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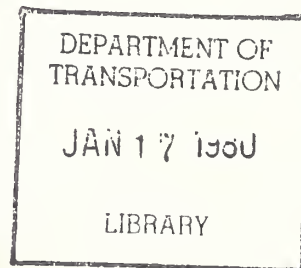
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AUTOMOTIVE MANUFACTURING ASSESSMENT SYSTEM  
VOLUME II: PRODUCT SCHEDULES OF ENGINE/DRIVETRAIN  
COMBINATIONS

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FINAL REPORT



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| 16. Abstract<br>Volume II, Product Schedules Of Engine/Driveline Combinations, is part of a four volume set documenting areas of research resulting from the development of the Automotive Manufacturing Assessment System (AMAS) for the DOT/Transportation Systems Center. AMAS was designed to assist in the evaluation of industry's capability to produce fuel efficient vehicles. Engine/driveline changes are the second most important contribution to fuel economy (weight reduction being the first) and are of major importance towards meeting emission standards. Through extensive synthesis of vehicle specifications and other data, chronological presentations were developed to illustrate engines and transmissions in production, engine/transmission and model/engine combinations, and automatic vs. manual transmission availability. Also shown are the progression of engine/driveline changes from 1975 through 1978; the correlation of these changes with new vehicle introductions; the restrictions on available drivetrain options due to emission requirements; and technological improvements including dieselization, fuel metering, lock-up torque converters, and front-wheel-drive.<br>Volume I, Master Product Schedules, portrays, chronologically, current and future product changes and technological advances for each domestic auto (1975-85), light truck (1975-80), and selected import manufacturers (1975-80).<br>Volume III, Materials-Weight Analysis, is a detailed compendium of material applications to automotive vehicles and components with emphasis on technological advances and weight reduction potential.<br>Volume IV, Engine Manufacturing Analysis, describes a complex modern high volume engine production facility (Ford Windsor Engine Plant) and assesses the impact of year-to-year model changes and government regulatory action on the manufacturing process. |  |  |   |  |           |
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## PREFACE

Volume II (Product Schedules of Engine/Driveline Combinations) was prepared for the Department of Transportation, Transportation Systems Center (TSC) and presents the results of research and analysis of the available engine, transmission, and rear axle combinations for all models of each domestic auto manufacturer for the model years 1975 through 1978. The work was directed by the Transportation Industry Analysis Branch under the sponsorship of the Energy Programs Division.

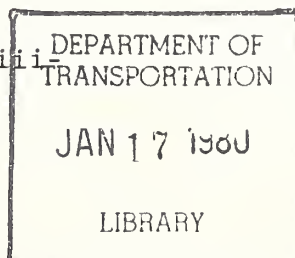
The motor vehicle manufacturers' ability to meet 1979-1985 fuel economy goals is heavily dependent upon the timeliness and degree by which they are able to reduce the size and weight of today's fleets, and incorporate more fuel efficient power plants, drivelines, safety, and emission control devices. By monitoring subtle changes in each domestic manufacturer's past and announced future engine/driveline combinations, a better understanding of the fuel economy and emission improvements is obtained. The results of this analysis are in the form of Engine/Driveline Product Schedules (Worksheets) and five different Summary Level charts which provide graphically, time phased relationships among combinations of engines, transmissions, models, and axle ratios for GM, Ford, Chrysler, and AMC.

This volume contains the results of one of four major areas investigated under the Automotive Manufacturing Assessment System (AMAS) which was designed to evaluate the capability of the automotive industry to produce fuel efficient cars and light trucks, and to assess the impact such conversions will have on producers and consumers. The other three areas are: Master Product Schedules (Volume I); Materials/Weight Analysis (Volume III); and Engine Manufacturing Analysis (Volume IV).

This volume is divided into five sections plus appendices. Section 1 describes the objectives of the analysis and presents the methodology used to develop the chronology of engine/driveline changes. Summary data and commentary for GM, Ford, Chrysler, and AMC are included in Sections 2, 3, 4 and 5 respectively. Supporting detailed information (Engine/Driveline Product Schedules) are located in the Appendices.

Corporate-Tech Planning wishes to acknowledge the guidance and assistance provided by Mr. George E. Byron, Transportation Industry Analysis Branch at TSC, who was the Technical Monitor for this program.

-iii-



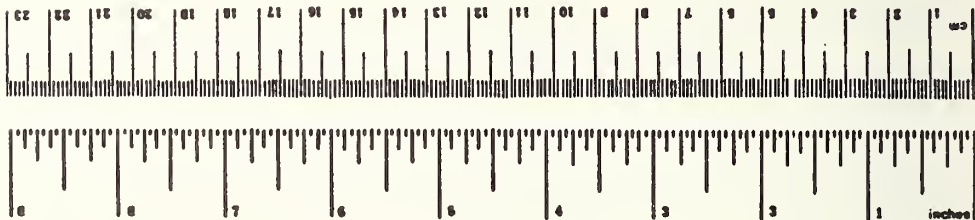
# METRIC CONVERSION FACTORS

## Approximate Conversions to Metric Measures

| Symbol                     | What You Know          | Multiply by                   | To Find             | Symbol          |
|----------------------------|------------------------|-------------------------------|---------------------|-----------------|
| <b>LENGTH</b>              |                        |                               |                     |                 |
| in                         | inches                 | 2.5                           | centimeters         | cm              |
| ft                         | feet                   | 30                            | centimeters         | cm              |
| yd                         | yards                  | 0.9                           | meters              | m               |
| mi                         | miles                  | 1.6                           | kilometers          | km              |
| <b>AREA</b>                |                        |                               |                     |                 |
| in <sup>2</sup>            | square inches          | 6.5                           | square centimeters  | cm <sup>2</sup> |
| ft <sup>2</sup>            | square feet            | 0.09                          | square meters       | m <sup>2</sup>  |
| yd <sup>2</sup>            | square yards           | 0.8                           | square meters       | m <sup>2</sup>  |
| mi <sup>2</sup>            | square miles           | 2.6                           | square kilometers   | km <sup>2</sup> |
|                            | acres                  | 0.4                           | hectares            | ha              |
| <b>MASS (weight)</b>       |                        |                               |                     |                 |
| oz                         | ounces                 | 28                            | grams               | g               |
| lb                         | pounds                 | 0.45                          | kilograms           | kg              |
|                            | short tons (2000 lb)   | 0.9                           | tonnes              | t               |
| <b>VOLUME</b>              |                        |                               |                     |                 |
| in <sup>3</sup>            | cubic inches           | 16.4                          | cubic centimeters   | cc              |
| cup                        | cup                    | 6                             | milliliters         | ml              |
| pt                         | pint                   | 16                            | milliliters         | ml              |
| qt                         | quart                  | 946                           | milliliters         | ml              |
| gal                        | gallon                 | 3.8                           | liters              | l               |
| cu ft                      | cubic feet             | 0.03                          | liters              | l               |
| yd <sup>3</sup>            | cubic yards            | 0.76                          | cubic meters        | m <sup>3</sup>  |
| <b>TEMPERATURE (exact)</b> |                        |                               |                     |                 |
| °F                         | Fahrenheit temperature | $(F - 32) \times \frac{5}{9}$ | Celsius temperature | °C              |

## Approximate Conversions from Metric Measures

| Symbol                     | What You Know                     | Multiply by                   | To Find                | Symbol          |
|----------------------------|-----------------------------------|-------------------------------|------------------------|-----------------|
| <b>LENGTH</b>              |                                   |                               |                        |                 |
| mm                         | millimeters                       | 0.04                          | inches                 | in              |
| cm                         | centimeters                       | 0.4                           | inches                 | in              |
| m                          | meter                             | 3.3                           | feet                   | ft              |
| mi                         | meters                            | 1.1                           | yards                  | yd              |
| km                         | kilometers                        | 0.6                           | miles                  | mi              |
| <b>AREA</b>                |                                   |                               |                        |                 |
| cm <sup>2</sup>            | square centimeters                | 0.16                          | square inches          | in <sup>2</sup> |
| m <sup>2</sup>             | square meters                     | 1.2                           | square yards           | yd <sup>2</sup> |
| km <sup>2</sup>            | square kilometers                 | 0.4                           | square miles           | mi <sup>2</sup> |
| ha                         | hectares (10,000 m <sup>2</sup> ) | 2.6                           | acres                  | ac              |
| <b>MASS (weight)</b>       |                                   |                               |                        |                 |
| g                          | grams                             | 0.035                         | ounces                 | oz              |
| kg                         | kilograms                         | 2.2                           | pounds                 | lb              |
| t                          | tonnes (1000 kg)                  | 1.1                           | short tons             | st              |
| <b>VOLUME</b>              |                                   |                               |                        |                 |
| ml                         | milliliters                       | 0.03                          | fluid ounces           | fl oz           |
| l                          | liters                            | 2.1                           | pints                  | pt              |
| l                          | liters                            | 1.06                          | quarts                 | qt              |
| l                          | liters                            | 0.26                          | gallons                | gal             |
| m <sup>3</sup>             | cubic meters                      | 36                            | cubic feet             | ft <sup>3</sup> |
| m <sup>3</sup>             | cubic meters                      | 1.3                           | cubic yards            | yd <sup>3</sup> |
| L                          | liters                            | 61.02                         | cubic inches           | in <sup>3</sup> |
| <b>TEMPERATURE (exact)</b> |                                   |                               |                        |                 |
| °C                         | Celsius temperature               | $(C \times \frac{9}{5}) + 32$ | Fahrenheit temperature | °F              |



## CONTENTS

| <u>Section</u> |   | <u>Page</u> |
|----------------|---|-------------|
| 1.             | INTRODUCTION AND SUMMARY                          | 1-1         |
|                | 1.1 Objectives                                    | 1-1         |
|                | 1.2 Detail Level Worksheets                       | 1-5         |
|                | 1.3 Summary Charts                                | 1-6         |
| 2.             | GENERAL MOTORS                                    | 2-1         |
|                | 2.1 Summary                                       | 2-1         |
|                | 2.2 Engines in Production                         | 2-1         |
|                | 2.3 Transmissions in Production                   | 2-3         |
|                | 2.4 Calendar of Engine/Transmission Combinations  | 2-3         |
|                | 2.5 Automatic vs Manual Transmission Availability | 2-4         |
|                | 2.6 Calendar of Model/Engine Combinations         | 2-5         |
| 3.             | FORD MOTOR COMPANY                                | 3-1         |
|                | 3.1 Summary                                       | 3-1         |
|                | 3.2 Engines in Production                         | 3-2         |
|                | 3.3 Transmissions in Production                   | 3-3         |
|                | 3.4 Calendar of Engine/Transmission Combinations  | 3-3         |
|                | 3.5 Automatic vs Manual Transmission Availability | 3-4         |
|                | 3.6 Calendar of Model/Engine Combinations         | 3-5         |
| 4.             | CHRYSLER CORPORATION                              | 4-1         |
|                | 4.1 Summary                                       | 4-1         |
|                | 4.2 Engines in Production                         | 4-2         |
|                | 4.3 Transmissions in Production                   | 4-2         |
|                | 4.4 Calendar of Engine/Transmission Combinations  | 4-3         |
|                | 4.5 Automatic vs Manual Transmission Availability | 4-3         |
|                | 4.6 Calendar of Model/Engine Combinations         | 4-4         |
| 5.             | AMERICAN MOTORS CORPORATION                       | 5-1         |
|                | 5.1 Summary                                       | 5-1         |
|                | 5.2 Engines in Production                         | 5-1         |
|                | 5.3 Transmissions in Production                   | 5-2         |
|                | 5.4 Calendar of Engine/Transmission Combinations  | 5-2         |
|                | 5.5 Automatic vs Manual Transmission Availability | 5-3         |
|                | 5.6 Calendar of Model/Engine Combinations         | 5-3         |

## CONTENTS (Continued)

|  | <u>Page</u> |
|--|-------------|
| APPENDIX A - GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE<br>PRODUCT SCHEDULE  | A-1         |
| APPENDIX B - FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT<br>SCHEDULE            | B-1         |
| APPENDIX C - CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT<br>SCHEDULE        | C-1         |
| APPENDIX D - AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE<br>PRODUCT SCHEDULE | D-1         |
| APPENDIX E - REPORT OF NEW TECHNOLOGY  | E-1         |

## LIST OF ILLUSTRATIONS

| <u>Figure</u> |   | <u>Page</u> |
|---------------|---|-------------|
| 1-1.          | Effect on Fuel Consumption and Performance of<br>Decreased Axle Ratio | 1-2         |
| 1-2.          | Engine/Driveline Schedule Methodology                                 | 1-4         |
| 2-1.          | GM Engines in Production, 1975-81                                     | 2-6         |
| 2-2.          | GM Transmissions in Production, 1975-80                               | 2-12        |
| 2-3.          | GM Calendar of Engine/Transmission Combinations,<br>1975-80           | 2-13        |
| 2-4.          | GM Automatic vs Manual Transmission Availability,<br>1975             | 2-18        |
| 2-5.          | GM Automatic vs Manual Transmission Availability,<br>1976             | 2-19        |
| 2-6.          | GM Automatic vs Manual Transmission Availability,<br>1977             | 2-20        |
| 2-7.          | GM Automatic vs Manual Transmission Availability,<br>1978             | 2-21        |
| 2-8.          | GM Calendar of Model/Engine Combinations, 1975-79                     | 2-22        |
| 3-1.          | Ford Engines in Production, 1975-79                                   | 3-6         |
| 3-2.          | Ford Transmissions in Production, 1975-78                             | 3-7         |
| 3-3.          | Ford Calendar of Engine/Transmission Combinations,<br>1975-78         | 3-8         |
| 3-4.          | Ford Automatic vs Manual Transmission Availability,<br>1975-78        | 3-9         |
| 3-5.          | Ford Calendar of Model/Engine Combinations,<br>1975-78                | 3-10        |



## LIST OF ILLUSTRATIONS (Continued)

| <u>Figure</u>   | <u>Page</u> |
|---|-------------|
| 4-1. Chrysler Engines in Production, 1975-79                          | 4-5         |
| 4-2. Chrysler Transmissions in Production, 1975-78                    | 4-6         |
| 4-3. Chrysler Calendar of Engine/Transmission Combinations, 1975-78   | 4-7         |
| 4-4. Chrysler Automatic vs Manual Transmission Availability, 1975-78  | 4-8         |
| 4-5. Chrysler Calendar of Model/Engine Combinations, 1975-78          | 4-9         |
| 5-1. AMC Engines in Production, 1975-79                               | 5-4         |
| 5-2. AMC Transmissions in Production, 1975-78                         | 5-5         |
| 5-3. AMC Calendar of Engine/Transmission Combinations, 1975-78        | 5-6         |
| 5-4. AMC Automatic vs Manual Transmission Availability, 1975-78       | 5-7         |
| 5-5. AMC Calendar of Model/Engine Combinations, 1975-78               | 5-8         |
| A-1. GM Engine-Transmission-Rear Axle Product Schedule, 1975-80       | A-2         |
| B-1. Ford Engine-Transmission-Rear Axle Product Schedule, 1975-80     | B-2         |
| C-1. Chrysler Engine-Transmission-Rear Axle Product Schedule, 1975-80 | C-2         |
| D-1. AMC Engine-Transmission-Rear Axle Product Schedule, 1975-80      | D-2         |

## LIST OF TABLES

| <u>Table</u>   | <u>Page</u> |
|--|-------------|
| A-1. Notes for GM Engine-Transmission-Rear Axle Product Schedule       | A-1         |
| B-1. Notes for Ford Engine-Transmission-Rear Axle Product Schedule     | B-1         |
| C-1. Notes for Chrysler Engine-Transmission-Rear Axle Product Schedule | C-1         |
| D-1. Notes for AMC Engine-Transmission-Rear Axle Product Schedule      | D-1         |

## LIST OF ABBREVIATIONS

|          |  |
|----------|--|
| A/C      | Air Conditioner(ing)   |
| A.I.     | Automotive Industries  |
| AMAS     | Automotive Manufacturing Assessment System                         |
| AMC      | American Motors Corporation  |
| CAFE     | Corporate Average Fuel Economy                                     |
| CID      | Cubic Inch Displacement  |
| CTP      | Corporate-Tech Planning Inc.                                       |
| DOT      | U. S. Department of Transportation                                 |
| EFI      | Electronic Fuel Injection  |
| FI       | Fuel Injection   |
| FIOD     | Ford Integral Overdrive  |
| GM       | General Motors Corporation   |
| HO(H-O)  | High Output  |
| L(ℓ)     | Liter  |
| M        | Modified   |
| MPH(mph) | Miles Per Hour   |
| MVMA     | Motor Vehicle Manufacturers Association of the United States, Inc. |
| OHC      | Overhead Camshaft  |
| OHV      | Overhead Valve   |
| PROCO    | Programmed Combustion  |
| R        | Reverse  |
| THM      | Turbo Hydramatic   |
| TSC      | Transportation Systems Center                                      |
| V        | Venturi (Carburetor Barrel)  |
| VV       | Variable Venturi   |
| VW       | Volkswagen   |
| W        | Windsor  |
| W.A.R.   | Ward's Automotive Reports  |
| W.E.U.   | Ward's Engine Update   |

## 1. INTRODUCTION AND SUMMARY

### 1.1 OBJECTIVES

It is widely recognized that total vehicle systems engineering optimizes the design of a new vehicle. It results in the combination of improved engines and drivetrains, suspensions, aerodynamic drag, tires, etc. and weight reduction (downsizing) while allocating a larger proportion of the available space to the passenger compartment.

This report addresses specific engine/driveline offerings of the four domestic manufacturers and provides a chronological perspective of the introduction of new engine and driveline combinations. The degree of engine changes and the extent to which they coincide with yearly model changes and downsizing plans (as shown in Volume I, Master Product Schedules) is essential to the understanding of each manufacturer's strategy to meet fuel economy and emission goals. To this end, a complete inventory of all engines and transmissions used from 1975 through 1978 by each manufacturer is detailed.

Engine/driveline changes are the second most important contribution to fuel economy (weight reduction being first) and are of major importance towards meeting emission standards. If all other factors are kept constant, lower axle ratios (or N/V) decrease fuel consumption until a minimum is reached (Figure 1-1) but at the expense of increased 0-60 mph acceleration time (decreased performance). When vehicle weight is reduced (and axle ratio is held constant), fuel consumption is also reduced and acceleration performance is improved. A lowering of axle ratio sufficient to maintain equivalent performance improves fuel economy further, above that gained by just the change in weight. A change in engine displacement (CID) results in almost the same change in fuel consumption as a change in axle ratio with the same effect on acceleration performance.

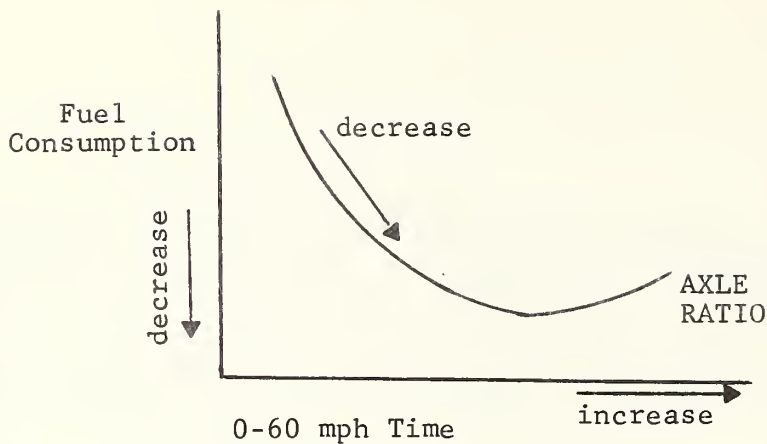


FIGURE 1-1. EFFECT ON FUEL CONSUMPTION AND PERFORMANCE OF DECREASED AXLE RATIO

As a result of the minimum fuel consumption reached with the decrease in axle ratio (Figure 1-1), it is engine size which basically determines acceleration performance for a given weight. "Axle ratio changes can be used to trade-off performance for fuel economy only over a very limited range."\* Therefore, for any given performance level and vehicle weight, there is an optimum engine size to achieve minimum fuel consumption. Moreover, at the point of optimum size fuel consumption increases only slightly with small changes in engine size. For this reason, engine sizes usually vary by 30-50 CID with fine tuning for a specific performance level or fuel economy accomplished by minor changes in the axle ratio.

The data presented offers a method of observing the pattern of matching power team combinations to vehicle offerings on a year-to-year basis by each manufacturer. It becomes evident that the more combinations a manufacturer has at his disposal, the more efficient he can systems engineer vehicles to meet emissions and fuel economy standards at a minimum cost. General Motors has a wide assortment of engines and drivetrains to choose from whereas AMC is extremely limited and Chrysler and Ford are somewhere in between.

---

\*Marks, C., and Niepoth, G., Car Design for Economy and Emissions, SAE Paper 750954 presented at Automotive Engineering and Manufacturing Meeting, Detroit, October 1975.

Having laid out the engine/drivetrain usage by year, this data can then be correlated with plant and facilities to determine which plants will be affected by changes and to what extent. An attempt was made to identify sources of the components (especially the transmissions), whenever possible, to aid in this analysis.

A complete inventory of all engine/drivetrain combinations for each domestic car produced by General Motors, Ford, Chrysler, AMC, and, where data was available, the captive imports of these manufacturers is provided for 1975 to 1978 model vehicles with some 1979 and 1980 information included as available.

This analysis also provides an overview of what technological advances each manufacturer employs in such areas as diesels, fuel metering, lock-up torque converters, and front-wheel-drive. An integrated compilation of information is provided as a research tool which assimilates the extensive data available on engines and drivetrains.

The methodology employed to compile the data is shown in Figure 1-2. A format was developed to organize that information or attributes which has the most affect on fuel economy from one model year to the next by: engine type, size and code; transmission type, forward speeds, and gear ratios; axle ratios; and models using these different combinations. Motor Vehicle Manufacturers Association (MVMA) specifications for each model for the years 1975 through 1978 were the primary data source. In some cases, inconsistencies and errors in the specification data were clarified by direct contact with the manufacturer.

The extensive data was consolidated on detailed worksheets. Called Engine/Driveline Product Schedules, they were developed for General Motors, Ford, Chrysler, and AMC and are located in Appendices A through D respectively, along with more detailed discussion in Section 1.2. From these detail level worksheets, five different summary level charts for each manufacturer were developed to illustrate the interrelationship among model year, engine, transmission, and model. These charts are explained in Section 1.3 and are found in Sections 2 through 5 along with individual descriptive text.

ENGINE - TRANSMISSION - REAR AXLE PRODUCT SCHEDULES

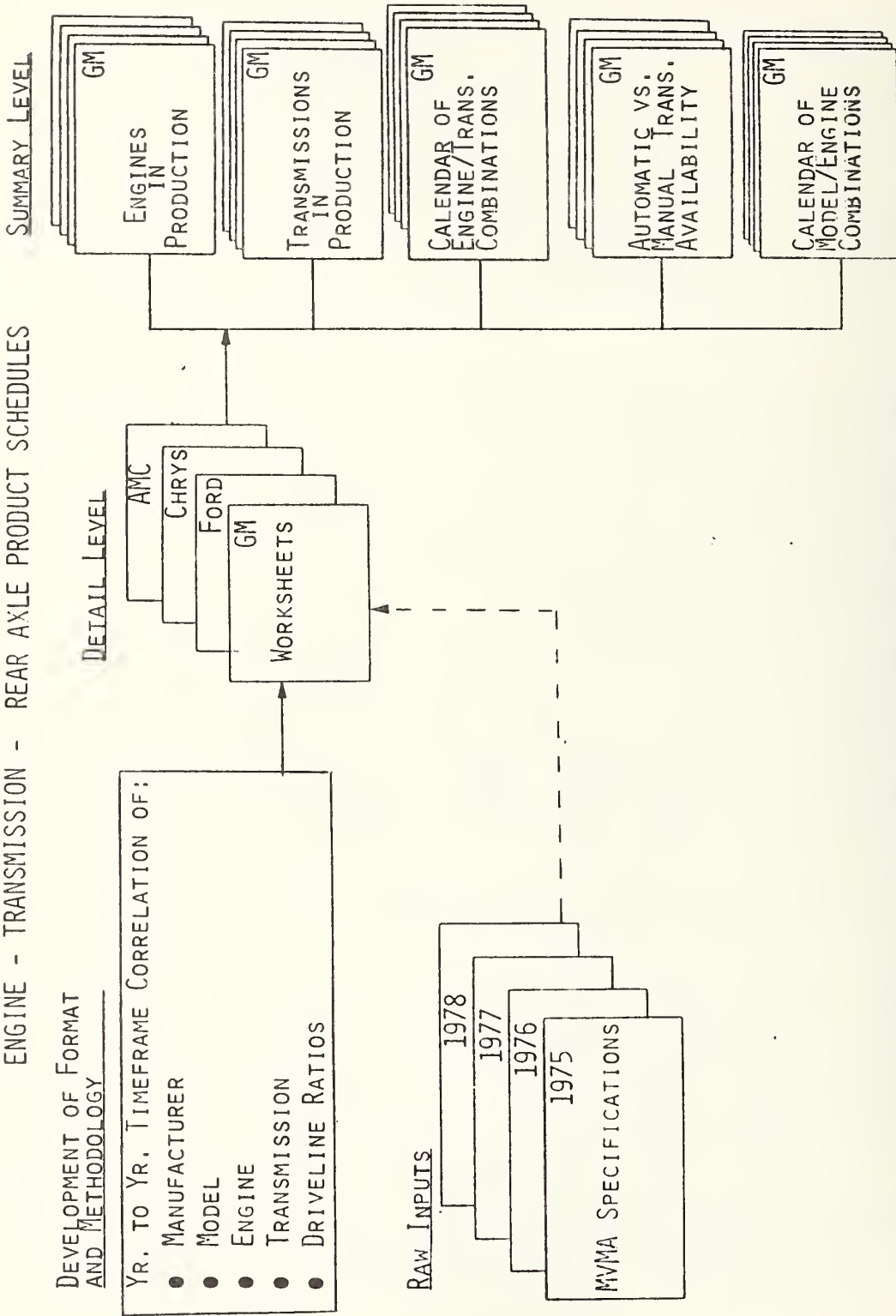


FIGURE 1-2. ENGINE/DRIVELINE SCHEDULE METHODOLOGY

## 1.2 DETAIL LEVEL WORKSHEETS

The engine-transmission-rear axle product schedule melds drive-line information from many different MVMA Specification areas into one composite presentation. Defined as detail level worksheets, a set for GM, Ford, Chrysler, and AMC are found in Appendices A through D respectively. All of the summary level figures and tables were derived from data presented in these worksheets.

Because engine changes are much less frequent, than say the year-to-year model changes, engine manufacturer and type is used as the basic data identifier for worksheet entry. Once the engine is located, the different transmissions, axles, and models used with each engine can then be determined. One or more manual or automatic transmissions may be used by each engine. New or discontinued engines are given particular note. Special engine types and applications (transverse, diesel, etc.) are identified to assist in determining ranges of applications for a given engine size. The engines are listed in the order of increasing cubic inch displacement (liters for many). Other information included: engine type (IL-4, V-6, IL-6, V-8); fuel metering (1V, 2V, 4V, FI, VV); division (GM only); and engine manufacturing code (GM only when available).

The transmissions which are used by each engine are then shown for each year 1975 through 1978. Transmissions are first broken down by type (manual or automatic) with the make or code (i.e., Chevrolet, THM 300, etc.) for each transmission prominently listed. The forward speeds and gear ratios (for all forward speeds and reverse) are then listed for each year the transmission was used by each engine. The addition of a new transmission to the inventory is signified by a bold outlining of the forward speeds and gear ratios in the year offered. A "new" transmission is defined as one of all new design or a change in gear ratios from the previous year. All manufacturers have a wide variety of rear axle ratio combinations for matching engine/transmission combinations. Changes of these ratios are relatively easy to make and, in fact, are done frequently by each manufacturer to maximize performance, fuel economy, and emissions benefits. As a result, axle ratio changes are not considered new in this analysis even if an all new rear axle is offered.

All axle ratios used with each transmission are then shown. Notation is used to identify which ratios are available for each of the different emission requirements (Federal, California, high altitude). Ratios are also shown by vehicle model so that variances between different models using the same engine and transmission combinations can be easily identified. Vehicle models which are all new (as defined in Volume I, Master Product Schedules) are identified in bold outline for the appropriate year. With this system, new transmissions and engines which are introduced specifically for a new car can be determined. Specific and general explanatory notes are given in a table at the beginning of the worksheets.

The detail worksheets are best used to determine the gear ratios for different transmissions and the axle ratios used with different models or to determine more detailed information pertaining to availability based on the different emission requirements. The summary charts found in Sections 2 through 5 provide information on the production and matching of different engines and transmissions for 1975 through 1978 for each manufacturer and the usage of each engine and transmission type by model for each of those years. The summary charts are explained in Section 1.3.

### 1.3 SUMMARY CHARTS

Due to the complexity and quantity of information provided at the detailed worksheet level, a series of five additional charts were designed in order to summarize, by manufacturer, significant results and conclusions. The objective of these charts was to provide a guide to the engine/driveline trends of each manufacturer and to provide a base for projecting future trends.

Some of the trends deduced from the summary charts include:

- 1) The use of more manual transmissions especially four and five speed manuals;
- 2) Reduction in the number of V-8 engines especially large block V-8's;



- 3) The increase in the number and use of L-4 and V-6 engines;
- 4) The addition of lock-up torque converters to automatic transmissions; and
- 5) The addition of transverse mounted engines and the conversion of current engines to transverse mounting to accommodate more front-wheel-drive vehicles.

These summary charts provide the following additional information:

- a) Engines in Production - Indicates historical and projected use of engines by an auto manufacturer. The year new engines are introduced and the year in which engines were deleted is clearly shown;
- b) Transmissions in Production - Displays historical and projected transmission usage including new and discontinued transmissions. Manual and automatic transmissions are segregated; the number of forward speeds and the first gear ratio are shown for each transmission as well as the manufacturer (division or independent supplier when known);
- c) Calendar of Engine/Transmission Combinations - Depicts all engines and transmissions and how they were matched by model year;
- d) Automatic vs. Manual Transmission Availability - Shows which vehicle models use each engine by transmission type (manual or automatic);
- e) Calendar of Model/Engine Combinations - Displays the evolution of engine usage from 1975 to 1980. New vehicle model and engine introductions are highlighted.

The overall trend to smallness, as vehicles are downsized and front-wheel-drive is used more extensively, is readily apparent. In addition to this trend of smallness, there is also a large number of new engines scheduled for introduction which will improve tremendously the industry's flexibility for providing the optimum vehicle/power train combination to meet the more stringent fuel economy and emission standards. This trend is especially pronounced for GM, and for other manufacturers after 1980, as the Master Product Schedules (Volume I) illustrate.

Similarities and differences between manufacturers are easy to determine by taking each manufacturer's summary charts and making direct comparisons. For instance, American Motors is highly dependent on outside suppliers for their transmissions and, in some cases, engines while Chrysler, Ford, and GM are not; as GM was the first to actively pursue downsizing, they have been dropping large block V-8's where Chrysler and Ford have been slower to follow; Chrysler was the first to introduce lock-up torque converters for automatic transmissions; GM makes many minor carburetor and other engine modifications to existing power plants to tune them better to the requirements of the vehicles in which they are going to be installed; and GM was the first to offer a diesel engine or turbo-charging in the quest for increased fuel economy.

AMC is more dependent upon technology improvements achieved by its suppliers (i.e., GM for emission control systems)--hence AMC advances in driveline and engine fuel economy and emission controls will reflect what these sources have to offer.

## 2. GENERAL MOTORS

### 2.1 SUMMARY

General Motors has a large number of engine/transmission combinations to support a line of thirty-one models. Over the period of 1975 to 1980, GM will have used more than fifty-four different engines or engine derivatives and twenty-six different transmissions (nineteen manual and seven automatic) for these models. In 1978 alone, a total of twenty-nine engines and eighteen transmissions (thirteen manual and five automatic) were offered. Over the next few years, General Motors has scheduled the introduction of a large number of new engines and derivatives to meet increased fuel economy and emission goals. These introductions include such features as smaller size displacement, light weight construction, higher power output, turbocharging, dieselization, transverse mounting, and new carburetion and fuel metering designs.

Most GM automatic transmissions are produced by Hydramatic Division for the various car divisions. A limited number of automatics such as the CBC 350, however, are produced jointly by the Chevrolet Division and the Canadian Division. In this analysis, all CBC 350 transmissions are identified as THM 350's for the sake of simplicity due to their essentially identical characteristics. In most cases, the choice between the Chevrolet and Hydramatic versions is a manufacturing option.

The detailed information worksheets (engine-transmission-rear axle product schedule) for General Motors are found in Appendix A. The summary charts are described in Sections 2.2 through 2.6 (Figures 2-1 through 2-8).

### 2.2 ENGINES IN PRODUCTION (Figure 2-1)

This figure displays the production availability of all General Motors engines from 1975 through 1978. Those new engines which have been scheduled for introduction in 1979 and 1980, as publicly reported, are also identified to show future trends. For this analysis, a "new" engine signifies any modification to the engine or fuel metering system which results in a new manufacturer engine code.

Engine description includes: type, size (in CID), fuel metering (number of carburetor barrels or fuel injection, EFI), engine code, and division. Important characteristics pertaining to specific engines are also shown (i.e., turbocharged, diesel, light weight, transverse, high performance).

Fifty-four engines are listed for use during the period 1975 through 1980. Of these, thirty-one were introduced during this period: eleven new four cylinder engines; seven new V-6 engines; six new small V-8's (305 CID or less); and seven new large block V-8's (350 CID to 425 CID). During this period nineteen engines were dropped: five four-cylinder engines (four of which were Chevrolet aluminum block engines: 122 CID-FI, LY3; 140 CID-1V, L13; 140 CID-2V, L11; and 140 CID-2V, high-output); one V-6 (the Buick odd firing 231 CID V-6 which was replaced by an even firing version); one small V-8 (the 262 CID Chevy V-8, a new small block Chevy V-8 is currently in development); and twelve large block V-8's (350 CID or larger, six of them 454 CID or larger). New engines of special note in 1978 were the Oldsmobile diesel 350 CID V-8 engine and two new 231 CID V-6 turbocharged engines (one 2-barrel and one 4-barrel carburetor). Refer to Figure 2-8 for a correlation of these engines against model changes (described in Section 2.6).

Items of particular note which require some additional comment are discussed below. Chevrolet introduced a new 97.6 CID engine in 1978 (the LW5) which uses a different carburetor than the LY5 97.6 CID and has a higher power output. Since the 85 CID engine was discontinued, the LW5 is used as an optional engine for the Chevette with the LY5 standard. In 1976 Chevy introduced the 122 CID LY3 4-cylinder aluminum block engine which was a destroked 140 CID aluminum block engine. The 122 CID engine was an overhead camshaft version with fuel-injection and a much higher power output specifically designed for the Cosworth Vega hatchback sport model which was discontinued in 1977. Pontiac introduced their new "Iron Duke" 151 CID LX6 engine for 1977 and the LS6 version specifically for the California emission standards in 1978. Chevrolet produces four different four-barrel carburetor 350 CID engines: the LM1 is the

standard engine; the L48 is a high power sport version used only by the Z28 series Camaro; the L48 is the standard engine used by the Corvette; and the L82 is the higher power output version optional on the Corvette. The Pontiac W72 version of their L78 400 CID-4V engine is a high power engine used only on the Firebird Formula and Trans Am series sports cars.

### 2.3 TRANSMISSIONS IN PRODUCTION (Figure 2-2)

This chart depicts the transmission usage for General Motors from 1975 through 1978 with projections for 1979 and 1980. Information provided pertaining to each transmission includes: the number of forward speeds, first gear ratio, manufacturer (GM Division or independent supplier), and transmission code number for automatic transmissions. Bold outlining highlights the introduction year for new transmissions. Of the twenty-six transmissions listed, eighteen of them were used in 1978 (thirteen manual and five automatic). The automatic transmissions (which GM calls Turbo Hydramatic) are distinguished by code numbers. A code ending in 25 (i.e., THM 325) designates a front-wheel-drive configuration. The THM 125 transverse automatic is projected for introduction in 1980 for use on the new front-wheel-drive compact X-bodies.

All GM automatic transmissions are currently three-speed without lock-up torque converters, although four-speed and lock-up versions are projected in the future (see Volume I). New smaller and lighter transmissions (THM 180 and THM 200) have been added in recent years for use with the new generation of smaller lighter engines and vehicles.

Many new manual gear boxes have been added since 1976 which utilize new gear ratios; the addition of five-speed combinations are the most significant. It is observed that GM makes frequent changes in manual transmissions, while the automatics are more stable.

### 2.4 CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS (Figure 2-3)

This chart matches the different engines and transmissions in use from 1975 through 1978. Laid out in matrix form, the year that

each engine was mated with a given transmission is shown by year slots in the matrix center; projected usage for 1979 and 1980 is also shown. Engine and transmission descriptions are consistent with those given in Figures 2-1 and 2-2 (Engines and Transmissions in Production).

By studying this chart, several trends in the use of engines and transmissions can be observed. An increased number of four and six cylinder engines are being offered with four and five speed manual transmissions as the public has become aware of the increased fuel economy potential of these combinations. Also apparent is the increased availability of more than one type of automatic transmission for each engine. This is especially evident with the THM 200 and THM 250 transmissions which are common with many engines, often as engineering options. This allows GM the alternative of using a lighter weight transmission for smaller load ranges such as in coupes, and a heavier one for those vehicles (such as wagons) requiring it.

#### 2.5 AUTOMATIC VS MANUAL TRANSMISSION AVAILABILITY (Figures 2-4 through 2-7)

This is a convenient summary of the availability of manual and automatic transmissions for each model/engine combination recognizing that in many combinations only one transmission type is offered. In this presentation, all of the combinations by transmission type are given by model year (one figure for each year, 1975-1978). The models are categorized by market class as defined in Volume I, Master Product Schedules, to assist in making vehicle to vehicle comparisons. Engine descriptions are consistent with those given in Figure 2-1 (Engines in Production); bold outlining signifies new introductions in the applicable years.

Several observations can be made from this data. Manual transmissions are not usually used in large V-8 engines except in specialty sport models (i.e., Corvette, Firebird, Camaro); four and six cylinder engines are generally available with both automatic and manual transmissions.

## 2.6 CALENDAR OF MODEL/ENGINE COMBINATIONS (Figure 2-8)

Similar in format to "Automatic vs Manual Transmission Availability" (except that transmission type has been deleted and all information for years 1975 through 1980 has been consolidated), this chart illustrates that some engines were specifically introduced for use on particular new vehicles. Models are broken down by market class with the year each model was new (from 1975 through 1978) shown after the name. Engine information is similar to the other charts except that the introduction year (from 1975 through 1980) is also given. Time slots (similar to those used in Figure 2-3, Calendar of Engine/Transmission Combinations) depict available engine/vehicle combinations for each model year. Projected usage for 1979 and 1980 is shown by the use of parenthesis. Whenever a new model and engine are simultaneously introduced in a given year, bold outlining around the year highlights the event.

