EMISSION RATE	231.2	224.1	209.2	187.1	161.5	137.7	121.0	117.7	136.9	219.0
THROTTLE	26.4	27.2	27.9	28.7	29.6	30.8	32.4	34.2	35.9	36.5
MANIFOLO	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 3300.0										
LOAD POINT	-44.6	1.0	8.1	15.2	22.3	29.5	36.6	43.7	50.8	58.0
EMISSION RATE	4.6	237.6	272.3	290.2	301.4	313.3	330.1	352.3	377.5	400.3
THROTTLE	18.7	18.7	19.9	20.8	21.5	22.2	23.0	23.8	24.7	25.7
MANIFOLO	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	65.1	72.2	79.3	86.5	93.6	100.7	107.9	115.0	122.1	129.2
EMISSION RATE	413.6	410.3	387.4	347.8	300.5	256.7	227.0	224.1	265.6	437.3
THROTTLE	26.6	27.6	28.5	29.3	30.2	31.2	32.3	33.7	35.2	36.5
MANIFOLO	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7
SPEED POINT 3800.0										

LOAD POINT	-52.7	1.0	7.5	14.0	20.5	27.1	33.6	40.1	46.7	53.2
EMISSION RATE	4.6	229.7	279.7	313.2	334.3	348.6	361.6	376.9	396.5	421.2
THROTTLE	20.6	20.6	20.9	21.7	22.7	23.6	24.4	25.1	25.6	26.1
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	59.7	66.2	72.8	79.3	85.8	92.3	98.9	105.4	111.9	118.4
EMISSION RATE	450.3	482.0	513.6	541.7	563.5	577.8	585.9	592.9	608.2	647.6
THROTTLE	26.7	27.4	28.3	29.4	30.7	31.9	33.2	34.4	35.5	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
*ENGINE	N5NJN6		RPM			TORQUE		G/HR		
1975 NISSA	198.0	ENGINE	NOX	MAP						
DATA	3.270	3.940	6	550.	3800.	.4140	.8500			
SPEED POINT	550.0									
LOAD POINT	0.0	11.5	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6
EMISSION RATE	12.5	12.5	12.0	11.6	11.1	10.7	10.2	9.7	9.3	8.8
THROTTLE	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8
MANIFOLD	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	13.8	14.1	14.4	14.6	14.9	15.2	15.4	15.7	16.0	16.2
EMISSION RATE	8.4	7.9	7.4	7.0	6.5	6.0	5.6	5.1	4.7	4.2
THROTTLE	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.1	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
SPEED POINT	650.0									
LOAD POINT	-1.6	0.0	4.2	8.4	12.7	16.9	21.1	25.3	29.5	33.8
EMISSION RATE	12.5	6.2	8.3	10.4	12.4	14.2	16.0	17.6	19.2	20.6
THROTTLE	1.1	1.1	1.8	2.4	3.1	3.3	4.4	5.1	5.7	6.3
MANIFOLD	*****									
LOAD POINT	38.0	42.2	46.4	50.6	54.9	59.1	63.3	67.5	71.7	76.0
EMISSION RATE	22.0	23.3	24.4	25.4	26.4	27.2	28.0	28.6	29.1	29.6
THROTTLE	6.9	7.5	8.1	8.7	9.3	9.3	10.4	10.9	11.4	11.9
MANIFOLD	*****									
SPEED POINT	1000.0									
LOAD POINT	-7.3	1.1	8.7	16.4	24.1	31.7	39.4	47.1	54.8	62.4
EMISSION RATE	12.5	6.7	9.1	13.6	18.9	23.7	27.4	30.3	33.4	37.3
THROTTLE	11.2	11.2	11.3	12.1	13.0	14.0	14.8	15.6	16.3	17.2
MANIFOLD	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
LOAD POINT	70.1	77.8	85.5	93.1	100.8	108.5	116.2	123.8	131.5	139.2
EMISSION RATE	42.5	48.2	53.2	55.1	53.3	47.7	40.7	35.2	32.9	36.1
THROTTLE	18.1	19.3	20.6	22.0	23.3	24.5	25.5	27.0	30.0	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7
SPEED POINT	1600.0									
LOAD POINT	-17.0	0.7	8.3	16.0	23.7	31.4	39.0	46.7	54.4	62.1
EMISSION RATE	12.5	11.8	12.5	17.1	24.5	33.0	41.1	48.3	54.5	60.5
