



SERVICE BULLETIN

No. 653

Piper Aircraft Corporation

FAA/DOA SO-2 Approved

Lock Haven, Pennsylvania, U.S.A.

December 3, 1979 M

Subject: Modification of Weight and Balance Plotters

Models Affected: Serial Numbers Affected:

PA-31, PA-31-325 Navajos
PA-31-350 Chieftain

31-2 through 31-7912080
31-5001 through 31-7952135

Compliance Time: Within the next twenty-five (25) hours
of operation of the aircraft.

Purpose:

Field reports indicate that instances have occurred in some of the above aircraft of the forward C.G. limit being exceeded with two people and full fuel on board. Failure to maintain an aircraft within the allowable C.G. limit may adversely affect aircraft performance and handling.

This Service Release announces the availability of a Placard which should be placed on the back of the aircraft Weight and Balance Plotter Assembly. This Placard revises loading instructions to reduce the possibility of exceeding forward C.G. Limit with two people and full fuel.

Instructions:

1. Be certain that the proper loading instructions for your aircraft are enclosed with this Service Release.
 - a. PA-31 Navajos and PA-31-325 Navajo C/R's require the Placard on which instruction 1 states, "When carrying 1 to 5 occupants in forward seats, rear baggage may be required to bring the loaded airplane's C.G. within allowable limits."
 - b. PA-31-350 Chieftains require the Placard on which instruction 1 states, "Load occupants from front to rear progressively."
2. Before peeling protective backing from Placard, locate Placard over proper position on back of Plotter as follows:
 - a. PA-31 and PA-31-325, Placard covers existing General Loading Instructions paragraph.
 - b. PA-31-350, Placard covers blank white space at bottom.

(over)

Instructions: (continued)

3. Secure bottom of Placard in proper position on plotter with small pieces of masking tape.
4. Hinge top of Placard forward, peel off backing down to slit and smooth in place; then hinge bottom forward, peel off remaining backing, and smooth in place.
5. Make appropriate logbook entry of compliance with this Service Release.

Material Required:

General Loading Recommendations placard as identified in Instructions 1., a. and b.

Availability of Material:

Enclosed.

Effectivity Date:

This Service Release is effective upon receipt.

Summary:

The Placard required for compliance with this Service Release is enclosed with this Release.