The trend towards models with smaller engines can be seen as the larger V-8 engines are dropped and new V-6 and 4-cylinder engines are added. Frequently, changes in engine sizes offered coincide with vehicle downsizing and weight reduction programs. Examples of new smaller engines accompanying new vehicle sizes include: the 1976 introduction of the Chevette and its accompanying two small 4-cylinder engines; the new 196 CID and 200 CID V-6 engines introduced in 1978 for the downsized intermediate models; the new 425 CID V-8 engine introduced in 1977 for the downsized Cadillacs; and the new 403 CID Oldsmobile V-8 engine introduced in 1977 for use on the downsized standard full-size vehicles.

On occasion, however, use of smaller engines (particularly as standard equipment) precedes vehicle downsizing; this also results in improved fuel economy but with some sacrifice in performance. Examples of engine size reduction without vehicle downsizing include: the 1977 addition of the 151 CID 4-cylinder engine to the Ventura/Phoenix and the 1976 addition of the 231 CID V-6 engine to the LeSabre.

| ENGINE                                 | MODEL YEAR |      |              |              |              |      |      |
|--|------------|------|--------------|--------------|--------------|------|------|
|  | 1975       | 1976 | 1977         | 1978         | 1979         | 1980 | 1981 |
| IL-4<br>85CID-1V<br>LX3 (CHEVY)        | NEW        | [ ]  |              |              | DISCONTINUED |      |      |
| IL-4<br>97.6CID-1V<br>LY5 (CHEVY)      | NEW        | [ ]  |              |              |              | [ ]  |      |
| IL-4<br>97.6CID-1V<br>LW5 (CHEVY)      |            |      | NEW          | [ ]          | [ ]          |      |      |
| IL-4<br>110.8CID-2V<br>(ISUZU)         | NEW        | [ ]  |              |              |              | [ ]  |      |
| IL-4<br>122CID-FI<br>LY3 (CHEVY)       | NEW        | [ ]  | DISCONTINUED |              |              |      |      |
| IL-4<br>140CID-1V<br>L13 (CHEVY)       | [ ]        |      |              | DISCONTINUED |              |      |      |
| IL-4<br>140CID-2V<br>L11 (CHEVY)       | [ ]        |      |              |              | DISCONTINUED |      |      |
| IL-4<br>140CID-2V<br>HI-OUTPUT (CHEVY) | [ ]        |      |              | DISCONTINUED |              |      |      |
| IL-4<br>151CID-2V<br>LX6 (PONTIAC)     |            | NEW  | [ ]          |              |              | [ ]  |      |
| IL-4<br>151CID-2V<br>LS6 (PONTIAC)     |            |      | NEW          | [ ]          | [ ]          |      |      |

FIGURE 2-1. GM ENGINES IN PRODUCTION, 1975-81  
2-6



| ENGINE  | MODEL YEAR |      |      |      |      |      |              |
|---|------------|------|------|------|------|------|--------------|
|   | 1975       | 1976 | 1977 | 1978 | 1979 | 1980 | 1981         |
| IL-4<br>151CID<br>HI-PERFORMANCE<br>(PONTIAC) |            |      |      | NEW  | [ ]  |      |              |
| IL-4<br>151CID<br>TURBO (PONTIAC)             |            |      |      | NEW  | [ ]  |      |              |
| IL-4<br>151CID<br>LT. WEIGHT<br>(PONTIAC)     |            |      |      |      | NEW  | [ ]  |              |
| IL-4<br>151CID<br>TRANSVERSE<br>(PONTIAC)     |            |      |      |      |      | NEW  | [ ]          |
| ----- 6 CYLINDER -----                        |            |      |      |      |      |      |              |
| V-6 (60°)<br>171CID<br>TRANSVERSE<br>(CHEVY)  |            |      |      |      |      | NEW  | [ ]          |
| V-6<br>196CID-2V<br>LC9 (BUICK)               |            |      |      | NEW  | [ ]  |      |              |
| V-6<br>200CID-2V<br>L26 (CHEVY)               |            |      |      | NEW  | [ ]  |      |              |
| V-6<br>231CID-2V<br>LD7 (BUICK)               | NEW        |      |      |      |      |      | DISCONTINUED |
| V-6 (EVEN FIRING)<br>231CID-2V<br>LD5 (BUICK) |            |      |      | NEW  | [ ]  |      |              |

FIGURE 2-1. GM ENGINES IN PRODUCTION, 1975-81 (CONTINUED)

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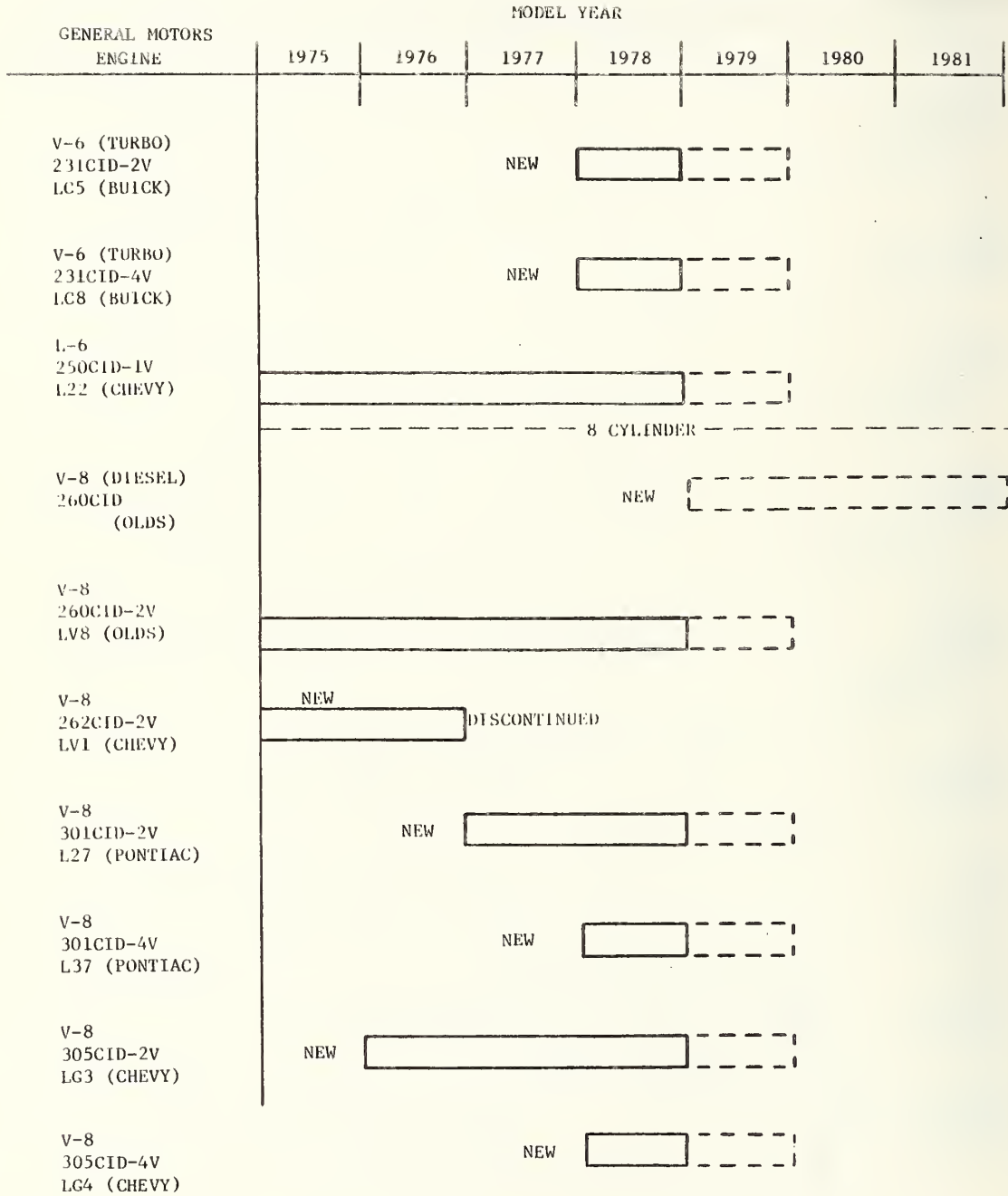


FIGURE 2-1. GM ENGINES IN PRODUCTION, 1975-81 (CONTINUED)

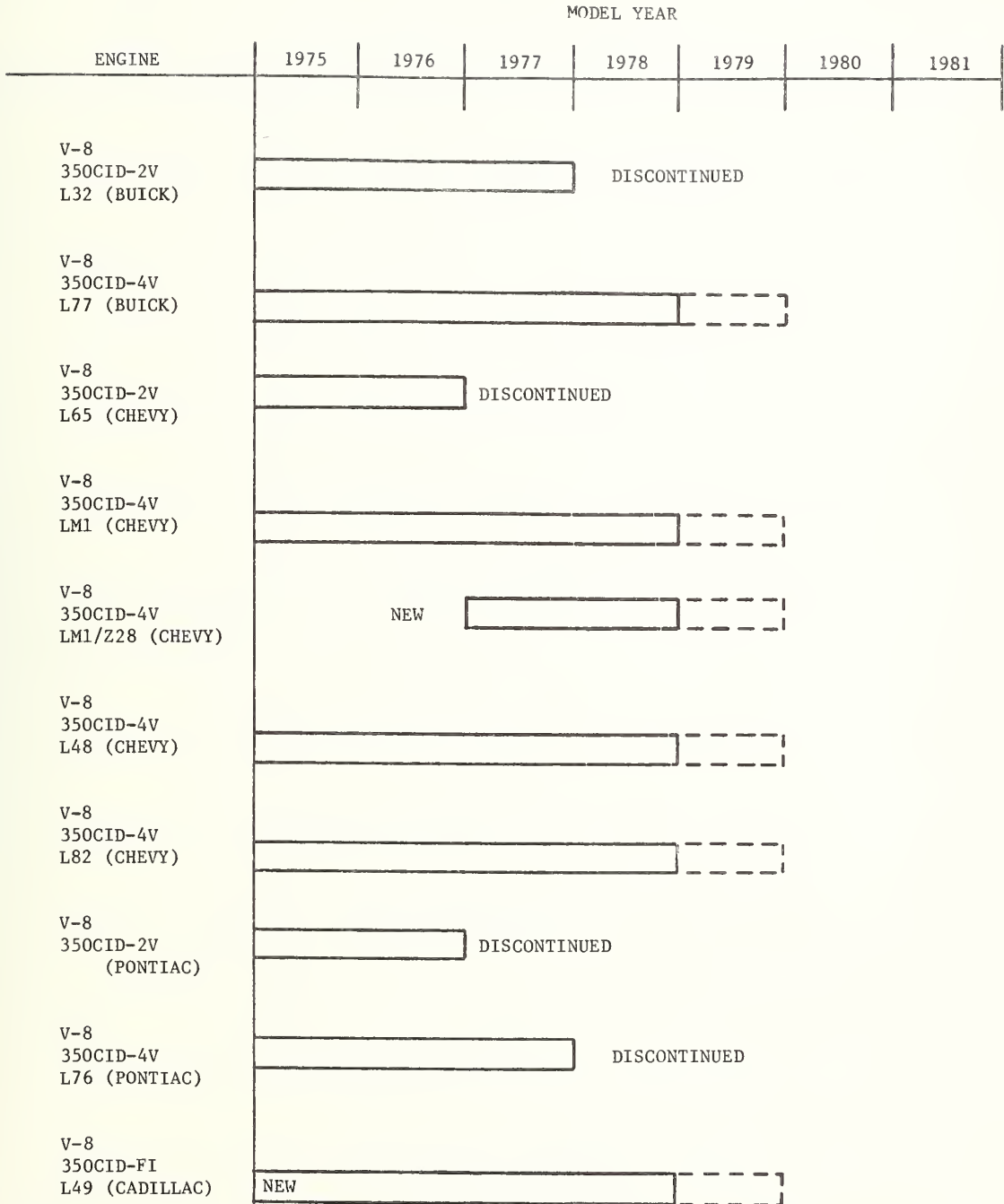


FIGURE 2-1. GM ENGINES IN PRODUCTION, 1975-81 (CONTINUED)

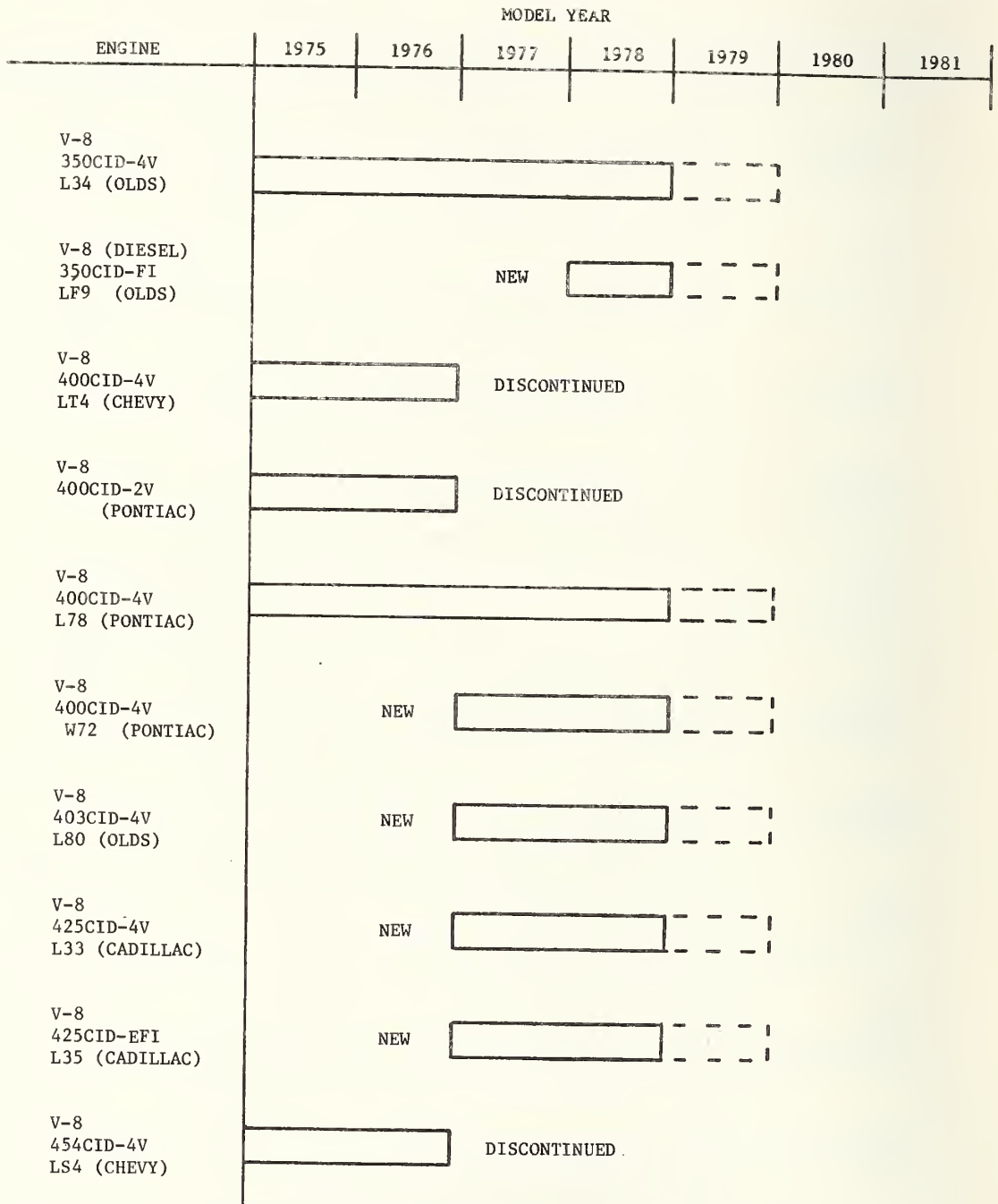


FIGURE 2-1. GM ENGINES IN PRODUCTION, 1975-81 (CONTINUED)

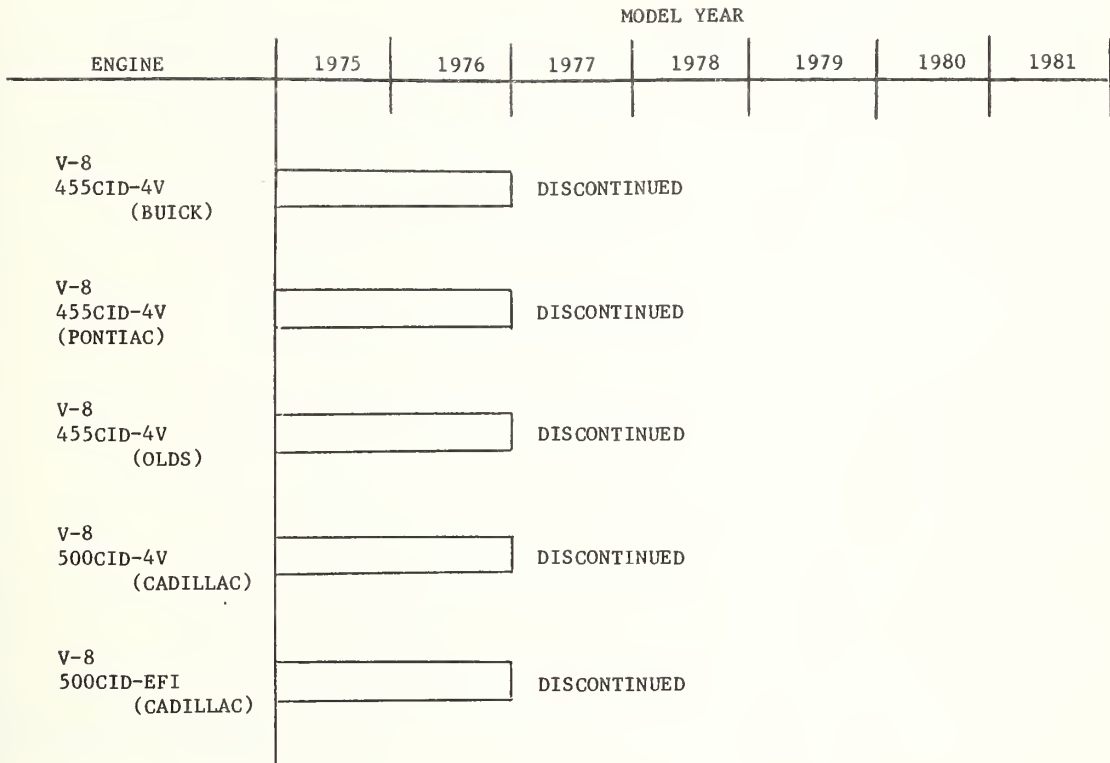


FIGURE 2-1. GM ENGINES IN PRODUCTION,  
1975-81 (CONCLUDED)

| GENERAL MOTORS           |      | FORWARD SPEEDS<br>GEAR RATIO IN FIRST<br>MANUFACTURER |        | TYPE      | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 |
|--------------------------|------|---|--------|-----------|------|------|------|------|------|------|------|------|
|                          |      |   |        |           |      |      |      |      |      |      |      |      |
| DAIKIN                   | 3.51 | 5   | MANUAL |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.41 | 5   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.40 | 5   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.10 | 5   |        |           |      |      |      |      |      |      |      |      |
| BORG & BECK              | 3.75 | 4   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.75 | 4   |        |           |      |      |      |      |      |      |      |      |
| DAIKIN                   | 3.51 | 4   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.50 | 4   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.11 | 4   |        |           |      |      |      |      |      |      |      |      |
| BORG & BECK              | 2.85 | 4   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 2.85 | 4   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 2.64 | 4   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 2.54 | 4   |        |           |      |      |      |      |      |      |      |      |
| BORG & BECK              | 2.43 | 4   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 2.43 | 4   |        |           |      |      |      |      |      |      |      |      |
| BORG & BECK              | 3.50 | 3   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.50 | 3   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 3.11 | 3   |        |           |      |      |      |      |      |      |      |      |
| CHEVROLET                | 2.85 | 3   |        |           |      |      |      |      |      |      |      |      |
| TURBO HYDRAMATIC THM 125 |      | 3   |        | AUTOMATIC |      |      |      |      |      |      |      |      |
| TURBO HYDRAMATIC THM 180 | 2.40 | 3   |        |           |      |      |      |      |      |      |      |      |
| TURBO HYDRAMATIC THM 200 | 2.74 | 3   |        |           |      |      |      |      |      |      |      |      |
| TURBO HYDRAMATIC THM 325 |      | 3   |        |           |      |      |      |      |      |      |      |      |
| TURBO HYDRAMATIC THM 350 | 2.52 | 3   |        |           |      |      |      |      |      |      |      |      |
| TURBO HYDRAMATIC THM 400 | 2.48 | 3   |        |           |      |      |      |      |      |      |      |      |
| TURBO HYDRAMATIC THM 425 | 2.48 | 3   |        |           |      |      |      |      |      |      |      |      |

FIGURE 2-2. GM TRANSMISSIONS IN PRODUCTION, 1975-80

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| ENGINE                            | MANUAL TRANSMISSION |           |             |           |        |           |             |           |           |             | AUTOMATIC |             |           |           |           |           |           |         |                    |         |                    |         |  |
|-----------------------------------|---------------------|-----------|-------------|-----------|--------|-----------|-------------|-----------|-----------|-------------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|---------|--------------------|---------|--------------------|---------|--|
|                                   | 5                   | 5         | 5           | 5         | 5      | 4         | 4           | 4         | 4         | 4           | 5         | 5           | 5         | 5         | 5         | 4         | 4         | 4       | 4                  | 4       |                    |         |  |
| GEAR RATIO IN FIRST               | 3.51                | 3.41      | 3.40        | 3.10      | 3.75   | 3.51      | 3.50        | 3.11      | 2.85      | 2.85        | 2.64      | 2.54        | 2.43      | 2.43      | 3.50      | 3.11      | 2.85      | 2.60    | 2.74               | 2.52    | 2.48               | 2.48    |  |
| MANUFACTURER DIVISION             | CHEVROLET           | CHEVROLET | BORG & BECK | CHEVROLET | DAIKIN | CHEVROLET | BORG & BECK | CHEVROLET | CHEVROLET | BORG & BECK | CHEVROLET | BORG & BECK | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | THM 425 | THM 400 HYDRAMATIC | THM 550 | THM 400 HYDRAMATIC | THM 425 |  |
| IL-4, 85CID-1V<br>LX3 (CHEV)      | 7                   | 6         |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 97.6CID-1V<br>LX5 (CHEV)    |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 97.6CID-1V<br>LX5 (CHEV)    |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 110.8CID-2V<br>(ISUZU)      |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 122CID-FI<br>LY3 (CHEV)     |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 140CID-1V<br>LX3 (CHEV)     |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 140CID-2V<br>LX1 (CHEV)     |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 140CID-2V<br>R-0 (CHEV)     |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 151CID-2V<br>LX6 (PONTIAC)  |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 151CID-2V<br>LS6 (PONTIAC)  |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |
| IL-4, 151CID<br>HI-PERF (PONTIAC) |                     |           |             |           |        |           |             |           |           |             |           |             |           |           |           |           |           |         |                    |         |                    |         |  |

5 6 } YEAR  
 7 8 } SLOTS  
 9 0 } '75-'80  
 1975 = 5  
 1976 = 6  
 ( ) = PROJECTED  
 USAGE

FIGURE 2-3. GM CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-80

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| GENERAL MOTORS 1975-1980 | MANUAL TRANSMISSION          |                                 |                               |                                  |                            |                            |                            |                                 |                                  |                                  |                             |             | AUTOMATIC |           |           |           |           |           |           |           |           |           |           |           |           |
|--------------------------|------------------------------|---------------------------------|-------------------------------|----------------------------------|----------------------------|----------------------------|----------------------------|---------------------------------|----------------------------------|----------------------------------|-----------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                          | 5                            | 5                               | 5                             | 4                                | 4                          | 4                          | 4                          | 4                               | 4                                | 4                                | 4                           | 4           | 3         | 3         | 3         | 3         | 3         | 3         |           |           |           |           |           |           |           |
| GEAR RATIO IN FIRST      | 3.51                         | 3.41                            | 3.40                          | 3.10                             | 3.75                       | 3.75                       | 3.51                       | 3.50                            | 3.11                             | 2.85                             | 2.85                        | 2.64        | 2.54      | 2.43      | 2.43      | 3.50      | 3.50      | 3.11      | 2.85      | 2.40      | 2.74      | 2.52      | 2.48      | 2.48      |           |
| MANUFACTURER DIVISION    | CHEVROLET                    | CHEVROLET                       | CHEVROLET                     | CHEVROLET                        | CHEVROLET                  | CHEVROLET                  | CHEVROLET                  | CHEVROLET                       | CHEVROLET                        | CHEVROLET                        | CHEVROLET                   | BORG & BECK | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET |
| ENGINE                   | IL-4, 151CID TURBO (PONTIAC) | IL-4, 151CID I.T. PT. (PONTIAC) | IL-4, 151CID TRANS. (PONTIAC) | V-6 (60°), 171CID TRANS. (CHEVY) | V-6, 196CID-2V LC9 (BUICK) | V-6, 200CID-2V L26 (CHEVY) | V-6, 231CID-2V LD7 (BUICK) | V-6, 231CID-2V LD5 (BUICK) EVEN | V-6, 231CID-2V LC5 (BUICK) TURBO | V-6, 231CID-4V LCR (BUICK) TURBO | I-6, 230CID-IV I-22 (CHEVY) | (9)         | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       |
| (9)                      | (9)                          | (9)                             | (9)                           | (9)                              | (9)                        | (9)                        | (9)                        | (9)                             | (9)                              | (9)                              | (9)                         | (9)         | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       | (9)       |

5 6 } YEAR  
7 8 } SLOTS  
9 0 } '75-'80

1975 = 5  
1976 = 6, ETC.  
( ) = PROJECTED USAGE

FIGURE 2-3. GM CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-80 (CONTINUED)



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| ENGINE                       | MANUAL TRANSMISSION |   |   |   |   |   |   |   |   |   |   |   | AUTOMATIC |   |   |   |   |
|------------------------------|---------------------|---|---|---|---|---|---|---|---|---|---|---|-----------|---|---|---|---|
|                              | 5                   | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3         | 3 | 3 | 3 | 3 |
| V-8, 260CID (OLDS) DIESEL    |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 260CID-2V LV8 (OLDS)    | 6                   | 7 |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 262CID-2V LV1 (CHEVY)   | (9)                 | 6 |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 301CID-2V L27 (PONTIAC) |                     |   | 7 |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 301CID-4V L37 (PONTIAC) |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 305CID-2V L63 (CHEVY)   |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 305CID-4V L64 (CHEVY)   |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 350CID-2V L32 (BUICK)   |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 350CID-4V L77 (BUICK)   |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 350CID-2V L65 (CHEVY)   |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |
| V-8, 350CID-4V LM1 (CHEVY)   |                     |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |

5 6 } YEAR  
7 8 } SLOTS  
9 0 } 1975-80  
1975 = 5  
1976 = 6, ETC.  
( ) = PROJECTED USAGE

FIGURE 2-3. GM CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-80 (CONTINUED)

REVISED: 8/1/78 AC-CTP

| GENERAL MOTORS 1975-1980 | MANUAL TRANSMISSION            |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             | AUTOMATIC   |           |           |           |           |                   |                   |                   |                   |                   |  |
|--------------------------|--------------------------------|----------------------------|----------------------------|--------------------------|------------------------------|-------------------------------|---------------------------|----------------------------------|----------------------------|--------------------------|------------------------------|-------------|-------------|-----------|-----------|-----------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
|                          | 5                              | 5                          | 4                          | 4                        | 4                            | 4                             | 4                         | 4                                | 4                          | 4                        | 4                            | 4           | 3           | 3         | 3         | 3         | 3         | 3                 | 3                 |                   |                   |                   |  |
| GEAR RATIO IN FIRST      | 3.51                           | 3.41                       | 3.40                       | 3.10                     | 3.75                         | 3.75                          | 3.51                      | 3.50                             | 3.11                       | 2.85                     | 2.64                         | 2.54        | 2.43        | 2.43      | 3.50      | 3.11      | 2.85      | 2.40              | 2.70              | 2.52              | 2.48              | 2.48              |  |
| MANUFACTURER DIVISION    | CHEVROLET                      | CHEVROLET                  | CHEVROLET                  | BORG & BECK              | CHEVROLET                    | CHEVROLET                     | BORG & BECK               | CHEVROLET                        | CHEVROLET                  | CHEVROLET                | CHEVROLET                    | BORG & BECK | BORG & BECK | CHEVROLET | CHEVROLET | CHEVROLET | CHEVROLET | TURBO HYDRA-MATIC | TURBO HYDRA-MATIC | TURBO HYDRA-MATIC | TURBO HYDRA-MATIC | TURBO HYDRA-MATIC |  |
| ENGINE                   | V-8, 350CID-4V LMI/228 (CHEVY) | V-8, 350CID-4V L48 (CHEVY) | V-8, 350CID-4V L82 (CHEVY) | V-8, 350CID-2V (PONTIAC) | V-8, 350CID-4V L76 (PONTIAC) | V-8, 350CID-4V L49 (CADILLAC) | V-8, 350CID-4V L34 (OLDS) | V-8, 350CID-FI LF9 (OLDS) DIESEL | V-8, 400CID-4V LT4 (CHEVY) | V-8, 400CID-2V (PONTIAC) | V-8, 400CID-4V L78 (PONTIAC) |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |
|                          |                                |                            |                            |                          |                              |                               |                           |                                  |                            |                          |                              |             |             |           |           |           |           |                   |                   |                   |                   |                   |  |

5 6 } YEAR  
7 8 } SLOTS  
9 0 } '75-'80

1975 = 5  
1976 = 6, ETC.  
( ) = PROJECTED USAGE

FIGURE 2-3. GM CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-80 (CONTINUED)

| GENERAL MOTORS 1975-1980 | MANUAL TRANSMISSION          |                           |                               |                                 |                           |                        |                          |                       |                           |                            |             |           | AUTOMATIC   |           |           |           |                  |                  |                  |                  |                  |                  |  |
|--------------------------|------------------------------|---------------------------|-------------------------------|---------------------------------|---------------------------|------------------------|--------------------------|-----------------------|---------------------------|----------------------------|-------------|-----------|-------------|-----------|-----------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|--|
|                          | 5                            | 5                         | 5                             | 4                               | 4                         | 4                      | 4                        | 4                     | 4                         | 4                          | 4           | 4         | 3           | 3         | 3         | 3         | 3                | 3                | 3                | 3                |                  |                  |  |
| GEAR RATIO IN FIRST      | 3.57                         | 3.41                      | 3.40                          | 3.10                            | 3.75                      | 3.51                   | 3.50                     | 3.11                  | 2.85                      | 2.85                       | 2.64        | 2.54      | 2.47        | 2.43      | 3.50      | 3.11      | 2.85             | 2.40             | 2.74             | 2.52             | 2.48             | 2.48             |  |
| MANUFACTURER DIVISION    | CHEVROLET                    | CHEVROLET                 | CHEVROLET                     | BORG & BECK                     | CHEVROLET                 | CHEVROLET              | BORG & BECK              | CHEVROLET             | CHEVROLET                 | CHEVROLET                  | BORG & BECK | CHEVROLET | BORG & BECK | CHEVROLET | CHEVROLET | CHEVROLET | TURBO HYDRAMATIC | TURBO HYDRAMATIC | TURBO HYDRAMATIC | TURBO HYDRAMATIC | TURBO HYDRAMATIC | TURBO HYDRAMATIC |  |
| ENGINE                   | V-8, 400CID-4V W72 (PONTIAC) | V-8, 403CID-4V L80 (OLDS) | V-8, 425CID-4V L33 (CADILLAC) | V-8, 425CID-BFI, L35 (CADILLAC) | V-8, 454CID-4V S4 (CHEVY) | V-8, 455CID-4V (BUICK) | V-8, 455CID-4V (PONTIAC) | V-8, 455CID-4V (OLDS) | V-8, 500CID-4V (CADILLAC) | V-8, 500CID-BFI (CADILLAC) |             |           |             |           |           |           |                  |                  |                  |                  |                  |                  |  |
|                          |                              |                           |                               |                                 |                           |                        |                          | 7 8<br>(9)            |                           |                            |             |           |             |           |           |           |                  |                  |                  |                  |                  |                  |  |
|                          |                              |                           |                               |                                 |                           |                        |                          |                       |                           |                            |             |           |             |           |           |           |                  |                  |                  |                  |                  |                  |  |
|                          |                              |                           |                               |                                 |                           |                        |                          |                       |                           |                            |             |           |             |           |           |           |                  |                  |                  |                  |                  |                  |  |
|                          |                              |                           |                               |                                 |                           |                        |                          |                       |                           |                            |             |           |             |           |           |           |                  |                  |                  |                  |                  |                  |  |
|                          |                              |                           |                               |                                 |                           |                        |                          |                       |                           |                            |             |           |             |           |           |           |                  |                  |                  |                  |                  |                  |  |
|                          |                              |                           |                               |                                 |                           |                        |                          |                       |                           |                            |             |           |             |           |           |           |                  |                  |                  |                  |                  |                  |  |

5 6 YEAR  
7 8 SLOTS  
9 0 } 1975-80  
1975 = 5  
1976 = 6, ETC.  
( ) = PROJECTED  
USAGE

FIGURE 2-3. GM CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-80 (CONCLUDED)

| MODEL             | IL-4 | IL-4 | V-6 | IL-6 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 |
|-------------------|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ENGINE            | IL-4 | IL-4 | V-6 | IL-6 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 |
| C.I.D.            | 140  | 140  | 231 | 250  | 260 | 262 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 |
| CARB. BBL.        | 2V   | 2V   | 2V  | 2V   | 2V  | 2V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  |
| DIVISION          | CH   | CH   | BU  | CH   | BU  | BU  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  |
| CODE              | L13  | L11  | L07 | L22  | L18 | L32 | L77 | L65 | L61 | L48 | L82 | L76 | L49 | L34 | L74 | L78 | L51 | PO  | PO  | PO  |
|                   | A/M  | A/M  | A/M | A/M  | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M | A/M |
| -SUBCOMPACT-      |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| ASTRE             |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CORVETTE          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| MONZA             |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SKYLINE           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| STARFIRE          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| VEGA              |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -COMPACT-         |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CAMARO            |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| FIREBIRD          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NOVA              |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OMEGA             |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SKYLARK/APOLLO    |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| VENTURA           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -INTERMEDIATE-    |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CENTURY           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CHEVELLE          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CUTLASS           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| GRAND PRIX        |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| LE MANS           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| MONTÉ CARLO       |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SEVILLE           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -FULL SIZE-       |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CHEVROLET         |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DELTA 88          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| LE SABRE          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| PONTIAC           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -LUXURY STANDARD- |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| ELECTRA           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NINETY EIGHT      |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| RIVIERA           |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TORONADO          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| ELDORADO          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CADILLAC          |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

A = AUTOMATIC TRANSMISSION  
M = MANUAL TRANSMISSION

FIGURE 2-4. G.M. AUTOMATIC VS MANUAL TRANSMISSION AVAILABILITY, 1975

| MODEL  | V-8                           |                                   | V-6                              |                         | V-8                     |                         | V-8                     |                         | V-8                |                    | V-8                |                    | V-8                |                    | V-8                |                    | V-8                |                    |                    |
|--|-------------------------------|-----------------------------------|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|  | IL-4<br>85<br>1V<br>CH<br>FX3 | IL-4<br>110-6<br>2B<br>LSU<br>FX1 | IL-4<br>110-4<br>122<br>FI<br>CH | IL-4<br>140<br>2V<br>CH | IL-4<br>231<br>2V<br>CH | IL-4<br>250<br>1V<br>CH | IL-4<br>260<br>2V<br>CH | IL-4<br>262<br>2V<br>CH | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 |
| ENGINE<br>C.I.D.<br>CARB. BBL.<br>DIVISION<br>CODE   | IL-4<br>85<br>1V<br>CH<br>FX3 | IL-4<br>110-6<br>2B<br>LSU<br>FX1 | IL-4<br>110-4<br>122<br>FI<br>CH | IL-4<br>140<br>2V<br>CH | IL-4<br>231<br>2V<br>CH | IL-4<br>250<br>1V<br>CH | IL-4<br>260<br>2V<br>CH | IL-4<br>262<br>2V<br>CH | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 | IL-4<br>L13<br>L11 |
|  | A/M                           | A/M                               |                                  |                         |                         |                         |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| MODEL  | A/M                           | A/M                               |                                  |                         |                         |                         |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| -MINI-<br>CHEVETTE   |                               |                                   |                                  |                         |                         |                         |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| -SUBCOMPACT-<br>ASTRE<br>CORVETTE<br>MONZA<br>[OPTEL BY ISUZU]<br>SKYHAWK<br>STARFIRE<br>SUNBELT<br>VEGA |                               | A/M                               | A/M                              | A/M                     |                         | A/N                     |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| -COMPACT-<br>CAMARO<br>FIREBIRD<br>NOVA<br>OMEGA<br>SKYLARK<br>VENTURA                                   |                               |                                   |                                  |                         |                         |                         |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| -INTERMEDIATE-<br>CENTURY<br>CHEVELLE<br>CUTLASS<br>GRAND PRIX<br>LE MANS<br>MONTE CARLO<br>SEVILLE      |                               |                                   |                                  |                         |                         |                         |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| -FULL SIZE-<br>CHEVROLET<br>DELTA 88<br>LE SABRE<br>PONTIAC  |                               |                                   |                                  |                         |                         |                         |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| -LUXURY STANDARD-<br>ELECTRA<br>NINETY EIGHT<br>RIVIERA<br>TORONADO<br>ELDORADO<br>CADILLAC              |                               |                                   |                                  |                         |                         |                         |                         |                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

A = AUTOMATIC TRANSMISSION  
M = MANUAL TRANSMISSION

FIGURE 2-5. GM AUTOMATIC VS MANUAL TRANSMISSION AVAILABILITY, 1976

|                   |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|------|-------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ENGINE            | IL-4 | IL-4 | IL-4  | IL-4 | IL-4 | IL-6 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 | V-8 |
| C.I.O.            | 85   | 97.6 | 110.8 | 140  | 151  | 231  | 250 | 260 | 301 | 305 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 |
| CARB. BBL.        | 1V   | 2V   | 2V    | 2V   | 2V   | 1V   | 2V  | 2V  | 2V  | 2V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  | 4V  |
| DIVISION          | CH   | CH   | ISU   | CH   | PO   | BU   | CH  | BU  | CH  | CH  | BU  | BU  | CH  | CH  | CH  | CH  | CH  | CH  | CH  | CH  |
| CODE              | LX3  | LY5  | LV8   | LX6  | LX7  | LX8  | LX2 | LX7 | LX2 | LX3 | LX3 | LX3 | LX3 | LX3 | LX3 | LX3 | LX3 | LX3 | LX3 | LX3 |
| MODEL             |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -MINI-            | A/M  | A/M  |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -SUBCOMPACT-      |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| ASTRE             |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CORVETTE          |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| MONZA             |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OPTEL BY ISUZU    |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SKYHAWK           |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| STARFIRE          |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SUNBIRD           |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| VEGA              |      |      |       | A/M  | A/M  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -COMPACT-         |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CAMARO            |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| FIREBIRD          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NOVA              |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OMEGA             |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SKYLARK           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| VENTURA           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -INTERMED-LATE-   |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CENTURY           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CHEVELLE          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CUTLASS           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| GRAND PRIX        |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| LE MANS           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| MONTE CARLO       |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SEVILLE           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -FULL SIZE-       |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CHEVROLET         |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DELTA 88          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| FIREBIRD          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| IMPALA            |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| REGAL             |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| VENTURA           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TORNADO           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| ELOQUO            |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CADILLAC          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| -LUXURY STANDARD- |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| ELLSBURG          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SALEM             |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| SALENTA           |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TRAVELER          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TRAVELER          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TRAVELER          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TRAVELER          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TRAVELER          |      |      |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