THROTTLE	16.5	16.5	19.1	20.3	20.6	20.9	21.4	22.2	23.3	24.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	69.8	77.4	85.1	92.8	100.5	108.1	115.8	123.5	131.2	138.8
EMISSION RATE	66.6	72.4	77.0	79.5	79.2	76.9	74.0	72.2	72.4	72.8
THROTTLE	25.6	26.7	27.7	28.6	29.6	30.9	32.6	34.6	36.2	36.3
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT	2000.0									
LOAD POINT	-23.5	0.8	8.4	16.1	23.7	31.4	39.0	46.7	54.3	61.9
EMISSION RATE	12.5	12.9	17.5	25.5	33.9	40.0	44.0	47.8	53.5	62.3
THROTTLE	17.2	17.2	18.0	18.8	19.5	20.2	21.0	21.8	22.7	23.7
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
LOAD POINT	69.6	77.2	84.9	92.5	100.2	107.8	115.5	123.1	130.7	138.4
EMISSION RATE	74.3	87.4	97.9	101.5	98.6	91.7	86.2	85.5	88.6	83.1
THROTTLE	24.6	25.7	26.7	27.9	29.1	30.5	31.9	33.5	35.1	36.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT	2300.0									
LOAD POINT	-28.4	0.9	8.6	16.3	24.0	31.7	39.4	47.1	54.8	62.5
EMISSION RATE	12.5	15.4	22.1	31.4	43.4	57.1	70.5	81.6	89.1	93.5
THROTTLE	17.3	17.3	19.0	19.9	20.5	21.0	21.7	22.5	23.4	24.4
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7

LOAD POINT	70.2	77.9	85.6	93.3	101.0	108.7	116.4	124.1	131.8	139.5
EMISSION RATE	96.0	98.4	101.6	105.8	109.8	111.4	109.1	103.0	98.3	106.9
THROTTLE	25.3	26.2	27.1	28.0	29.0	30.3	31.9	33.8	35.6	36.4
MANIFOLD	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 2600.0										
LOAD POINT	-36.5	0.8	8.2	15.6	23.0	30.5	37.9	45.3	52.8	60.2
EMISSION RATE	12.5	42.5	52.7	60.5	71.1	86.6	106.2	126.8	143.4	152.7
THROTTLE	18.3	18.3	19.7	20.6	21.3	22.0	22.8	23.7	24.7	25.6
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
LOAD POINT	67.6	75.0	82.5	89.9	97.3	104.8	112.2	119.6	127.1	134.5
EMISSION RATE	154.7	152.7	150.6	151.6	156.3	163.0	167.1	163.1	150.2	137.0
THROTTLE	26.4	27.2	27.9	28.7	29.6	30.8	32.4	34.2	35.9	36.5
MANIFOLD	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
SPEED POINT 3300.0										
LOAD POINT	-44.6	1.0	8.1	15.2	22.3	29.5	36.6	43.7	50.8	58.0
EMISSION RATE	12.5	56.9	67.6	90.3	115.7	136.5	151.0	162.2	174.4	190.3
THROTTLE	19.7	18.7	19.9	20.8	21.5	22.2	23.0	23.8	24.7	25.7
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	65.1	72.2	79.3	86.5	93.6	100.7	107.9	115.0	122.1	129.2
EMISSION RATE	209.7	229.0	242.7	245.3	237.8	223.5	210.3	203.1	199.9	183.3
THROTTLE	26.6	27.6	28.5	29.3	30.2	31.2	32.3	33.7	35.2	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7
SPEED POINT 3800.0										
LOAD POINT	-52.7	1.0	7.5	14.0	20.5	27.1	33.6	40.1	46.7	53.2
EMISSION RATE	12.5	96.9	112.1	135.5	162.3	189.5	215.9	241.8	267.5	292.2
THROTTLE	20.6	20.6	20.9	21.7	22.7	23.6	24.4	25.1	25.6	26.1
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	59.7	66.2	72.8	79.3	85.8	92.3	98.9	105.4	111.9	118.4
EMISSION RATE	313.8	319.0	319.0	319.0	319.0	303.9	290.4	261.0	274.9	258.0
THROTTLE	20.7	27.4	28.3	29.4	30.7	31.9	33.2	34.4	35.5	36.5
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

E.8 1975 PERKINS DIESEL 247 CID (4.0 LITER), F.I.

