



HQ-658  
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# ADVISORY CIRCULAR

## DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

**SUBJECT:** FAA APPROVED AIRPLANE FLIGHT MANUALS, PLACARDS, LISTINGS,  
INSTRUMENT MARKINGS - SMALL AIRPLANES

1. PURPOSE. This circular is to call the attention of pilots to the regulatory requirements relating to the subject and to provide information intended to aid pilots to comply with the provisions of section 91.31 of the FARs.
2. RELATED PUBLICATIONS. FAR Parts 23, 61, 91; CARs 3, 4a, 4b and Advisory Circulars Nos. 20-10, 61-3B, 61-4B, 61-9, 61.117-1B.
3. BACKGROUND.
  - a. Airplanes currently in use have been type certificated under different Parts of the Federal Aviation Regulations (FARs) or Civil Air Regulations (CARs) which preceded the FARs. Unless modified by a different rule, Supplemental Type Certificate, or a revised type Certificate, the requirements in effect at the time of original type certification generally apply.
  - b. Results of accident investigations and testing of pilots indicate that many pilots of small airplanes are not aware of the requirements which apply to the particular airplane they may be operating. Thus, airplanes are sometimes operated without the required manual aboard or without a display of all the required placards, listings, and instrument markings.
4. INFORMATION.
  - a. Operation of an airplane without the required APPROVED AIRPLANE FLIGHT MANUAL, PLACARDS, LISTINGS, and INSTRUMENT MARKINGS available in the airplane is prohibited by FAR 91.31. This section also requires a pilot to comply with the prescribed operating limitations for the airplane he is operating.

- b. Airplanes having a maximum certificated weight above 6,000 pounds, and which are type certificated under FAR Part 23, or CAR Part 3, are required to have an FAA APPROVED AIRPLANE FLIGHT MANUAL available in the airplane during operations of the airplane. This requirement is in addition to those requirements for placards, and instrument markings, required by the same Parts. Airplanes of 6,000 pounds or less maximum certificated weight may optionally have an FAA APPROVED AIRPLANE FLIGHT MANUAL.
- c. The principal source of information to determine whether the operating limitations for a particular airplane are set forth in an FAA APPROVED FLIGHT MANUAL, in PLACARDS, LISTINGS and INSTRUMENT MARKINGS, or in combinations of the above, is the FAA TYPE CERTIFICATE DATA SHEET. This Data Sheet is issued by the FAA for each airplane for which an Airworthiness Certificate is authorized. FAA approved repair stations and mechanics who are authorized to conduct airplane airworthiness inspections maintain a reference library of data sheets. The FAA GADO offices also maintain a reference library of such data sheets.
- d. A partial list of airplanes having a maximum certificated weight of 6,000 pounds or less is attached. The list indicates which of the airplanes listed are required to have FAA APPROVED AIRPLANE FLIGHT MANUALS.

5. RECOMMENDATIONS.

- a. Flight and Ground Instructors. Initial pilot qualification and transition type training curricula should include the information contained in the FAA APPROVED AIRPLANE FLIGHT MANUAL, PLACARDS, LISTINGS, and INSTRUMENT MARKINGS prescribed for the training airplanes used.
- b. Other Pilots. Familiarization with the airworthiness information prescribed in the FAA TYPE CERTIFICATE DATA SHEETS for the airplanes used in training may be helpful in avoiding non-compliance with FAR 91.31 when this information is not otherwise available.

*Edward C. Hodson*  
Director,  
Asstg Flight Standards Service

<u>Make and Model</u>		<u>FAA Approved Flight Manual</u>
Aero Commander	100	Yes
	200	Yes
	600	Yes
	500, 520, 560	Yes
Alon		
Erco	415	Yes
Alon	F-1	Yes
	A-2; A-2A	No
Beech	23	No
	35	Yes
	T34	Yes
	H-35 thru 35-33A	Yes
	50	Yes
	95-55	Yes
Bellanca	14-19	Yes
	17-30	Yes
	31-42	Yes
Callair	A-9A	No
Cessna	120	Yes
	140	Yes
	150	No
	170	Yes
	172	No
	175	No
	177	No
	180	No
	182	No
	185	No
	190, 195	Yes
	206	No
	210	No
	310	No
	320	No
	336	No
	337	No
Champion		
Aeronca	7	No
Globe	GC-1	No

<u>Make and Model</u>	<u>FAA Approved Flight Manual</u>
Helio 391,395	Yes
500	Yes
550	Yes
Lake C-1,LA4	Yes
Luscombe 8	No
Maule M-4	Yes (certain models)
Mooney 18	Yes
20	Yes
22	No
North American	
NA T-6	No
Navion	Yes
Piper PA 12	Yes
14	Yes
15	Yes
16	Yes
17	Yes
18	Yes
19	Yes
20	Yes
22	Yes
23	Yes
24	Yes
25 (normal)	Yes
25 (restricted)	Yes
28	Yes
30	Yes
31	Yes
32	Yes
Republic RC-3	Yes
Stinson L-5	No
108	Yes
Taylorcraft 15A	No
20	No