A = AUTOMATIC TRANSMISSION  
M = MANUAL TRANSMISSION

FIGURE 2-6. GM AUTOMATIC VS MANUAL TRANSMISSION AVAILABILITY, 1977



| ENGINE                   | MINI         |           |          | SUBCOMPACT |           |           |              | COMPACT |        |          |      | INTERMEDIATE |                 |                |           | STANDARD    |                     |                |             | FULL SIZE       |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
|--------------------------|--------------|-----------|----------|------------|-----------|-----------|--------------|---------|--------|----------|------|--------------|-----------------|----------------|-----------|-------------|---------------------|----------------|-------------|-----------------|-------------|---------------|--------------|-------------|-------------|---------|-------------|-----------------|---------------|----------|--|--|--|--|--|--|--|
|                          | CHEVETTE '76 | ASTRE '75 | CORVETTE | MONZA '75  | OPREL '76 | SPARK '75 | STARFIRE '75 | VEGA    | CAMARO | LIBERADO | NOVA | OMEGA        | STARBUCK/APOLLO | GENERAL PRODUK | RECAL '78 | CENTURY '78 | CHEVETTE/MALIBU '78 | GRAND PRIX '78 | LE MANS '78 | MONTE CARLO '78 | SEVILLE '78 | CHEVROLET '77 | DELTA 88 '77 | PONTIAC '77 | GALDIAK '77 | ELDKRUD | ELECTRA '77 | MINNETAHOKE '77 | RIVERDALE '77 | TORONADO |  |  |  |  |  |  |  |
| IL-4 '76                 | 7            |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 85CID-1V                 |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| LX3 (CHEVY)              |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4 '76                 | 7            |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 97.6CID-1V               |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| LY3 (CHEVY)              | (9)          |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4 '78                 | 8            |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 97.6CID-1V               | (9)          |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| LS5 (CHEVY)              |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4 '76                 |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 110.8CID-2V (ISUZU)      |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4 '76                 |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 122CID-FI                |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| LY3 (CHEVY)              |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4                     |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 140CID-1V                |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| L13 (CHEVY)              |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4                     |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 160CID-2V                |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| L11 (CHEVY)              |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4 '76                 |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 140CID-2V                |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| HI-OUTPUT (CHEVY)        |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4 '77                 |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 151CID-2V                |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| LX6 (PONTIAC)            |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4 '78                 |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 151CID-2V                |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| LS6 (PONTIAC)            |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| IL-4                     |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| 151CID                   |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| HI-PERFORMANCE (PONTIAC) |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |
| (NEW FOR MID 1978)       |              |           |          |            |           |           |              |         |        |          |      |              |                 |                |           |             |                     |                |             |                 |             |               |              |             |             |         |             |                 |               |          |  |  |  |  |  |  |  |

NOTE:  
 5 = 1975  
 6 = 1976, ETC.  
 ( ) PROJECTED  
 USAGE

|   |   |         |
|---|---|---------|
| 5 | 6 | YEAR    |
| 7 | 8 | SLOTS   |
| 9 | 0 | '75-'80 |

FIGURE 2-8. GM CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-79



| ENGINE  | MINI      |              |           | SUBCOMPACT |             |              |      | COMPACT |          |      |       | INTERMEDIATE   |           |             |                     | STANDARD       |           |             |                 | FULL SIZE   |               |           |             | LUXURY      |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
|---|-----------|--------------|-----------|------------|-------------|--------------|------|---------|----------|------|-------|----------------|-----------|-------------|---------------------|----------------|-----------|-------------|-----------------|-------------|---------------|-----------|-------------|-------------|--------------|-----------|-------------|-----------------|-------------|----------|--|--|--|--|--|--|--|--|
|   | ASTRA '76 | CORVETTE '75 | MONZA '75 | OMEGA '76  | SKYARK '75  | STARBUCK '75 | VEGA | CAMARO  | FIREBIRD | NOVA | OMEGA | SKYLARK/APOLLO | REGAL '78 | CENTURY '78 | CHEVETTE/MALIBU '78 | GRAND PRIX '78 | LEMAN '78 | TE MANE '78 | MONTE CARLO '78 | SEVILLE '75 | CHEVROLET '77 | DETRA '88 | PONTIAC '77 | PONTIAC '77 | CADILLAC '77 | ELDMORADO | ELECTRA '77 | WINDY EIGHT '77 | RIVIERA '77 | TOURNADE |  |  |  |  |  |  |  |  |
| IL-4<br>151-CID<br>TURBO (PONTIAC)                |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| IL-4<br>151CID<br>LT. WEIGHT (PONTIAC)            |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| IL-4<br>151CID<br>TRANSVERSE (PONTIAC)            |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| V-6 (60°)<br>171CID<br>TRANSVERSE (CHEVY)         |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| V-6 '78<br>196CID-2V<br>LC9 (BUICK)               |           |              | 8<br>(9)  |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| V-6 '78<br>200CID-2V<br>L26 (CHEVY)               |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| V-6 '75<br>231CID-2V<br>LD7 (BUICK)               |           |              |           |            | 3<br>6<br>7 | 6<br>6<br>7  |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| V-6 (EVEN FIRING) '78<br>231CID-2V<br>LD5 (BUICK) |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| V-6 (TURBO) '78<br>231CID-2V<br>LC5 (BUICK)       |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| V-6 (TURBO) '78<br>231CID-4V<br>LC8 (BUICK)       |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |
| L-6<br>250CID-1V<br>L22 (CHEVY)                   |           |              |           |            |             |              |      |         |          |      |       |                |           |             |                     |                |           |             |                 |             |               |           |             |             |              |           |             |                 |             |          |  |  |  |  |  |  |  |  |

NOTE:  
5 = 1975  
6 = 1976, ETC.  
( ) PROJECTED  
USAGE

|   |    |         |
|---|----|---------|
| 5 | 6  | YEAR    |
| 7 | 8  | SLOTS   |
| 9 | 10 | '75-'80 |

FIGURE 2-8. GM CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-79 (CONTINUED)

| ENGINE                                | ENGINES VS. MODELS  |            |  |  |  |         |  |  |  |                 |  |  |  |          |  |           |  |        |  |
|---------------------------------------|---|------------|--|--|--|---------|--|--|--|-----------------|--|--|--|----------|--|-----------|--|--------|--|
|                                       | MINI  | SUBCOMPACT |  |  |  | COMPACT |  |  |  | INTERMEDIATE    |  |  |  | STANDARD |  | FULL SIZE |  | LUXURY |  |
|                                       | CHEVETTE '76<br>ASTRE '75<br>CORNETE<br>NOVA '75<br>OPEL '76<br>SKYARK '75<br>STANFORD '75<br>SUNBIRD '76<br>VEGA<br>CAMARO<br>PONTIAC<br>NOVA<br>OCEGA<br>SKYARK/ASTRO<br>REGAL '78<br>CENTURY '78<br>CHEVETTE/MALIBU '78<br>GRAND PRIX '78<br>LE MANS '78<br>MONTE CARLO '78<br>SEVILLE '75<br>CHEVROLET '77<br>BETA 88 '77<br>LESABRE '77<br>PONTIAC '77<br>CADILLAC '77<br>ELDOADO<br>ELECTRA '77<br>NINETY EIGHT '77<br>RIVERIA '77<br>TORNADO |            |  |  |  |         |  |  |  |                 |  |  |  |          |  |           |  |        |  |
| V-8 (DIESEL)<br>260CID<br>(OLDS)      |   |            |  |  |  |         |  |  |  |                 |  |  |  |          |  |           |  |        |  |
| V-8<br>260CID-2V<br>LV8 (OLDS)        |   |            |  |  |  |         |  |  |  | 5 6   5 6   5 6 |  |  |  |          |  |           |  |        |  |
| V-8 '75<br>262CID-2V<br>LV1 (CHEVY)   |   |            |  |  |  |         |  |  |  | 7               |  |  |  |          |  |           |  |        |  |
| V-8 '77<br>301CID-2V<br>L27 (PONTIAC) |   |            |  |  |  |         |  |  |  |                 |  |  |  |          |  |           |  |        |  |
| V-8 '78<br>301CID-4V<br>L37 (PONTIAC) |   |            |  |  |  |         |  |  |  | 7               |  |  |  |          |  |           |  |        |  |
| V-8 '76<br>305CID-2V<br>LC3 (CHEVY)   |   |            |  |  |  |         |  |  |  |                 |  |  |  |          |  |           |  |        |  |
| V-8 '78<br>305CID-4V<br>LG4 (CHEVY)   |   |            |  |  |  |         |  |  |  |                 |  |  |  |          |  |           |  |        |  |
| V-8<br>350CID-2V<br>L32 (BUICK)       |   |            |  |  |  |         |  |  |  |                 |  |  |  |          |  |           |  |        |  |

NOTE:  
 5 = 1975  
 6 = 1976, ETC.  
 ( ) PROJECTED  
 USAGE

|   |   |         |
|---|---|---------|
| 5 | 6 | YEAR    |
| 7 | 8 | SLOTS   |
| 9 | 0 | '75-'80 |

FIGURE 2-8. GM CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-79 (CONTINUED)

REVISIED: 8/1/78 AC-CTP

ENGINES VS. MODELS

GENERAL MOTORS 1975 - 1978

| ENGINE                                  | MINI         |           |              |          | SUBCOMPACT |             |              |            | COMPACT |             |        |      | INTERMEDIATE |              |         |           | STANDARD    |                     |                |             | FULL SIZE       |             |               |              | LUXURY |             |             |              |          |             |                    |         |
|---|--------------|-----------|--------------|----------|------------|-------------|--------------|------------|---------|-------------|--------|------|--------------|--------------|---------|-----------|-------------|---------------------|----------------|-------------|-----------------|-------------|---------------|--------------|--------|-------------|-------------|--------------|----------|-------------|--------------------|---------|
|   | Chevette '76 | ASTRE '75 | CONQUEST '75 | NOVA '75 | Opel '76   | SAFHARK '75 | STARFIRE '75 | SWANHO '76 | VEGA    | CAJANO      | FIERHO | NOVA | OMGA         | SPYAK/APOLLO | VENTURA | REGAL '78 | CENTURY '78 | CHEVELLE/MALIBU '78 | GRAND PRIX '78 | LE MANS '78 | MONTE CARLO '78 | SEVILLE '75 | CHEVROLET '77 | DELTA 88 '77 |        | LESABRE '77 | PONTIAC '77 | CADILLAC '77 | ELDORADO | ELECTRA '77 | NINETEEN EIGHT '77 | TRAVANO |
| V-8<br>350CID-4V<br>L77 (BUICK)         |              |           |              |          |            |             |              |            |         | 5 6 5 6 5 6 | 5 6    | 5 6  | 5 6          | 5 6          | 5 6     | 5 6       | 5 6         | 5 6                 | 5 6            | 5 6         | 5 6             | 5 6         | 7 8           | 7 8          | 7 8    | 7 8         | 7 8         | 7 8          | 7 8      | 7 8         |                    |         |
| V-8<br>350CID-2V<br>L65 (CHEVY)         |              |           |              |          | 5          |             |              |            |         |             |        |      |              |              |         | 5 6       |             |                     |                | 5 6         | 5 6             |             |               |              |        |             |             |              |          |             |                    |         |
| V-8<br>350CID-4V<br>LM1 (CHEVY)         |              |           |              |          | 5 6        | 7 8         | 8 7 8        | 8 8 7 8    |         |             |        |      |              |              |         | 5 6       | 8 7 8 8     | 5 6                 |                | 5 6         | 5 6             |             |               |              |        |             |             |              |          |             |                    |         |
| V-8 '77<br>350CID-4V<br>LM1/228 (CHEVY) |              |           |              |          |            |             |              |            |         |             |        |      |              |              |         |           |             |                     |                |             |                 |             |               |              |        |             |             |              |          |             |                    |         |
| V-8<br>350CID-4V<br>L48 (CHEVY)         |              |           |              |          |            |             |              |            |         |             |        |      |              |              |         |           |             |                     |                |             |                 |             |               |              |        |             |             |              |          |             |                    |         |
| V-8<br>350CID-4V<br>L82 (CHEVY)         |              |           |              |          |            |             |              |            |         |             |        |      |              |              |         |           |             |                     |                |             |                 |             |               |              |        |             |             |              |          |             |                    |         |
| V-8<br>350CID-2V<br>(PONTIAC)           |              |           |              |          |            |             |              |            |         |             |        |      |              |              |         |           |             |                     |                |             |                 |             |               |              |        |             |             |              |          |             |                    |         |
| V-8<br>350CID-4V<br>L76 (PONTIAC)       |              |           |              |          |            |             |              |            |         |             |        |      |              |              |         |           |             |                     |                |             |                 |             |               |              |        |             |             |              |          |             |                    |         |

NOTE:  
5 = 1975  
6 = 1976, ETC.  
( ) PROJECTED  
USAGE

|      |       |   |   |   |    |
|------|-------|---|---|---|----|
| 5    | 6     | 7 | 8 | 9 | 10 |
| YEAR | SLOTS |   |   |   |    |
|      |       |   |   |   |    |
|      |       |   |   |   |    |
|      |       |   |   |   |    |
|      |       |   |   |   |    |

FIGURE 2-8. GM CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-79 (CONTINUED)

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ENGINES VS. MODELS

GENERAL MOTORS 1975 -1980

| ENGINE                                    | MIDI      |              | SUBCOMPACT |           |          |             |              |             |      | COMPACT |          |      |       |               |           | INTERMEDIATE |                     |                |             |                 |             | STANDARD      |              |            |             |              | LUXURY  |           |            |                  |            |         |  |  |
|---|-----------|--------------|------------|-----------|----------|-------------|--------------|-------------|------|---------|----------|------|-------|---------------|-----------|--------------|---------------------|----------------|-------------|-----------------|-------------|---------------|--------------|------------|-------------|--------------|---------|-----------|------------|------------------|------------|---------|--|--|
|   | ASIRE '75 | CHEVETTE '76 | CONCRETE   | MONZA '75 | OPEL '75 | SAPHIRE '75 | STARLINE '75 | SUNRAID '76 | PEGA | CAMARO  | FIREBIRD | NOVA | OMEGA | SCITARK/ARLDO | REGAL '78 | CENTURY '78  | CHEVETTE/MALIBU '78 | GRAND PRIX '78 | LE MANS '78 | MONTE CARLO '78 | SEVILLE '78 | CHEVROLET '77 | DETRA 88 '77 | LAZARE '77 | PONTIAC '77 | CADILLAC '77 | ELDOADO | BUICK '77 | RESCRA '77 | NINETY EIGHT '77 | REVERA '77 | TORNADO |  |  |
| V-8 '75<br>350CID-FI<br>L49 (CADILLAC)    |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |
| V-8<br>350CID-4V<br>L34 (OLDS)            |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |
| V-8 DIESEL '78<br>350CID-FI<br>1F9 (OLDS) |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |
| V-8<br>400CID-4V<br>L74 (CHEVY)           |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |
| V-8<br>400CID-2V<br>(PONTIAC)             |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |
| V-8<br>400CID-4V<br>L78 (PONTIAC)         |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |
| V-8 '77<br>400CID-4V<br>W72 (PONTIAC)     |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |
| V-8 '77<br>403CID-4V<br>L80 (OLDS)        |           |              |            |           |          |             |              |             |      |         |          |      |       |               |           |              |                     |                |             |                 |             |               |              |            |             |              |         |           |            |                  |            |         |  |  |

NOTE:  
5 = 1975  
6 = 1976, ETC.  
( ) PROJECTED  
USAGE  
YEAR  
SLOTS  
'75-'80

FIGURE 2-8. GM CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-79 (CONTINUED)

| ENGINE                                   | ENGINES VS. MODELS |           |           |            |           |            |              |             |      |              |          | LUXURY |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
|--|--------------------|-----------|-----------|------------|-----------|------------|--------------|-------------|------|--------------|----------|--------|----------|---------------|--------------------|-------------|---------------------|----------------|-------------|------------------|-------------|---------------|--------------|-------------|-------------|--------------|----------|---------|------------------|-------------|---------|--|--|
|  | MINI               |           |           | SUBCOMPACT |           |            | COMPACT      |             |      | INTERMEDIATE |          |        | STANDARD |               |                    | FULL SIZE   |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
|  | CHEVETTE '76       | ASTRA '75 | CONQUERRE | NOVA '75   | OPREL '76 | SKYRAK '75 | STARLINE '75 | SUNBIRD '76 | VEGA | CAMARO       | FIREBIRD | NOVA   | OMEGA    | SKYLARK/POLLO | PONTIAC PROBUK '78 | CENTURY '78 | CHEVETTE MALIBU '78 | GRAND PRIX '78 | LE MANS '78 | NOVATE CARLO '78 | SEVILLE '75 | CHEVROLET '77 | DETRA 88 '77 | LESABRE '77 | PONTIAC '77 | CADILLAC '77 | ELDORADO | ELECTRA | THIRTY EIGHT '77 | RIVIERA '77 | TORNADO |  |  |
| V-8 '77<br>425CID-4V<br>1.33 (CADILLAC)  |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
| V-8 '77<br>425CID-EFI<br>1.35 (CADILLAC) |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
| V-8<br>454CID-4V<br>1.54 (CHEVY)         |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
| V-8<br>455CID-4V<br>(BUICK)              |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
| V-8<br>455CID-4V<br>(PONTIAC)            |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
| V-8<br>455CID-4V<br>(OLDS)               |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
| V-8<br>500CID-4V<br>(CADILLAC)           |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |
| V-8<br>500CID-EFI<br>(CADILLAC)          |                    |           |           |            |           |            |              |             |      |              |          |        |          |               |                    |             |                     |                |             |                  |             |               |              |             |             |              |          |         |                  |             |         |  |  |

NOTE:  
5 = 1975  
6 = 1976, ETC.  
( ) PROJECTED  
USAGE

|   |   |         |
|---|---|---------|
| 5 | 6 | YEAR    |
| 7 | 8 | SLOTS   |
| 9 | 0 | '75-'80 |

FIGURE 2-8. GM CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-79 (CONCLUDED)



### 3. FORD MOTOR COMPANY

#### 3.1 SUMMARY

Ford has a relatively small number of engines and transmissions for the number of vehicle models produced when compared with General Motors. Over the period of 1975 to 1978, Ford will have used only eleven different engines or engine derivatives and thirteen transmissions (nine manual and four automatic) for eighteen models. In 1978, a total of eleven engines and nine transmissions (five manual and four automatic) were offered.

A relatively small number of new engines and derivatives are scheduled for future introduction. In 1980, a new 255 CID small bore V-8 engine is scheduled for introduction along with a dual displacement version of the 302 CID V-8 engine. Ford is currently developing the PROCOC (programmed combustion) engine which should provide a fuel economy improvement of 20% at low emissions for use in the 1980's. In addition to these engines, new carburetors, fuel metering, and turbochargers are expected. Large engines to be dropped include the 460 CID in 1979 with the introduction of the new Ford downsized standard autos and the 400 CID V-8 in 1980 with the introduction of the new downsized luxury standard Lincoln and Mark V models. Refer to Master Production Schedules (Volume I) for qualitative projections of other new engines and technological advances.

Ford's 351 CID V-8 provides an interesting example of engine development in which a specific displacement is achieved via alternative approaches. There are actually two different engines displacing 351 cubic inches, the modified (M) version and the Windsor (W) version. The 351 M engine was derived from the 400 CID V-8 which had the stroke reduced from 4 inches to 3.5 inches while maintaining the same four-inch bore. The 351 W engine was derived from the 302 CID V-8 which had the stroke increased from 3 inches to 3.5 inches while maintaining the same four-inch bore. The 351M and 351W, therefore, have identical bores and strokes but actually use entirely different blocks. This results in a ninety pound weight

difference between the heavier 351M and the lighter 351W. As vehicles become smaller and lighter, the M version will be phased out in favor of the lighter W version. Although both engines are currently used interchangeably in many models, specific applications dictate a preference (i.e., the 351M is used primarily in heavy duty applications such as station wagons). The Product Schedule in Appendix B makes the distinction in specific applications but, for simplicity, both engines are consolidated as one on the summary charts.

While GM and Chrysler are working with lock-up torque converters on three-speed automatic transmissions, Ford has been developing a four-speed automatic with overdrive called the FIOD (Ford Intergal Overdrive). This transmission allows better matching of engine speed to load especially in city driving but also provides improved economy on the highway. Ford considers this an improvement over the lock-up torque converter as an addition to existing transmissions and expects to have FIOD installed on all standard size cars and some light trucks in 1980.

The detailed information worksheets (Engine-Transmission-Rear Axle Product Schedules) for Ford Motor Company are found in Appendix B. The summary charts are described in Sections 3.2 through 3.6 (Figures 3-1 through 3-5).

### 3.2 ENGINES IN PRODUCTION (Figure 3-1)

This figure displays the production availability of all Ford engines from 1975 through 1979. Engine description includes: type, size (in CID), fuel metering (number of carburetor barrels or variable venturi), and the angle for V-type engines when different from 90°. The page numbers refer to the detailed tabulations in Appendix B (Figure B-1). Eleven engines are listed for use from 1975 through 1979. Of these only three were new during this period, one each of four, six, and eight cylinders. In 1977, variable venturi carburetor (VV) versions of the 170.8 CID V-6 and 302 CID V-8 engines were introduced in some California vehicles as an emission control test. The 98 CID four cylinder engine was new in 1978 and



is made specifically for the Fiesta in a transverse mounted configuration. These engines are shown in bold outline to highlight the year of their introduction.

Large engines were maintained through 1978 but will be phased out over the next two years. The 460 CID V-8 will be dropped in 1975 with the 400 CID V-8 engine only available on the Lincoln and Mark V models. In 1980, when the Lincoln and Mark V are downsized, the 400 CID engine will also be dropped. Ford's somewhat slower trend towards smaller engines is due to a large car downsizing schedule that is two years behind GM.

### 3.3 TRANSMISSIONS IN PRODUCTION (Figure 3-2)

Transmission usage for Ford from 1975 through 1978 is depicted in Figure 3-2 with the year of introduction indicated by bold outlines. Of the thirteen transmissions listed, ten of them were used in 1978 (six manual and four automatic). The automatic transmissions (which Ford calls Select Shift) are distinguished by code: C3, C-4, C-6, and FMX. All Ford automatic transmissions are currently three speed and have remained the same since 1975. No lock-up torque converters are available, although a more efficient low slip torque converter was added in 1978. The four speed FIOD automatic transmission is scheduled for introduction in 1980 as a replacement for the C-6 and FMX automatics on the large cars and engines.

Five new manual transmissions have been introduced since 1976 which utilize new gear ratios. These have generally replaced other discontinued transmissions. Four of these new transmissions were four speed models and one was a three speed; no five speed manual transmissions are projected for Ford. Ford buys all of its manual transmissions from outside suppliers and most of them are outside the U.S. The automatics, on the other hand, are all produced by Ford with only the C-3 produced outside the U.S. This transmission is used primarily on the European 170.8 CID V-6 engine and the 140 CID engine (see Figure 3-3).

### 3.4 CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS (Figure 3-3)

This figure matches the different engines and transmissions in

use from 1975 through 1978. Using the same format as GM (see Section 2-4), engine and transmission descriptions are consistent with those given in Figures 3-1 and 3-2 (Engines and Transmissions in Production). There are actually two different 351 CID V-8 engines, the modified (M) version and the Windsor (W) version, but for simplicity, they are shown as only one engine. See Section 3.1 for a more complete discussion of the differences between these engines.

The main point generated from this chart is that Ford makes very few engine/transmission changes. Some minor switching of gear ratios has been done in the three and four speed manual transmissions but no major changes have occurred. Ford still has no five speed manual transmissions and has only one three speed which is used with the 200 CID L-6 engine on the Fairmont and Zephyr. All other engines from the 302 CID V-8 and smaller use a four speed manual transmission; engines larger than the 302 CID V-8 use only automatics. The C-4 automatic is the most widely used transmission.

### 3.5 AUTOMATIC VS. MANUAL TRANSMISSION AVAILABILITY (Figure 3-4)

This is a convenient summary of the availability of manual and automatic transmissions for each model/engine combination recognizing that in many cases only one transmission type is offered. One chart presents all of the combinations by transmission type for model years 1975-1978. The models are categorized by market class as defined in Volume I, Master Product Schedules, to assist in making vehicle to vehicle comparisons. The engine descriptions are consistent with those given in Figures 3-1 and 3-3. Bold outlining signifies new introductions in the applicable years.

Several observations can be drawn from this data. Manual transmissions are not used with large V-8 engines (351 CID and greater) while four and six cylinder engines are generally available with both automatic and manual transmissions. The 302 CID V-8 with a two-barrel carburetor and a manual transmission was offered only in the Mustang II, Granada, and Monarch. Models with variable venturi carburetors were only available with automatic transmissions and only

in California in 1978 (except the Versailles). This carburetor is being used in conjunction with feedback controls to help meet the stringent California emission requirements and is being considered for use nationwide in 1980, when a further increase of federal emission standards goes into effect.

The availability of many transmissions (especially manuals) on various model/engine combinations is restricted due to emission standards and testing requirements. This is common with all manufacturers as they must test each combination for three separate standards (Federal, California, and High Altitude). Even though manual transmissions can provide higher fuel economy, they also produce higher emissions due to the gear shift schedules and variability of individual drivers in shifting. Consequently, the availability of some engine-transmission-model combinations will be restricted, especially in California and high altitude areas.

### 3.6 CALENDAR OF MODEL/ENGINE COMBINATIONS (Figure 3-5)

Using the same format as GM (see Section 2.6), this chart projects a definite trend to the use of smaller engines and highlights some new engines which were, in some cases, specifically introduced for use on particular new vehicles. An example of a new engine accompanying a new vehicle is the 98 CID four cylinder engine which was introduced in 1978 specifically for the Fiesta.

Examples of the use of smaller engines include two types: the dropping of large engines from the options list and the substitution of smaller engines as standard equipment. The Thunderbird and LTD II dropped the 460 CID V-8 in 1977; while the Granada and Monarch dropped the 351 V-8 engine in 1978. Smaller engines were added as standard equipment on several models including the 302 CID V-8 to the Thunderbird, LTD II, and Ford in 1977; the 351 CID V-8 on the Mercury in 1978; and the 140 CID four cylinder to the Fairmont and Zephyr in 1978 (the Maverick and Comet did not use this engine).

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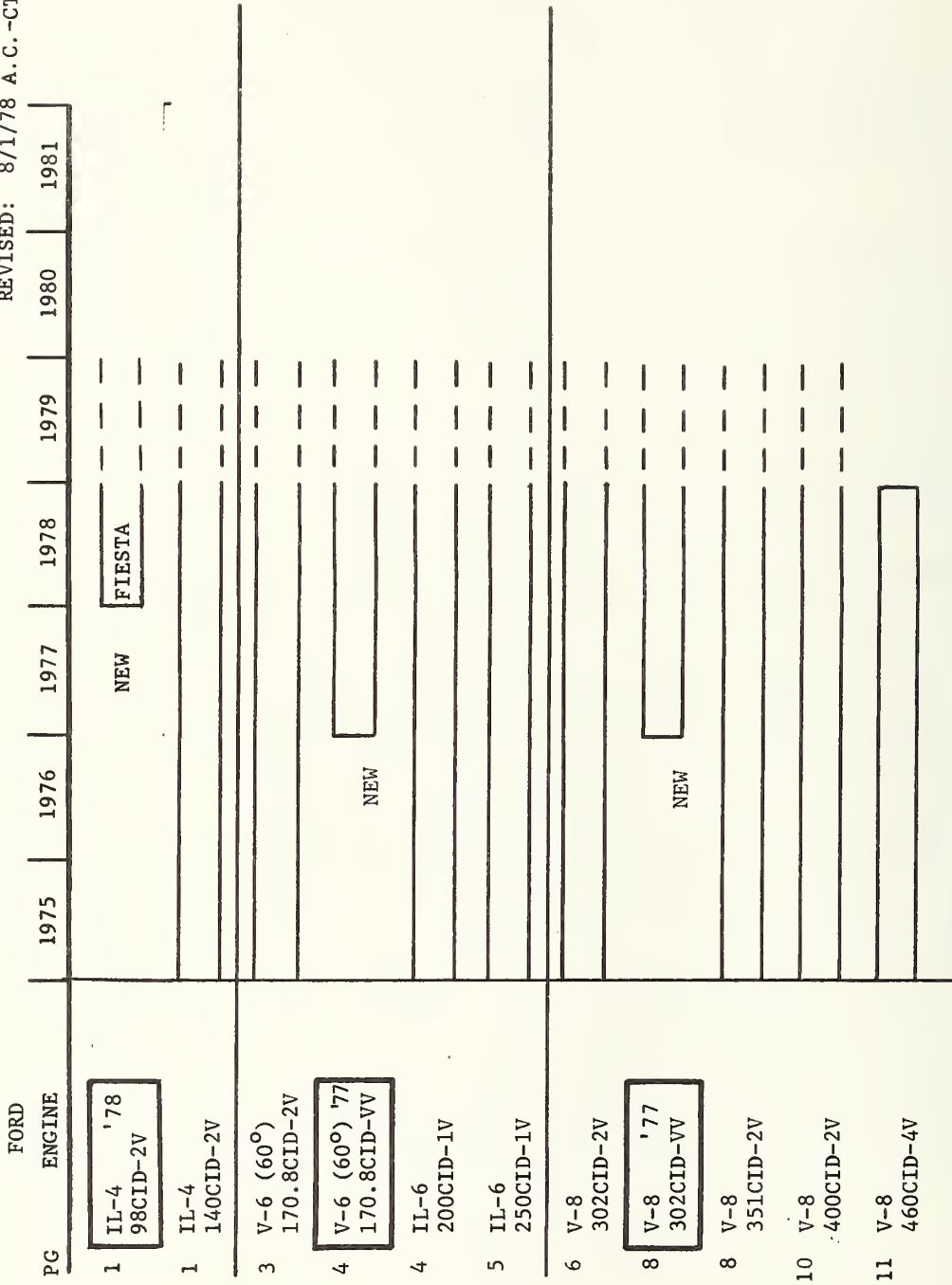


FIGURE 3-1. FORD ENGINES IN PRODUCTION, 1975-79

| FORD<br>GEAR RATIO IN FIRST<br>MANUFACTURER<br>AND LOCATION | FORWARD SPEEDS | TYPE | 1975   | 1976   | 1977   | 1978   | 1979   | 1980   | 1981   | 1982   |
|---|----------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
|   |                |      | 3.58 4 | 4.07 4 | 3.98 4 | 3.65 4 | 3.50 4 | 3.36 4 | 3.29 4 | 3.56 3 |
| FERODO<br>(TRANSVERSE)                                      |                |      |        |        |        |        |        |        |        |        |
| HUMMER CO.<br>COLOGNE, GER.                                 |                |      |        |        |        |        |        |        |        |        |
| HUMMER CO.<br>COLOGNE, GER.                                 |                |      |        |        |        |        |        |        |        |        |
| HUMMER CO.<br>COLOGNE, GER.                                 |                |      |        |        |        |        |        |        |        |        |
| WARNER GEAR<br>MUNCIE, IND.                                 |                |      |        |        |        |        |        |        |        |        |
| ---   |                |      |        |        |        |        |        |        |        |        |
| EREMC CO.<br>GUADALAJARA, MEX.                              |                |      |        |        |        |        |        |        |        |        |
| EREMC CO.<br>GUADALAJARA, MEX.                              |                |      |        |        |        |        |        |        |        |        |
| EREMC CO.<br>GUADALAJARA, MEX.                              |                |      |        |        |        |        |        |        |        |        |
| FORD C-3<br>BORDEAUX, FRANCE                                |                |      |        |        |        |        |        |        |        |        |
| FORD C-4<br>SHARONVILLE, OH                                 |                |      |        |        |        |        |        |        |        |        |
| FORD C-6<br>LIVONIA, MICH.                                  |                |      |        |        |        |        |        |        |        |        |
| FORD FMX<br>FAIRFAX, OHIO                                   |                |      |        |        |        |        |        |        |        |        |

FIGURE 3-2. FORD TRANSMISSIONS IN PRODUCTION, 1975-78

FORD 1975 - 1980

| ENGINE                   | MANUAL              |            |               |            |               |            |               |             |             |           |                 |            |                 |           | AUTOMATIC       |                |          |                     |          |               |          |               |           |               |  |
|--------------------------|---------------------|------------|---------------|------------|---------------|------------|---------------|-------------|-------------|-----------|-----------------|------------|-----------------|-----------|-----------------|----------------|----------|---------------------|----------|---------------|----------|---------------|-----------|---------------|--|
|                          | FORWARD SPEEDS      |            |               |            |               |            |               |             |             |           |                 |            |                 |           |                 |                |          |                     |          |               |          |               |           |               |  |
|                          | GEAR RATIO IN FIRST |            |               |            |               |            |               |             |             |           |                 |            |                 |           |                 |                |          |                     |          |               |          |               |           |               |  |
| MANUFACTURER LOCATION    | 4                   | 4          | 4             | 4          | 4             | 4          | 4             | 4           | 4           | 4         | 3               | 3          | 3               | 3         | 3               | 3              | 3        |                     |          |               |          |               |           |               |  |
|                          | 3.58                | 4.07       | 3.98          | 3.65       | 3.50          | 3.36       | 3.29          | 3.56        | 2.99        | 2.47      | 2.46            | 2.46       | 2.40            |           |                 |                |          |                     |          |               |          |               |           |               |  |
|                          | FERODO (TRANSVERSE) | HUPNER CO. | COLOCNE, GER. | HUPNER CO. | COLOCNE, GER. | HUPNER CO. | COLOCNE, GER. | WARNER GEAR | MUNCE, IND. | FRANC CO. | QUADAJARA, MEX. | FRANC CO.  | QUADAJARA, MEX. | FRANC CO. | QUADAJARA, MEX. | BOBBIEUX, MEX. | FORD C-3 | SHARONVILLE, FRANCE | FORD C-4 | LIVONIA, OHIO | FORD C-6 | LIVONIA, OHIO | FORD FLEX | FAIRFAX, OHIO |  |
| IL-4<br>98CID-2V         | 8                   |            |               |            |               |            |               |             |             |           |                 |            |                 |           |                 |                |          |                     |          |               |          |               |           |               |  |
| IL-4<br>140CID-2V        |                     | 6          | 7 8           | 5 6<br>7   | 5 6<br>7 8    | 5          |               |             |             |           |                 | 5 6<br>7 8 | 5 6<br>7 8      |           |                 |                |          |                     |          |               |          |               |           |               |  |
| V-6 (60°)<br>170.8CID-2V |                     | 6          | 8             |            | 5 6<br>7      |            |               |             |             |           |                 | 6<br>7 8   | 5 6<br>7        |           |                 |                |          |                     |          |               |          |               |           |               |  |
| V-6 (60°)<br>170.8CID-VV |                     |            |               |            |               |            |               |             |             |           |                 | 7 8        | 7               |           |                 |                |          |                     |          |               |          |               |           |               |  |
| IL-6<br>200CID-1V        |                     |            |               |            |               | 7          | 7 8           |             |             | 5 6       |                 | 8          | 5 6<br>7 8      |           |                 |                |          |                     |          |               |          |               |           |               |  |
| IL-6<br>250CID-1V        |                     |            |               |            |               | 7 8        | 7             |             |             | 5 6       |                 |            | 5 6<br>7 8      |           |                 |                |          |                     |          |               |          |               |           |               |  |
| V-8<br>302CID-2V         |                     |            |               |            |               | 7 8        |               |             |             | 5 6       |                 |            | 5 6<br>7 8      |           |                 |                |          |                     |          |               |          |               |           |               |  |
| V-8<br>302CID-VV         |                     |            |               |            |               |            |               |             |             |           |                 |            |                 | 7 8       |                 |                |          |                     |          |               |          |               |           |               |  |
| V-8<br>351CID-2V         |                     |            |               |            |               |            |               |             |             |           |                 |            | 5 6<br>7 8      | 5         | 7               |                |          |                     |          |               |          | 5 6<br>7 8    |           |               |  |
| V-8<br>400CID-2V         |                     |            |               |            |               |            |               |             |             |           |                 |            |                 |           |                 |                |          |                     |          |               |          | 5 6<br>7 8    | 6<br>7 8  |               |  |
| V-8<br>460CID-4V         |                     |            |               |            |               |            |               |             |             |           |                 |            |                 |           |                 |                |          |                     |          |               |          | 5 6<br>7 8    |           |               |  |

NOTE:  
 1975 = 5  
 1976 = 6, ETC.  
 ( ) = PROJECTED USAGE

|     |
|-----|
| 5 6 |
| 7 8 |
| 9 0 |

 } YEAR SLOTS '75-'80

FIGURE 3-3. FORD CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-78

| MODEL                   | 1975              |                    |                                |                         | 1976                    |                   |                    |                                | 1977                    |                         |                   |                    | 1978                           |                         |                         |  |
|-------------------------|-------------------|--------------------|--------------------------------|-------------------------|-------------------------|-------------------|--------------------|--------------------------------|-------------------------|-------------------------|-------------------|--------------------|--------------------------------|-------------------------|-------------------------|--|
|                         | IL-4<br>140<br>2V | V-6<br>170.8<br>2V | IL-6<br>200<br>250<br>1V<br>IV | V-8<br>302<br>351<br>2V | V-8<br>400<br>460<br>2V | IL-4<br>140<br>2V | V-6<br>170.8<br>2V | IL-6<br>200<br>250<br>1V<br>IV | V-8<br>302<br>351<br>2V | V-8<br>400<br>460<br>2V | IL-4<br>140<br>2V | V-6<br>170.8<br>2V | IL-6<br>200<br>250<br>1V<br>IV | V-8<br>302<br>351<br>2V | V-8<br>400<br>460<br>2V |  |
| MINI<br>FORD '78        |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| SUBCOMPACT              |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| BORGAT '75              |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| MUSTANG II              |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| PINTO                   |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| COMPACT                 |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| CONET / ZEPHYR '78      |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| LOGANADA '75            |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| MAVERICK / FAIRMONT '75 |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| MONARCH '75             |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| INTERMEDIATE            |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| COUGAR '77              |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| ELITE '75               |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| MONTEGO                 |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| TORINO/LTD II           |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| F-800 '77               |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| VENSAILLES '77          |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| FULL SIZE               |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| FORD '75                |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| MARK IV/V               |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| LUNGOON '75             |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |
| MERCURY '75             |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |                   |                    |                                |                         |                         |  |

A = AUTOMATIC TRANSMISSION  
N = MANUAL TRANSMISSION

FIGURE 3-4. FORD AUTOMATIC VS MANUAL TRANSMISSION AVAILABILITY, 1975-78

FORD 1975 - 1980

| PC | ENGINES                      | FORD 1975 - 1980 |                    |            |            |            |                    |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
|----|------------------------------|------------------|--------------------|------------|------------|------------|--------------------|-------------|-------------|--------------|-------------|------------|------------|-----------|--------|--------|-----------------|---------------|----------|-------------|-------------|-----------|--|
|    |                              | MINI             |                    | SUBCOMPACT |            |            | COMPACT            |             |             | INTERMEDIATE |             |            | LUXURY     |           |        |        |                 |               |          |             |             |           |  |
|    |                              | FESTA '78        | BORGAT '75         | CAPRI      | MUSTANG II | PINTO      | CONET              | BALMONT '78 | GRANADA '78 | MARINER '75  | MONARCH '75 | ZENITH '78 | CORCAR '77 | ELITE '75 | LTD II | MONTGO | THUNDERBIRD '77 | VEHSAILES '77 | FORD '75 | MERCURY '75 | LINCOLN '75 | MARK IV V |  |
| 1  | IL-4 '78<br>98CID-2V         |                  |                    |            |            |            |                    |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 2  | IL-4<br>140CID-2V            | 6<br>7 8         | 5 6 5 6<br>7 8 7 8 |            |            |            |                    |             |             |              |             | 8          |            |           |        |        |                 |               |          |             |             |           |  |
| 3  | V-6 (60')<br>170.8CID-2V     | 6<br>7 8         | 5 6 5 6<br>7 8 7 8 |            |            |            |                    |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 4  | V-6 (60') '77<br>170.8CID-VV | 7 8              | 8 7 8              |            |            |            |                    |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 4  | IL-6<br>200CID-1V            |                  |                    |            |            | 5 6<br>7 8 | 5 6 5 6<br>7 7     |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 5  | IL-6<br>250CID-1V            |                  |                    |            |            | 5 6<br>7   | 5 6 5 6<br>7 8 7 8 |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 6  | V-8<br>302CID-2V             |                  |                    |            |            | 5 6<br>7 8 | 5 6 5 6<br>7 8 7 8 |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 8  | V-8 '77<br>302CID-VV         |                  |                    |            |            | 7 8        | 7 8 7 8            |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 8  | V-8<br>351CID-2V             |                  |                    |            |            |            | 5 6<br>7           |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 10 | V-8<br>400CID-2V             |                  |                    |            |            |            | 5 6<br>7 8         |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |
| 11 | V-8<br>460CID-4V             |                  |                    |            |            |            | 5 6 5 6<br>7 8 7 8 |             |             |              |             |            |            |           |        |        |                 |               |          |             |             |           |  |

REVISED: 8/1/78 AC-CTP

NOTE:  
 1975 = 5  
 1976 = 6, ETC.  
 ( ) = PROJECTED  
 USAGE

|     |                            |
|-----|----------------------------|
| 5 6 | } YEAR<br>SLOTS<br>'75-'80 |
| 7 8 |                            |
| 9 0 |                            |

FIGURE 3-5. FORD CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-78



## 4. CHRYSLER CORPORATION

### 4.1 SUMMARY

Chrysler Corporation, the smallest of the domestic big three auto manufacturers, offers more engines, transmissions, and models than Ford Motor Company. This is primarily due to its affiliation with Mitsubishi of Japan; Chrysler sells Mitsubishi's Arrow, Colt, Sapporo, and Challenger models as captive imports. These models, along with their engines and transmissions, provide Chrysler with needed penetration in the small and sports car markets. Over the period 1975 through 1978 Chrysler used sixteen different engines or engine derivatives and eighteen transmissions (nine manual and nine automatic) on twenty-two different models. In 1978 alone, a total of fifteen engines and eleven transmissions (six manual and five automatic) were offered on sixteen models.