*ENGINE , DIESEL	F5PJN6	RPM		TORQUE				LB/HR				
1975 PERKI	247.0	ENGINE		MAP								
DATA F.I.	3.622	4.0000	FUEL	6	700.	3600.	.3C00	.8409				
SPEED POINT	700.0											
LOAD POINT	0.0	0.0	1.0	2.0	3.0	4.1	5.1	6.1	7.1	8.1		
FUEL RATE	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8		
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
LOAD POINT	9.1	10.2	11.2	12.2	13.2	14.2	15.2	16.3	17.3	18.3		
FUEL RATE	1.8	1.7	1.7	1.6	1.6	1.5	1.4	1.3	1.1	1.0		
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
SPEED POINT	1200.0											
LOAD POINT	-15.0	0.0	9.1	18.2	27.4	36.5	45.6	54.7	63.8	73.0		
FUEL RATE	1.5	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0	7.7		
THROTTLE	1.9	1.9	2.0	2.4	2.8	2.8	2.6	2.3	2.0	2.0		
MANIFOLD	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6		
LOAD POINT	82.1	91.2	100.3	109.4	118.6	127.7	136.8	145.9	155.0	164.2		
FUEL RATE	8.4	9.1	9.8	10.6	11.5	12.4	13.4	14.4	15.6	16.9		
THROTTLE	2.2	2.7	3.4	4.5	5.3	5.6	5.4	5.3	7.5	25.5		
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.5	0.2		
SPEED POINT	1600.0											
LOAD POINT	-26.9	0.0	9.8	19.7	29.5	39.4	49.2	59.0	68.9	78.7		
FUEL RATE	1.5	4.6	5.1	5.7	6.5	7.4	8.4	9.4	10.5	11.6		
THROTTLE	2.6	2.6	2.6	2.9	3.1	3.3	3.5	3.7	3.9	4.3		
MANIFOLD	0.8	0.8	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.8		
LOAD POINT	88.5	98.4	108.2	118.1	127.9	137.7	147.6	157.4	167.3	177.1		
FUEL RATE	12.7	13.8	14.9	16.1	17.2	18.3	19.4	20.5	21.6	22.8		
THROTTLE	4.9	5.5	6.1	6.4	6.2	5.7	5.3	5.5	8.3	25.3		
MANIFOLD	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.2		
SPEED POINT	1900.0											
LOAD POINT	-35.9	0.0	9.7	19.4	29.1	38.8	48.5	58.2	67.9	77.6		
FUEL RATE	1.5	5.2	6.1	7.0	8.0	9.0	10.1	11.2	12.3	13.5		
THROTTLE	5.2	5.2	5.6	5.9	6.1	6.3	6.5	6.7	7.1	7.5		
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5		
LOAD POINT	87.3	97.0	106.7	116.4	126.1	135.7	145.4	155.1	164.8	174.5		
FUEL RATE	14.6	15.9	17.1	18.4	19.7	21.2	22.7	24.3	26.0	27.9		
THROTTLE	7.9	8.3	8.7	8.9	9.0	9.1	9.5	10.7	14.4	26.0		
MANIFOLD	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2		
SPEED POINT	2100.0											
LOAD POINT	-41.9	0.0	9.5	19.1	28.6	38.2	47.7	57.3	66.8	76.4		
FUEL RATE	1.5	6.4	7.5	8.6	9.7	10.8	11.9	13.0	14.1	15.2		
THROTTLE	8.0	8.0	8.1	8.4	8.7	9.0	9.2	9.4	9.6	9.8		
MANIFOLD	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5		
LOAD POINT	85.9	95.5	105.0	114.5	124.1	133.6	143.2	152.7	162.3	171.8		
FUEL RATE	16.4	17.6	18.8	20.2	21.7	23.3	25.1	27.1	29.3	31.8		
THROTTLE	10.1	10.3	10.5	10.7	10.8	10.9	11.3	12.6	16.0	25.8		
MANIFOLD	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.2		
SPEED POINT	2400.0											
LOAD POINT	-50.8	0.0	9.4	18.8	28.1	37.5	46.9	56.3	65.6	75.0		
FUEL RATE	1.5	8.1	9.2	10.4	11.6	12.8	14.1	15.4	16.6	17.9		
THROTTLE	11.1	11.1	11.2	11.5	11.8	12.1	12.2	12.3	12.5	12.8		
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
LOAD POINT	84.4	93.8	103.2	112.5	121.9	131.3	140.7	150.1	159.4	168.8		
FUEL RATE	19.2	20.5	21.8	23.2	24.7	26.3	28.1	30.0	32.2	34.7		
THROTTLE	13.2	13.6	14.0	14.3	14.3	14.1	14.0	14.5	17.2	25.8		
MANIFOLD	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.2		
SPEED POINT	2700.0											
LOAD POINT	-59.8	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8		
FUEL RATE	1.5	9.8	11.4	12.8	14.1	15.4	16.7	18.0	19.3	20.7		
THROTTLE	14.2	14.2	14.1	14.2	14.3	14.5	14.7	15.1	15.6	16.1		

MANIFOLD	0.2	0.2	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6
LOAD POINT	83.0	92.2	101.5	110.7	119.9	129.1	138.4	147.6	156.8	166.0
FUEL RATE	22.1	23.7	25.3	27.1	28.9	30.9	33.0	35.2	37.5	40.0