Only a small number of engine and transmission modifications are projected for future introduction by Chrysler. In 1979 the 360 CID V-8 will be the largest engine as the 400 and 440 CID V-8's are discontinued in conjunction with the introduction of new smaller full size vehicles. At this time Chrysler's lean burn system will be dropped in favor of a new electronic spark control system. A new induction manifold injection system and turbo-charger are expected for 1979 and 1980, respectively. Chrysler is developing a 225 CID prechamber diesel engine, derived from the well known slant six engine, which should be introduced in 1980. New domestic four-cylinder engines are due for introduction in the 1980's (to replace the current modified VW four) along with new fuel metering and injection systems. Also under development is a 225 CID six cylinder single chamber advanced technology diesel for possible introduction in the mid-1980's.

Chrysler was the first domestic auto manufacturer to introduce a new lock-up torque converter on many of their automatic transmissions for 1978, allowing an approximate 5% fuel economy improvement; the availability of this torque converter will be expanded to

more model and engine combinations in 1979 and later years. No four-speed automatic transmissions (or overdrive versions) are forecasted for use by Chrysler. See Volume I, Master Product Schedules, for a more detailed discussion of the product plans for Chrysler and the other auto manufacturers.

The detailed information worksheets (Engine-Transmission-Rear Axle Product Schedule) for Chrysler Corporation are found in Appendix C. The summary charts are described in Section 4.2 through 4.6 (Figures 4-1 through 4-5).

#### 4.2 ENGINES IN PRODUCTION (Figure 4-1)

This figure displays the production availability of all Chrysler engines from 1975 through 1979. Engine description includes: type, size (in CID), and fuel metering (number of carburetor barrels). Sixteen engines are listed for use during the period 1975 through 1979. Of these engines only five were new during this period: three 4-cylinder, one 6-cylinder, and one 8-cylinder engine. Two of the three new 4-cylinder engines were from Mitsubishi and the other was from VW for use in the Omni/Horizon. A 2-barrel version of the 225 CID slant 6 engine and a 4-barrel version of the 318 CID V-8 engine were also added. The 400 CID 2-barrel engine was discontinued in 1978 and the 400 and 440 CID 4-barrel engines were discontinued for 1979. Projected engine usage for 1979 is shown by dash lines; new engine introductions are marked by a bold outline in the appropriate year.

#### 4.3 TRANSMISSIONS IN PRODUCTION (Figure 4-2)

This chart depicts the transmission usage for Chrysler from 1975 through 1978. Bold outlining highlights the introduction year for new transmissions. The total number of transmissions listed is eighteen, with eleven of them in use in 1978 (six manual and five automatic). Codes are used on most of the automatic transmissions (named Torqueflite) to distinguish differences. All Chrysler automatic transmissions are currently three-speed; lock-up torque converters were available in 1978 on the A-904-LA, A-727 and A-999

models. Most automatic transmissions are new since 1976 (three in 1976, two in 1977, and one in 1978) but several were dropped in 1978.

Chrysler offers only a small number of manual transmissions. For domestic rear-drive vehicles only one three-speed and one four-speed (overdrive) manual are offered. The only five-speed manuals are from Mitsubishi; the Omni/Horizon used a VW four-speed manual transaxle. There is very little transmission switching by models from year to year by Chrysler due to the small number available. All Chrysler automatics are domestically produced with the exception of the Mitsubishi model produced in Japan.

#### 4.4 CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS (Figure 4-3)

This chart matches the different engines and transmissions in use from 1975 through 1978. Using the same format as GM (see Section 2.4), engine and transmission descriptions are consistent with those given in Figures 4-1 and 4-2 (Engines and Transmissions in Production).

As with Ford, Chrysler makes very few engine/transmission changes. Some minor changes of gear ratios has occurred with four-speed manual transmissions and some transmissions have been dropped, but no major changes have transpired. Chrysler does not have a domestic five-speed manual transmission and only offers a five-speed manual on captive imports produced by Mitsubishi. The 225 CID L-6 engine is the only engine using a three-speed manual transmission. The only manual transmissions offered with the 121.7 and 155.9 CID Mitsubishi engines have five-speeds. All other engines use a four-speed manual as standard equipment; it is optional with the 225 CID L-6. All engines have at least one automatic transmission available and some V-8's have two or more.

#### 4.5 AUTOMATIC VS. MANUAL TRANSMISSION AVAILABILITY (Figure 4-4)

This is a convenient summary of the availability of manual and automatic transmissions for each model/engine combination recognizing that in many combinations only one transmission type is offered. Using the same format as Ford (see Section 3.5), engine descriptions are consistent with those given in Figures 4-1 and 4-3.

From this data, several observations can be drawn. Manual transmissions are not used in any engine larger than the 318 CID 2-barrel. Manual transmissions are also not available with some smaller engine sizes on some models (Charger, Magnum, Cordoba, and all full size cars). Manual transmissions are generally available on the 318 CID 2-barrel V-8 engine and all four and six cylinder engines. Year to year changes in engine or transmission type for Chrysler models are not very common. Changes made in 1978 include the addition of the 360 CID engine to the full size Chrysler model and the addition of the 225, 360, and 400 CID engines to the Diplomat/LeBaron.

#### 4.6 CALENDAR OF MODEL/ENGINE COMBINATIONS (Figure 4-5)

Using the same format as GM (see Section 2.6), this chart demonstrates that the trend at Chrysler (like Ford) is toward smaller engines and the introduction of new engines for specific new vehicles. From this chart it can be seen that the 318 CID V-8 4-barrel was introduced for the Magnum XE in 1978 and the 104.7 CID 4-cylinder engine was introduced for the Omni/Horizon also in 1978. The Mitsubishi models introduced in 1978 also came with their own 155.9 CID 4-cylinder engine. The trend towards smaller engines by Chrysler manifested itself recently with the addition of the 225 CID engine in the Diplomat/LeBaron and the dropping of the 400 CID 2-barrel engine in 1978. More changes will occur in 1979 when the remaining 400 CID and 440 CID engines are dropped and the new lighter full-sized R-body is introduced using smaller engines.

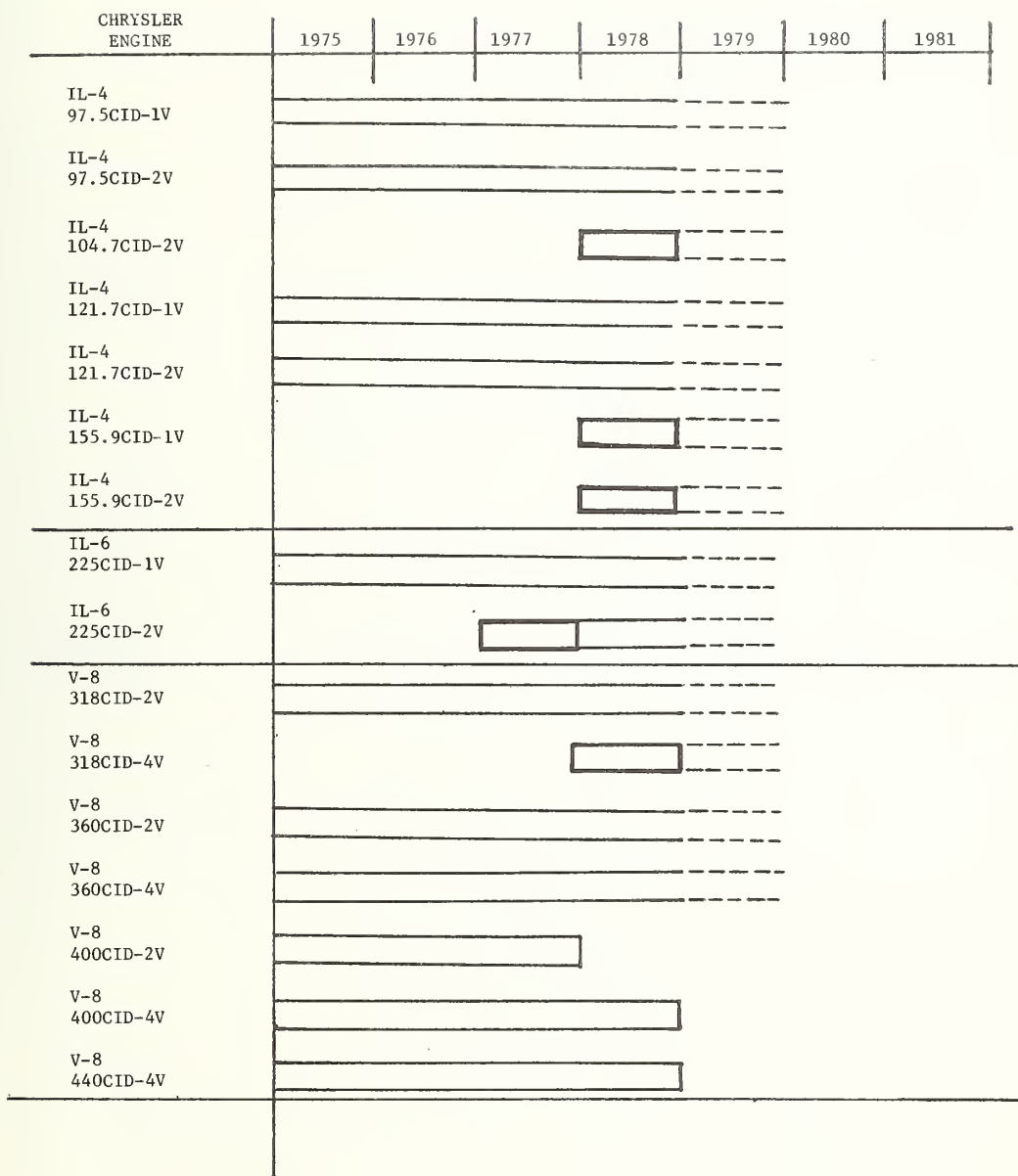


FIGURE 4-1. CHRYSLER ENGINES IN PRODUCTION, 1975-79

| FORWARD SPEEDS<br>GEAR RATIO IN FIRST<br>MANUFACTURER |      | TYPE                        | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 |
|---|------|-----------------------------|------|------|------|------|------|------|------|------|
|   |      | DAIKIN MFG.<br>(MITSUBISHI) | 3.37 | 5    |      |      |      |      |      |      |
| AISHIN SEIKI<br>(MITSUBISHI)                          | 3.22 | 5                           |      |      |      |      |      |      |      |      |
| AISHIN SEIKI<br>(MITSUBISHI)                          | 3.52 | 4                           |      |      |      |      |      |      |      |      |
| VOLKSWAGEN  | 3.45 | 4                           |      |      |      |      |      |      |      |      |
| A-390   | 3.09 | 4                           |      |      |      |      |      |      |      |      |
| A-390   | 3.09 | 4                           |      |      |      |      |      |      |      |      |
| A-390   | 3.09 | 4                           |      |      |      |      |      |      |      |      |
| A-390   | 3.08 | 3                           |      |      |      |      |      |      |      |      |
| A-390   | 2.99 | 3                           |      |      |      |      |      |      |      |      |
| (OMNI/HORIZON)  | 2.47 | 3                           |      |      |      |      |      |      |      |      |
| A-904<br>(MITSUBISHI)                                 | 2.45 | 3                           |      |      |      |      |      |      |      |      |
| TORQUEFLITE   | 2.45 | 3                           |      |      |      |      |      |      |      |      |
| A-904-LA<br>TORQUEFLITE                               | 2.45 | 3                           |      |      |      |      |      |      |      |      |
| A-904-LA<br>TORQUEFLITE                               | 2.45 | 3                           |      |      |      |      |      |      |      |      |
| A-723<br>TORQUEFLITE                                  | 2.45 | 3                           |      |      |      |      |      |      |      |      |
| A-727<br>TORQUEFLITE                                  | 2.45 | 3                           |      |      |      |      |      |      |      |      |
| A-998<br>TORQUEFLITE                                  | 2.45 | 3                           |      |      |      |      |      |      |      |      |
| A-999<br>TORQUEFLITE                                  | 2.45 | 3                           |      |      |      |      |      |      |      |      |

FIGURE 4-2. CHRYSLER TRANSMISSIONS IN PRODUCTION, 1975-78

| ENGINE              | MANUAL                                |     |   |   |   |                    |   |   |   |   | AUTOMATIC       |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
|---------------------|---------------------------------------|-----|---|---|---|--------------------|---|---|---|---|-----------------|-----|-----|-----|-----|--------------------|---|---|---|---|-----------------|---|---|---|---|
|                     | FORWARD SPEEDS<br>GEAR RATIO IN FIRST |     |   |   |   | NONPOWER<br>(1.00) |   |   |   |   | POWER<br>(1.00) |     |     |     |     | NONPOWER<br>(1.00) |   |   |   |   | POWER<br>(1.00) |   |   |   |   |
|                     | 5                                     | 4   | 3 | 2 | 1 | 5                  | 4 | 3 | 2 | 1 | 5               | 4   | 3   | 2   | 1   | 5                  | 4 | 3 | 2 | 1 | 5               | 4 | 3 | 2 | 1 |
| II-4<br>97.5CID-1V  | 7.8                                   | 7.8 |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| II-4<br>97.5CID-2V  | 7.8                                   | 7.8 |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| II-4<br>104.7CID-2V |                                       |     |   |   |   | 8                  |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| II-4<br>111.7CID-1V | 7.8                                   |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| II-4<br>121.7CID-2V | 7.8                                   |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| II-4<br>155.9CID-1V | 8                                     |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| II-4<br>155.9CID-2V | 8                                     |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| II-4<br>225CID-1V   |                                       |     |   |   |   |                    |   |   |   |   | 6               | 7.8 | 5.6 | 5   | 6   |                    |   |   |   |   |                 |   |   |   |   |
| II-6<br>235CID-2V   |                                       |     |   |   |   |                    |   |   |   |   | 7               | 8   | 8   |     |     |                    |   |   |   |   |                 |   |   |   |   |
| V-8<br>318CID-2V    |                                       |     |   |   |   |                    |   |   |   |   | 5               | 6   | 7   | 7.8 | 5.6 |                    |   |   |   |   |                 |   |   |   |   |
| V-8<br>318CID-4V    |                                       |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| V-8<br>360CID-2V    |                                       |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| V-8<br>360CID-4V    |                                       |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| V-8<br>400CID-2V    |                                       |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| V-8<br>400CID-4V    |                                       |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |
| V-8<br>440CID-1V    |                                       |     |   |   |   |                    |   |   |   |   |                 |     |     |     |     |                    |   |   |   |   |                 |   |   |   |   |

YEAR  
7 8 | SLOCS  
9 D | 75-'80

1975 = S  
1976 = 6, ETC.  
( ) = PROJECTED  
USAGE

NOTE: In 1978 Models  
new lock-up auto trans-  
mission is used in:  
-All Federal models  
except 440CID V-8.  
-All California models  
except 400CID V-8 &  
235CID II-6.  
-No high altitude  
models.  
REF: User's Engine Update  
11/11/77, P. 4.

FIGURE 4-3. CHRYSLER CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-78

| MODEL  | 1975                                 |                  |                                      |                  | 1976                                 |                  |                                      |                  | 1977                                 |                   |                                      |                  | 1978                                 |                  |                                      |                   |                   |                   |                  |                  |                  |                  |     |
|--|--------------------------------------|------------------|--------------------------------------|------------------|--------------------------------------|------------------|--------------------------------------|------------------|--------------------------------------|-------------------|--------------------------------------|------------------|--------------------------------------|------------------|--------------------------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|-----|
|  | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. | MODEL            | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. | MODEL            | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. | MODEL            | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. | MODEL            | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. | MODEL             | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. | MODEL            | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. | MODEL            | ENGINE TYPE<br>C.I. D.<br>CARB. BBL. |                   |                   |                   |                  |                  |                  |                  |     |
| -SUBCOMPACT-<br>ARROW<br>COLT<br>SABORD '78<br>MATILINER '73<br>OPRI/ROSLON '78                                      | IL-6<br>225<br>1V                    | V-8<br>318<br>2V | V-8<br>400<br>4V                     | V-8<br>440<br>5V | IL-6<br>225<br>1V                    | V-8<br>318<br>2V | V-8<br>360<br>4V                     | V-8<br>400<br>4V | V-8<br>440<br>4V                     | IL-6<br>225<br>1V | V-8<br>318<br>2V                     | V-8<br>360<br>4V | V-8<br>400<br>4V                     | V-8<br>440<br>4V | IL-6<br>225<br>1V                    | IL-6<br>225<br>1V | IL-6<br>225<br>1V | IL-6<br>225<br>1V | V-8<br>318<br>2V | V-8<br>360<br>4V | V-8<br>400<br>4V | V-8<br>440<br>4V |     |
|  |                                      | V-8<br>318<br>2V | V-8<br>400<br>4V                     | V-8<br>440<br>5V | IL-6<br>225<br>1V                    | V-8<br>318<br>2V | V-8<br>360<br>4V                     | V-8<br>400<br>4V | V-8<br>440<br>4V                     | IL-6<br>225<br>1V | V-8<br>318<br>2V                     | V-8<br>360<br>4V | V-8<br>400<br>4V                     | V-8<br>440<br>4V | IL-6<br>225<br>1V                    | IL-6<br>225<br>1V | IL-6<br>225<br>1V | IL-6<br>225<br>1V | V-8<br>318<br>2V | V-8<br>360<br>4V | V-8<br>400<br>4V | V-8<br>440<br>4V |     |
|  |                                      | V-8<br>318<br>2V | V-8<br>400<br>4V                     | V-8<br>440<br>5V | IL-6<br>225<br>1V                    | V-8<br>318<br>2V | V-8<br>360<br>4V                     | V-8<br>400<br>4V | V-8<br>440<br>4V                     | IL-6<br>225<br>1V | V-8<br>318<br>2V                     | V-8<br>360<br>4V | V-8<br>400<br>4V                     | V-8<br>440<br>4V | IL-6<br>225<br>1V                    | IL-6<br>225<br>1V | IL-6<br>225<br>1V | IL-6<br>225<br>1V | V-8<br>318<br>2V | V-8<br>360<br>4V | V-8<br>400<br>4V | V-8<br>440<br>4V |     |
|  |                                      | V-8<br>318<br>2V | V-8<br>400<br>4V                     | V-8<br>440<br>5V | IL-6<br>225<br>1V                    | V-8<br>318<br>2V | V-8<br>360<br>4V                     | V-8<br>400<br>4V | V-8<br>440<br>4V                     | IL-6<br>225<br>1V | V-8<br>318<br>2V                     | V-8<br>360<br>4V | V-8<br>400<br>4V                     | V-8<br>440<br>4V | IL-6<br>225<br>1V                    | IL-6<br>225<br>1V | IL-6<br>225<br>1V | IL-6<br>225<br>1V | V-8<br>318<br>2V | V-8<br>360<br>4V | V-8<br>400<br>4V | V-8<br>440<br>4V |     |
| -COMPACT-<br>ASPEN '76<br>DART<br>VALLAMI<br>VOLARE '76  | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M               | A/M               | A/M              | A/M              | A/M              | A/M              | A/M |
|  | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M               | A/M               | A/M              | A/M              | A/M              | A/M              | A/M |
|  | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M               | A/M               | A/M              | A/M              | A/M              | A/M              | A/M |
|  | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M                                  | A/M              | A/M                                  | A/M              | A/M                                  | A/M               | A/M               | A/M               | A/M              | A/M              | A/M              | A/M              | A/M |
| -INTERMEDIATE-<br>CHARGER S.E.<br>MAGNUM 'E '78<br>CORDOBA<br>DIPLOMAT '77<br>CORONET/FURY<br>LE BARON '77<br>NONACO | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |
|  | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |
|  | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |
|  | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |
| -FULL SIZE-<br>CHRYSLER<br>GRAN FURY<br>NONACO<br>ROYAL MONACO   | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |
|  | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |
|  | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |
|  | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                | A                                    | A                 | A                                    | A                | A                                    | A                | A                                    | A                 | A                 | A                 | A                | A                | A                | A                | A   |

A = AUTOMATIC TRANSMISSION  
N = MANUAL TRANSMISSION

FIGURE 4-4. CHRYSLER AUTOMATIC VS MANUAL TRANSMISSION AVAILABILITY, 1975-78



| ENGINES                 | SUBCOMPACT |        |                 |                | COMPACT          |           |        |         | INTERMEDIATE |              |              |          | FULL SIZE |               |        |             |         |          |               |         |              |   |
|-------------------------|------------|--------|-----------------|----------------|------------------|-----------|--------|---------|--------------|--------------|--------------|----------|-----------|---------------|--------|-------------|---------|----------|---------------|---------|--------------|---|
|                         | ARROW      | COLT   | SWEEPSTROKE '78 | CHALLENGER '78 | OMNI HORIZON '78 | ASPEX '76 | IMPACT | VALIANT | VOLARE '76   | MAJESTIC '78 | CHARGER S.E. | CONQUANT | CORONADO  | TEMPLEPAT '77 | FURY   | LEBRONN '77 | STRATUS | CHRYSLER | CORAL FIREFLY | SEBRING | ROYAL '76/80 |   |
| IL-6<br>97.5CID-1V      | 6<br>7     | 5<br>8 | 6<br>8          |                |                  |           |        |         |              |              |              |          |           |               |        |             |         |          |               |         |              |   |
| IL-6<br>97.5CID-2V      | 6<br>7     | 5<br>8 | 6<br>8          |                |                  |           |        |         |              |              |              |          |           |               |        |             |         |          |               |         |              |   |
| IL-6 '78<br>104.7CID-2V |            |        |                 | 8              |                  |           |        |         |              |              |              |          |           |               |        |             |         |          |               |         |              |   |
| IL-6<br>121.7CID-1V     | 6<br>7     | 5<br>8 | 6<br>7          |                |                  |           |        |         |              |              |              |          |           |               |        |             |         |          |               |         |              |   |
| IL-6<br>121.7CID-2V     | 6<br>7     | 5<br>8 | 6<br>7          |                |                  |           |        |         |              |              |              |          |           |               |        |             |         |          |               |         |              |   |
| IL-6<br>155.9CID-1V     |            | 8      | 8               | 8              |                  |           |        |         |              |              |              |          |           |               |        |             |         |          |               |         |              |   |
| IL-6<br>155.9CID-2V     |            | 8      | 8               | 8              |                  |           |        |         |              |              |              |          |           |               |        |             |         |          |               |         |              |   |
| IL-6<br>225CID-1V       |            |        |                 |                | 6<br>7           | 5<br>8    | 6<br>8 | 5<br>7  | 6<br>8       |              | 5<br>5       |          | 3<br>8    | 6<br>8        |        |             |         |          |               |         |              |   |
| IL-6 '77<br>225CID-2V   |            |        |                 |                | 7                | 8         |        | 7       | 8            |              |              | 8        | 7         | 8             | 8      | 7           | 8       |          |               |         |              |   |
| V-8<br>318CID-2V        |            |        |                 |                | 6<br>7           | 5<br>8    | 6<br>8 | 5<br>7  | 6<br>8       | 6<br>8       | 5<br>7       | 6<br>8   | 5<br>7    | 6<br>8        | 7<br>8 | 8<br>7      | 8<br>7  | 5<br>7   | 6<br>7        |         |              |   |
| V-8 '78<br>318CID-4V    |            |        |                 |                | 8                |           | 8      | 8       | 8            | 8            | 8            | 8        | 8         | 8             | 8      | 8           | 8       |          |               |         |              |   |
| V-8<br>360CID-2V        |            |        |                 |                | 6<br>7           | 5<br>8    |        | 6<br>7  | 5<br>8       | 6<br>8       | 5<br>7       | 6<br>8   | 5<br>7    | 6<br>8        | 7<br>8 | 8<br>7      | 8<br>7  | 5<br>7   | 6<br>7        | 5<br>6  |              | 7 |
| V-8<br>360CID-4V        |            |        |                 |                |                  | 5         | 6      | 5       | 6            | 8            | 5            | 6        | 7         | 8             |        |             | 4       | 5        | 6             | 5       | 6            | 7 |
| V-8<br>400CID-2V        |            |        |                 |                |                  |           |        |         |              | 5            | 6            | 7        | 8         |               |        |             | 5       | 6        | 5             | 6       | 7            | 7 |
| V-8<br>400CID-4V        |            |        |                 |                |                  |           |        |         |              | 8            | 5            | 6        | 7         | 8             |        |             | 8       | 5        | 6             | 5       | 6            | 7 |
| V-8<br>440CID-4V        |            |        |                 |                |                  |           |        |         |              |              |              |          |           |               |        |             | 5       | 6        | 5             | 6       | 5            | 7 |

5 8 YEAR  
7 8 SLOTS  
9 0 '75-'80  
1975 = 5  
1976 = 6  
( ) = PROJECTED  
USACF

FIGURE 4-5. CHRYSLER CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-78



## 5. AMERICAN MOTORS CORPORATION

### 5.1 SUMMARY

American Motors in recent years has had only four models on the market which, in 1978, used six engines and four transmissions (three manual and one automatic). For 1979 AMC is purchasing the Chrysler lock-up torque converter for use with Chrysler's automatic transmission and AMC's 304 CID V-8 engine. The intermediate size Matador is being dropped for 1979 and with it the 360 CID V-8 engine, which will make the 304 CID V-8 the largest engine used by AMC. In 1980 AMC intends to drop the 4-cylinder Audi engine currently used and purchase the Pontiac 151 4-cylinder engine in its place. The latter engine is currently available in several configurations and it is not known at this time which one or more versions AMC might use.

Capital is not available for AMC to operate extensive research and development facilities. As a result, it is highly dependent on outside suppliers for technological advances, especially in the engine/drivetrain area. AMC intends to purchase from other suppliers most of the technology it needs to meet the future emission and fuel economy standards, as exemplified by its purchase of the Chrysler lock-up torque converter and the Pontiac engine. Transversely mounted engines and transaxles may be purchased by AMC in the 1980's in order to introduce a front-wheel-drive mini car. See Volume I, Master Product Schedules, for a more detailed discussion of AMC's advanced product plans.

The detailed information worksheets (Engine-Transmission-Rear Axle Product Schedule) for American Motors are found in Appendix D. The summary charts are described in Sections 5.2 through 5.6 (Figures 5-1 through 5-5).

### 5.2 ENGINES IN PRODUCTION (Figure 5-1)

This figure displays the use of all AMC engines from 1975 through 1979. Engine description includes: type, size (in CID), and fuel metering (number of carburetor barrels). Of the eight engines listed for use during this period only the Audi 121 CID

4-cylinder engine was new. In 1975, the 401 CID V-8 was dropped; in 1976 the 360 CID 4-barrel V-8 was dropped. The 360 CID 2-barrel V-8 engine was dropped at the end of the 1978 model year along with the Matador. The Page Numbers shown next to the engine descriptions refer to the worksheets in Appendix D, Figure D-1.

### 5.3 TRANSMISSIONS IN PRODUCTION (Figure 5-2)

This chart depicts the transmission usage for AMC from 1975 through 1978. Bold outlining highlights the introduction year for new transmissions. Eight manual transmissions are listed but only three of them were used in 1978 along with one automatic transmission. The automatic transmission (named Torque-Command) is purchased from Chrysler and will be fitted with Chrysler's lock-up torque converter for 1979 when used with AMC's 304 CID V-8 engine. Four new manual transmissions have been introduced since 1976. These have generally been replacements for previously discontinued transmissions. One four-speed manual was specifically introduced in 1978 for use with the 121 CID 4-cylinder Audi engine. In addition, only one other four speed and one three speed manual were available in 1978. The varied list of transmission manufacturers attests to the large number of suppliers used by AMC over the years.

### 5.4 CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS (Figure 5-3)

This chart matches the different engines and transmissions in use from 1975 through 1978. Using the same format as GM (see Section 2.4), engine and transmission descriptions are consistent with those given in Figures 5-1 and 5-2 (Engines and Transmissions in Production).

The primary point brought out by this chart is that AMC has only one automatic transmission which it uses for all of its engines. As a result, this one automatic cannot be efficiently utilized to accommodate the varying load requirements of all its engines. Additional weight could be removed from selected models (and fuel economy increased) if more automatic transmissions were available which more closely matched the requirements of each engine/model combination.

## 5.5 AUTOMATIC VS. MANUAL TRANSMISSION AVAILABILITY (Figure 5-4)

This is a convenient summary of the availability of manual and automatic transmissions for each model/engine combination recognizing that in many combinations only one transmission type is offered. Using the same format as Ford (see Section 3.5) engine descriptions are consistent with those given in Figures 5-1 and 5-3.

Several observations can be made from this data. The use of manual transmissions with V-8 engines was discontinued in 1977 making the automatic transmission the only one available with V-8 engines. The use of a manual transmission with the 6-cylinder engine on the Matador was also discontinued in 1977 so the Matador could only be purchased with an automatic transmission. These changes were made primarily due to emission requirements (see discussion in Section 3.5). In 1978 the Pacer was offered with a 304 CID V-8 engine and automatic transmission for the first time. The new 121 CID 4-cylinder Audi engine was added to the Gremlin in 1977 with both automatic and manual transmissions as a means of boosting fuel economy. The Concord is scheduled to receive this engine in 1979, also to help fuel economy.