THROTTLE	16.7	17.4	18.2	19.0	20.0	21.0	22.1	23.3	24.6	25.9
MANIFOLD	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.4	0.2
SPEED POINT 3000.0										
LOAD POINT	-68.8	0.0	9.1	18.1	27.2	36.3	45.3	54.4	63.5	72.5
FUEL RATE	1.5	12.3	13.8	15.4	16.9	18.4	19.9	21.3	22.8	24.2
THROTTLE	16.5	16.5	16.7	17.0	17.3	17.5	17.6	17.7	17.8	18.0
MANIFOLD	0.2	0.2	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
LOAD POINT	81.6	90.7	99.8	108.8	117.9	127.0	136.0	145.1	154.2	163.2
FUEL RATE	25.6	27.1	28.7	30.4	32.2	34.2	36.5	39.0	41.8	45.0
THROTTLE	18.2	18.5	18.8	19.0	19.1	19.2	19.4	20.1	21.8	26.0
MANIFOLD	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.4	0.2
SPEED POINT 3300.0										
LOAD POINT	-77.8	0.0	8.5	16.9	25.4	33.9	42.3	50.8	59.3	67.7
FUEL RATE	1.5	14.5	16.6	18.4	19.9	21.3	22.7	24.0	25.4	26.9
THROTTLE	19.5	19.5	19.8	20.1	20.3	20.5	20.6	20.7	20.7	20.8
MANIFOLD	0.2	0.2	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.5
LOAD POINT	76.2	84.7	93.1	101.6	110.1	118.5	127.0	135.5	143.9	152.4
FUEL RATE	28.5	30.3	32.1	34.0	35.9	37.7	39.4	40.8	41.9	42.5
THROTTLE	20.7	20.8	20.8	21.0	21.3	21.9	22.6	23.6	24.8	26.0
MANIFOLD	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.4	0.2
SPEED POINT 3600.0										
LOAD POINT	-86.7	0.0	8.1	16.2	24.3	32.4	40.5	48.6	56.7	64.8
FUEL RATE	1.5	18.0	19.2	20.6	22.1	23.6	25.3	27.0	28.8	30.6
THROTTLE	22.0	22.0	22.5	22.9	23.3	23.5	23.7	23.8	23.8	23.9
MANIFOLD	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5
LOAD POINT	72.9	81.0	89.1	97.2	105.3	113.4	121.5	129.5	137.6	145.7
FUEL RATE	32.4	34.3	36.2	38.1	40.1	42.2	44.3	46.5	48.8	51.0
THROTTLE	24.0	24.0	24.1	24.3	24.4	24.5	24.7	25.0	25.4	26.0
MANIFOLD	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2
*ENGINE		C5PJN6		RPM		TURQUE		G/HR(*.1)		
1975 PERKI	247.0	ENGINE	CO MAP							
DATA	3.622	4.000	6	700.	3600.	.3000	.8409			
SPEED POINT 700.0										
LOAD POINT	0.0	0.0	1.0	2.0	3.0	4.1	5.1	6.1	7.1	8.1
EMISSION RATE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.8
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	9.1	10.2	11.2	12.2	13.2	14.2	15.2	16.3	17.3	18.3
EMISSION RATE	1.9	2.1	2.3	2.6	2.8	3.1	3.5	3.8	4.2	4.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
SPEED POINT 1200.0										
LOAD POINT	-15.0	0.0	9.1	18.2	27.4	36.5	45.6	54.7	63.8	73.0
EMISSION RATE	1.5	6.8	7.4	7.3	6.9	6.5	6.2	6.0	6.0	6.1
THROTTLE	1.9	1.9	2.0	2.4	2.8	2.8	2.6	2.3	2.0	2.0
MANIFOLD	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6
LOAD POINT	82.1	91.2	100.3	109.4	118.6	127.7	136.8	145.9	155.0	164.2
EMISSION RATE	6.2	6.2	6.2	6.2	6.0	6.0	6.3	7.4	10.4	19.5
THROTTLE	2.2	2.7	3.4	4.5	5.3	5.6	5.4	5.3	7.5	25.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.5	0.2
SPEED POINT 1600.0										
LOAD POINT	-26.9	0.0	9.8	19.7	29.5	39.4	49.2	59.0	68.9	78.7
EMISSION RATE	1.5	21.4	19.2	15.5	12.3	10.3	9.5	9.5	9.5	10.0
THROTTLE	2.6	2.6	2.6	2.9	3.1	3.3	3.5	3.7	3.9	4.3
MANIFOLD	0.8	0.8	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.8
LOAD POINT	88.5	98.4	108.2	118.1	127.9	137.7	147.6	157.4	167.3	177.1
EMISSION RATE	11.0	11.8	12.3	12.1	11.3	10.3	9.7	10.3	13.9	28.5
THROTTLE	4.9	5.5	6.1	6.4	6.2	5.7	5.3	5.5	8.3	25.3

MANIFOLD	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.2
SPEED POINT	1900.0									
LOAD POINT	-35.9	0.0	9.7	19.4	29.1	38.8	48.5	58.2	67.9	77.6
EMISSION RATE	1.5	23.6	22.5	19.7	16.7	14.3	12.6	11.7	11.3	11.4
THROTTLE	5.2	5.2	5.6	5.9	6.1	6.3	6.5	6.7	7.1	7.5
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5
LOAD POINT	87.3	97.0	106.7	116.4	126.1	135.7	145.4	155.1	164.8	174.5
EMISSION RATE	12.0	12.8	13.8	14.9	16.0	17.3	19.1	22.2	28.3	41.9
THROTTLE	7.9	8.3	8.7	8.9	9.0	9.1	9.5	10.7	14.4	26.0
MANIFOLD	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2
SPEED POINT	2100.0									
LOAD POINT	-41.9	0.0	9.5	19.1	28.6	38.2	47.7	57.3	66.8	76.4
EMISSION RATE	1.5	26.1	26.1	23.9	20.9	18.0	15.6	13.9	12.7	12.4
THROTTLE	8.0	8.0	8.1	8.4	8.7	9.0	9.2	9.4	9.6	9.8
MANIFOLD	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
LOAD POINT	85.9	95.5	105.0	114.5	124.1	133.6	143.2	152.7	162.3	171.8
EMISSION RATE	12.4	12.4	12.8	13.9	15.5	17.7	20.9	25.7	33.3	46.2
THROTTLE	10.1	10.3	10.5	10.7	10.8	10.9	11.3	12.6	16.0	25.8
MANIFOLD	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.2
SPEED POINT	2400.0									
LOAD POINT	-50.8	0.0	9.4	18.8	28.1	37.5	46.9	56.3	65.6	75.0
EMISSION RATE	1.5	27.8	29.0	27.3	24.4	21.5	19.1	17.3	16.1	15.3
THROTTLE	11.1	11.1	11.2	11.5	11.8	12.1	12.2	12.3	12.5	12.8
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
LOAD POINT	84.4	93.8	103.2	112.5	121.9	131.3	140.7	150.1	159.4	168.8
EMISSION RATE	14.9	14.8	14.9	15.1	15.6	16.5	18.3	21.9	29.5	46.6
THROTTLE	13.2	13.6	14.0	14.3	14.3	14.1	14.0	14.5	17.2	25.8
MANIFOLD	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.2
SPEED POINT	2700.0									
LOAD POINT	-59.8	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	1.5	31.0	31.2	30.6	29.4	27.7	25.8	23.9	22.1	20.7
THROTTLE	14.2	14.2	14.1	14.2	14.3	14.5	14.7	15.1	15.6	16.1
MANIFOLD	0.2	0.2	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6
LOAD POINT	83.0	92.2	101.5	110.7	119.9	129.1	138.4	147.6	156.8	166.0
EMISSION RATE	19.7	19.5	20.1	21.8	24.8	29.2	35.2	43.0	52.9	64.9
THROTTLE	16.7	17.4	18.2	19.0	20.0	21.0	22.1	23.3	24.6	25.9
MANIFOLD	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.4	0.2
SPEED POINT	3000.0									
LOAD POINT	-68.8	0.0	9.1	18.1	27.2	36.3	45.3	54.4	63.5	72.5
EMISSION RATE	1.5	56.5	37.2	30.9	29.4	29.7	30.3	30.4	29.4	27.7
THROTTLE	16.5	16.5	16.7	17.0	17.3	17.5	17.6	17.7	17.8	18.0
MANIFOLD	0.2	0.2	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
LOAD POINT	81.6	90.7	99.8	108.8	117.9	127.0	136.0	145.1	154.2	163.2
EMISSION RATE	25.5	23.5	22.1	21.8	22.6	25.3	30.7	39.7	53.5	71.7
THROTTLE	18.2	18.5	18.8	19.0	19.1	19.2	19.4	20.1	21.8	26.0
MANIFOLD	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.4	0.2
SPEED POINT	3300.0									
LOAD POINT	-77.8	0.0	8.5	16.9	25.4	33.9	42.3	50.8	59.3	67.7
EMISSION RATE	1.5	45.8	47.3	47.9	47.5	46.4	44.8	43.1	41.5	40.3
THROTTLE	19.5	19.5	19.8	20.1	20.3	20.5	20.6	20.7	20.7	20.8
MANIFOLD	0.2	0.2	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.5
LOAD POINT	76.2	84.7	93.1	101.6	110.1	118.5	127.0	135.5	143.9	152.4
EMISSION RATE	39.6	39.7	40.5	42.2	44.9	48.5	52.7	57.2	61.0	62.5
THROTTLE	20.7	20.8	20.8	21.0	21.3	21.9	22.6	23.6	24.8	26.0
MANIFOLD	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.4	0.2
SPEED POINT	3600.0									
LOAD POINT	-86.7	0.0	8.1	16.2	24.3	32.4	40.5	48.6	56.7	64.8
EMISSION RATE	1.5	49.7	46.4	43.8	42.3	42.1	43.2	45.3	48.4	51.8
THROTTLE	22.0	22.0	22.5	22.9	23.3	23.5	23.7	23.8	23.8	23.9
MANIFOLD	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5
LOAD POINT	72.9	81.0	89.1	97.2	105.3	113.4	121.5	129.5	137.6	145.7

EMISSION RATE	55.2	57.8	59.0	58.5	56.4	53.3	50.1	48.1	49.0	55.6
THROTTLE	24.0	24.0	24.1	24.3	24.4	24.5	24.7	25.0	25.4	26.0
MANIFOLD	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2
*ENGINE	H5PJN6		RPM			TORQUE		G/HR		
1975 PERKI DATA	247.0	ENGINE	HC	MAP						
	3.622	4.000	6	700.	3600.	.3000	.8409			
SPEED POINT	700.0									
LOAD POINT	0.0	0.0	1.0	2.0	3.0	4.1	5.1	6.1	7.1	8.1