## 5.6 CALENDAR OF MODEL/ENGINE COMBINATIONS (Figure 5-5)

Using the same format as GM (see Section 2.6), this chart illustrates that AMC is following a trend to the use of smaller engines as a means of improving their corporate average fuel economy (CAFE). The primary examples of this are the discontinuance of the 304 CID V-8 on the Gremlin in 1976 and the addition of the 121 CID 4-cylinder engine in 1977.

| AMERICAN MOTORS |                   | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 |
|-----------------|-------------------|------|------|------|------|------|------|------|
| PG              | ENGINE            |      |      |      |      |      |      |      |
| 1.              | IL-4<br>121CID-2V |      | NEW  |      |      |      |      |      |
|                 | IL-6<br>232CID-1V |      |      |      |      |      |      |      |
| 3.              | IL-6<br>258CID-1V |      |      |      |      |      |      |      |
| 4.              | IL-6<br>258CID-2V |      |      |      |      |      |      |      |
|                 |                   |      |      |      |      |      |      |      |
| 6.              | V-8<br>304CID-2V  |      |      |      |      |      |      |      |
|                 | V-8<br>360CID-2V  |      |      |      |      |      |      |      |
| 7.              | V-8<br>360CID-4V  |      |      |      |      |      |      |      |
|                 | V-8<br>401CID-4V  |      |      |      |      |      |      |      |

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FIGURE 5-1. AMERICAN MOTORS ENGINES IN PRODUCTION, 1975-79

AMERICAN MOTORS

GEAR RATIO IN FIRST  
FORWARD SPEEDS  
MANUFACTURER  
AND LOCATION

|                  | TYPE   | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 |
|------------------|--------|------|------|------|------|------|------|------|------|
| BORG & BECK      | 3.65 4 |      |      |      |      |      |      |      |      |
| BORG & BECK      | 3.50 4 |      |      |      |      |      |      |      |      |
| LAYCOCK          | 2.99 4 |      |      |      |      |      |      |      |      |
| TREMEC           | 3.99 3 |      |      |      |      |      |      |      |      |
| WARNER GEAR      | 3.1 3  |      |      |      |      |      |      |      |      |
| AUTOMOTIVE PROD. | 2.99 3 |      |      |      |      |      |      |      |      |
| LAYCOCK          | 2.99 3 |      |      |      |      |      |      |      |      |
| TREMEC           | 2.99 3 |      |      |      |      |      |      |      |      |
| TORQUE-COMMAND   |        |      |      |      |      |      |      |      |      |
| CHRYSLER         | 2.45 3 |      |      |      |      |      |      |      |      |

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FIGURE 5-2. AMERICAN MOTORS TRANSMISSIONS IN PRODUCTION, 1975-78

AMERICAN MOTORS 1975-1980

| ENGINE                                   | MANUAL      |         |        |             |                  |         |        |                |          |      | AUTO |
|--|-------------|---------|--------|-------------|------------------|---------|--------|----------------|----------|------|------|
|  | 4           | 4       | 4      | 4           | 3                | 3       | 3      | 3              | 3        | 3    |      |
| FORWARD SPEEDS<br>GEAR RATIO<br>IN FIRST | 3.65        | 3.50    | 2.999  | 3.99        | 3.1              | 2.99    | 2.99   | 2.99           | 2.99     | 2.45 |      |
| MANUFACTURER<br>LOCATION                 | BORG & BECK | LAYCOCK | TREMEC | WARNER GEAR | AUTOMOTIVE PROD. | LAYCOCK | TREMEC | TORQUE COMMAND | CHRYSLER |      |      |
| IL-4<br>121CID-2V                        | 8           | 7       | 8      |             |                  |         |        |                |          | 7    | 8    |
| IL-6<br>232CID-1V                        |             | 7       | 8      | 5           | 6                | 7       | 8      | 6              | 5        | 6    | 5    |
| IL-6<br>258CID-1V                        |             | 8       | 5      | 5           | 6                | 7       |        | 6              | 6        | 5    | 6    |
| IL-6<br>258CID-2V                        |             | 7       | 8      |             | 6                | 7       |        | 6              | 6        | 7    | 8    |
| V-8<br>304CID-2V                         |             |         |        |             |                  |         |        |                | 5        | 6    | 5    |
| V-8<br>360CID-2V                         |             |         |        |             |                  |         |        |                |          | 7    | 8    |
| V-8<br>360CID-4V                         |             |         |        |             |                  |         |        |                |          | 5    | 6    |
| V-8<br>401CID-4V                         |             |         |        |             |                  |         |        |                |          | 5    |      |

|   |   |
|---|---|
| 5 | 6 |
| 7 | 8 |
| 9 | 0 |

 YEAR  
 SLOTS  
 '75-'80

1975 = 5  
 1976 = 6, ETC.  
 ( ) = PROJECTED  
 USAGE

Revised: 8/1/78 AC-CTP

FIGURE 5-3. AMERICAN MOTORS CALENDAR OF ENGINE/TRANSMISSION COMBINATIONS, 1975-78



AMERICAN MOTORS 1975-1978

| MODEL<br>ENGINE<br>C.I.D.<br>CARB. BBL. | 1975              |                   |                  | 1976             |                  |                   | 1977              |                   |                  | 1978              |                   |                   |                  |                   |                  |
|---|-------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|
|   | IL-6<br>232<br>1V | IL-6<br>258<br>2V | V-8<br>304<br>2V | V-8<br>360<br>2V | V-8<br>360<br>4V | IL-6<br>232<br>1V | IL-6<br>258<br>1V | IL-6<br>258<br>2V | V-8<br>360<br>2V | IL-6<br>232<br>1V | IL-6<br>258<br>1V | IL-6<br>258<br>2V | V-8<br>360<br>2V | IL-6<br>258<br>2V | V-8<br>360<br>2V |
| -SUBCOMPACT-<br>GREMLIN                 | A/M               | A/M               | A/M              |                  |                  | A/M               | A/M               | A/M               |                  |                   |                   |                   |                  |                   |                  |
| -COMPACT-<br>HORNET (CONCORD '78)       | A/M               | A/M               | A/M              |                  |                  | A/M               | A/M               | A/M               |                  |                   |                   |                   |                  |                   |                  |
| FAZER '75                               | A/M               | A/M               | A/M              |                  |                  | A/M               | A/M               | A/M               |                  |                   |                   |                   |                  |                   |                  |
| -INTERMEDIATE-<br>MATADOR               | A/M               | A/M               | A                | A                | A                | A/M               |                   |                   | A                |                   |                   |                   |                  | A                 |                  |

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A = AUTOMATIC TRANSMISSION  
M = MANUAL TRANSMISSION

FIGURE 5-4. AMERICAN MOTORS AUTOMATIC VS. MANUAL TRANSMISSION AVAILABILITY, 1975-78

AMERICAN MOTORS 1975-1980

| ENGINES |                       | VEHICLES   |            |            |            |
|---------|-----------------------|------------|------------|------------|------------|
|         |                       | CREMLIN    | HORNET     | PACER '75  | MATADOR    |
| PG      |                       |            |            |            |            |
| 1       | IL-4 '77<br>121CID-2V | 7 8        |            |            |            |
|         | IL-6<br>232CID-1V     | 5 6<br>7 8 | 5 6<br>7 8 | 5 6<br>7 8 |            |
| 3       | IL-6<br>258CID-1V     | 5 6<br>7 8 | 5 6<br>7 8 | 5 6<br>7 8 | 5 6<br>7   |
| 4       | IL-6<br>258CID-2V     |            | 6 6<br>7 8 | 6 6<br>7 8 | 8          |
| 6       | V-8<br>304CID-2V      | 5 6<br>7 8 | 5 6<br>7 8 | 8 7        | 5 6        |
|         | V-8<br>360CID-2V      |            |            |            | 5 6<br>7 8 |
| 7       | V-8<br>360CID-4V      |            |            |            | 5 6        |
|         | V-8<br>401CID-4V      |            |            |            | 5          |

1975 = 5  
1976 = 6, ETC.  
( ) = PROJECTED  
USAGE

|   |   |
|---|---|
| 5 | 6 |
| 7 | 8 |
| 9 | 0 |

} YEAR  
SLOTS  
'75-'80

Revised: 8/1/78 AC-CTP

FIGURE 5-5. AMERICAN MOTORS CALENDAR OF MODEL/ENGINE COMBINATIONS, 1975-78

APPENDIX A  
GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE  
PRODUCT SCHEDULE

TABLE A-1. NOTES FOR GENERAL MOTORS ENGINE-TRANSMISSION-REAR  
AXLE PRODUCT SCHEDULE

Footnotes:

- (a) Not available in California
- (b) Not available in high altitude
- (c) California only
- (d) High altitude only
- (e) Manufacturing option
- (f) Except station wagons
- (g) Station wagons only
- (h) Police option
- (i) Trailer option
- (R) Reverse

General Notes:

- (1) All axle ratios may not be available with air conditioning and some ratios are only available with air conditioning.
- (2) Some engine-driveline combinations may not be available with all series of each model.
- (3) Not all axle ratios are available with Positraction.

| ENGINE TYPE AND SIZE (TRANS. TYPE)         | 1975                          |      | 1976                          |      | 1977                          |      | 1978                          |      | 1979                          |      | 1980                          |      |
|--|-------------------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------|------|
|  | ORIVELINE RATIOS TRANSMISSION | AXLE | ORIVELINE RATIOS TRANSMISSION | AXLE | ORIVELINE RATIOS TRANSMISSION | AXLE | ORIVELINE RATIOS TRANSMISSION | AXLE | ORIVELINE RATIOS TRANSMISSION | AXLE | ORIVELINE RATIOS TRANSMISSION | AXLE |
| 11-cyl<br>5500-11<br>(1.42)<br>LXJ (CHEVY) |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
|  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| (MANUAL)                                   |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
|  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| (AUTO)                                     |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
|  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| 11-cyl<br>9-cyl<br>(1.61)<br>LXJ (CHEVY)   |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
|  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| (MANUAL)                                   |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
|  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| (AUTO)                                     |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
|  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80

| ENGINE TYPE AND SIZE (TRANS., TYPE)                           | 1975                          |      | 1976                          |      | 1977                          |      | 1978                          |      | 1979                          |      | 1980                          |      |
|---|-------------------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------|------|-------------------------------|------|
|   | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION | AXLE |
| L15 CONT.   |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| (AUTO)  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| T1-6*<br>97-6CID-1V<br>(1-64)<br>135 (CHEVY)<br>(HIGH OUTPUT) |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| (MANUAL)  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |
| (AUTO)  |                               |      |                               |      |                               |      |                               |      |                               |      |                               |      |

THM 180  
 3- 2.40 (S)  
 SPEED 1.48 3.70  
 1.00  
 1.92 (R) 4.11  
 CHEVETTE

BORG & BECK  
 4- 3.75 3.70  
 SPEED 2.16 4.11  
 (b) 1.38  
 1.60  
 3.82 (R)

THM 180  
 3- 2.40 3.70  
 SPEED 1.6 4.11  
 (S) 1.00  
 1.92 (R)  
 CHEVETTE

\*NEW IN 1978

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| GENERAL MOTORS<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975           |        | 1976           |   | 1977                  |   | 1978           |        | 1979           |        | 1980           |        |
|--|----------------|--------|----------------|---|-----------------------|---|----------------|--------|----------------|--------|----------------|--------|
|  | DRIVE-<br>LINE | RATIOS | DRIVE-<br>LINE | RATIOS  | DRIVE-<br>LINE        | RATIOS  | DRIVE-<br>LINE | RATIOS | DRIVE-<br>LINE | RATIOS | DRIVE-<br>LINE | RATIOS |
|  | TRANSMISSION   | AXLE   | TRANSMISSION   | AXLE  | TRANSMISSION          | AXLE  | TRANSMISSION   | AXLE   | TRANSMISSION   | AXLE   | TRANSMISSION   | AXLE   |
| IL-4*<br>110.8CID-2V<br>(1.80)<br>(15/22)                  |                |        |                |   |                       |   |                |        |                |        |                |        |
|  |                |        |                |   | DAIKIN                |   |                |        |                |        |                |        |
| (MANUAL)   |                |        | 4-<br>SPEED    | 3.51<br>2.18<br>1.42<br>1.00<br>3.83(R)         | 4-<br>SPEED           | 3.51<br>2.18<br>1.42<br>1.00<br>3.83(R)         |                |        |                |        |                |        |
|  |                |        |                | 3.545<br>ISUZU                                  | OPHEL BY<br>ISUZU     |   |                |        |                |        |                |        |
| (MANUAL)   |                |        |                |   | DAIKIN                |   |                |        |                |        |                |        |
|  |                |        | 5-<br>SPEED    | 3.51<br>2.18<br>1.42<br>1.00<br>0.86<br>3.78(R) | 5-<br>SPEED           | 3.51<br>2.18<br>1.42<br>1.00<br>0.86<br>3.78(R) |                |        |                |        |                |        |
| (AUTO)   |                |        |                |   | TURBO-HYDRA-MATIC 200 |   |                |        |                |        |                |        |
|  |                |        | 3-<br>SPEED    | 2.74<br>1.57<br>1.00<br>2.07(R)                 | 3-<br>SPEED           | 2.74<br>1.57<br>1.00<br>2.07(R)                 |                |        |                |        |                |        |
| (MANUAL)   |                |        |                |   |                       |   |                |        |                |        |                |        |
|  |                |        |                |   | CHEVROLET             |   |                |        |                |        |                |        |
| (MANUAL)   |                |        | 4-<br>SPEED    | 3.11<br>1.67<br>1.00<br>3.11(R)                 |                       |   |                |        |                |        |                |        |
|  |                |        |                |   | MEGA                  |   |                |        |                |        |                |        |
| (MANUAL)   |                |        |                |   |                       |   |                |        |                |        |                |        |
|  |                |        |                |   | CHEVROLET             |   |                |        |                |        |                |        |
| (MANUAL)   |                |        | 5-<br>SPEED    | 3.61<br>2.04<br>1.40<br>1.00<br>0.80<br>3.36(R) |                       |   |                |        |                |        |                |        |
|  |                |        |                |   | MEGA                  |   |                |        |                |        |                |        |

\*NEW IN 1976  
\*\*DROPPED IN 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE)           | 1975                                    |        |            | 1976                 |   |            | 1977        |                |            | 1978        |        |            | 1979        |        |            | 1980        |        |            |  |
|--|---|--------|------------|----------------------|---|------------|-------------|----------------|------------|-------------|--------|------------|-------------|--------|------------|-------------|--------|------------|--|
|  | DRIVE/TRANS                             | RATIOS | CAR MODELS | DRIVE/TRANS          | RATIOS  | CAR MODELS | DRIVE/TRANS | RATIOS         | CAR MODELS | DRIVE/TRANS | RATIOS | CAR MODELS | DRIVE/TRANS | RATIOS | CAR MODELS | DRIVE/TRANS | RATIOS | CAR MODELS |  |
| TL-4*<br>130CIV-IV<br>(G) (1)<br>113 (CHEV)  | 3-<br>SPEED 1.84<br>1.00<br>(a) 3.22(R) | 2.92   | VEGA       | CHEVROLET            | 3-<br>SPEED 3.11<br>1.84<br>(a) 3.22(R)         | 2.92       | VEGA        | (DISCONTINUED) |            |             |        |            |             |        |            |             |        |            |  |
|  |   |        | ASTRE      |                      |   |            |             |                |            |             |        |            |             |        |            |             |        |            |  |
| (MANUAL)                                     | 4-<br>SPEED 3.11<br>1.84<br>(a) 3.22(R) | 2.92   | VEGA       | CHEVROLET            | 3-<br>SPEED 3.11<br>1.84<br>(a) 3.22(R)         | 2.92       | VEGA        | (DISCONTINUED) |            |             |        |            |             |        |            |             |        |            |  |
|  |   |        | ASTRE      |                      |   |            |             |                |            |             |        |            |             |        |            |             |        |            |  |
| (MANUAL)                                     | 3-<br>SPEED 1.84<br>1.00<br>(a) 1.93(R) | 2.92   | VEGA       | TURBO HYDRAMATIC 350 | 3-<br>SPEED 2.52<br>1.52<br>(a) 1.00<br>1.93(R) | 2.92       | VEGA        | (DISCONTINUED) |            |             |        |            |             |        |            |             |        |            |  |
|  |   |        | ASTRE      |                      |   |            |             |                |            |             |        |            |             |        |            |             |        |            |  |
| (AUTO)                                       | 3-<br>SPEED 1.84<br>1.00<br>(a) 3.22(R) | 2.92   | VEGA       | CHEVROLET            | 3-<br>SPEED 3.11<br>1.84<br>(a) 3.22(R)         | 2.92       | VEGA        | (DISCONTINUED) |            |             |        |            |             |        |            |             |        |            |  |
|  |   |        | ASTRE      |                      |   |            |             |                |            |             |        |            |             |        |            |             |        |            |  |
| TL-4**<br>130CIV-2V<br>(G) (1)<br>111 (CHEV) | 3-<br>SPEED 1.84<br>1.00<br>(a) 3.22(R) | 2.92   | VEGA       |                      | 3-<br>SPEED 3.11<br>1.84<br>(a) 3.22(R)         | 2.92       | VEGA        |                |            |             |        |            |             |        |            |             |        |            |  |
|  |   |        | ASTRE      |                      |   |            |             |                |            |             |        |            |             |        |            |             |        |            |  |
| (MANUAL)                                     |   |        |            |                      |   |            |             |                |            |             |        |            |             |        |            |             |        |            |  |

\*DROPPED IN 1977  
\*\*DROPPED IN 1978

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

REVISED: 8/1/78 AG-CTP

| GENERAL COMMENTS | MODEL YEAR  |  |   |                                |   |   |                  |                  |                  |                  |                  |                  |
|------------------|---|--|---|--------------------------------|---|---|------------------|------------------|------------------|------------------|------------------|------------------|
|                  | 1975  |  | 1976  |                                | 1977  |   | 1978             |                  | 1979             |                  | 1980             |                  |
|                  | DRIVE SHAFT TYPE                                    | DRIVE SHAFT TYPE   | DRIVE SHAFT TYPE  | DRIVE SHAFT TYPE               | DRIVE SHAFT TYPE                                    | DRIVE SHAFT TYPE                          | DRIVE SHAFT TYPE | DRIVE SHAFT TYPE | DRIVE SHAFT TYPE | DRIVE SHAFT TYPE | DRIVE SHAFT TYPE | DRIVE SHAFT TYPE |
| (MANUAL)         | 4-<br>SPEED 3.11<br>2.20<br>1.47<br>3.11(R)         | 2.92<br>VEGA<br>ASTRE<br>MONZA<br>VEGA (C)<br>MONZA (D)<br>ASTRE | CHEVROLET<br>4-<br>SPEED 3.75<br>2.16<br>1.38<br>3.82(R)            | 2.92<br>VEGA<br>MONZA<br>ASTRE | 4-<br>SPEED 3.11<br>2.92<br>1.67<br>3.11(R)         | (b)<br>VEGA<br>ASTRE<br>MONZA<br>SUNBERG  | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   |
| (MANUAL)         | 3-<br>SPEED 3.41<br>2.08<br>1.00<br>0.80<br>3.36(R) | CHEVROLET<br>3-<br>SPEED 3.41<br>2.08<br>1.00<br>0.80<br>3.36(R) | CHEVROLET<br>3-<br>SPEED 3.41<br>2.08<br>1.00<br>0.80<br>3.36(R)    | 2.93<br>VEGA<br>MONZA<br>ASTRE | 3-<br>SPEED 3.40<br>2.08<br>1.00<br>0.80<br>3.36(R) | 3.42<br>VEGA<br>MONZA<br>ASTRE<br>SUNBERG | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   |
| (AUTO)           | 4-<br>SPEED 2.53<br>1.32<br>1.00<br>1.91(G)         | VEGA<br>ASTRE<br>MONZA<br>ASTRE<br>VEGA (C)<br>MONZA             | TURBO HYDRAMATIC 350<br>3-<br>SPEED 2.53<br>1.32<br>1.00<br>1.91(R) | 2.93<br>VEGA<br>MONZA<br>ASTRE | 3-<br>SPEED 2.53<br>1.32<br>1.00<br>1.91(R)         | (b)<br>ASTRE<br>VEGA                      | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   |
| (MANUAL)         | 3-<br>SPEED 3.11<br>1.84<br>1.00<br>3.22(R)         | CHEVROLET<br>3-<br>SPEED 3.11<br>1.84<br>1.00<br>3.22(R)         | CHEVROLET<br>3-<br>SPEED 3.11<br>1.84<br>1.00<br>3.22(R)            | 3.42<br>SUNBERG                | (DISCONTINUED)                                      | (DISCONTINUED)                            | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   | (DISCONTINUED)   |

TABLE 5  
GENERAL COMMENTS

DRIVE SHAFT TYPE  
(TRANS. TYPE)

(MANUAL)

(MANUAL)

(AUTO)

(MANUAL)

TABLE IN 1976 -  
RECORDED IN 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



| ENGINE TYPE AND SIZE (TRANS. TYPE)     | 1975                          |      | 1976                                  |                   | 1977                                  |                           | 1978                          |      | 1979                          |      | 1980                          |      |
|--|-------------------------------|------|---------------------------------------|-------------------|---------------------------------------|---------------------------|-------------------------------|------|-------------------------------|------|-------------------------------|------|
|  | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION         | AXLE              | DRIVELINE RATIOS TRANSMISSION         | AXLE                      | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION | AXLE | DRIVELINE RATIOS TRANSMISSION | AXLE |
| 1400TD-2V HIGH OUTPUT GEN.             |                               |      |                                       |                   |                                       |                           |                               |      |                               |      |                               |      |
| (MANUAL)                               |                               |      | CHEVROLET                             |                   | (DISCONTINUED)                        |                           |                               |      |                               |      |                               |      |
|  |                               |      | 4- SPEED 3.75 2.16 1.38 1.00 3.82 (R) | 2.93 3.42         | SUNBEIRD                              |                           |                               |      |                               |      |                               |      |
| (MANUAL)                               |                               |      | CHEVROLET                             |                   | (DISCONTINUED)                        |                           |                               |      |                               |      |                               |      |
|  |                               |      | 5- SPEED 3.41 2.48 1.00 D.80 3.36 (R) | 3.42              | SUNBEIRD                              |                           |                               |      |                               |      |                               |      |
| (AUTO)                                 |                               |      | TURBO HYDRA-MATIC 350                 |                   | (DISCONTINUED)                        |                           |                               |      |                               |      |                               |      |
|  |                               |      | 3- SPEED 2.52 1.52 1.00 1.93 (R) 3.42 | 2.93 (a) SUNBEIRD |                                       |                           |                               |      |                               |      |                               |      |
| 11-6** 15 (CED-2V (2.5)) LX6 (PONTIAC) |                               |      |                                       |                   |                                       |                           |                               |      |                               |      |                               |      |
| (MANUAL)                               |                               |      |                                       |                   | CHEVROLET                             |                           |                               |      |                               |      |                               |      |
|  |                               |      |                                       |                   | 4- SPEED 3.50 2.73 2.20 1.00 3.11 (R) | 2.73 ASTRE SUNBEIRD 3.42  |                               |      |                               |      |                               |      |
| (MANUAL)                               |                               |      |                                       |                   | (DISCONTINUED)                        |                           |                               |      |                               |      |                               |      |
|  |                               |      |                                       |                   | 4- SPEED 3.50 2.73 2.48 1.00 3.30 (R) | SUNBEIRD PONTIAC STAFFRTE |                               |      |                               |      |                               |      |

\*\*NEW IN 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

|                       | 1975                             |                    | 1976                             |                    | 1977   |                    | 1978                             |                    | 1979                             |                    | 1980                             |                    |
|-----------------------|----------------------------------|--------------------|----------------------------------|--------------------|--|--------------------|----------------------------------|--------------------|----------------------------------|--------------------|----------------------------------|--------------------|
|                       | DRIVELINE RATIOS<br>TRANSMISSION | CAR MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION | CAR MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION   | CAR MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION | CAR MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION | CAR MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION | CAR MODELS<br>AXLE |
| LX6 CONT.<br>(MANUAL) |                                  |                    |                                  |                    | CHEVROLET<br>5-<br>SPEED 3.40<br>3.42 ASTRE<br>2.08 2.91<br>(a) 1.39 SUNBIRD<br>(b) 1.00 VENTURA<br>0.80<br>3.36(R)                            |                    |                                  |                    |                                  |                    |                                  |                    |
| (AUTO)                |                                  |                    |                                  |                    | TURBO-HYDRAMATIC 200<br>3-<br>SPEED 2.74 (a) (b)<br>1.57 2.73 ASTRE<br>1.00 (b)<br>2.07(R) 2.93 SUNBIRD<br>(c)<br>3.23 VENTURA<br>3.42 (a) (b) |                    |                                  |                    |                                  |                    |                                  |                    |
| (AUTO)                |                                  |                    |                                  |                    |  |                    |                                  |                    |                                  |                    |                                  |                    |
| (AUTO)                |                                  |                    |                                  |                    |  |                    |                                  |                    |                                  |                    |                                  |                    |
| (MANUAL)              |                                  |                    |                                  |                    |  |                    |                                  |                    |                                  |                    |                                  |                    |
| (MANUAL)              |                                  |                    |                                  |                    |  |                    |                                  |                    |                                  |                    |                                  |                    |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| GENERAL MOTORS<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975                                     |                       | 1976                                     |                       | 1977                                     |                       | 1978                                     |                       | 1979                                     |                       | 1980                                     |                       |
|--|--|-----------------------|--|-----------------------|--|-----------------------|--|-----------------------|--|-----------------------|--|-----------------------|
|  | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE |
| IL-4<br>(2.5I)<br>(PONTIAC)<br>HIGH PERFORMANCE            |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |
| IL-4<br>(2.5I)<br>(PONTIAC)<br>TURBO                       |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |
| IL-4<br>(2.5I)<br>(PONTIAC)<br>LIGHT WEIGHT                |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |
| IL-6<br>(2.5I)<br>(PONTIAC)<br>TRANSVERSE                  |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |
| 60° V-6<br>(2.8L)<br>(CHEV)<br>TRANSVERSE                  |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |
| V-6<br>(3.2L)<br>(BUICK)                                   |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |
| (MANUAL)   |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |
| *NEW IN 1978   |  |                       |  |                       |  |                       |  |                       |  |                       |  |                       |

NEW FOR MID-YEAR

NEW TURBO

NEW FOR MID-YEAR

CHEVROLET

SPEED 3.50  
1.89  
(3)(b) 1.00  
3.02(R)

CENTURY  
REGAL

NEW TRANSVERSE FOR V-BODIES,  
THEM 125 AUTO TRANSAXLE  
& MANUAL VERSIONS

NEW FOR V-BODIES WITH  
THEM 125 AUTO TRANSAXLE  
& MANUAL VERSIONS

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



| ENGINE TYPE AND SIZE (TRANS. - DRIVE) | 1975  |                                |            | 1976  |  |            | 1977  |  |   | 1978  |                 |            | 1979              |      |            | 1980              |      |            |
|---------------------------------------|---|--------------------------------|------------|---|--|------------|---|--|---|---|-----------------|------------|-------------------|------|------------|-------------------|------|------------|
|                                       | DRIVE SHAFT RATIO                                       |                                | CAR MODELS | DRIVE SHAFT RATIO                                       |  | CAR MODELS | DRIVE SHAFT RATIO                                       |  | CAR MODELS  | DRIVE SHAFT RATIO   |                 | CAR MODELS | DRIVE SHAFT RATIO |      | CAR MODELS | DRIVE SHAFT RATIO |      | CAR MODELS |
|                                       | TRANSMISSION  | AXLE                           |            | TRANSMISSION  | AXLE   |            | TRANSMISSION  | AXLE                                       |   | TRANSMISSION  | AXLE            |            | TRANSMISSION      | AXLE |            | TRANSMISSION      | AXLE |            |
| <b>L26 (CHEV)</b> (AUTO)              |   |                                |            |   |  |            |   |  |   | THR 200   |                 |            |                   |      |            |                   |      |            |
|                                       |   |                                |            |   |  |            |   |  |   | THR 350   |                 |            |                   |      |            |                   |      |            |
| <b>L36 (BUICK)</b> (AUTO)             | 3-<br>SPEED<br>3.11<br>1.84<br>(a) 1.56<br>3.22 (R)     | 2.73<br>CENTURY (F)<br>SKYLARK | CHEVROLET  | 3-<br>SPEED<br>3.11<br>1.84<br>(a) 1.56<br>3.22 (R)     | 3.08<br>CENTURY (F)<br>SKYLARK                             |            | 3-<br>SPEED<br>3.11<br>1.84<br>(a) 1.56<br>3.22 (R)     | 3.08<br>CENTURY (F)<br>SKYLARK             |   | 3-<br>SPEED<br>2.74<br>1.84<br>(a) 1.57<br>(b) 1.00<br>2.07 (R) | MAJIE BU SK (E) |            |                   |      |            |                   |      |            |
|                                       |   |                                |            |   |  |            |   |  |   | 3-<br>SPEED<br>2.52<br>(a) 1.52<br>(b) 1.00<br>1.93 (R)         | MAJIE BU (F)    |            |                   |      |            |                   |      |            |
|                                       |   |                                |            |   |  |            |   |  |   | (DISCONTINUED)  |                 |            |                   |      |            |                   |      |            |
| <b>L36 (BUICK)</b> (MANUAL)           | 4-<br>SPEED<br>3.11<br>2.20<br>1.47<br>1.00<br>3.11 (R) | 2.56<br>SKYLARK<br>STAREFIRE   | CHEVROLET  | 4-<br>SPEED<br>3.11<br>2.20<br>1.47<br>1.00<br>3.11 (R) | 2.56<br>SKYLARK<br>SUNBIRD<br>STAREFIRE<br>(a) 2.93<br>(c) |            | 4-<br>SPEED<br>3.11<br>2.20<br>1.47<br>1.00<br>3.11 (R) | 2.93<br>SKYLARK (b)<br>2.56<br>SUNBIRD (b) | 3-<br>08<br>FIREBIRD<br>(a) LEAPERS (E)<br>(b) VENTURA<br>(c) | 3-<br>08<br>OHIOGA<br>2.56                                      |                 |            |                   |      |            |                   |      |            |
|                                       |   |                                |            |   |  |            |   |  |   | (DISCONTINUED)  |                 |            |                   |      |            |                   |      |            |

ENGINE TYPE AND SIZE (TRANS. - DRIVE)

L26 (CHEV) (AUTO)

(AUTO)

L36 (BUICK) (MANUAL)

(MANUAL)

\*DROPPED IN 1978, SEE P. 1975

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| GENERAL NOTIONS<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975                                       |   | 1976  |                                | 1977  |  | 1978                             |      | 1979                             |      | 1980                             |      |
|---|--|---|---|--------------------------------|---|--|----------------------------------|------|----------------------------------|------|----------------------------------|------|
|   | DRIVELINE RATIOS<br>TRANSMISSION           | AXLE  | DRIVELINE RATIOS<br>TRANSMISSION                                | AXLE                           | DRIVELINE RATIOS<br>TRANSMISSION                            | AXLE                                   | DRIVELINE RATIOS<br>TRANSMISSION | AXLE | DRIVELINE RATIOS<br>TRANSMISSION | AXLE | DRIVELINE RATIOS<br>TRANSMISSION | AXLE |
| L6T (CONT) (MANUAL)   | CHEVROLET                                  |   | CHEVROLET   |                                | CHEVROLET   |  | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      |
|   | 3-SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | CENTURY (E)<br>SKYHAWK<br>SKYLARK<br>STARFIRE | 5-SPEED<br>3.10<br>1.89 (a)<br>1.27<br>1.00<br>0.84<br>3.06 (R) | SKYHAWK<br>SUNBIRD<br>STARFIRE | 3-SPEED<br>3.40<br>2.08<br>1.39<br>1.00<br>0.80<br>3.36 (R) | SKYHAWK (b)<br>SUNBIRD (b)<br>STARFIRE | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      |
| L6C (CONT) (MANUAL)   | CHEVROLET                                  |   | CHEVROLET   |                                | CHEVROLET   |  | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      |
|   | 3-SPEED<br>2.73<br>1.52<br>1.00<br>1.93(R) | CENTURY (E)<br>SKYHAWK<br>SKYLARK<br>STARFIRE | 5-SPEED<br>3.10<br>1.89 (a)<br>1.27<br>1.00<br>0.84<br>3.06 (R) | SKYHAWK<br>SUNBIRD<br>STARFIRE | 3-SPEED<br>3.40<br>2.08<br>1.39<br>1.00<br>0.80<br>3.36 (R) | SKYHAWK (b)<br>SUNBIRD (b)<br>STARFIRE | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      |
| L6D (CONT) (MANUAL)   | CHEVROLET                                  |   | CHEVROLET   |                                | CHEVROLET   |  | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      |
|   | 3-SPEED<br>2.73<br>1.52<br>1.00<br>1.93(R) | CENTURY (E)<br>SKYHAWK<br>SKYLARK<br>STARFIRE | 5-SPEED<br>3.10<br>1.89 (a)<br>1.27<br>1.00<br>0.84<br>3.06 (R) | SKYHAWK<br>SUNBIRD<br>STARFIRE | 3-SPEED<br>3.40<br>2.08<br>1.39<br>1.00<br>0.80<br>3.36 (R) | SKYHAWK (b)<br>SUNBIRD (b)<br>STARFIRE | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      | (DISCONTINUED)                   |      |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE (TRANS. TYPE)                      | MODEL YEAR      |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|--|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|
|  | 1975            |            | 1976            |            | 1977            |            | 1978            |            | 1979            |            | 1980            |            |
|  | DRIVELINE RATIO | CAR MODELS | DRIVELINE RATIO | CAR MODELS | DRIVELINE RATIO | CAR MODELS | DRIVELINE RATIO | CAR MODELS | DRIVELINE RATIO | CAR MODELS | DRIVELINE RATIO | CAR MODELS |
| LD7 (CONT)                                     | (AUTO)          |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|  | (DISCONTINUED)  |            |                 |            |                 |            |                 |            |                 |            |                 |            |
| (EVEN FIRING)                                  |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|  |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
| V-6<br>231C10-2V<br>1.8 (BUICK)<br>LD3 (BUICK) | (MANUAL)        |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|  |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
| (MANUAL)                                       |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|  |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
| (MANUAL)                                       |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|  |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
| (MANUAL)                                       |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|  |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
| *NEW IN 1978<br>(RUNNING CHANGE END OF 1977)   |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |
|  |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS., TYPE) | 1975                               |            | 1976                               |            | 1977                               |            | 1978                               |            | 1979                               |            | 1980                               |            |  |
|-------------------------------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|--|
|                                     | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS |  |
| (MANUAL)                            | LDS (CONT)                         |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
| (MANUAL)                            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
| (AUTO)                              |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |
|                                     |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |  |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



| GENERAL MOTORS<br>FIVE YEAR<br>JIP, A, D, SIZE<br>(I.R.V.S. TYPE) | 1975                      |                | 1976                      |                | 1977                      |                | 1978   |                | 1979                      |                | 1980                      |                |
|---|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|--|----------------|---------------------------|----------------|---------------------------|----------------|
|   | DRIVELINE<br>TRANSMISSION | RATIOS<br>AXLE | DRIVELINE<br>TRANSMISSION | RATIOS<br>AXLE | DRIVELINE<br>TRANSMISSION | RATIOS<br>AXLE | DRIVELINE<br>TRANSMISSION  | RATIOS<br>AXLE | DRIVELINE<br>TRANSMISSION | RATIOS<br>AXLE | DRIVELINE<br>TRANSMISSION | RATIOS<br>AXLE |
| LD5 (CONV)  |                           |                |                           |                |                           |                | TRM 200  |                |                           |                |                           |                |
| (A) (1)   |                           |                |                           |                |                           |                | 3-SPEED<br>2.74<br>2.72 (b)<br>1.57<br>3.23<br>CENTURY (e)<br>1.00<br>(a, b)<br>2.07 (r)<br>3.23 (b)<br>3.23 (b)<br>DELTA 88 (c)<br>3.23 (b)<br>CENTURY<br>(d) (d) |                |                           |                |                           |                |
| LD5 (CONV)  |                           |                |                           |                |                           |                | TRM 350  |                |                           |                |                           |                |
| (A) (1)   |                           |                |                           |                |                           |                | 3-SPEED<br>2.52<br>2.73<br>REGAL<br>(a) 1.52<br>(b) 1.00<br>1.9 (R)<br>3.06<br>LESABRE (f)   |                |                           |                |                           |                |
| LD5 (CONV)  |                           |                |                           |                |                           |                | TRM 350  |                |                           |                |                           |                |
| (A) (1)   |                           |                |                           |                |                           |                | 3-SPEED<br>2.52<br>2.73<br>REGAL<br>1.00<br>2.93<br>1.9 (R)<br>(d)<br>1.9 (R)<br>3.08<br>LESABRE (f)<br>(a)<br>(b)<br>3.23<br>(d)                                  |                |                           |                |                           |                |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS., TYPE)       | 1975                     |         |  | 1976                     |         |  | 1977                     |   |                        | 1978  |         |   | 1979                     |   |                        | 1980  |         |   |           |   |                        |
|---|--------------------------|---------|--|--------------------------|---------|--|--------------------------|---|------------------------|---|---------|---|--------------------------|---|------------------------|---|---------|---|-----------|---|------------------------|
|   | DRIVE SHAFT TRANSMISSION | RATIOS  | AXLE   | DRIVE SHAFT TRANSMISSION | RATIOS  | AXLE   | DRIVE SHAFT TRANSMISSION | RATIOS  | AXLE                   | DRIVE SHAFT TRANSMISSION                                  | RATIOS  | AXLE  | DRIVE SHAFT TRANSMISSION | RATIOS  | AXLE                   | DRIVE SHAFT TRANSMISSION                                  | RATIOS  | AXLE  |           |   |                        |
| L-6<br>250C10-1V<br>(4-1L)<br>L2Z (CHEVY) |                          |         |  |                          |         |  |                          |   |                        |   |         |   |                          |   |                        |   |         |   |           |   |                        |
| (MANUAL)                                  | CHEVROLET                | 3-SPEED | 2.85<br>3.08<br>3.11<br>1.84<br>1.68<br>(a) 1.00<br>2.95 (R) | (DISCONTINUED)           |         |  |                          |   |                        |   |         |   |                          |   |                        |   |         |   |           |   |                        |
| (MANUAL)                                  | CHEVROLET                | 3-SPEED | 2.73 (a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R)       | CHEVROLET                | 3-SPEED | 2.73 (a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) | 3-SPEED                  | 2.73<br>(a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) | 3-SPEED                | 2.73<br>(a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) | 3-SPEED | 2.73<br>(a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) | 3-SPEED                  | 2.73<br>(a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) | 3-SPEED                | 2.73<br>(a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) | 3-SPEED | 2.73<br>(a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) | 3-SPEED   | 2.73<br>(a,b)<br>3.08<br>3.11<br>1.86<br>1.92<br>3.22 (R) |                        |
| (MANUAL)                                  | CHEVROLET                | 3-SPEED | 2.73 (a,b)<br>3.08 (d)                                       | CHEVROLET                | 3-SPEED | 2.73 (a,b)<br>3.08 (d)                                 | CHEVROLET                | 3-SPEED   | 2.73 (a,b)<br>3.08 (d) | CHEVROLET   | 3-SPEED | 2.73 (a,b)<br>3.08 (d)                                    | CHEVROLET                | 3-SPEED   | 2.73 (a,b)<br>3.08 (d) | CHEVROLET   | 3-SPEED | 2.73 (a,b)<br>3.08 (d)                                    | CHEVROLET | 3-SPEED   | 2.73 (a,b)<br>3.08 (d) |
| (MANUAL)                                  | CHEVROLET                | 3-SPEED | 2.73 (a)<br>3.08 (g)   | CHEVROLET                | 3-SPEED | 2.73 (a)<br>3.08 (g)                                   | CHEVROLET                | 3-SPEED   | 2.73 (a)<br>3.08 (g)   | CHEVROLET   | 3-SPEED | 2.73 (a)<br>3.08 (g)                                      | CHEVROLET                | 3-SPEED   | 2.73 (a)<br>3.08 (g)   | CHEVROLET   | 3-SPEED | 2.73 (a)<br>3.08 (g)                                      | CHEVROLET | 3-SPEED   | 2.73 (a)<br>3.08 (g)   |
| (MANUAL)                                  | CHEVROLET                | 3-SPEED | 2.73 (a)<br>3.08 (g)   | CHEVROLET                | 3-SPEED | 2.73 (a)<br>3.08 (g)                                   | CHEVROLET                | 3-SPEED   | 2.73 (a)<br>3.08 (g)   | CHEVROLET   | 3-SPEED | 2.73 (a)<br>3.08 (g)                                      | CHEVROLET                | 3-SPEED   | 2.73 (a)<br>3.08 (g)   | CHEVROLET   | 3-SPEED | 2.73 (a)<br>3.08 (g)                                      | CHEVROLET | 3-SPEED   | 2.73 (a)<br>3.08 (g)   |
| (MANUAL)                                  | CHEVROLET                | 3-SPEED | 2.73 (a)<br>3.08 (g)   | CHEVROLET                | 3-SPEED | 2.73 (a)<br>3.08 (g)                                   | CHEVROLET                | 3-SPEED   | 2.73 (a)<br>3.08 (g)   | CHEVROLET   | 3-SPEED | 2.73 (a)<br>3.08 (g)                                      | CHEVROLET                | 3-SPEED   | 2.73 (a)<br>3.08 (g)   | CHEVROLET   | 3-SPEED | 2.73 (a)<br>3.08 (g)                                      | CHEVROLET | 3-SPEED   | 2.73 (a)<br>3.08 (g)   |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE)           | 1975                                     |             | 1976            |            | 1977            |             | 1978            |             | 1979            |             | 1980            |             |
|--|--|-------------|-----------------|------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
|  | DRIVELINE RATIO                          | CAR MODELS  | DRIVELINE RATIO | CAR MODELS | DRIVELINE RATIO | CAR MODELS  | DRIVELINE RATIO | CAR MODELS  | DRIVELINE RATIO | CAR MODELS  | DRIVELINE RATIO | CAR MODELS  |
| L22 (CONT) (AUTO)                            | 3-SPEED                                  | 2.52        | OMEGA           | 2.73       | 2.52            | 2.73        | 2.52            | 2.73        | 2.52            | 2.73        | 2.52            | 2.73        |
|  | 1.52                                     | APOLLO      | (b)             | (b)        | 1.52            | CAMARO      | 1.52            | CAMARO      | 1.52            | CAMARO      | 1.52            | CAMARO      |
|  | 1.84                                     | PARADISE    | 1.99(R)         | 1.99(R)    | 1.84            | CHEVELLE(F) | 1.84            | CHEVELLE(F) | 1.84            | CHEVELLE(F) | 1.84            | CHEVELLE(F) |
|  | 1.93(R)                                  | VENTURA     |                 |            | 1.93(R)         | CHEVELLE(F) |                 | CHEVELLE(F) | 1.93(R)         | CHEVELLE(F) | 1.93(R)         | CHEVELLE(F) |
|  | 3.08                                     | CAMARO      | 3.08            | 3.08       | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) |
|  | 3.08                                     | NOVA        | (a,b)           | (a,b)      | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) |
|  | 3.08                                     | CHEVELLE(F) | 3.08            | 3.08       | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) |
|  | 3.08                                     | LEMANS (F)  |                 |            | 3.08            | CHEVELLE(F) |                 | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) |
|  | 3.08                                     | CUTLASS     |                 |            | 3.08            | CHEVELLE(F) |                 | CHEVELLE(F) | 3.08            | CHEVELLE(F) | 3.08            | CHEVELLE(F) |
|  |  |             |                 |            |                 | CHEVELLE(F) |                 | CHEVELLE(F) |                 | CHEVELLE(F) |                 | CHEVELLE(F) |
|  |  |             |                 |            |                 | CHEVELLE(F) |                 | CHEVELLE(F) |                 | CHEVELLE(F) |                 | CHEVELLE(F) |
|  |  |             |                 |            |                 | CHEVELLE(F) |                 | CHEVELLE(F) |                 | CHEVELLE(F) |                 | CHEVELLE(F) |
| DIESEL V-8 260CID (4.3L) OLDSMOBILE (MANTAL) | 3-SPEED                                  | 2.74        | NOVA            | 2.74       | 2.74            | 2.73        | 2.74            | 2.74        | 2.74            | 2.74        | 2.74            | 2.74        |
|  | 1.57                                     |             |                 |            | 1.57            |             |                 | 1.57        |                 | 1.57        |                 | 1.57        |
|  | 1.00                                     |             |                 |            | 1.00            |             |                 | 1.00        |                 | 1.00        |                 | 1.00        |
|  | 2.07(R)                                  |             |                 |            | 2.07(R)         |             |                 | 2.07(R)     |                 | 2.07(R)     |                 | 2.07(R)     |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  | V-8 200CID-2V (4.7L) OLDSMOBILE (MANTAL) | 3-SPEED     | 3.11            | OMEGA      | 3.11            | 3.11        | 3.08            | 3.11        | 3.11            | 3.11        | 3.11            | 3.11        |
| 1.84   |  | VENTURA(a)  | 1.84            | 1.84       | 1.84            | LEMANS (F)  | 1.84            | 1.84        | 1.84            | 1.84        | 1.84            | 1.84        |
| 3.22(R)                                      |  |             | 3.22(R)         | 3.22(R)    | 3.22(R)         | VENTURA     | 3.22(R)         | 3.22(R)     | 3.22(R)         | 3.22(R)     | 3.22(R)         | 3.22(R)     |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
| NEW DIESEL (MANTAL)                          |  | 3-SPEED     | 3.11            | CHEVROLET  | 3.11            | 3.11        | 3.11            | 3.11        | 3.11            | 3.11        | 3.11            | 3.11        |
|  | 2.20                                     |             |                 |            | 2.20            |             |                 | 2.20        |                 | 2.20        |                 | 2.20        |
|  | 1.60                                     |             |                 |            | 1.60            |             |                 | 1.60        |                 | 1.60        |                 | 1.60        |
|  | 3.11(R)                                  |             |                 |            | 3.11(R)         |             |                 | 3.11(R)     |                 | 3.11(R)     |                 | 3.11(R)     |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |
|  |  |             |                 |            |                 |             |                 |             |                 |             |                 |             |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