EMISSION RATE	4.6	4.6	4.3	4.1	3.8	3.6	3.4	3.1	2.9	2.7
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	9.1	10.2	11.2	12.2	13.2	14.2	15.2	16.3	17.3	18.3
EMISSION RATE	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.5
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
SPEED POINT	1200.0									
LOAD POINT	-15.0	0.0	9.1	18.2	27.4	36.5	45.6	54.7	63.8	73.0
EMISSION RATE	4.6	19.0	20.8	21.9	22.3	22.2	21.6	20.6	19.5	18.2
THROTTLE	1.9	1.9	2.0	2.4	2.8	2.8	2.6	2.3	2.0	2.0
MANIFOLD	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6
LOAD POINT	82.1	91.2	100.3	109.4	118.6	127.7	136.8	145.9	155.0	164.2
EMISSION RATE	17.0	15.9	15.0	14.5	14.5	15.0	16.3	18.4	21.4	25.4
THROTTLE	2.2	2.7	3.4	4.5	5.3	5.6	5.4	5.3	7.5	25.5
MANIFOLD	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.5	0.2
SPEED POINT	1600.0									
LOAD POINT	-26.9	0.0	9.8	19.7	29.5	39.4	49.2	59.0	68.9	78.7
EMISSION RATE	4.6	122.7	98.0	78.8	65.5	56.9	51.6	48.7	46.9	45.5
THROTTLE	2.6	2.6	2.6	2.9	3.1	3.3	3.5	3.7	3.9	4.3
MANIFOLD	0.8	0.8	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.8
LOAD POINT	88.5	98.4	108.2	118.1	127.9	137.7	147.6	157.4	167.3	177.1
EMISSION RATE	43.6	40.8	36.9	32.3	27.5	23.6	21.0	20.9	25.0	40.5
THROTTLE	4.9	5.5	6.1	6.4	6.2	5.7	5.3	5.5	8.3	25.3
MANIFOLD	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.2
SPEED POINT	1900.0									
LOAD POINT	-35.9	0.0	9.7	19.4	29.1	38.8	48.5	58.2	67.9	77.6
EMISSION RATE	4.6	186.9	123.4	89.6	71.3	61.8	57.4	56.2	57.1	58.8
THROTTLE	5.2	5.2	5.6	5.9	6.1	6.3	6.5	6.7	7.1	7.5
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5
LOAD POINT	87.3	97.0	106.7	116.4	126.1	135.7	145.4	155.1	164.8	174.5
EMISSION RATE	60.6	61.5	60.8	58.4	54.6	50.5	47.2	46.3	49.8	63.1
THROTTLE	7.9	8.3	8.7	8.9	9.0	9.1	9.5	10.7	14.4	26.0
MANIFOLD	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2
SPEED POINT	2100.0									
LOAD POINT	-41.9	0.0	9.5	19.1	28.6	38.2	47.7	57.3	66.8	76.4
EMISSION RATE	4.6	200.8	169.0	129.4	95.7	71.6	55.8	46.1	40.8	38.7
THROTTLE	8.0	8.0	8.1	8.4	8.7	9.0	9.2	9.4	9.6	9.8
MANIFOLD	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
LOAD POINT	85.9	95.5	105.0	114.5	124.1	133.6	143.2	152.7	162.3	171.8
EMISSION RATE	39.0	41.3	45.4	50.8	57.3	64.2	70.9	77.1	83.2	90.6
THROTTLE	10.1	10.3	10.5	10.7	10.8	10.9	11.3	12.6	16.0	25.8
MANIFOLD	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.2
SPEED POINT	2400.0									
LOAD POINT	-50.8	0.0	9.4	18.8	28.1	37.5	46.9	56.3	65.6	75.0
EMISSION RATE	4.6	285.3	254.6	226.4	196.1	164.0	132.6	104.6	81.8	64.5
THROTTLE	11.1	11.1	11.2	11.5	11.8	12.1	12.2	12.3	12.5	12.8
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
LOAD POINT	84.4	93.8	103.2	112.5	121.9	131.3	140.7	150.1	159.4	168.8
EMISSION RATE	52.4	44.5	40.7	40.7	40.8	45.3	52.3	60.4	66.0	63.3
THROTTLE	13.2	13.6	14.0	14.3	14.3	14.1	14.0	14.5	17.2	25.8
MANIFOLD	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.2
SPEED POINT	2700.0									

LOAD POINT	-59.8	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	4.6	319.0	337.6	336.6	318.3	286.1	243.1	192.5	137.5	81.2
THROTTLE	14.2	14.2	14.1	14.2	14.3	14.5	14.7	15.1	15.6	16.1
MANIFOLO	0.2	0.2	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6
LOAD POINT	83.0	92.2	101.5	110.7	119.9	129.1	138.4	147.6	156.8	166.0
EMISSION RATE	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	137.4
THROTTLE	16.7	17.4	18.2	19.0	20.0	21.0	22.1	23.3	24.6	25.9
MANIFOLO	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.4	0.2
SPEED POINT 3000.0										
LOAD POINT	-68.8	0.0	9.1	18.1	27.2	36.3	45.3	54.4	63.5	72.5