\*NEW IN 1975

| ENGINE TYPE AND SIZE (TRANS., TYPE) | 1975                     |                   | 1976                     |             | 1977                     |            | 1978                     |             | 1979                     |            | 1980                     |            |
|-------------------------------------|--------------------------|-------------------|--------------------------|-------------|--------------------------|------------|--------------------------|-------------|--------------------------|------------|--------------------------|------------|
|                                     | DRIVE/LINE RATIOS        | CAR MODELS        | DRIVE/LINE RATIOS        | CAR MODELS  | DRIVE/LINE RATIOS        | CAR MODELS | DRIVE/LINE RATIOS        | CAR MODELS  | DRIVE/LINE RATIOS        | CAR MODELS | DRIVE/LINE RATIOS        | CAR MODELS |
| V8 (CONT) (MANUAL)                  |                          |                   | CHEVROLET                |             |                          |            |                          |             |                          |            |                          |            |
|                                     | 3- 2.52<br>SPEED 1.52    | 2.56<br>CORVETTE  | 3- 3.41<br>SPEED 1.08    | LEMAN'S (F) | 3- 3.10<br>SPEED 1.89    | VENTURA    | 3- 2.56<br>SPEED 1.52    | DELTA 88(C) | 3- 3.40<br>SPEED 1.39    |            | 3- 2.56<br>SPEED 1.52    |            |
| (MANUAL)                            |                          |                   |                          |             |                          |            |                          |             |                          |            |                          |            |
|                                     | 3- 1.40<br>SPEED 1.00    | VENTURA           | 3- 1.40<br>SPEED 1.00    |             | 3- 1.40<br>SPEED 1.00    |            | 3- 1.40<br>SPEED 1.00    |             | 3- 1.40<br>SPEED 1.00    |            | 3- 1.40<br>SPEED 1.00    |            |
| (AUTO)                              |                          |                   | TRIM 350                 |             |                          |            |                          |             |                          |            |                          |            |
|                                     | 3- 2.52<br>SPEED 1.52    | AROLLO<br>SKYLARK | 3- 2.52<br>SPEED 1.52    | SKYLARK     | 3- 2.52<br>SPEED 1.52    | TRIM 350   | 3- 2.52<br>SPEED 1.52    | DELTA 88(C) | 3- 2.52<br>SPEED 1.52    |            | 3- 2.52<br>SPEED 1.52    |            |
| (AUTO)                              |                          |                   |                          |             |                          |            |                          |             |                          |            |                          |            |
|                                     | 3- 1.93(R)<br>SPEED 1.00 | OMEGA             | 3- 1.93(R)<br>SPEED 1.00 | OMEGA       | 3- 1.93(R)<br>SPEED 1.00 | OMEGA      | 3- 1.93(R)<br>SPEED 1.00 | OMEGA       | 3- 1.93(R)<br>SPEED 1.00 |            | 3- 1.93(R)<br>SPEED 1.00 |            |
| (MANUAL)                            |                          |                   |                          |             |                          |            |                          |             |                          |            |                          |            |
|                                     | 3- 2.56<br>SPEED 1.73    | VENTURA           | 3- 2.56<br>SPEED 1.73    | OMEGA       | 3- 2.56<br>SPEED 1.73    | OMEGA      | 3- 2.56<br>SPEED 1.73    | OMEGA       | 3- 2.56<br>SPEED 1.73    |            | 3- 2.56<br>SPEED 1.73    |            |
| V8 (CONT) (MANUAL)                  |                          |                   | CHEVROLET                |             |                          |            |                          |             |                          |            |                          |            |
|                                     | 3- 3.11<br>SPEED 1.86    | NOVA              | 3- 3.11<br>SPEED 1.86    | NOVA        | 3- 3.11<br>SPEED 1.86    | NOVA       | 3- 3.11<br>SPEED 1.86    | NOVA        | 3- 3.11<br>SPEED 1.86    |            | 3- 3.11<br>SPEED 1.86    |            |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

\*NEW IN 1975,  
DROPPED IN 1977

| MODEL YEAR                          | 1975   | 1976  | 1977  | 1978   | 1979  | 1980                                |
|-------------------------------------|--|---|---|--|---|-------------------------------------|
| DRIVE SHAFT AND SIZE (CHASSIS TYPE) | DRIVE LINE RATIOS TRANSMISSION AXLE                          | DRIVE LINE RATIOS TRANSMISSION AXLE   | DRIVE LINE RATIOS TRANSMISSION AXLE   | DRIVE LINE RATIOS TRANSMISSION AXLE  | DRIVE LINE RATIOS TRANSMISSION AXLE   | DRIVE LINE RATIOS TRANSMISSION AXLE |
| 4- (MANUAL)                         | 3.11<br>SPEED 2.56<br>2.93<br>1.47<br>1.00<br>3.11(R)        | CHEVROLET<br>3.11<br>SPEED 2.93<br>(a) 1.47<br>(b) 1.00<br>3.11(R)<br>MONZA     | (DISCONTINUED)  | (DISCONTINUED)   | (DISCONTINUED)  | (DISCONTINUED)                      |
| 4- (MANUAL)                         |  | CHEVROLET<br>3.10<br>SPEED 1.89<br>(a) 1.27<br>(b) 1.00<br>3.06(R)              | (DISCONTINUED)  | (DISCONTINUED)   | (DISCONTINUED)  | (DISCONTINUED)                      |
| 3- (AUTO)                           | 2.52<br>SPEED 1.52<br>1.00<br>1.93(R)<br>2.73<br>(d)<br>3.06 | TIM 350<br>2.52<br>SPEED 1.52<br>(a)<br>(d)<br>1.00<br>1.93(R)<br>2.93<br>MONZA | (DISCONTINUED)  | (DISCONTINUED)   | (DISCONTINUED)  | (DISCONTINUED)                      |
| 4- (MANUAL)                         |  |   | BORG & BECK<br>2.85<br>SPEED 2.02<br>(b) 1.35<br>1.00<br>2.85(R)  | (DISCONTINUED)   | (DISCONTINUED)  | (DISCONTINUED)                      |
| 3- (AUTO)                           |  |   | TIM 350<br>2.52<br>SPEED 1.52<br>(a) 1.00<br>(b) 1.93(R)<br>2.56<br>LE SABRE(F)<br>SKYLARK<br>FIREBIRD<br>VENTURA | 2.52<br>2.41<br>1.00<br>1.93(R)<br>2.56<br>LE SABRE(F)<br>SKYLARK<br>FIREBIRD<br>VENTURA<br>LEMONS | 2.29<br>SPEED 1.52<br>(a) 1.00<br>(b) 1.93(R)<br>2.41<br>2.56<br>GRAND PRIX<br>PONTIAC(G)<br>PONTIAC(H)<br>PONTIAC(I) |                                     |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

ENGINE TYPE AND SIZE (GRAND, TYPE)

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

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DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

DRIVE SHAFT RATIO TRANSMISSION AXLE

1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

1.27 (CONT)

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1.27 (CONT)

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1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

1.27 (CONT)

(AUTO)

(AUTO)

(AUTO)

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

\*\*NEW IN 1978

\*\*NEW IN 1976

| ENGINE TYPE AND SIZE (TRANS. TYPE) | MODEL YEAR                         |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|------------------------------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|------------------------------------|------------|
|                                    | 1975                               |            | 1976                               |            | 1977                               |            | 1978                               |            | 1979                               |            | 1980                               |            |
|                                    | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS |
| LG3 (CORV) (MANUAL)                |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
| (AUTO)                             |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |
|                                    |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |                                    |            |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

GENERAL MOTORS  
ENGINE  
TYPE AND SIZE  
(TRANS., TYPE)

| GENERAL MOTORS<br>ENGINE<br>TYPE AND SIZE<br>(TRANS., TYPE) | 1975                             |                       | 1976                             |                       | 1977  |  | 1978                             |   | 1979                             |                       | 1980                             |                       |
|---|----------------------------------|-----------------------|----------------------------------|-----------------------|---|--|----------------------------------|---|----------------------------------|-----------------------|----------------------------------|-----------------------|
|   | ORIVELINE RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION                                  | CAR<br>MODELS<br>AXLE                                  | DRIVELINE RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE   | DRIVELINE RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE | DRIVELINE RATIOS<br>TRANSMISSION | CAR<br>MODELS<br>AXLE |
| LG3 CONF<br>(AUTO)  |                                  |                       |                                  |                       | TRM 200<br>3 - 2.74<br>2.56 (b)<br>SPEED 1.57<br>1.00<br>2.07 (r) | NOVA<br>CHEVROLET<br>MONZA<br>VENTURA<br>OMEGA<br>2.56 |                                  |   |                                  |                       |                                  |                       |
| LG4 (CHEVY)<br>(AUTO)                                       |                                  |                       |                                  |                       |   |  |                                  | TRM 200<br>3 -<br>SPEED 2.74 2.29<br>1.57 1.57<br>(a) 1.00 2.73<br>(b) 2.07 (R)         |                                  |                       |                                  |                       |
|   |                                  |                       |                                  |                       |   |  |                                  | TRM 350<br>3 -<br>SPEED 2.26 2.41<br>2.26 2.73<br>(a) 1.00<br>(b) 1.93 (R) 2.29<br>2.73 |                                  |                       |                                  |                       |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR  
AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

\*NEW IN 1978



GENERAL MOTORS  
ENGINE  
TYPE AND SIZE  
(TRANS. TYPE)

V-8  
350CID-2V  
(5.7 / )  
L32 (BUICK)  
(AUTO)

V-8  
350CID-4T  
(5.7 / )  
L77 (BUICK)  
(AUTO)

V-8  
350CID-2V  
(5.7 / )  
L65 (CHEVY)  
(MANUAL)

| 1975   |              |  | 1976  |              |   | 1977  |              |   | 1978   |              |                            | 1979  |                      |  | 1980             |      |            |  |  |
|--|--------------|--|---|--------------|---|---|--------------|---|--|--------------|----------------------------|---|----------------------|--|------------------|------|------------|--|--|
| DRIVELINE RATIOS                               | AXLE         | CAR MODELS   | DRIVELINE RATIOS  | AXLE         | CAR MODELS                                    | DRIVELINE RATIOS  | AXLE         | CAR MODELS  | DRIVELINE RATIOS                               | AXLE         | CAR MODELS                 | DRIVELINE RATIOS                                | AXLE                 | CAR MODELS                                       | DRIVELINE RATIOS | AXLE | CAR MODELS |  |  |
| 3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.56         | CENTURY (I)<br>APOLLO<br>SKYLARK<br>OMEGA<br>VENTURA         | THM 350<br>3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.56<br>2.73 | SKYLARK<br>CENTURY (I)<br>CORVETTE<br>OMEGA   | (DISCONTINUED)  |              |   | (DISCONTINUED)                                 |              |                            |   |                      |  |                  |      |            |  |  |
| 3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.56         | CENTURY (I)<br>APOLLO<br>SKYLARK<br>OMEGA<br>VENTURA         | THM 350<br>3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.56<br>2.73 | CENTURY (I)<br>CORVETTE<br>OMEGA              | THM 350<br>3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.41<br>3.08 | CENTURY (F)<br>ELECTRA<br>RIVIERA<br>LESABRE (F)<br>CENTURY (G) | 3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.73<br>3.08 | LESABRE (F)<br>CENTURY (G) | 3-<br>SPEED<br>2.48<br>1.48<br>1.08<br>2.08 (F) | 2.41<br>2.73<br>3.08 | ELECTRA<br>RIVIERA<br>LESABRE (F)<br>CENTURY (G) |                  |      |            |  |  |
| 3-<br>SPEED<br>2.85<br>1.68<br>1.00<br>2.95(R) | 2.73<br>2.56 | (CHEVROLET)<br>CAMARO<br>MONTE CARLO<br>NOVA<br>CHEVELLE (F) | (DISCONTINUED)  |              |   | (DISCONTINUED)  |              |   |  |              |                            |   |                      |  |                  |      |            |  |  |
| 3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.73<br>2.56 | CHEVELLE (F)<br>CAMARO<br>MONTE CARLO<br>NOVA                | THM 350<br>3-<br>SPEED<br>2.52<br>1.52<br>1.00<br>1.93(R) | 2.73<br>2.56 | CHEVELLE (F)<br>CAMARO<br>MONTE CARLO<br>NOVA | (DISCONTINUED)  |              |   |  |              |                            |   |                      |  |                  |      |            |  |  |
|  | 3.08<br>2.73 | CHEVY (F)<br>CHEVELLE (F)                                    |   | 3.08<br>2.73 | CHEVROLET                                     |   |              |   |  |              |                            |   |                      |  |                  |      |            |  |  |

8 DRAFTED IN 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



| ENGINE TYPE AND SIZE (TRANS. TYPE)               | 1975  |            | 1976                |            | 1977  |            | 1978              |            | 1979   |            | 1980                                     |            |
|--|---|------------|---------------------|------------|---|------------|-------------------|------------|--|------------|--|------------|
|  | DRIVELINE RATIO                                   | CAR MODELS | DRIVELINE RATIO     | CAR MODELS | DRIVELINE RATIO                                   | CAR MODELS | DRIVELINE RATIO   | CAR MODELS | DRIVELINE RATIO  | CAR MODELS | DRIVELINE RATIO                          | CAR MODELS |
| V-8 *<br>350CID-4V<br>(5.7 l)<br>LM1/Z28 (CHEVY) | 3- 2.48<br>SPEED 1.48<br>1.00<br>2.08 (R)         |            | THM 400<br>CORVETTE |            | 3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R)          |            | THM 350<br>CAMARO |            | 3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R)                 |            | 3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R) |            |
|  | 4- 2.64<br>SPEED 1.75<br>1.34<br>1.00<br>2.55 (R) |            | CORVETTE            |            | 4- 2.64<br>SPEED 1.75<br>1.34<br>1.00<br>2.55 (R) |            | CAMARO            |            | 4- 2.64<br>SPEED 1.75<br>1.34<br>1.00<br>2.55 (R)        |            | CAMARO                                   |            |
| (AUTO)   | 3- 2.48<br>SPEED 1.48<br>1.00<br>2.08 (R)         |            | (DISCONTINUED)      |            | 3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R)          |            | CAMARO            |            | 3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R)                 |            | CAMARO                                   |            |
| (MANUAL)   | 4- 2.64<br>SPEED 1.75<br>1.34<br>1.00<br>2.55 (R) |            | CORVETTE            |            | 4- 2.64<br>SPEED 1.75<br>1.34<br>1.00<br>2.55 (R) |            | CORVETTE          |            | (DISCONTINUED)   |            | (DISCONTINUED)                           |            |
| (MANUAL)   | 3- 2.48<br>SPEED 1.48<br>1.00<br>2.08 (R)         |            | CORVETTE            |            | 3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R)          |            | CORVETTE          |            | 3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R)                 |            | CORVETTE                                 |            |
| (AUTO)   | 4- 2.64<br>SPEED 1.75<br>1.34<br>1.00<br>2.55 (R) |            | CORVETTE            |            | 4- 2.64<br>SPEED 1.75<br>1.34<br>1.00<br>2.55 (R) |            | CORVETTE          |            | 4- 2.85<br>SPEED 2.02<br>(a) 1.35<br>(b) 1.00<br>2.85(R) |            | CORVETTE                                 |            |

\* SEP. 1X. 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| GENERAL MOTORS<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975  |                     | 1976  |                     | 1977   |              | 1978   |              | 1979                             |      | 1980                             |      |
|--|---|---------------------|---|---------------------|--|--------------|--|--------------|----------------------------------|------|----------------------------------|------|
|  | DRIVELINE RATIOS<br>TRANSMISSION            | AXLE                | DRIVELINE RATIOS<br>TRANSMISSION                    | AXLE                | DRIVELINE RATIOS<br>TRANSMISSION                                 | AXLE         | DRIVELINE RATIOS<br>TRANSMISSION                       | AXLE         | DRIVELINE RATIOS<br>TRANSMISSION | AXLE | DRIVELINE RATIOS<br>TRANSMISSION | AXLE |
| V-8<br>350CID-4V<br>(5.7 l)<br>L82 (CHEV)<br>(MANUAL)      | 4-<br>SPEED 1.75<br>1.34<br>1.00<br>2.55(R) | 3.55                | 4-<br>SPEED 1.75<br>(a) 1.34<br>(b) 1.00<br>2.55(R) | 3.55                | CHEVROLET<br>4-<br>SPEED 1.75<br>(a) 1.34<br>(b) 1.00<br>2.55(R) | 3.70<br>3.55 | 4-<br>SPEED 1.75<br>(a) 1.34<br>(b) 1.00<br>2.55(R)    | 3.70<br>3.36 |                                  |      |                                  |      |
| (MANUAL)   | 4-<br>SPEED 1.61<br>1.23<br>1.00<br>2.35(R) | 3.55<br>(d)         | 4-<br>SPEED 1.61<br>(a) 1.23<br>1.00<br>2.35(R)     | 3.55<br>3.70<br>(d) | CHEVROLET<br>4-<br>SPEED 1.61<br>(a) 1.23<br>(b) 1.00<br>2.35    | 3.70<br>3.55 | 4-<br>SPEED 1.61<br>(a) 1.23<br>(b) 1.00<br>2.35(R)    | 3.70         |                                  |      |                                  |      |
| (AUTO)   | 3-<br>SPEED 1.48<br>1.08(R)<br>2.08(R)      | 3.36<br>3.55<br>(d) | 3-<br>SPEED 1.48<br>(a) 1.00<br>2.00<br>3.55(d)     | 3.36<br>3.55<br>(d) |  |              | 3-<br>SPEED 1.48<br>(a) 1.00<br>2.00                   |              |                                  |      |                                  |      |
| (AUTO)   | 3-<br>SPEED 1.52<br>(a) 1.00<br>1.93(R)     | 2.56<br>(f)         | THM 350<br>3-<br>SPEED 1.52<br>(a) 1.00<br>1.93(R)  | 2.41<br>2.41<br>(f) |  |              | THM 350<br>3-<br>SPEED 1.52<br>(a) 1.00<br>(b) 1.93(R) |              |                                  |      |                                  |      |

\* DROPPED IN 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



GENERAL MOTORS

| ENGINE TYPE AND SIZE (TRANS. TYPE)         | MODEL YEAR   |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|--|--------------|------------|--------------|------------|--------------|------------|----------------|------------|--------------|------------|--------------|------------|------|--------------------|---------------|--|
|  | 1975         |            | 1976         |            | 1977         |            | 1978           |            | 1979         |            | 1980         |            |      |                    |               |  |
|  | DELINE RATIO | CAR MODELS | DELINE RATIO | CAR MODELS | DELINE RATIO | CAR MODELS | DELINE RATIO   | CAR MODELS | DELINE RATIO | CAR MODELS | DELINE RATIO | CAR MODELS |      |                    |               |  |
| V-8<br>350 CID-4V<br>(5.7 L)<br>LS4 (OLDS) | 3-           | 2.52       |              | 3-         | 2.52         | 2.56       |                | 3-         | 2.52         | 2.41       |              | 3-         | 2.52 | 2.73               | LESABRE (c,d) |  |
|  | SPEED        | 1.52       | CUTLASS      | SPEED      | 1.52         | 2.73       | CUTLASS        | SPEED      | 1.52         | 2.41       | 2.41         | SPEED      | 1.52 | 2.41               | SKYLARK (f)   |  |
|  | 1.00         | 2.73       |              | 1.00       | 3.08         |            | (c) FIREBIRD   | 1.00       | 1.00         | 3.08       |              | 1.00       | 3.08 | (a,b) DELTA 88 (f) |               |  |
|  | 1.93(R)      |            |              | 1.93(R)    | 2.41         |            | (d) GRAND PRIX | 1.93(R)    | 2.73         | 2.73       |              | 2.73       | 2.73 | (a,b) DELTA 88 (f) |               |  |
|  |              |            |              |            |              |            | VENTURA (f)    |            | 2.41         | 2.73       |              | 2.41       | 2.73 | 2.73               | DELTA 88 (g)  |  |
|  |              |            |              |            |              |            |                | 2.73       | 2.73         | 2.73       |              | 2.73       | 2.73 | 2.73               | DELTA 88 (g)  |  |
|  |              |            |              |            |              |            |                | 2.56       | 2.56         | 2.56       |              | 2.56       | 2.56 | 2.56               | (a,b)         |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
| (AUTO)                                     |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
| (AUTO)                                     |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
| (AUTO)                                     |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |
|  |              |            |              |            |              |            |                |            |              |            |              |            |      |                    |               |  |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

\* NEW IN 1978

| GENERAL MOTORS<br>ENGINE TYPE<br>TYPE AND SIZE<br>CLASS TYPE | MODEL YEAR      |  |   |   |   |   |                |   |               |   |               |   |               |   |               |      |  |  |
|--|-----------------|--|---|---|---|---|----------------|---|---------------|---|---------------|---|---------------|---|---------------|------|--|--|
|  | 1977            |  |   | 1976  |   |   | 1977           |   |               | 1978  |               |   | 1979          |   |               | 1980 |  |  |
|  | DRIVE-<br>SHAFT | DRIVELINE<br>RATIOS<br>TRANSMISSION<br>AXLE              | CAR<br>MODELS                               | DRIVELINE<br>RATIOS<br>TRANSMISSION<br>AXLE | CAR<br>MODELS   | DRIVELINE<br>RATIOS<br>TRANSMISSION<br>AXLE | CAR<br>MODELS  | DRIVELINE<br>RATIOS<br>TRANSMISSION<br>AXLE | CAR<br>MODELS | DRIVELINE<br>RATIOS<br>TRANSMISSION<br>AXLE | CAR<br>MODELS | DRIVELINE<br>RATIOS<br>TRANSMISSION<br>AXLE | CAR<br>MODELS | DRIVELINE<br>RATIOS<br>TRANSMISSION<br>AXLE | CAR<br>MODELS |      |  |  |
| (V-8)<br>400CID-13<br>(6, 6-1)<br>13 (CHEVY)                 | (AUTO)          | THM 400<br>3- 2.48<br>SPEED 1.48<br>1.00<br>2.08(R)      | CHEVY (T)<br>CHEVY (Q)                      | (DISCONTINUED)                              |   |   |                |   |               |   |               |   |               |   |               |      |  |  |
|  | (AUTO)          | THM 350<br>3- 2.52<br>SPEED 1.52<br>1.00<br>1.93(R) 2.73 | MONTE CARLO<br>CHEVILLE (C)<br>CHEVILLE (S) | (DISCONTINUED)                              |   |   |                |   |               |   |               |   |               |   |               |      |  |  |
| (V-8)<br>400CID-13<br>(6, 6-1)<br>PONTIAC                    | (AUTO)          |  |   |   | THM 400<br>3- 2.48<br>SPEED 1.48<br>(a) 1.00<br>2.08(R)             | GRAND PRIX<br>LEMAN<br>PONTIAC (F)          | (DISCONTINUED) |   |               |   |               |   |               |   |               |      |  |  |
|  | (MANUAL)        |  |   |   | BORG & BECK<br>4- 2.43<br>SPEED 1.75<br>(D) 1.00<br>1.00<br>2.35(S) | FIREBIRD                                    | (DISCONTINUED) |   |               |   |               |   |               |   |               |      |  |  |

8-3800-11-1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (LEANS, <i>etc.</i> )               | 1975  |  |  | 1976   |  |  | 1977   |  |  | 1978   |  |  | 1979   |  |  | 1980   |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  | DRIVE SHAFT RATIO   | DRIVE SHAFT RATIO  | DRIVE SHAFT RATIO  | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO  | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      | DRIVE SHAFT RATIO                                      |  |  |
| L78 (CONT)<br>(AUTO)                                     | 3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R)                   | 2.56<br>FIREBIRD   | 3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R)                                | 2.41<br>FIREBIRD                                       | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R)                 | 2.41<br>FIREBIRD<br>LEMAN'S (F)                        | 2.52<br>FIREBIRD<br>LEMAN'S (F)                        | 2.56<br>FIREBIRD<br>LEMAN'S (F)                        | 2.52<br>FIREBIRD<br>LEMAN'S (F)                        | 2.56<br>FIREBIRD<br>LEMAN'S (F)                        | 2.52<br>FIREBIRD<br>LEMAN'S (F)                        | 2.56<br>FIREBIRD<br>LEMAN'S (F)                        | 2.52<br>FIREBIRD<br>LEMAN'S (F)                        | 2.56<br>FIREBIRD<br>LEMAN'S (F)                        | 2.52<br>FIREBIRD<br>LEMAN'S (F)                        | 2.56<br>FIREBIRD<br>LEMAN'S (F)                        | 2.52<br>FIREBIRD<br>LEMAN'S (F)                        | 2.56<br>FIREBIRD<br>LEMAN'S (F)                        |  |
|  | 3-<br>SPEED 2.48<br>1.46<br>1.00<br>2.08(R)                   | (a)<br>2.73<br>PONTIAC (g)<br>GRAND PRIX<br>LEMAN'S (F)                    | 3-<br>SPEED 2.48<br>1.46<br>1.00<br>2.08(R)                                | 2.41<br>GRAND PRIX<br>LEMAN'S (F)                      | TRM 400<br>3-<br>SPEED 2.48<br>1.46<br>1.00<br>2.08(R)                 | 2.41<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.48<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.41<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.48<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.41<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.48<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.41<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.48<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.41<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.48<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.41<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.48<br>GRAND PRIX<br>LEMAN'S (F)                      |
| V-8*<br>400CID-4V<br>(6.6L)<br>172 (PONTIAC)<br>(MANUAL) | 2.73<br>DELTA 88 (g)<br>OLDS 98<br>PONTIAC (f)<br>LEMAN'S (g) | 2.73<br>DELTA 88 (g)<br>OLDS 98<br>PONTIAC (f)<br>LEMAN'S (g)              | 2.73<br>DELTA 88 (g)<br>OLDS 98<br>PONTIAC (f)<br>LEMAN'S (g)              | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      | 2.56<br>GRAND PRIX<br>LEMAN'S (F)                      |  |
|  | 4-<br>SPEED 2.43<br>1.61<br>(a) 1.23<br>1.00<br>(b) 2.35(R)   | BORG & BECK<br>4-<br>SPEED 2.43<br>1.61<br>(a) 1.23<br>1.00<br>(b) 2.35(R) | BORG & BECK<br>4-<br>SPEED 2.43<br>1.61<br>(a) 1.23<br>1.00<br>(b) 2.35(R) | 3.23<br>FIREBIRD                                       | TRM 350<br>4-<br>SPEED 2.43<br>1.61<br>(a) 1.23<br>1.00<br>(b) 2.35(R) | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       | 3.23<br>FIREBIRD                                       |
| (AUTO)   | 3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R)                   | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R)                     | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R)                     | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R)                 | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) | TRM 350<br>3-<br>SPEED 2.52<br>1.52<br>1.00<br>1.93(R) |

\*NEW IN 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)





| ENGINE TYPE AND SIZE (GENS. SIZE)                 | 1975             |            |      | 1976             |            |      | 1977             |            |      | 1978             |            |      | 1979             |            |      | 1980             |            |      |  |
|---|------------------|------------|------|------------------|------------|------|------------------|------------|------|------------------|------------|------|------------------|------------|------|------------------|------------|------|--|
|   | DRIVELINE RATIOS | CAR MODELS | AXLE | DRIVELINE RATIOS | CAR MODELS | AXLE | DRIVELINE RATIOS | CAR MODELS | AXLE | DRIVELINE RATIOS | CAR MODELS | AXLE | DRIVELINE RATIOS | CAR MODELS | AXLE | DRIVELINE RATIOS | CAR MODELS | AXLE |  |
| L6D (CONT)  |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
|   |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
| (AUTO)  |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
|   |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
| V-8*<br>425CID-4V<br>(7.07)<br>L33 (CADILLAC)     |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
|   |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
| (AUTO)  |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
|   |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
| V-8*<br>425CID-E.F.1.<br>(7.07)<br>L35 (CADILLAC) |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
|   |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
| (AUTO)  |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |
|   |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |                  |            |      |  |

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

\* NEW IN 1977

| ENGINE TYPE AND SIZE (TRANS. TYPE) | DRIVELINE RATIOS |      | CAR MODELS | DRIVELINE RATIOS |      | CAR MODELS | DRIVELINE RATIOS |      | CAR MODELS | DRIVELINE RATIOS |      | CAR MODELS |
|------------------------------------|------------------|------|------------|------------------|------|------------|------------------|------|------------|------------------|------|------------|
|                                    | TRANSMISSION     | AXLE |            | TRANSMISSION     | AXLE |            | TRANSMISSION     | AXLE |            | TRANSMISSION     | AXLE |            |

L35 (CONT.)  
(AUTO)

V-8\* 3300-1V (7.4L) LS4 (CHEVY)  
(AUTO)

V-8\* 455CID-4V (7.4L) BUICK  
(AUTO)

3-  
SPEED 2.48 2.73 CHEVY  
1.48 (G) MONTE CARLO  
1.00 3.08 2.73 CHEVY  
(S) 1.00 2.08 (R)  
2.08 (R)

3-  
SPEED 2.52 2.73 LE SABRE (F)  
1.52 2.73  
1.00  
1.93 (R)

3-  
SPEED 2.48 2.93 LE SABRE (G)  
1.48 (G) ELECTRA  
1.00 2.73  
2.08 (R) 2.93 RIVIERA  
(G) 2.73

3-  
SPEED 2.48 2.48 LE SABRE (G)  
1.48 3.23  
1.00 2.73  
2.08 (R) (G) ELECTRA  
(G) 2.56 RIVIERA  
(G) 2.56 RIVIERA  
(C) 2.93  
2.73 LE SABRE (F)

3-  
SPEED 2.48 2.48 (N)  
1.48 2.28 CADILLAC  
1.00 (G)  
2.07 (R) 3.08  
2.07 (R) 2.73  
(G) 3.08  
3.08

3-  
SPEED 2.48  
1.48  
1.00  
2.07 (R)  
2.73  
3.08

3-  
SPEED 2.48  
1.48  
1.00  
2.07 (R)  
2.73  
3.08

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

\*DROPPED IN 1977

NOBLE VALUE

REVISED: 8/1/78 AC-CTP

| GENERAL MOTORS<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975   |            | 1976                                   |            | 1977                                   |            | 1978                                   |            | 1979                                   |            | 1980                                   |            |
|--|--|------------|--|------------|--|------------|--|------------|--|------------|--|------------|
|  | DRIVE LINE RATIOS<br>TRANSMISSION AXLE       | CAR MODELS | DRIVE LINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVE LINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVE LINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVE LINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVE LINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS |
| V-8<br>350 D-4*<br>C-4<br>PONTIAC                          | (MANUAL)                                     |            |  |            |  |            |  |            |  |            |  |            |
|  | BORG & BECK                                  |            |  |            |  |            |  |            |  |            |  |            |
|  | 4-<br>SPEED 1.61<br>(d)<br>1.00<br>2.33 (R)  |            |  |            |  |            |  |            |  |            |  |            |
| (AUTO)   | THI 400                                      |            |  |            |  |            |  |            |  |            |  |            |
|  | 3-<br>SPEED 2.48<br>1.48<br>1.00<br>2.08 (R) |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.56<br>GRAND PRIX<br>LEMANS (F)             |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.41<br>GRAND PRIX<br>LEMANS (F)             |            |  |            |  |            |  |            |  |            |  |            |
| (AUTO)   | DISCONTINUED                                 |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.56<br>PONTIAC (F)                          |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.41<br>(c)                                  |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.73<br>PONTIAC (G)                          |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.73<br>(G)<br>2.56<br>(C)                   |            |  |            |  |            |  |            |  |            |  |            |
| (AUTO)   | THI 425                                      |            |  |            |  |            |  |            |  |            |  |            |
|  | 3-<br>SPEED 2.48<br>1.48<br>1.00<br>2.08 (R) |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.73<br>TORONADO                             |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.73<br>TORONADO                             |            |  |            |  |            |  |            |  |            |  |            |
| (AUTO)   | THI 400                                      |            |  |            |  |            |  |            |  |            |  |            |
|  | 3-<br>SPEED 2.48<br>1.48<br>1.00<br>2.08 (R) |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.56<br>DELTA 88 (F)<br>OLDS 98<br>CUTLASS   |            |  |            |  |            |  |            |  |            |  |            |
|  | 2.73<br>DELTA 88 (G)<br>2.73<br>(G)          |            |  |            |  |            |  |            |  |            |  |            |

\*SHIPPED IN 1977

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

REVISED - 8/1/78 AG-CFF

PAGE 34

| GENERAL MOTORS<br>ENGINE<br>TYPE AND SIZE<br>(CLASS - TYPE) | MODEL YEAR      |                                 |  |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
|---|-----------------|---------------------------------|--|-----------------|------|---------------|-----------------|------|---------------|-----------------|------|---------------|-----------------|------|---------------|-----------------|------|---------------|--|--|
|   | 1975            |                                 |  | 1976            |      |               | 1977            |      |               | 1978            |      |               | 1979            |      |               | 1980            |      |               |  |  |
|   | DRIVE-<br>SHAFT | AXLE                            | CAR<br>MODELS  | DRIVE-<br>SHAFT | AXLE | CAR<br>MODELS | DRIVE-<br>SHAFT | AXLE | CAR<br>MODELS | DRIVE-<br>SHAFT | AXLE | CAR<br>MODELS | DRIVE-<br>SHAFT | AXLE | CAR<br>MODELS | DRIVE-<br>SHAFT | AXLE | CAR<br>MODELS |  |  |
| V-8*<br>300CID-4V<br>(8.2L)<br>CADILLAC                     |                 |                                 |  |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
|   | 3-<br>SPEED     | 2.48<br>1.48<br>1.00<br>2.09(R) | 2.73<br>ELDORADO                                     |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
| (AUTO)  |                 |                                 |  |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
| V-8*<br>300CID-4V (8.2L)<br>CADILLAC                        |                 |                                 |  |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
|   | 3-<br>SPEED     | 2.48<br>1.48<br>1.00<br>2.09(R) | 3.15<br>CADY LIMO &<br>AMBULANCE<br>2.73<br>CADILLAC |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
| (AUTO)  |                 |                                 |  |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
| V-8*<br>300CID-4V (8.2L)<br>CADILLAC                        |                 |                                 |  |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
|   | 3-<br>SPEED     | 2.48<br>1.48<br>1.00<br>2.09(R) | 2.73<br>ELDORADO                                     |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |
| (AUTO)  |                 |                                 |  |                 |      |               |                 |      |               |                 |      |               |                 |      |               |                 |      |               |  |  |

\*ADAPTED TO 1977  
MAY 15, 1976

FIGURE A-1. GENERAL MOTORS ENGINE-TRANSMISSION-REAR  
AXLE PRODUCT SCHEDULE, 1975-80 (CONCLUDED)



APPENDIX B  
FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE

TABLE B-1. NOTES FOR FORD ENGINE-TRANSMISSION-REAR AXLE  
PRODUCT SCHEDULE

- (a) Not available in California
- (b) Not available, high altitude
- (c) California only
- (d) High altitude only
- (e) Standard in California
- (f) Variable venturi, California & high altitude only
- (g) Optional in California
- (h) Standard with station wagon
- (i) Federal only
- (W) Windsor engine
- (M) Modified Cleveland, destroked 400 CID engine
- (R) Reverse
  