EMISSION RATE	4.6	425.9	356.2	373.6	415.5	437.8	417.2	349.0	261.1	181.6
THROTTLE	16.5	16.5	16.7	17.0	17.3	17.5	17.6	17.7	17.8	18.0
MANIFOLO	0.2	0.2	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
LOAD POINT	81.6	90.7	99.8	108.8	117.9	127.0	136.0	145.1	154.2	163.2
EMISSION RATE	123.8	87.6	68.1	60.7	63.4	77.1	104.2	142.7	170.3	143.0
THROTTLE	18.2	18.5	18.8	19.0	19.1	19.2	19.4	20.1	21.8	26.0
MANIFOLO	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.4	0.2
SPEED POINT 3300.0										
LOAD POINT	-77.8	0.0	8.5	16.9	25.4	33.9	42.3	50.8	59.3	67.7
EMISSION RATE	4.6	423.3	385.5	391.8	412.0	424.1	418.3	385.7	333.4	273.2
THROTTLE	19.5	19.5	19.8	20.1	20.3	20.5	20.6	20.7	20.7	20.8
MANIFOLO	0.2	0.2	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.5
LOAD POINT	76.2	84.7	93.1	101.6	110.1	118.5	127.0	135.5	143.9	152.4
EMISSION RATE	216.3	169.5	134.9	116.1	116.1	116.1	116.1	116.1	126.2	147.6
THROTTLE	20.7	20.8	20.8	21.0	21.3	21.9	22.6	23.6	24.8	26.0
MANIFOLO	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.4	0.2
SPEED POINT 3600.0										
LOAD POINT	-86.7	0.0	8.1	16.2	24.3	32.4	40.5	48.6	56.7	64.8
EMISSION RATE	4.6	412.2	336.8	312.6	308.7	309.8	306.5	294.2	272.3	243.9
THROTTLE	22.0	22.0	22.5	22.9	23.3	23.5	23.7	23.8	23.8	23.9
MANIFOLO	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5
LOAD POINT	72.9	81.0	89.1	97.2	105.3	113.4	121.5	129.5	137.6	145.7
EMISSION RATE	213.4	184.8	160.8	142.2	129.3	121.0	116.1	112.2	106.1	93.6
THROTTLE	24.0	24.0	24.1	24.3	24.4	24.5	24.7	25.0	25.4	26.0
MANIFOLO	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2
*ENGINE		N5PJN6		RPM		TORQUE		G/HR		
1975 PERKI	247.0	ENGINE	NOX	MAP						
DATA	3.622	4.000	6	700.	3600.	3000	8409			
SPEED POINT 700.0										
LOAD POINT	0.0	0.0	1.0	2.0	3.0	4.1	5.1	6.1	7.1	8.1
EMISSION RATE	18.8	18.8	19.5	20.1	20.6	20.9	21.1	21.3	21.3	21.1
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLO	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
LOAD POINT	9.1	10.2	11.2	12.2	13.2	14.2	15.2	16.3	17.3	18.3
EMISSION RATE	20.9	20.6	20.1	19.5	18.8	18.0	17.1	16.1	14.9	13.6
THROTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANIFOLO	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
SPEED POINT 1200.0										
LOAD POINT	-15.0	0.0	9.1	18.2	27.4	36.5	45.6	54.7	63.8	73.0
EMISSION RATE	18.8	14.9	17.6	21.0	25.0	29.6	34.6	39.9	45.6	51.4
THROTTLE	1.9	1.9	2.0	2.4	2.8	2.8	2.6	2.3	2.0	2.0
MANIFOLO	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6
LOAD POINT	82.1	91.2	100.3	109.4	118.6	127.7	136.8	145.9	155.0	164.2
EMISSION RATE	57.4	63.4	69.4	75.2	80.8	86.1	91.0	95.5	99.4	102.6
THROTTLE	2.2	2.7	3.4	4.5	5.3	5.6	5.4	5.3	7.5	25.5
MANIFOLO	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.5	0.2
SPEED POINT 1600.0										
LOAD POINT	-26.9	0.0	9.8	19.7	29.5	39.4	49.2	59.0	68.9	78.7
EMISSION RATE	18.8	20.0	29.1	37.3	47.3	60.6	76.6	92.8	106.0	114.1
THROTTLE	2.6	2.6	2.6	2.9	3.1	3.3	3.5	3.7	3.9	4.3
MANIFOLO	0.8	0.8	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.8



LOAD POINT	88.5	98.4	108.2	118.1	127.9	137.7	147.6	157.4	167.3	177.1
EMISSION RATE	118.4	121.9	128.3	140.7	159.9	182.9	186.8	186.8	170.3	132.3
THROTTLE	4.9	5.5	6.1	6.4	6.2	5.7	5.3	5.5	8.3	25.3
MANIFOLD	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.2
SPEED POINT 1900.0										
LOAD POINT	-35.9	0.0	9.7	19.4	29.1	38.8	48.5	58.2	67.9	77.6
EMISSION RATE	18.8	25.0	32.8	45.4	60.5	75.4	88.8	100.8	112.7	125.4
THROTTLE	5.2	5.2	5.6	5.9	6.1	6.3	6.5	6.7	7.1	7.5
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5
LOAD POINT	87.3	97.0	106.7	116.4	126.1	135.7	145.4	155.1	164.8	174.5