- (1) The optional ratio may be used in lieu of the standard ratio where A/C is included.
- (2) FMX vs C-4 not clear that these transmissions are available for both 302 & 351 engines.  
(Interchangeable)
- (\*) Economy speed combination

| FORD                      | ENGINE TYPE AND SIZE (TRANS. TYPE) | MODEL YEAR      |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|---------------------------|------------------------------------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|-----------------|------|
|                           |                                    | 1975            |      | 1976            |      | 1977            |      | 1978            |      | 1979            |      | 1980            |      |
|                           |                                    | DRIVE-<br>SHAFT | AXLE | DRIVE-<br>SHAFT | AXLE | DRIVE-<br>SHAFT | AXLE | DRIVE-<br>SHAFT | AXLE | DRIVE-<br>SHAFT | AXLE | DRIVE-<br>SHAFT | AXLE |
| 11-4<br>98CID-2V<br>1-62  | (MANUAL)                           |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|                           |                                    |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
| 11-4<br>140CID-2V<br>2-11 | (MANUAL)                           |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|                           |                                    |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|                           | (MANUAL)                           |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |
|                           |                                    |                 |      |                 |      |                 |      |                 |      |                 |      |                 |      |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80



| FORD<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | PAGE 2   |  |  |  |  |  | REVISED: 8/1/78 AG-GTP                       |                                  |  |  |                       |               |
|--|--|--|--|--|--|--|--|----------------------------------|--|--|-----------------------|---------------|
|  | 1975   |  | 1976   |  | 1977   |  | 1978   |                                  | 1979   |  | 1980                  |               |
|  | DRIVE-<br>LINE RATIOS                                | CAR<br>MODELS                                    | DRIVE-<br>LINE RATIOS                                | CAR<br>MODELS  | DRIVE-<br>LINE RATIOS                                | CAR<br>MODELS  | DRIVE-<br>LINE RATIOS                        | CAR<br>MODELS                    | DRIVE-<br>LINE RATIOS                        | CAR<br>MODELS  | DRIVE-<br>LINE RATIOS | CAR<br>MODELS |
| (CONT)   |  |  |  |  |  |  |  |                                  |  |  |                       |               |
| 1L-6<br>140CID-2V<br>2.3L                        | 4-<br>SPEED 3.65<br>1.97<br>1.77<br>1.00<br>(R) 3.66 | PINTO<br>BOBCAT<br>3.40<br>CAPRI II<br>3.44      | 4-<br>SPEED 3.65<br>1.97<br>1.37<br>1.00<br>(R) 3.66 | PINTO<br>BOBCAT<br>(OPT) SEDANS<br>3.1B<br>3.44<br>3.1DD<br>(E,N,C)* | 4-<br>SPEED 3.65<br>1.97<br>1.37<br>1.00<br>(R) 3.66 | PINTO<br>BOBCAT<br>(OPT) SEDANS<br>3.1B<br>3.44<br>3.1DD<br>(E,N,C)* | (DISCONTINUED)                               |                                  |  |  |                       |               |
| (MANUAL)   |  |  |  |  |  |  |  |                                  |  |  |                       |               |
|  | 4-<br>SPEED 3.36<br>1.91<br>1.76<br>1.00<br>(R) 3.37 | PINTO<br>BOBCAT<br>3.40<br>3.35<br>RACON         | (DISCONTINUED)                                       |  |  |  |  |                                  |  |  |                       |               |
| (AUTOMATIC)                                      |  |  |  |  |  |  |  |                                  |  |  |                       |               |
|  | 3-<br>SPEED 2.47<br>1.47<br>1.00<br>(R) 2.11         | MUSTANG<br>II<br>3.55<br>PINTO<br>BOBCAT<br>3.40 | 3-<br>SPEED 2.47<br>1.47<br>1.00<br>(R) 2.11         | MUSTANG<br>II<br>OPT: 3.1B<br>3.4D<br>(e)(1)                         | 3-<br>SPEED 2.47<br>1.47<br>1.00<br>(R) 2.11         | MUSTANG<br>II<br>PINTO<br>BOBCAT                                     | 3-<br>SPEED 2.47<br>1.47<br>1.00<br>(R) 2.11 | MUSTANG<br>II<br>PINTO<br>BOBCAT | 3-<br>SPEED 2.47<br>1.47<br>1.00<br>(R) 2.11 | MUSTANG II<br>PINTO<br>BOBCAT<br>3.0B<br>3.0B<br>(4) |                       |               |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80, (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975  |                                     | 1976  |                               | 1977  |   | 1978              |                        | 1979              |                        | 1980              |                        |
|------------------------------------|---|-------------------------------------|---|-------------------------------|---|---|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|                                    | DRIVE SHAFT RATIO                                 | DRIVE SHAFT AXLE RATIO              | DRIVE SHAFT RATIO   | DRIVE SHAFT AXLE RATIO        | DRIVE SHAFT RATIO   | DRIVE SHAFT AXLE RATIO  | DRIVE SHAFT RATIO | DRIVE SHAFT AXLE RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT AXLE RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT AXLE RATIO |
| (CONV) 170, SCID-2V (AUTOMATIC)    | SPEED 2.46<br>1.46<br>1.00<br>(R) 2.20            | 3.55<br>MUSTANG II<br>PINTO<br>3.40 | CRUISE-O-MATIC (C-4)<br>SPEED 0.46<br>3.18<br>3.40<br>(OPT)<br>(R) 2.20   | PINTO<br>BORCAT               | 3.18<br>(d)<br>PINTO<br>MUSTANG II                            | 3- SPEED 2.46<br>4- SPEED 3.18<br>(R) 2.19                                  |                   |                        |                   |                        |                   |                        |
|                                    | (MAN) 176, 169P<br>177, SCID-2V (MANUAL)          |                                     | SINGLE DISC CLUTCH<br>WIDE RATIO<br>SPEED 4.07<br>(a) 2.57<br>1.66<br>1.00<br>(R) 2.95  | MUSTANG II                    | 2.79<br>MUSTANG II  | 4- SPEED 4.07<br>2.57<br>1.66<br>1.00<br>(R) 3.95<br>(DISCONTINUED)         |                   |                        |                   |                        |                   |                        |
| (MAN) 170, SCID-2V (AUTOMATIC)     | 4- SPEED 3.50<br>2.21<br>1.43<br>1.00<br>(R) 3.38 | 3.55<br>MUSTANG II                  | STD<br>4- SPEED 3.00<br>OPT: II 2.21<br>1.43<br>(e)<br>1.00<br>(R) 3.38<br>LOCK:<br>(R) 3.38                                      | MUSTANG II                    | 3.00<br>MUSTANG II  | 3.00<br>MUSTANG II  |                   |                        |                   |                        |                   |                        |
| (AUTOMATIC)                        |   |                                     | 3- SPEED 3.00<br>1.47<br>1.00<br>(R) 2.11<br>(c)  | PINTO<br>BORCAT               | 3.00<br>MUSTANG II (a) (b)<br>PINTO (a) (b)<br>BORCAT (a) (b) | 3.00<br>MUSTANG II (a) (b)<br>PINTO (a) (b)<br>BORCAT (a) (b)               |                   |                        |                   |                        |                   |                        |
| (AUTOMATIC)                        | 3- SPEED 2.46<br>1.46<br>1.00<br>(R) 2.20         | 3.40<br>PINTO                       | C-4<br>SPEED 2.46<br>3.40<br>II 1.46<br>1.00<br>(OPT) PINTO<br>(R) 2.20<br>3.40<br>MUSTANG II (a) (b)<br>1.46<br>1.00<br>(R) 2.19 | MUSTANG II<br>PINTO<br>BORCAT | 3.40<br>MUSTANG II (c)<br>PINTO (c)<br>BORCAT (c)             | 3- SPEED 2.46<br>4- SPEED 3.40<br>MUSTANG II (c)<br>PINTO (c)<br>BORCAT (c) |                   |                        |                   |                        |                   |                        |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

PAGE 4

MODEL YEAR

| FORD ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975                     |            | 1976                     |            | 1977                     |            | 1978                     |            | 1979                     |            | 1980                     |            |
|---|--------------------------|------------|--------------------------|------------|--------------------------|------------|--------------------------|------------|--------------------------|------------|--------------------------|------------|
|   | DRIVELINE RATIOS         | CAR MODELS | DRIVELINE RATIOS         | CAR MODELS | DRIVELINE RATIOS         | CAR MODELS | DRIVELINE RATIOS         | CAR MODELS | DRIVELINE RATIOS         | CAR MODELS | DRIVELINE RATIOS         | CAR MODELS |
| (AUTO)                                  | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            |
| (AUTOMATIC)                             | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            |
| 1L-6 (MANUAL)                           | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            |
| (MANUAL)                                | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            |
| (MANUAL)                                | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            |
| (AUTOMATIC)                             | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>2.99/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            | DRIVE/TRANS<br>3.00/1.75 |            |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| FORD<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. SIZE) | MODEL YEAR           |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |  |
|--|----------------------|--------------|------|----------------------|--------------|------|----------------------|--------------|------|----------------------|--------------|------|----------------------|--------------|------|----------------------|--------------|------|--|
|  | 1975                 |              |      | 1976                 |              |      | 1977                 |              |      | 1978                 |              |      | 1979                 |              |      | 1980                 |              |      |  |
|  | DRIVE-<br>LINE RATIO | TRANSMISSION | AXLE | DRIVE-<br>LINE RATIO | TRANSMISSION | AXLE | DRIVE-<br>LINE RATIO | TRANSMISSION | AXLE | DRIVE-<br>LINE RATIO | TRANSMISSION | AXLE | DRIVE-<br>LINE RATIO | TRANSMISSION | AXLE | DRIVE-<br>LINE RATIO | TRANSMISSION | AXLE |  |
| (CONT)   |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |  |
| IL-6<br>200CID-1V<br>(AUTOMATIC)                 |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |  |
| IL-6<br>250CID-1V<br>(MANUAL)                    |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |  |
| (MANUAL)   |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |  |
| (AUTOMATIC)                                      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |                      |              |      |  |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| FORD<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975                                  |                     | 1976   |  | 1977  |      | 1978                                  |      | 1979                                  |      | 1980                                  |      |                                       |      |   |
|--|---------------------------------------|---------------------|--|--|---|------|---------------------------------------|------|---------------------------------------|------|---------------------------------------|------|---------------------------------------|------|---|
|  | DRIVE-<br>LINE RATIOS<br>TRANSMISSION | AXLE                | DRIVE-<br>LINE RATIOS<br>TRANSMISSION                          | AXLE   | DRIVE-<br>LINE RATIOS<br>TRANSMISSION                                   | AXLE | DRIVE-<br>LINE RATIOS<br>TRANSMISSION | AXLE | DRIVE-<br>LINE RATIOS<br>TRANSMISSION | AXLE | DRIVE-<br>LINE RATIOS<br>TRANSMISSION | AXLE | DRIVE-<br>LINE RATIOS<br>TRANSMISSION | AXLE | CAR<br>MODELS                               |
| V-8<br>302CID-2V<br>(MANUAL)                     | 3-<br>SPEED<br>2.99<br>1.75           | 3.00                | SEMI-CENTRIFUGAL<br>SINGLE DISC<br>3-<br>SPEED<br>2.79<br>1.75 | MAVERICK<br>COMET<br>3.00                    | (DISCONTINUED)  |      |                                       |      |                                       |      |                                       |      |                                       |      |   |
|  | 1.00<br>(a)<br>(R)3.17                | 3.00<br>OPT<br>2.75 | 1.00<br>(a)<br>(R)3.17   | GRANADA<br>MONARCH<br>3.07<br>3.00<br>(LOCK) |   |      |                                       |      |                                       |      |                                       |      |                                       |      |   |
|  |                                       |                     |  |  | OVERDRIVE<br>4-<br>SPEED<br>3.00<br>1.84<br>1.00<br>OD 0.81<br>(R) 3.29 |      |                                       |      |                                       |      |                                       |      |                                       |      | GRANADA<br>MONARCH<br>MONARCH<br>MUSTANG II |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



| ENGINE TYPE AND SIZE (TRANS. TYPE)         | MODEL YEAR                           |   |   |   |  |  |  |
|--|--------------------------------------|---|---|---|--|--|--|
|  | 1975                                 | 1976  | 1977  | 1978  | 1979   | 1980   |  |
|  | DRIVE- LINE RATIOS TRANSMISSION AXLE | DRIVE- LINE RATIOS TRANSMISSION AXLE        | DRIVE- LINE RATIOS TRANSMISSION AXLE  | DRIVE- LINE RATIOS TRANSMISSION AXLE  | DRIVE- LINE RATIOS TRANSMISSION AXLE         | DRIVE- LINE RATIOS TRANSMISSION AXLE         |  |
|  | CAR MODELS                           | CAR MODELS                                  | CAR MODELS  | CAR MODELS  | CAR MODELS                                   | CAR MODELS                                   |  |
| V-8 (F) VARIABLE VALVE VEHICLE (AUTOMATIC) |                                      |   | 3- SPEED<br>2.46<br>1.46<br>1.00<br>(R)2.19<br>2.79 (3)<br>2.47 (3)<br>2.50 (3)<br>2.75 (3)<br>2.47 (3)<br>2.50 (3)<br>LOCKING<br>LOCKING | 3- SPEED<br>2.46<br>1.46<br>1.00<br>(R)2.19<br>2.79 (3)<br>2.47 (3)<br>2.50 (3)<br>2.75 (3)<br>2.47 (3)<br>2.50 (3)<br>LOCKING<br>LOCKING | 3- SPEED<br>2.40<br>1.47<br>1.00<br>(R) 2.00 | 3- SPEED<br>2.40<br>1.47<br>1.00<br>(R) 2.00 | 3- SPEED<br>2.46<br>1.46<br>1.00<br>(R) 2.19<br>2.79 (3)<br>2.47 (3)<br>2.50 (3)<br>2.75 (3)<br>2.47 (3)<br>2.50 (3)<br>LOCKING<br>LOCKING |
| V-8 151CID-2V (AUTOMATIC)                  |                                      | 3- SPEED<br>2.40<br>1.47<br>1.00<br>(R)2.00 | 3- SPEED<br>2.40<br>1.47<br>1.00<br>(R)2.00   | 3- SPEED<br>2.40<br>1.47<br>1.00<br>(R) 2.00  | 3- SPEED<br>2.40<br>1.47<br>1.00<br>(R) 2.00 | 3- SPEED<br>2.40<br>1.47<br>1.00<br>(R) 2.00 |  |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975                              |                 | 1976                                       |                 | 1977   |                 | 1978   |                               | 1979                          |                 | 1980                          |                 |
|------------------------------------|-----------------------------------|-----------------|--|-----------------|--|-----------------|--|-------------------------------|-------------------------------|-----------------|-------------------------------|-----------------|
|                                    | DRIVELINE RATIOS TRANSMISSION     | AXLE CAR MODELS | DRIVELINE RATIOS TRANSMISSION              | AXLE CAR MODELS | DRIVELINE RATIOS TRANSMISSION                        | AXLE CAR MODELS | DRIVELINE RATIOS TRANSMISSION                        | AXLE CAR MODELS               | DRIVELINE RATIOS TRANSMISSION | AXLE CAR MODELS | DRIVELINE RATIOS TRANSMISSION | AXLE CAR MODELS |
| V-8 351CID-2V (CONT) (AUTOMATIC)   | 3.07 SPEED 2.46 1.46 1.00 (R)2.20 | GRANADA MONARCH | 3.07 SPEED 2.46 1.46 1.00 (R)2.20          | C-4             | 3.07 SPEED 2.46 1.46 1.00 (R)2.19                    | FORD (H)        | 3.07 SPEED 2.46 1.46 1.00 (R)2.20                    | FORD (H) FORD (H) MERCURY (H) |                               |                 |                               |                 |
|                                    | 3.00 LOCKING                      | ELITE (M/M)     | 2.75 (H) COUGAR (M) 3.25 ELITE (H) LOCKING |                 | 2.47 (H) FORD (H) OPT: 2.75 (H) COUGAR (H) ELITE (H) |                 | 2.47 (H) FORD (H) OPT: 2.75 (H) COUGAR (H) ELITE (H) |                               |                               |                 |                               |                 |
|                                    | 3.00 (4) COUGAR (H) LOCKING       | MONTEGO (H)     | 2.75 GRANADA (V) OPT: MONARCH (H)          |                 | 3.00 (4) POLICE 2.47 GRANADA (H)                     |                 | 3.00 (4) POLICE 2.47 GRANADA (H)                     |                               |                               |                 |                               |                 |
|                                    | 3.00 LOCKING                      | MONTEGO (H)     | 2.75 MONTEGO (M) LOCKING TORINO (M)        |                 | 2.50 (4) LOCKING                                     |                 | 2.50 (4) LOCKING                                     |                               |                               |                 |                               |                 |
|                                    | 3.00 (4) ELITE (M) LOCKING        | ELITE (M)       | 2.75 (H) MONTEGO (H) TORINO (H)            |                 | 2.47 (4) MONARCH (H) 2.50 (4) LOCKING                |                 | 2.47 (4) MONARCH (H) 2.50 (4) LOCKING                |                               |                               |                 |                               |                 |
|                                    | 3.00 (4) ELITE (M) LOCKING        | ELITE (M)       |  |                 | 2.50 (4) VERSAILLES (H)                              |                 | 2.50 (4) VERSAILLES (H)                              |                               |                               |                 |                               |                 |
|                                    | 3.00 ELITE (M/M) LOCKING          | ELITE (M/M)     |  |                 | C-6  |                 |  |                               |                               |                 |                               |                 |
|                                    | 3.00 (4) MONTEGO (H) LOCKING      | MONTEGO (H)     |  |                 | 3.00 (4) COUGAR (H) LTO II (H) OPT: 2.75 TORINO (H)  |                 | 3.00 (4) COUGAR (H) LTO II (H) OPT: 2.75 TORINO (H)  |                               |                               |                 |                               |                 |
|                                    | 3.00 MONTEGO (M) LOCKING          | MONTEGO (M)     |  |                 |  |                 |  |                               |                               |                 |                               |                 |
|                                    | 3.00 (4) TORINO (H) LOCKING       | TORINO (H)      |  |                 |  |                 |  |                               |                               |                 |                               |                 |
|                                    | 3.00 TORINO (H) LOCKING           | TORINO (H)      |  |                 |  |                 |  |                               |                               |                 |                               |                 |
|                                    | 3.00 (4) ELITE (M) LOCKING        | ELITE (M)       |  |                 |  |                 |  |                               |                               |                 |                               |                 |
|                                    | 3.07 FORD (H) LOCKING             | FORD (H)        |  |                 |  |                 |  |                               |                               |                 |                               |                 |

(AUTOMATIC)

(DISCONTINUED)

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



ENGINE  
 1700 AND 1800  
 (1.7L, 1.8L)

3-8  
 4000-2V  
 (AUTOMATIC)

(C.V. 140-141)

| 1975                        |  | 1976                        |  | 1977                        |                                     | 1978                        |  | 1979                        |  | 1980                        |  |
|-----------------------------|--|-----------------------------|--|-----------------------------|-------------------------------------|-----------------------------|--|-----------------------------|--|-----------------------------|--|
| DRIVE/IN RATIO/TRANSMISSION | CAR MODELS                               | DRIVE/IN RATIO/TRANSMISSION | CAR MODELS                             | DRIVE/IN RATIO/TRANSMISSION | CAR MODELS                          | DRIVE/IN RATIO/TRANSMISSION | CAR MODELS   | DRIVE/IN RATIO/TRANSMISSION | CAR MODELS   | DRIVE/IN RATIO/TRANSMISSION | CAR MODELS   |
| 3-<br>SPEED<br>2.46         | 3.00<br>COUGAR                           | 3-<br>SPEED<br>2.46         | C-6<br>2.75<br>COUGAR                  | 3-<br>SPEED<br>2.46         | COUGAR                              | 3-<br>SPEED<br>2.46         | 2.50<br>COUGAR   | 3-<br>SPEED<br>2.46         | 2.50<br>COUGAR   | 3-<br>SPEED<br>2.46         | 2.50<br>COUGAR   |
| 1.46                        | 3.25<br>ELITE<br>MONTIGO<br>TORINO       | 1.46                        | OFFT:<br>3.25<br>FORD                  | 1.46                        | ELITE                               | 1.46                        | 3.00 (R)<br>LTD II   | 1.46                        | 2.75 (R)<br>LTD II   | 1.46                        | 2.75 (R)<br>LTD II   |
| 1.00                        |  | 1.00                        | INCL:<br>(R)2.18<br>MERCURY<br>MONTIGO | 1.00                        | FORD                                | 1.00                        | OFFT:<br>2.75<br>T-BIRD  | (R) 2.18                    | (R) 2.18   | (R) 2.18                    | (R) 2.18   |
| (R)2.18                     |  | (R)2.18                     |  | (R)2.18                     |                                     | (R)2.18                     |  |                             |  |                             |  |
|                             | 3.07<br>OFFT:<br>3.00<br>3.25<br>LOCKING |                             | INCL:<br>MERCURY                       |                             | TORINO<br>FORD<br>POLICE<br>MERCURY |                             | 2.47<br>2.75 (R)<br>OFFT:<br>2.75<br>INCL:<br>LOCKING<br>MERCURY |                             | 2.47<br>2.75 (R)<br>OFFT:<br>2.75<br>INCL:<br>LOCKING<br>MERCURY |                             | 2.47<br>2.75 (R)<br>OFFT:<br>2.75<br>INCL:<br>LOCKING<br>MERCURY |
|                             |  |                             |  |                             |                                     |                             |  |                             |  |                             |  |
| 3-<br>SPEED<br>2.40         | 3.00<br>COUGAR                           | 3-<br>SPEED<br>2.40         | FXK<br>2.75<br>COUGAR                  | 3-<br>SPEED<br>2.40         | COUGAR                              | 3-<br>SPEED<br>2.40         | 2.50 (R)<br>T-BIRD   | 3-<br>SPEED<br>2.40         | 2.50 (R)<br>T-BIRD   | 3-<br>SPEED<br>2.40         | 2.47 (R)<br>FORD   |
| 1.47                        | 3.25<br>LOCKING                          | 1.47                        | OFFT:<br>3.25<br>MERCURY               | 1.47                        | ELITE                               | 1.47                        | OFFT:<br>2.75<br>LOCKING/<br>POLICE                              | 1.47                        | OFFT:<br>2.75<br>LOCKING/<br>POLICE                              | 1.47                        | OFFT:<br>2.75<br>LOCKING/<br>POLICE                              |
| 1.00                        |  | 1.00                        | INCL:<br>(R)2.00<br>MERCURY            | 1.00                        | MERCURY                             | 1.00                        | OFFT:<br>2.75<br>LOCKING/<br>POLICE                              | (R) 2.00                    | (R) 2.00   | (R) 2.00                    | (R) 2.00   |
| (R)2.00                     |  | (R)2.00                     |  | (R)2.00                     |                                     | (R)2.00                     |  |                             |  |                             |  |
|                             | 3.07<br>OFFT:<br>3.00<br>3.25<br>LOCKING |                             | INCL:<br>MERCURY                       |                             | TORINO<br>FORD<br>POLICE<br>MERCURY |                             | 2.47<br>2.75 (R)<br>OFFT:<br>2.75<br>INCL:<br>LOCKING<br>MERCURY |                             | 2.47<br>2.75 (R)<br>OFFT:<br>2.75<br>INCL:<br>LOCKING<br>MERCURY |                             | 2.47<br>2.75 (R)<br>OFFT:<br>2.75<br>INCL:<br>LOCKING<br>MERCURY |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS., TYPE) | 1975                                  |  | 1976                                  |                                       | 1977                                   |                                     | 1978                                  |                 | 1979                                  |            | 1980                                  |            |
|-------------------------------------|---------------------------------------|--|---------------------------------------|---------------------------------------|--|-------------------------------------|---------------------------------------|-----------------|---------------------------------------|------------|---------------------------------------|------------|
|                                     | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS   | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS                            | DRIVELINE RATIOS<br>TRANSMISSION AXLE  | CAR MODELS                          | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS      | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS |
| V-8<br>460CID-4V<br><br>(AUTOMATIC) | 2.75(4)<br>1.46<br>3.00               | COUCAR<br>FORD   | 2.75<br>OPT:<br>3.00                  | COUCAR<br>ELITE<br>LINCOLN<br>MARK IV | 2.75(4)<br>INCL.<br>LOCKING<br>3.00(4) | FORD<br>LOCKING                     | 2.50<br>2.75<br>POLICE<br>3.00        | FORD<br>MERCURY |                                       |            |                                       |            |
|                                     | 1.00<br>(R)2.18                       | ELITE<br>MERCURY<br>MONTGO<br>TORINO<br>LINCOLN<br>MARK IV<br>T-BIRD | 1.00<br>(R)2.18                       | FORD<br>MERCURY<br>MONTGO<br>TORINO   | 1.00<br>(R)2.18                        | FORD<br>MERCURY<br>MONTGO<br>TORINO | 3.00(4)<br>FOR<br>POLICE              | FORD<br>POLICE  | 2.50<br>2.75<br>MARK V                |            |                                       |            |

FIGURE B-1. FORD ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONCLUDED)

APPENDIX C

CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE

TABLE C-1. NOTES FOR CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE

Footnotes:

- |                                    |                                 |
|------------------------------------|---------------------------------|
| (a) Not Available in California    | (g) Optional in California      |
| (b) Not Available in High Altitude | only                            |
| (c) California Only                | (h) Electronic Lean-Burn System |
| (d) High Altitude Only             | (i) Transaxle/Front-Wheel-Drive |
| (e) Standard in California         | (R) Reverse                     |
| (f) Federal Only                   |                                 |

Lock-up Torque Converter Available on Some 1978 Models of:

Aspen, Cordoba, Lebaron, Diplomat, Fury, Monaco, Volare,  
Charger S/E, Magnum XE

Included are: all Federal models except 440 CID V-8,  
all California models except 440 CID V-8 and  
225 CID IL-6,  
no high altitude models.

Ref.: W.E.U. 11/11/77 p. 4.

1976 Models Available with Lean-Burn Engines:

Chrysler 400 CID-4V, Monaco, Gran Fury

1977 Models Available/Equipped with Lean-Burn Engines:

Chrysler: 400 CID-4V, 440 CID-4V  
Royal Monaco: 400 CID-4V, 440 CID-4V  
Gran Fury: 400 CID-4V, 440 CID-4V  
Cordoba: 400 CID-4V  
Charger S/E 400 CID-4V  
Monaco: 318 CID-2V, 400 CID-4V  
Fury: 318 CID-4V, 400 CID-4V  
Volare: 360-4V  
Diplomat/LeBaron: 318-2V

1978 Models Available/Equipped with Lean-Burn Engines:

Volare/Aspen - all except 225 CID  
Lebaron - all except 225 CID and 360-4V  
Diplomat - all except 225 CID and 360-4V  
Fury - all except 225 CID and 360-4V  
Monaco - all except 225 CID and 360-4V  
Charger S/E - all except 360 CID-4V  
Chrysler - all except 360 CID-4V  
Cordoba - all except 360 CID-4V  
Magnum XE - all except 360 CID-4V

CHRYSLER

| ENGINE TYPE AND SIZE (TRANS. TYPE)         | 1975             |      | 1976             |      | 1977             |      | 1978             |      | 1979             |      | 1980             |      |
|--|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|
|  | DRIVELINE RATIOS |      | DRIVELINE RATIOS |      | DRIVELINE RATIOS |      | DRIVELINE RATIOS |      | DRIVELINE RATIOS |      | DRIVELINE RATIOS |      |
|  | TRANSMISSION     | AXLE | TRANSMISSION     | AXLE | TRANSMISSION     | AXLE | TRANSMISSION     | AXLE | TRANSMISSION     | AXLE | TRANSMISSION     | AXLE |
| 31-4<br>97.5C10-1V<br>(1.597L)<br>(MANUAL) | 4-               |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
| 31-4<br>97.5C10-1V<br>(1.597L)<br>(AUTO)   | 3-               |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
| 31-4<br>97.5C10-2V<br>(1.597L)<br>(MANUAL) | 4-               |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |
|  |                  |      |                  |      |                  |      |                  |      |                  |      |                  |      |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975  |               | 1976        |               | 1977   |                                  | 1978   |                | 1979                              |            | 1980        |            |
|------------------------------------|---|---------------|-------------|---------------|--|----------------------------------|--|----------------|-----------------------------------|------------|-------------|------------|
|                                    | DRIVE/TRANS   | CAR MODELS    | DRIVE/TRANS | CAR MODELS    | DRIVE/TRANS  | CAR MODELS                       | DRIVE/TRANS  | CAR MODELS     | DRIVE/TRANS                       | CAR MODELS | DRIVE/TRANS | CAR MODELS |
| 97.5 (CONT)                        | 5-<br>SPEED<br>3.215<br>2.000<br>1.316<br>1.000<br>0.853<br>(R) 3.667 | COLT<br>ARROW | 4.222       | COLT<br>ARROW | 3.215<br>2.000<br>1.316<br>1.000<br>0.853<br>(R) 3.667 | (4)<br>3.889 COLT<br>4.222 ARROW | 3.215<br>2.000<br>1.316<br>1.000<br>0.853<br>(R) 3.667 | 4.222          | ARROW<br>CHALLENGER               |            |             |            |
| (AUTO)                             | 3-<br>SPEED<br>2.452<br>1.452<br>1.000<br>(R) 2.214                   | COLT<br>ARROW | 3.889       | COLT<br>ARROW | 2.452<br>1.452<br>1.000<br>(R) 2.214                   | (4)<br>3.545 COLT<br>3.909 ARROW | 2.452<br>1.452<br>1.000<br>(R) 2.214                   | 3.545<br>3.909 | ARROW<br>CHALLENGER<br>COLT HAVON |            |             |            |
| 104.7CID-2V (1.7L) (MANUAL)        |   |               |             |               |  |                                  |  |                |                                   |            |             |            |
| (AUTO)                             |   |               |             |               |  |                                  |  |                |                                   |            |             |            |
| 114.4 CID-1V (1.9L) (MANUAL)       |   |               |             |               |  |                                  |  |                |                                   |            |             |            |
| (AUTO)                             |   |               |             |               |  |                                  |  |                |                                   |            |             |            |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE)         | 1975              |  |                                   | 1976              |  |                                   | 1977              |   |                                   | 1978              |  |              | 1979              |              |            | 1980              |      |            |
|--|-------------------|--|-----------------------------------|-------------------|--|-----------------------------------|-------------------|---|-----------------------------------|-------------------|--|--------------|-------------------|--------------|------------|-------------------|------|------------|
|  | DRIVE/LINE RATIOS |  | CAR MODELS                        | DRIVE/LINE RATIOS |  | CAR MODELS                        | DRIVE/LINE RATIOS |   | CAR MODELS                        | DRIVE/LINE RATIOS |  | CAR MODELS   | DRIVE/LINE RATIOS |              | CAR MODELS | DRIVE/LINE RATIOS |      | CAR MODELS |
|  | TRANSMISSION      | AXLE   | AXLE                              | TRANSMISSION      | AXLE   | TRANSMISSION                      | AXLE              | TRANSMISSION  | AXLE                              | TRANSMISSION      | AXLE   | TRANSMISSION | AXLE              | TRANSMISSION | AXLE       | TRANSMISSION      | AXLE |            |
| T-4<br>121-7CID-2V<br>(1.926L)<br>(MANUAL) | 5-                | SPEED 3.360<br>2.035<br>1.360<br>1.000<br>0.856<br>(R) 3.635 | 3.889 COLT<br>3.889 COLT<br>ARRON | 5-                | SPEED 3.369<br>2.035<br>1.360<br>1.000<br>0.856<br>(R) 3.635 | 3.889 COLT<br>3.889 COLT<br>ARRON | 5-                | DAIKIN MFG. CO.<br>SPEED 3.369<br>2.035<br>1.360<br>1.000<br>0.856<br>(R) 3.635 | 3.889 COLT<br>3.889 COLT<br>ARRON | 5-                | SPEED 3.369<br>2.035<br>1.360<br>1.000<br>0.856<br>(R) 3.635 | 3.909 ARRON  |                   |              |            |                   |      |            |
|  | 3-                | SPEED 2.452<br>1.532<br>1.000<br>(R) 2.214                   | 3.545 COLT<br>ARRON               | 3-                | SPEED 2.452<br>1.452<br>1.000<br>(R) 2.214                   | 3.545 COLT<br>ARRON               | 3-                | (a)<br>SPEED 2.452<br>1.532<br>1.000<br>(R) 2.214                               | 3.545 COLT<br>3.889 ARRON         | 3-                | SPEED 2.452<br>1.452<br>1.000<br>(R) 2.214                   | 3.545 ARRON  |                   |              |            |                   |      |            |
| T-4<br>155-9CID-1V<br>(2.553L)<br>(MANUAL) |                   |  |                                   |                   |  |                                   |                   |   |                                   |                   |  |              |                   |              |            |                   |      |            |
|  |                   |  |                                   |                   |  |                                   |                   |   |                                   |                   |  |              |                   |              |            |                   |      |            |
| (AUTO)                                     |                   |  |                                   |                   |  |                                   |                   |   |                                   |                   |  |              |                   |              |            |                   |      |            |
|  |                   |  |                                   |                   |  |                                   |                   |   |                                   |                   |  |              |                   |              |            |                   |      |            |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE)          | MODEL YEAR      |              |      |  |              |      |                                    |              |      |   |              |      |                                     |              |      |                 |              |      |  |  |  |
|---|-----------------|--------------|------|--|--------------|------|------------------------------------|--------------|------|---|--------------|------|-------------------------------------|--------------|------|-----------------|--------------|------|--|--|--|
|   | 1975            |              |      | 1976   |              |      | 1977                               |              |      | 1978  |              |      | 1979                                |              |      | 1980            |              |      |  |  |  |
|   | DRIVE-<br>SHAFT | TRANSMISSION | AXLE | DRIVE-<br>SHAFT  | TRANSMISSION | AXLE | DRIVE-<br>SHAFT                    | TRANSMISSION | AXLE | DRIVE-<br>SHAFT   | TRANSMISSION | AXLE | DRIVE-<br>SHAFT                     | TRANSMISSION | AXLE | DRIVE-<br>SHAFT | TRANSMISSION | AXLE |  |  |  |
| TI-4<br>155-9CID-2V<br>(2-55SD)<br>(MANUAL) |                 |              |      |  |              |      |                                    |              |      | DAIKIN NEG. CO.<br>5-<br>SPEED 3.369 3.308<br>2.035<br>1.360<br>1.000<br>0.856<br>(R) 3.836 |              |      | SAFFORD<br>CHALLENGER<br>COLT WAGON |              |      |                 |              |      |  |  |  |
|   |                 |              |      |  |              |      |                                    |              |      | A-300L<br>3-<br>SPEED 2.452 3.308<br>1.452<br>1.000<br>(R) 2.214                            |              |      | SAFFORD<br>CHALLENGER<br>COLT WAGON |              |      |                 |              |      |  |  |  |
| TI-6<br>225CID-1V<br>(MANUAL)               |                 |              |      | A-390<br>3-<br>SPEED 3.08 3.23<br>1.70 2.94<br>1.00 3.21<br>(R) 2.90     |              |      | ASPEN<br>VOLARE<br>CHARGER<br>FURY |              |      | 3-<br>SPEED 3.08 3.23<br>1.70 2.94<br>1.00 3.21<br>(R) 2.90                                 |              |      | ASPEN<br>VOLARE<br>(f)              |              |      |                 |              |      |  |  |  |
|   |                 |              |      | 1-<br>SPEED 2.99 3.23<br>1.75 2.94<br>1.00 3.21<br>(R) 3.17 3.23         |              |      | DART<br>VALIANT                    |              |      | 1-<br>SPEED 2.99 3.23<br>1.75 2.94<br>1.00 3.21<br>(R) 3.17                                 |              |      |                                     |              |      |                 |              |      |  |  |  |
|   |                 |              |      | 4-<br>SPEED 3.09 3.23<br>1.67 2.94<br>1.00 3.21<br>0.73 3.17<br>(R) 3.09 |              |      | ASPEN<br>VOLARE                    |              |      | 4-<br>SPEED 3.09 3.23<br>1.67 2.94<br>1.00 3.21<br>0.73 3.17<br>(R) 3.09                    |              |      | DART<br>VALIANT                     |              |      |                 |              |      |  |  |  |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975   |            | 1976   |            | 1977   |  | 1978   |   | 1979             |            | 1980             |            |
|------------------------------------|--|------------|--|------------|--|--|--|---|------------------|------------|------------------|------------|
|                                    | DRIVE LINE RATIO                             | CAR MODELS | DRIVE LINE RATIO                             | CAR MODELS | DRIVE LINE RATIO   | CAR MODELS                                     | DRIVE LINE RATIO   | CAR MODELS  | DRIVE LINE RATIO | CAR MODELS | DRIVE LINE RATIO | CAR MODELS |
| 225 (CONT) (MANUAL)                | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.20 |            | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22 |            | 4-<br>SPEED 3.09<br>3.23 ASPEN<br>3.21<br>1.67<br>1.00<br>0.71<br>(R) 3.00 | A-390<br>3.23 ASPEN<br>3.21<br>2.94 VOLARE (c) | 4-<br>SPEED 3.09<br>3.23 ASPEN<br>3.21<br>1.67<br>1.00<br>0.71<br>(R) 3.00   | 3.23 ASPEN (b)<br>3.21 VOLARE (b)   |                  |            |                  |            |
| (AUTO)                             | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.20 |            | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22 | A-904      | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22                               | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22   | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22                                 | 2.71 ASPEN (b)<br>2.76 VOLARE (c, d)<br>3.21 ASPEN (c, d)<br>3.23<br>LEBARON (c, d)<br>DPLORON (c, d) |                  |            |                  |            |
|                                    | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.20 |            | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22 |            | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22                               | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22   | 2.76 ASPEN (c)<br>2.94 VALIANT (c)<br>3.21 VALIANT (c)<br>3.23<br>VOLARE (c) | 2.76 ASPEN (c)<br>2.94 VALIANT (c)<br>3.21 VALIANT (c)<br>3.23  |                  |            |                  |            |
|                                    | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.20 |            | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22 |            | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22                               | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22   | 2.76 ASPEN (c)<br>2.94 VALIANT (c)<br>3.21 VALIANT (c)<br>3.23<br>VOLARE (c) | 2.76 ASPEN (c)<br>2.94 VALIANT (c)<br>3.21 VALIANT (c)<br>3.23  |                  |            |                  |            |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)