EMISSION RATE	139.3	153.6	166.9	177.8	185.7	191.6	196.6	200.2	195.6	166.8
THROTTLE	7.9	8.3	8.7	8.9	9.0	9.1	9.5	10.7	14.4	26.0
MANIFOLD	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2
SPEED POINT 2100.0										
LOAD POINT	-41.9	0.0	9.5	19.1	28.6	38.2	47.7	57.3	66.8	76.4
EMISSION RATE	18.8	31.5	47.9	59.1	70.1	84.0	100.8	118.0	132.7	143.2
THROTTLE	8.0	8.0	8.1	8.4	8.7	9.0	9.2	9.4	9.6	9.8
MANIFOLD	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
LOAD POINT	85.9	95.5	105.0	114.5	124.1	133.6	143.2	152.7	162.3	171.8
EMISSION RATE	150.8	158.9	171.1	189.7	213.6	235.9	235.9	230.2	203.7	197.9
THROTTLE	10.1	10.3	10.5	10.7	10.8	10.9	11.3	12.6	16.0	25.8
MANIFOLD	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.2
SPEED POINT 2400.0										
LOAD POINT	-50.8	0.0	9.4	18.8	28.1	37.5	46.9	56.3	65.6	75.0
EMISSION RATE	18.8	39.0	42.5	56.3	75.9	96.6	115.1	130.7	144.7	159.1
THROTTLE	11.1	11.1	11.2	11.5	11.8	12.1	12.2	12.3	12.5	12.8
MANIFOLD	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
LOAD POINT	34.4	93.8	103.2	112.5	121.9	131.3	140.7	150.1	159.4	168.8
EMISSION RATE	175.1	192.6	210.1	225.7	238.4	248.2	256.3	261.2	253.8	213.1
THROTTLE	13.2	13.6	14.0	14.3	14.3	14.1	14.0	14.5	17.2	25.8
MANIFOLD	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.2
SPEED POINT 2700.0										
LOAD POINT	-59.8	0.0	9.2	18.4	27.7	36.9	46.1	55.3	64.6	73.8
EMISSION RATE	18.8	44.6	60.0	80.2	99.2	117.0	133.6	149.0	163.1	176.1
THROTTLE	14.2	14.2	14.1	14.2	14.3	14.5	14.7	15.1	15.6	16.1
MANIFOLD	0.2	0.2	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6
LOAD POINT	83.0	92.2	101.5	110.7	119.9	129.1	138.4	147.6	156.8	166.0
EMISSION RATE	187.8	198.4	207.7	215.8	222.7	228.4	232.8	236.1	236.3	236.3
THROTTLE	16.7	17.4	18.2	19.0	20.0	21.0	22.1	23.3	24.6	25.9
MANIFOLD	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.4	0.2
SPEED POINT 3000.0										
LOAD POINT	-68.8	0.0	9.1	18.1	27.2	36.3	45.3	54.4	63.5	72.5
EMISSION RATE	18.8	46.7	54.5	66.6	82.6	101.9	123.4	145.8	168.3	190.6
THROTTLE	16.5	16.5	16.7	17.0	17.3	17.5	17.6	17.7	17.8	18.0
MANIFOLD	0.2	0.2	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
LOAD POINT	81.6	90.7	99.8	108.8	117.9	127.0	136.0	145.1	154.2	163.2
EMISSION RATE	213.3	237.1	262.8	290.3	317.7	341.1	354.3	350.8	327.2	286.5
THROTTLE	18.2	18.5	18.8	19.0	19.1	19.2	19.4	20.1	21.8	26.0
MANIFOLD	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.4	0.2
SPEED POINT 3300.0										
LOAD POINT	-77.8	0.0	8.5	16.9	25.4	33.9	42.3	50.8	59.3	67.7
EMISSION RATE	18.8	48.8	54.5	64.5	78.3	95.3	115.0	136.6	159.6	183.4
THROTTLE	19.5	19.5	19.8	20.1	20.3	20.5	20.6	20.7	20.7	20.8
MANIFOLD	0.2	0.2	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.5
LOAD POINT	76.2	84.7	93.1	101.6	110.1	118.5	127.0	135.5	143.9	152.4
EMISSION RATE	207.4	231.0	253.6	274.6	293.5	309.5	322.2	330.9	333.3	333.3
THROTTLE	20.7	20.8	20.8	21.0	21.3	21.9	22.6	23.6	24.8	26.0
MANIFOLD	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.4	0.2
SPEED POINT 3600.0										
LOAD POINT	-86.7	0.0	8.1	16.2	24.3	32.4	40.5	48.6	56.7	64.8
EMISSION RATE	18.8	51.1	60.1	71.3	84.7	99.9	116.8	135.1	154.8	175.8

THROTTLE	22.0	22.0	22.5	22.9	23.3	23.5	23.7	23.8	23.8	23.9
MANIFOLD	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5
LOAD POINT	72.9	81.0	89.1	97.2	105.3	113.4	121.5	129.5	137.6	145.7
EMISSION RATE	198.1	221.7	246.1	270.5	293.5	313.1	327.7	335.9	338.5	338.8
THROTTLE	24.0	24.0	24.1	24.3	24.4	24.5	24.7	25.0	25.4	26.0
MANIFOLD	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2

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