| CHRYSLER<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975              |          |              |          | 1976              |          |              |          | 1977              |          |              |          | 1978              |          |              |          | 1979              |          |              |          | 1980              |          |              |          |       |
|--|-------------------|----------|--------------|----------|-------------------|----------|--------------|----------|-------------------|----------|--------------|----------|-------------------|----------|--------------|----------|-------------------|----------|--------------|----------|-------------------|----------|--------------|----------|-------|
|  | DRIVE LINE RATIOS |          | CAR MODELS   |          | DRIVE LINE RATIOS |          | CAR MODELS   |          | DRIVE LINE RATIOS |          | CAR MODELS   |          | DRIVE LINE RATIOS |          | CAR MODELS   |          | DRIVE LINE RATIOS |          | CAR MODELS   |          | DRIVE LINE RATIOS |          | CAR MODELS   |          |       |
|  | TRANSMISSION      | AXLE     | TRANSMISSION | AXLE     | TRANSMISSION      | AXLE     | TRANSMISSION | AXLE     | TRANSMISSION      | AXLE     | TRANSMISSION | AXLE     | TRANSMISSION      | AXLE     | TRANSMISSION | AXLE     | TRANSMISSION      | AXLE     | TRANSMISSION | AXLE     | TRANSMISSION      | AXLE     | TRANSMISSION | AXLE     |       |
| I-6<br>225CID-2V                                     | (MANUAL)          |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |       |
|  | SPEED             |          | A-390        |          | SPEED             |          | A-390        |          | SPEED             |          | A-390        |          | SPEED             |          | A-390        |          | SPEED             |          | A-390        |          | SPEED             |          | A-390        |          | SPEED |
| I-6<br>225CID-2V                                     | (AUTO)            |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |       |
|  | SPEED             |          | A-904        |          | SPEED             |          | A-904        |          | SPEED             |          | A-904        |          | SPEED             |          | A-904        |          | SPEED             |          | A-904        |          | SPEED             |          | A-904        |          | SPEED |
| V-8<br>318CID-2V                                     | (MANUAL)          |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |                   |          |              |          |       |
|  | SPEED             |          | A-308        |          | SPEED             |          | A-308        |          | SPEED             |          | A-308        |          | SPEED             |          | A-308        |          | SPEED             |          | A-308        |          | SPEED             |          | A-308        |          | SPEED |
| CORONET  |                   | CORONET  |              | CORONET  |                   | CORONET  |              | CORONET  |                   | CORONET  |              | CORONET  |                   | CORONET  |              | CORONET  |                   | CORONET  |              | CORONET  |                   | CORONET  |              | CORONET  |       |
| FURY   |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |       |
| DART   |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |       |
| VALIANT  |                   | VALIANT  |              | VALIANT  |                   | VALIANT  |              | VALIANT  |                   | VALIANT  |              | VALIANT  |                   | VALIANT  |              | VALIANT  |                   | VALIANT  |              | VALIANT  |                   | VALIANT  |              | VALIANT  |       |
| CHARGER  |                   | CHARGER  |              | CHARGER  |                   | CHARGER  |              | CHARGER  |                   | CHARGER  |              | CHARGER  |                   | CHARGER  |              | CHARGER  |                   | CHARGER  |              | CHARGER  |                   | CHARGER  |              | CHARGER  |       |
| FURY   |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |                   | FURY     |              | FURY     |       |
| DART   |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |                   | DART     |              | DART     |       |
| MONACO   |                   | MONACO   |              | MONACO   |                   | MONACO   |              | MONACO   |                   | MONACO   |              | MONACO   |                   | MONACO   |              | MONACO   |                   | MONACO   |              | MONACO   |                   | MONACO   |              | MONACO   |       |
| VOLARE   |                   | VOLARE   |              | VOLARE   |                   | VOLARE   |              | VOLARE   |                   | VOLARE   |              | VOLARE   |                   | VOLARE   |              | VOLARE   |                   | VOLARE   |              | VOLARE   |                   | VOLARE   |              | VOLARE   |       |
| ASPEN  |                   | ASPEN    |              | ASPEN    |                   | ASPEN    |              | ASPEN    |                   | ASPEN    |              | ASPEN    |                   | ASPEN    |              | ASPEN    |                   | ASPEN    |              | ASPEN    |                   | ASPEN    |              | ASPEN    |       |
| LEBRON   |                   | LEBRON   |              | LEBRON   |                   | LEBRON   |              | LEBRON   |                   | LEBRON   |              | LEBRON   |                   | LEBRON   |              | LEBRON   |                   | LEBRON   |              | LEBRON   |                   | LEBRON   |              | LEBRON   |       |
| DIPLOMAT   |                   | DIPLOMAT |              | DIPLOMAT |                   | DIPLOMAT |              | DIPLOMAT |                   | DIPLOMAT |              | DIPLOMAT |                   | DIPLOMAT |              | DIPLOMAT |                   | DIPLOMAT |              | DIPLOMAT |                   | DIPLOMAT |              | DIPLOMAT |       |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| CHRYSLER<br>ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975                 |  | 1976                 |                      | 1977                                     |   | 1978                               |                      | 1979                                     |                      | 1980                 |  |  |
|--|----------------------|--|----------------------|----------------------|--|---|------------------------------------|----------------------|--|----------------------|----------------------|--|--|
|  | DRIVELINE RATIOS     | CAR MODELS                                       | DRIVELINE RATIOS     | CAR MODELS           | DRIVELINE RATIOS                         | CAR MODELS  | DRIVELINE RATIOS                   | CAR MODELS           | DRIVELINE RATIOS                         | CAR MODELS           | DRIVELINE RATIOS     | CAR MODELS                               |  |
|  | TRANSMISSION<br>AXLE | TRANSMISSION<br>AXLE                             | TRANSMISSION<br>AXLE | TRANSMISSION<br>AXLE | TRANSMISSION<br>AXLE                     | TRANSMISSION<br>AXLE                                    | TRANSMISSION<br>AXLE               | TRANSMISSION<br>AXLE | TRANSMISSION<br>AXLE                     | TRANSMISSION<br>AXLE | TRANSMISSION<br>AXLE | TRANSMISSION<br>AXLE                     |  |
| (MANT. TYPE)   | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
|  | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
|  | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
|  | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
|  | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
| (AUTO)   | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
|  | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
|  | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |
|  | 4-<br>SPEED          | 2-45<br>3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | DART<br>VALTANT      | 2-94<br>3-21         | 3-09<br>1-92<br>1-40<br>1-60<br>(R) 3-00 | 4-<br>SPEED<br>3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE<br>DART<br>VALTANT | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>VOLARE      | 2-94<br>3-21         | 3-09<br>1-67<br>1-00<br>0-71<br>(R) 3-00 | ASPEN<br>LEBARON<br>DIPLOMAT<br>VOLARE |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975  |                   | 1976              |                   | 1977              |                   | 1978              |                   | 1979              |                   | 1980              |                   |      |             |
|------------------------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|-------------|
|                                    | DRIVE SHAFT RATIO                             | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO | DRIVE SHAFT RATIO |      |             |
| 318 (CONT)<br>(AUTO)               | J- SPEED 2.45 (h)<br>1.45<br>1.00<br>(R) 2.22 | A-904-LA          | 2.71              | CORDOBA           | 2.71              | CORDOBA           | 2.71              | CORDOBA           | 2.71              | CORDOBA S/E       | 2.71              | CORDOBA S/E       |      |             |
|                                    |   |                   | 2.45              | ASPER             | 2.94              | ASPER             | 2.94              | ASPER             | 2.94              | ASPER             | 2.45              | CORDOBA           | 2.45 | CORDOBA     |
|                                    |   |                   | 1.00              | CHARGER S/E       | 1.00              | CHARGER S/E       | 1.00              | CHARGER S/E       | 1.00              | CHARGER S/E       | 1.00              | FURY              | 1.00 | FURY        |
|                                    |   |                   | 2.94              | CHARGER (a)       | 2.94              | CHARGER (a)       | 2.94              | CHARGER (a)       | 2.94              | CHARGER (a)       | 2.94              | MONACO            | 2.94 | MONACO      |
|                                    |   |                   | 3.21              | CORONET (a)       | 3.21              | CORONET (a)       | 3.21              | CORONET (a)       | 3.21              | CORONET (a)       | 3.21              | MONACO            | 3.21 | MONACO      |
|                                    |   |                   | 1.00              | FURY              | 1.00              | FURY              | 1.00              | FURY              | 1.00              | FURY              | 1.00              | VOLARE            | 1.00 | VOLARE      |
|                                    |   |                   | 2.22              | VOLARE (f)        | 2.22              | VOLARE (f)        | 2.22              | VOLARE (f)        | 2.22              | VOLARE (f)        | 2.22              | MONACO            | 2.22 | MONACO      |
|                                    |   |                   | 2.71              | CORONET (c)       | 2.71              | CORONET (c)       | 2.71              | CORONET (c)       | 2.71              | CORONET (c)       | 2.71              | LEBARON           | 2.71 | LEBARON     |
|                                    |   |                   | 2.94              | CHARGER (c)       | 2.94              | CHARGER (c)       | 2.94              | CHARGER (c)       | 2.94              | CHARGER (c)       | 2.94              | VOLARE (g)        | 2.94 | VOLARE (g)  |
|                                    |   |                   | 3.21              | FURY (c)          | 3.21              | FURY (c)          | 3.21              | FURY (c)          | 3.21              | FURY (c)          | 3.21              | CHARGER (g)       | 3.21 | CHARGER (g) |
| (AUTO)                             | J- SPEED 2.45 (h)<br>1.45<br>1.00<br>(R) 2.22 | A-998             | 2.76              | DART              | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.45              | VALIANT           | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 1.00              | VALIANT           | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.45              | VALIANT           | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.71              | VALIANT           | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.76              | DART              | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.45              | VALIANT           | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 1.00              | VALIANT           | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.22              | VALIANT           | 2.22              | ROYAL/MONACO      | 2.22              | ROYAL/MONACO      | 2.22              | ROYAL/MONACO      | 2.22              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.71              | VALIANT           | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      |      |             |
| (AUTO)                             | J- SPEED 2.45 (h)<br>1.45<br>1.00<br>(R) 2.22 | A-727             | 2.71              | MONACO (f)        | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.45              | MONACO (f)        | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      | 2.45              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 1.00              | MONACO (f)        | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.94              | MONACO (f)        | 2.94              | ROYAL/MONACO      | 2.94              | ROYAL/MONACO      | 2.94              | ROYAL/MONACO      | 2.94              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 3.21              | MONACO (f)        | 3.21              | ROYAL/MONACO      | 3.21              | ROYAL/MONACO      | 3.21              | ROYAL/MONACO      | 3.21              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 1.00              | MONACO (f)        | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      | 1.00              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.22              | MONACO (f)        | 2.22              | ROYAL/MONACO      | 2.22              | ROYAL/MONACO      | 2.22              | ROYAL/MONACO      | 2.22              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.71              | MONACO (f)        | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      | 2.71              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 2.94              | MONACO (f)        | 2.94              | ROYAL/MONACO      | 2.94              | ROYAL/MONACO      | 2.94              | ROYAL/MONACO      | 2.94              | ROYAL/MONACO      |      |             |
|                                    |   |                   | 3.21              | MONACO (f)        | 3.21              | ROYAL/MONACO      | 3.21              | ROYAL/MONACO      | 3.21              | ROYAL/MONACO      | 3.21              | ROYAL/MONACO      |      |             |
| V-8 318CID-4V<br>(AUTO)            | J- SPEED 2.45 (h)<br>1.45<br>1.00<br>(R) 2.22 | A-904-LA          | 2.45              | CHARGER S/E       | 2.45              | CHARGER S/E       | 2.45              | CHARGER S/E       | 2.45              | CHARGER S/E       | 2.45              | CHARGER S/E       |      |             |
|                                    |   |                   | 1.45              | CORDOBA           | 1.45              | CORDOBA           | 1.45              | CORDOBA           | 1.45              | CORDOBA           | 1.45              | CORDOBA           |      |             |
|                                    |   |                   | 1.00              | FURY              | 1.00              | FURY              | 1.00              | FURY              | 1.00              | FURY              | 1.00              | FURY              |      |             |
|                                    |   |                   | 2.22              | FURY              | 2.22              | FURY              | 2.22              | FURY              | 2.22              | FURY              | 2.22              | FURY              |      |             |
|                                    |   |                   | 2.71              | ASPER             | 2.71              | ASPER             | 2.71              | ASPER             | 2.71              | ASPER             | 2.71              | ASPER             |      |             |
|                                    |   |                   | 2.94              | ASPER             | 2.94              | ASPER             | 2.94              | ASPER             | 2.94              | ASPER             | 2.94              | ASPER             |      |             |
|                                    |   |                   | 3.21              | ASPER             | 3.21              | ASPER             | 3.21              | ASPER             | 3.21              | ASPER             | 3.21              | ASPER             |      |             |
|                                    |   |                   | 2.45              | LEBARON           | 2.45              | LEBARON           | 2.45              | LEBARON           | 2.45              | LEBARON           | 2.45              | LEBARON           |      |             |
|                                    |   |                   | 2.71              | VOLARE            | 2.71              | VOLARE            | 2.71              | VOLARE            | 2.71              | VOLARE            | 2.71              | VOLARE            |      |             |
|                                    |   |                   | 2.76              | VOLARE            | 2.76              | VOLARE            | 2.76              | VOLARE            | 2.76              | VOLARE            | 2.76              | VOLARE            |      |             |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| CHRYSLER ENGINE TYPE AND SIZE (TRANS. TYPE) | MODEL YEAR                       |             |   |  |  |   |                              |  |                                   |                                      |                                      |  |                                  |                              |                                       |           |        |            |  |  |
|---|----------------------------------|-------------|---|--|--|---|------------------------------|--|-----------------------------------|--------------------------------------|--------------------------------------|--|----------------------------------|------------------------------|---------------------------------------|-----------|--------|------------|--|--|
|   | 1975                             |             |   | 1976   |  |   | 1977                         |  |                                   | 1978                                 |                                      |  | 1979                             |                              |                                       | 1980      |        |            |  |  |
|   | DRIVELINE                        | RATIOS      | CAR MODELS  | DRIVELINE                                    | RATIOS   | CAR MODELS  | DRIVELINE                    | RATIOS   | CAR MODELS                        | DRIVELINE                            | RATIOS                               | CAR MODELS   | DRIVELINE                        | RATIOS                       | CAR MODELS                            | DRIVELINE | RATIOS | CAR MODELS |  |  |
| V-8<br>360CID-2V<br>(AUTO)                  | 3-<br>TUNQUE FLITE<br>SPEED 2.45 | (4)<br>2.71 | (4)<br>CORONET<br>CHARGER S/E<br>CHRYSLER<br>CORDOBA<br>GRAN FURY<br>NONAGO | DISCONTINUED                                 |  |   |                              |  |                                   |                                      |                                      |  |                                  |                              |                                       |           |        |            |  |  |
| (AUTO)                                      |                                  |             |   | 4-<br>SPEED 2.45<br>1.45<br>1.00<br>(8) 2.22 | A-727<br>3.71<br>2.45<br>2.45<br>3.21<br>CORONET<br>MONAGO<br>GRAN FURY                            | ROYAL<br>MONAGO<br>GRAN FURY (f)  | 2.71                         | 2.45<br>1.45<br>1.00<br>(h) 2.22                         | CHARGER S/E<br>(f)<br>(f)<br>3.41 | 2.71                                 | 2.45<br>1.45<br>1.00<br>(h) 2.22     | CHRYSLER S/E<br>(f)<br>(f)<br>CORDOBA<br>MAGNUM XE | 2.45                             | 2.45<br>1.45<br>1.00         | CHRYSLER S/E<br>(f)<br>(f)<br>CORDOBA |           |        |            |  |  |
| (AUTO)                                      |                                  |             |   | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(8) 2.22 | A-904-LA<br>2.71<br>2.45<br>2.92<br>3.21<br>ASPERT<br>VOLARE<br>MONAGO<br>CHARGER S/E<br>GRAN FURY | ASPERT<br>VOLARE<br>MONAGO<br>FURY<br>VOLARE<br>FURY MAG (f)<br>MONAGO<br>WAG | 2.45<br>2.45<br>2.94<br>3.21 | 2.45<br>1.45<br>1.00<br>(R) 2.22<br>2.45<br>2.71<br>3.21 | 2.71<br>2.45<br>2.96<br>3.21      | 2.45<br>1.45<br>1.00<br>(R) 2.22 (h) | 2.45<br>1.45<br>1.00<br>(R) 2.22 (h) | 2.45<br>1.45<br>1.00<br>(R) 2.22 (h)               | 2.45<br>1.45<br>1.00<br>2.71     | 2.45<br>1.45<br>1.00<br>2.71 | 2.45<br>1.45<br>1.00<br>2.71          |           |        |            |  |  |
| (AUTO)                                      |                                  |             |   | 3-<br>SPEED 2.45<br>1.45<br>1.00<br>(8) 2.22 | A-998<br>2.71<br>2.45<br>1.00<br>(R) 2.22  | ROYAL<br>MONAGO<br>GRAN FURY (f)  | 2.71<br>-<br>-<br>-          | 2.45<br>1.45<br>1.00<br>(R) 2.22                         | 2.71<br>-<br>-<br>-               | 2.71<br>-<br>-<br>-                  | 2.45<br>1.45<br>1.00<br>(R) 2.22     | 2.71<br>-<br>-<br>-                                | 2.45<br>1.45<br>1.00<br>(R) 2.22 | 2.71<br>-<br>-<br>-          | 2.45<br>1.45<br>1.00<br>(R) 2.22      |           |        |            |  |  |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

| ENGINE TYPE AND SIZE (TRANS., TYPE) | 1975                                   |                      |   | 1976                                   |                      |  | 1977                                   |                      |   | 1978                                       |                      |  | 1979            |              |      | 1980            |              |      |
|-------------------------------------|--|----------------------|---|--|----------------------|--|--|----------------------|---|--|----------------------|--|-----------------|--------------|------|-----------------|--------------|------|
|                                     | DRIVE-<br>SHAFT                        | TRANSMISSION         | AXLE  | DRIVE-<br>SHAFT                        | TRANSMISSION         | AXLE   | DRIVE-<br>SHAFT                        | TRANSMISSION         | AXLE  | DRIVE-<br>SHAFT                            | TRANSMISSION         | AXLE   | DRIVE-<br>SHAFT | TRANSMISSION | AXLE | DRIVE-<br>SHAFT | TRANSMISSION | AXLE |
| 360 (CONT)<br>(AUTO)                | TORQUE FLITE                           |                      |   |  |                      |  | A-999                                  |                      |   |  |                      |  |                 |              |      |                 |              |      |
|                                     | SPEED 2.45<br>1.45<br>1.00<br>(R) 2.20 | 2.71<br>2.45<br>3.21 | CORONET<br>CHARGER S/E<br>CHRYSLER<br>FURY<br>CORDOBA | (DISCONTINUED)                         |                      |  | SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22 | 2.65<br>2.71<br>3.21 | CHARGER S/E<br>CORDOBA (E)<br>MAGNUM XE(E)  | SPEED 2.45<br>1.45<br>1.00 (h)<br>(R) 2.22 | 2.65<br>2.71<br>3.21 | CHARGER S/E<br>CORDOBA (E)<br>MAGNUM XE(E)                 |                 |              |      |                 |              |      |
| V-8<br>300CID-4V<br>(AUTO)          | TORQUE FLITE                           |                      |   |  |                      |  | A-727                                  |                      |   |  |                      |  |                 |              |      |                 |              |      |
|                                     | SPEED 2.45<br>1.45<br>1.00<br>(R) 2.00 | 2.71<br>2.45<br>3.21 | CORONET<br>CHARGER S/E<br>CHRYSLER<br>FURY<br>CORDOBA | SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22 | 2.71<br>2.45<br>3.21 | CHRYSLER (C)<br>CHARGER S/E<br>CORONET (C)<br>MONACO<br>GRAN FURY (C)<br>CORDOBA (C) | SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22 | 2.71<br>2.45<br>3.21 | CHRYSLER (C, D)<br>ROYAL (C, D)<br>MONACO<br>GRAN FURY (C, D) (R)<br>CORDOBA (C)<br>CHARGER S/E | SPEED 2.45<br>1.45<br>1.00<br>(R) 2.22     | 2.71<br>2.45<br>3.21 | CHRYSLER (D)<br>CHARGER S/E<br>CORDOBA (D)<br>MAGNUM XE(D) |                 |              |      |                 |              |      |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)





ENGINE  
TYPE AND SIZE  
(TRANS. TYPE)

| ENGINE<br>TYPE AND SIZE<br>(TRANS. TYPE) | 1975                                     |      | 1976   |   | 1977  |  | 1978  |  | 1979  |                            | 1980  |      |
|--|--|------|--|---|---|--|---|--|---|----------------------------|---|------|
|  | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION | AXLE | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION           | AXLE  | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION          | AXLE                                   | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION        | AXLE   | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION        | AXLE                       | DRIVE-<br>LINE<br>RATIOS<br>TRANSMISSION  | AXLE |
| 300 (CONT)<br>(AUTO)                     |  |      | A-727<br>SPEED<br>2.45<br>1.45<br>1.00<br>(R) 2.22 | CHRYSLER (b)<br>CORODBA (c)<br>CHARGER (c)<br>CORONET/<br>MONACO (h)<br>GRAN FURY (b) | 2.71<br>2.45<br>3.21                              | (f)<br>(e)<br>(h)<br>(e)<br>(e)<br>(e) | 3-<br>SPEED<br>2.45<br>1.45<br>1.00<br>(R) 2.22 | CHRYSLER<br>CORODBA<br>CHARGER S/E<br>ROYALTY<br>MONACO<br>GRAN FURY | 2.71<br>2.45<br>1.45<br>1.00<br>(h)<br>(R) 2.22 | (e)<br>2.71<br>(h)         | CHRYSLER<br>FURY MAG.<br>MONACO MAG.<br>CHARGER S/E<br>CORODBA<br>MAGNUM XE<br>MONACO |      |
| NEW<br>440-CJD-A<br>(AUTO)               | 2.45<br>1.45<br>1.00<br>2.25             |      | (DISCONTINUED)                                     | TORQUE FLITE<br>CHRYSLER (a)<br>IMPERIAL<br>GRAN FURY<br>MONACO                       | 2.71<br>2.45<br>3.21                              | (f)<br>(e)<br>(e)<br>(e)               |   |  |   |                            |   |      |
| (AUTO)                                   |  |      | A-727<br>SPEED<br>2.45<br>1.45<br>1.00<br>(R) 2.22 | CHRYSLER<br>MONACO<br>GRAN FURY   | 2.71<br>2.45<br>3.21                              | (f)<br>(e)<br>(h)                      | 3-<br>SPEED<br>2.45<br>1.45<br>1.00<br>(R) 2.22 | CHRYSLER<br>MONACO<br>GRAN FURY                                      | 2.71<br>2.45<br>1.45<br>1.00<br>(h)<br>(R) 2.22 | (b)<br>2.45<br>(g)<br>3.21 | CHRYSLER (h)  |      |
| (AUTO)                                   |  |      |  |   | A-998<br>SPEED<br>2.45<br>1.45<br>(h)<br>(R) 2.22 |  |   | ROYAL<br>MONACO<br>GRAN FURY   |   | (DISCONTINUED)             |   |      |

FIGURE C-1. CHRYSLER ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONCLUDED)



APPENDIX D  
AMERICAN MOTORS ENGINE-TRANSMISSION-REAR  
AXLE PRODUCT SCHEDULE

TABLE D-1. NOTES FOR AMERICAN MOTORS ENGINE-TRANSMISSION-REAR  
AXLE PRODUCT SCHEDULES

- (a) Not available in California
- (b) Not available, high altitude
- (c) California only
- (d) High altitude only
- (e) Standard in California
- (f) Canada only
- (g) Optional in California
- (h) Only ratio available for sportabout in California
- (i) A.I. 2/1/77 p. 14.
- (j) Chrysler
- (k) W.E.U. 5/29/77 p. 6
- (l) Dropped V-8, W.A.R. 3/1/76
- (m) Porsche 4 cylinder transaxle 924 engine,  
W.E.U. 5/27/77
- (n) W.A.R. 4/25/77 p. 131
- (o) W.A.R. 8/11/75 p. 253
- (p) W.A.R. 7/21/75 p. 220
- (q) W.E.U. 1/21/77 p. 5. (assumption)
- (R) Reverse
- (s) 49 States (federal) only

MODEL YEAR

AMC

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975   |            | 1976                                 |            | 1977                                       |            | 1978                             |            | 1979                             |            | 1980                             |            |
|------------------------------------|--|------------|--------------------------------------|------------|--|------------|----------------------------------|------------|----------------------------------|------------|----------------------------------|------------|
|                                    | DRIVE SHAFT RATIO                              | AXLE RATIO | DRIVE SHAFT RATIO                    | AXLE RATIO | DRIVE SHAFT RATIO                          | AXLE RATIO | DRIVE SHAFT RATIO                | AXLE RATIO | DRIVE SHAFT RATIO                | AXLE RATIO | DRIVE SHAFT RATIO                | AXLE RATIO |
| IL-4<br>232CID-2V<br>(VP-RDD)      | 3-<br>Spd 3.100                                | 2.73       | 3.100                                | 2.73       | 3.50                                       | 3.31       | 3.50                             | 3.31       | 3.50                             | 3.31       | 3.50                             | 3.31       |
|                                    |  |            |                                      |            |  |            |                                  |            |                                  |            |                                  |            |
| (MANUAL)                           | 3-<br>Spd 1.744<br>1.000<br>(R) 2.636          | 3.08       | 1.744<br>1.000<br>(R) 2.636          | 3.08       | 2.21<br>1.43<br>(R) 3.39                   | 3.31       | 2.21<br>1.43<br>(R) 3.39         | 3.31       | 2.21<br>1.43<br>(R) 3.39         | 3.31       | 2.21<br>1.43<br>(R) 3.39         | 3.31       |
|                                    |  |            |                                      |            |  |            |                                  |            |                                  |            |                                  |            |
| (MANUAL)                           | 4-<br>Spd 2.990<br>1.750<br>1.000<br>(R) 3.170 | 2.73       | 2.990<br>1.750<br>1.000<br>(R) 3.170 | 3.08       | 3-<br>Spd 2.45<br>1.45<br>1.00<br>(R) 2.20 | 3.31       | 2.45<br>1.45<br>1.00<br>(R) 2.20 | 3.31       | 2.45<br>1.45<br>1.00<br>(R) 2.20 | 3.31       | 2.45<br>1.45<br>1.00<br>(R) 2.20 | 3.31       |
|                                    |  |            |                                      |            |  |            |                                  |            |                                  |            |                                  |            |
| (MANUAL)                           | 3-<br>Spd 3.100                                | 2.73       | 3.100                                | 2.73       | 4-<br>Spd 3.50<br>2.21<br>1.43<br>(R) 3.39 | 3.31       | 3.50<br>2.21<br>1.43<br>(R) 3.39 | 3.31       | 3.50<br>2.21<br>1.43<br>(R) 3.39 | 3.31       | 3.50<br>2.21<br>1.43<br>(R) 3.39 | 3.31       |
|                                    |  |            |                                      |            |  |            |                                  |            |                                  |            |                                  |            |

FIGURE D-1. AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80

MODEL YEAR

AMC

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975                                  |            | 1976                                  |            | 1977                                  |            | 1978                                  |            | 1979                                  |            | 1980                                  |            |
|------------------------------------|---------------------------------------|------------|---------------------------------------|------------|---------------------------------------|------------|---------------------------------------|------------|---------------------------------------|------------|---------------------------------------|------------|
|                                    | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS<br>TRANSMISSION AXLE | CAR MODELS |
| 232 (CONT)                         |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |
| (MANUAL)                           |                                       |            |                                       |            | (DISCONTINUED)                        |            |                                       |            |                                       |            |                                       |            |
|                                    |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |
| (MANUAL)                           |                                       |            |                                       |            | (DISCONTINUED)                        |            |                                       |            |                                       |            |                                       |            |
|                                    |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |
| (MANUAL)                           |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |
| (MANUAL)                           |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |
| (MANUAL)                           |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |
| (MANUAL)                           |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |                                       |            |

FIGURE D-1. AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

AMC

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975                               |                              | 1976                               |            | 1977                               |                              | 1978                               |                      | 1979                               |                                     | 1980                                |                       |
|------------------------------------|------------------------------------|------------------------------|------------------------------------|------------|------------------------------------|------------------------------|------------------------------------|----------------------|------------------------------------|-------------------------------------|-------------------------------------|-----------------------|
|                                    | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS                   | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS                   | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS           | DRIVELINE RATIOS TRANSMISSION AXLE | CAR MODELS                          | DRIVELINE RATIOS TRANSMISSION AXLE  | CAR MODELS            |
| 232 (CONT)<br>(AUTO)               | 3- Spd 2.45 1.45 1.00 (R) 2.20     | GREMLIN HORNET PACER         | TORQUE-COMMAND (J)                 |            | 3- Spd 2.45 1.45 1.00 (R) 2.20     | GREMLIN HORNET PACER         | 3- Spd 2.45 1.45 1.00 (R) 2.20     | GREMLIN HORNET PACER | 3- Spd 2.45 1.45 1.00 (R) 2.20     | GREMLIN CONCORD PACER CONCORD WAGON |                                     |                       |
|                                    |                                    | LAYCOCK O.D.                 |                                    |            |                                    |                              |                                    |                      |                                    |                                     |                                     |                       |
| 1L-6 258CID-1V (MANUAL)            | 4- Spd 2.99 1.75 1.00 (R) 3.17     | GREMLIN HORNET PACER         | (DISCONTINUED)                     |            | (DISCONTINUED)                     |                              | (DISCONTINUED)                     |                      | (DISCONTINUED)                     |                                     |                                     |                       |
|                                    |                                    | TREMEC T-150                 |                                    |            |                                    |                              |                                    |                      |                                    |                                     |                                     |                       |
| (MANUAL)                           | 3- Spd 3.100 1.744 1.000 (R) 2.636 | GREMLIN HORNET PACER MATADOR | WARNER GEAR T-14                   |            | 3- Spd 3.100 1.744 1.000 (R) 2.636 | GREMLIN HORNET MATADOR PACER | (DISCONTINUED)                     |                      | BOEG & BECK                        |                                     | 4- Spd 3.50 2.21 1.43 1.00 (R) 3.39 | GREMLIN CONCORD PACER |
|                                    |                                    | LAYCOCK O.D.                 |                                    |            |                                    |                              |                                    |                      |                                    |                                     |                                     |                       |

FIGURE D-1. AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

MODEL YEAR

AMC

ENGINE  
TYPE AND SIZE  
(TRANS. TYPE)

258 1V (CONT)

(MANUAL)

(MANUAL)

(AUTO)

(MANUAL)

| 1975<br>DRIVE<br>SHAFT<br>RATIO               | 1976  |   | 1977                    |   | 1978                    |       | 1979                    |       | 1980                    |       |
|---|---|---|-------------------------|---|-------------------------|-------|-------------------------|-------|-------------------------|-------|
|   | DRIVE<br>SHAFT<br>RATIO                                       | MODEL   | DRIVE<br>SHAFT<br>RATIO | MODEL   | DRIVE<br>SHAFT<br>RATIO | MODEL | DRIVE<br>SHAFT<br>RATIO | MODEL | DRIVE<br>SHAFT<br>RATIO | MODEL |
| 3-<br>SPD<br>2.99<br>1.75<br>1.00<br>(R) 3.17 | TREMEX T-150<br>3-<br>SPD<br>2.99<br>1.75<br>1.00<br>(R) 3.17 | 2.73 GREMLIN  |                         | (DISCONTINUED)  |                         |       |                         |       |                         |       |
|   |   | 3.08 HORNET<br>(a)<br>3.15 MATADOR<br>(a)<br>3.54<br>2.73 PACER<br>3.08 |                         |   |                         |       |                         |       |                         |       |
| 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20 | 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20                 | 2.73 GREMLIN  |                         | AUTOMOTIVE PRODUCTS LTD<br>(f)<br>2.73 GREMLIN<br>(d)<br>3.08 PACER<br>(f)<br>2.73 HORNET |                         |       |                         |       |                         |       |
|   |   | 3.08 HORNET<br>3.15 MATADOR<br>3.54<br>2.73 PACER<br>3.08               |                         |   |                         |       |                         |       |                         |       |
| 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20 | 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20                 | 2.73 GREMLIN<br>3.08 HORNET<br>3.15 MATADOR<br>3.54                     |                         |   |                         |       |                         |       |                         |       |
|   |   | 2.73 PACER<br>3.08<br>2.53  |                         |   |                         |       |                         |       |                         |       |
| 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20 | 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20                 | 2.73 GREMLIN<br>3.08 HORNET<br>3.15 MATADOR<br>3.54                     |                         |   |                         |       |                         |       |                         |       |
|   |   | 2.73 PACER<br>3.08<br>2.53  |                         |   |                         |       |                         |       |                         |       |
| 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20 | 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20                 | 2.73 GREMLIN<br>3.08 HORNET<br>3.15 MATADOR<br>3.54                     |                         |   |                         |       |                         |       |                         |       |
|   |   | 2.73 PACER<br>3.08<br>2.53  |                         |   |                         |       |                         |       |                         |       |
| 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20 | 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20                 | 2.73 GREMLIN<br>3.08 HORNET<br>3.15 MATADOR<br>3.54                     |                         |   |                         |       |                         |       |                         |       |
|   |   | 2.73 PACER<br>3.08<br>2.53  |                         |   |                         |       |                         |       |                         |       |
| 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20 | 3-<br>SPD<br>2.45<br>1.45<br>1.00<br>(R) 2.20                 | 2.73 GREMLIN<br>3.08 HORNET<br>3.15 MATADOR<br>3.54                     |                         |   |                         |       |                         |       |                         |       |
|   |   | 2.73 PACER<br>3.08<br>2.53  |                         |   |                         |       |                         |       |                         |       |

1-6  
258CID-2V

FIGURE D-1. AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

MODEL YEAR

ANC

| ENGINE TYPE AND SIZE (TRANS. TYPE) | 1975  |        |             |      | 1976        |      |             |      | 1977        |      |             |      | 1978        |   |             |      | 1979        |       |             |      | 1980        |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
|------------------------------------|---|--------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|---|-------------|------|-------------|-------|-------------|------|-------------|------|-------------|------|---|--------|------|------|-------|--|------|------|--|-----|------|--|--|---|--------|------|------|-------|--|------|------|--|-----|------|--|--|
|                                    | DRIVE/TRANS   |        | RATIO/AXLE  |      | DRIVE/TRANS |      | RATIO/AXLE  |      | DRIVE/TRANS |      | RATIO/AXLE  |      | DRIVE/TRANS |   | RATIO/AXLE  |      | DRIVE/TRANS |       | RATIO/AXLE  |      | DRIVE/TRANS |      | RATIO/AXLE  |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
|                                    | DRIVE/TRANS   | AXLE   | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE  | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE  | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE | DRIVE/TRANS | AXLE |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| 258 2V (CONT)                      | (MANUAL)  |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
|                                    | LAWCOCK O.D.  |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
|                                    | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <table border="0"> <tr><td>3- Spd</td><td>2.99</td><td>2.73</td><td>PACER</td></tr> <tr><td></td><td>1.75</td><td>3.08</td><td></td></tr> <tr><td>(R)</td><td>3.17</td><td></td><td></td></tr> </table> </td> <td style="width: 50%; vertical-align: top;"> <table border="0"> <tr><td>3- Spd</td><td>2.99</td><td>2.73</td><td>PACER</td></tr> <tr><td></td><td>1.75</td><td>3.08</td><td></td></tr> <tr><td>(R)</td><td>3.17</td><td></td><td></td></tr> </table> </td> </tr> </table> |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      | <table border="0"> <tr><td>3- Spd</td><td>2.99</td><td>2.73</td><td>PACER</td></tr> <tr><td></td><td>1.75</td><td>3.08</td><td></td></tr> <tr><td>(R)</td><td>3.17</td><td></td><td></td></tr> </table> | 3- Spd | 2.99 | 2.73 | PACER |  | 1.75 | 3.08 |  | (R) | 3.17 |  |  | <table border="0"> <tr><td>3- Spd</td><td>2.99</td><td>2.73</td><td>PACER</td></tr> <tr><td></td><td>1.75</td><td>3.08</td><td></td></tr> <tr><td>(R)</td><td>3.17</td><td></td><td></td></tr> </table> | 3- Spd | 2.99 | 2.73 | PACER |  | 1.75 | 3.08 |  | (R) | 3.17 |  |  |
|                                    | <table border="0"> <tr><td>3- Spd</td><td>2.99</td><td>2.73</td><td>PACER</td></tr> <tr><td></td><td>1.75</td><td>3.08</td><td></td></tr> <tr><td>(R)</td><td>3.17</td><td></td><td></td></tr> </table>   | 3- Spd | 2.99        | 2.73 | PACER       |      | 1.75        | 3.08 |             | (R)  | 3.17        |      |             | <table border="0"> <tr><td>3- Spd</td><td>2.99</td><td>2.73</td><td>PACER</td></tr> <tr><td></td><td>1.75</td><td>3.08</td><td></td></tr> <tr><td>(R)</td><td>3.17</td><td></td><td></td></tr> </table> | 3- Spd      | 2.99 | 2.73        | PACER |             | 1.75 | 3.08        |      | (R)         | 3.17 |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| 3- Spd                             | 2.99  | 2.73   | PACER       |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
|                                    | 1.75  | 3.08   |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| (R)                                | 3.17  |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| 3- Spd                             | 2.99  | 2.73   | PACER       |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
|                                    | 1.75  | 3.08   |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| (R)                                | 3.17  |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| TREMEC T-150                       |   |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| (MANUAL)                           |   |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| MID-YEAR INTRO. '76<br>BORG & BECK |   |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| (MANUAL)                           |   |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| AUTOMOTIVE PRODUCTS LTD.           |   |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |
| (ACTD)                             |   |        |             |      |             |      |             |      |             |      |             |      |             |   |             |      |             |       |             |      |             |      |             |      |   |        |      |      |       |  |      |      |  |     |      |  |  |   |        |      |      |       |  |      |      |  |     |      |  |  |

FIGURE D-1. AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

ENGINE TYPE AND SIZE (TRANS. TYPE)

DRIVE LINE RATIOS TRANSMISSION AXLE

CAR MODELS

DRIVE LINE RATIOS TRANSMISSION AXLE

CAR MODELS

DRIVE LINE RATIOS TRANSMISSION AXLE

CAR MODELS

DRIVE LINE RATIOS TRANSMISSION AXLE

CAR MODELS

V-8 304CID-2V (MANUAL)

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

V-8 360CID-2V (AUTO)

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

V-8 304CID-2V (MANUAL)

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

3- Spd 2.99 1.75 1.00 (R) 3.170

V-8 360CID-2V (AUTO)

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

3- Spd 2.45 1.45 1.00 (R) 2.20

(DISCONTINUED)

(TORQUE-COMMAND (j))

(TORQUE-COMMAND (j))

(TORQUE-COMMAND (j))

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(TORQUE-COMMAND (j))

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(TORQUE-COMMAND (j))

(TORQUE-COMMAND (j))

(TORQUE-COMMAND (j))

(TORQUE-COMMAND (j))

FIGURE D-1. AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONTINUED)

MODEL YEAR

| ENGINE TYPE AND SIZE (TRANS., TYPE) | 1975                                 |                      | 1976                                 |                      | 1977           |      | 1978           |      | 1979           |      | 1980           |      |
|-------------------------------------|--------------------------------------|----------------------|--------------------------------------|----------------------|----------------|------|----------------|------|----------------|------|----------------|------|
|                                     | DRIVE SHAFT                          | AXLE                 | DRIVE SHAFT                          | AXLE                 | DRIVE SHAFT    | AXLE | DRIVE SHAFT    | AXLE | DRIVE SHAFT    | AXLE | DRIVE SHAFT    | AXLE |
| V-8<br>360CID-4V<br>(AUTO)          | A3- 2.45<br>1.65<br>1.00<br>(R) 2.20 | 3.15 MATADOR<br>3.34 | A3- 2.45<br>1.65<br>1.00<br>(R) 2.20 | 3.15 MATADOR<br>3.34 | (DISCONTINUED) |      | (DISCONTINUED) |      | (DISCONTINUED) |      | (DISCONTINUED) |      |
|                                     | A3- 2.45<br>1.65<br>1.00<br>(R) 2.20 | 3.15 MATADOR         | A3- 2.45<br>1.65<br>1.00<br>(R) 2.20 | 3.15 MATADOR         | (DISCONTINUED) |      | (DISCONTINUED) |      | (DISCONTINUED) |      | (DISCONTINUED) |      |

V-8  
360CID-4V  
(AUTO)

V-8  
401CID-4V  
(AUTO)

FIGURE D-1. AMERICAN MOTORS ENGINE-TRANSMISSION-REAR AXLE PRODUCT SCHEDULE, 1975-80 (CONCLUDED)



APPENDIX E  
REPORT OF NEW TECHNOLOGY

After a thorough review of the work performed under this contract, no new innovations, discoveries, improvements, or inventions were made or patents submitted.

The program did result in a better understanding of the automotive industry and its capacity to meet fuel economy goals due to the development of Product Schedules of Engine/Driveline Combinations for the domestic auto manufacturers.

HE 18.5 • A  
NHTSA-1

Automotive  
assessment

Form DOT F 1720  
FORMERLY FORM DOT





00347515

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