



Piper Aircraft Corporation
Vero Beach, Florida, U.S.A.

SERVICE No. 776A BULLETIN

* PIPER CONSIDERS *
* COMPLIANCE MANDATORY *

Date February 16, 1988 M

(Service Bulletin No. 776A supersedes and voids Service Bulletin No. 776, dated March 27, 1984.)

This Service Bulletin is divided into TWO (2) PARTS. Check each PART for specific subject and Serial Numbers affected.

REASON FOR REVISION: Add PART II

APPROVAL: The technical contents of this Service Bulletin have been approved by the F.A.A.

PART I

SUBJECT: Fuel Quantity Placards Replacement

MODELS AFFECTED: SERIAL NUMBERS AFFECTED:

PA-31T Cheyenne/Cheyenne II	31T-7400002 through 31T-8120104
PA-31T1 Cheyenne I (Tip Tank Equipped Only)	31T-7804001 through 31T-8104101
PA-31T2 Cheyenne IXL	31T-8166001 through 31T-8166076

COMPLIANCE TIME: Within the next twenty-five (25) hours of operation.

PURPOSE: It has been determined that the total fuel capacity and usable fuel quantity stated on placards, Pilot's Operating Manuals/Handbooks and Weight and Balance Plotters as delivered, must be reduced. Left uncorrected this condition could result in inaccurate flight planning.

This Service Release provides instructions to replace the existing fuel quantity/fuel specification placards stenciled adjacent to the tank filler openings and the usable fuel quantity placards displayed on the cockpit fuel control panel, and for the revision of Pilot's Operating Manuals/Handbooks.

INSTRUCTIONS:

NOTE: Aircraft which have complied with Service Bulletin No. 776 are in compliance with PART I of Service Bulletin No. 776A.

A. Locate the fuel quantity/fuel specification placards stenciled adjacent to each fuel tank filler (four per aircraft).

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1. Clean the area of the stencilled placard with lacquer thinner or equivalent cleaning solution. Sand lightly to smooth any irregularities in the existing placard.
2. Remove the protective backing from the new fuel specification placard, Piper Part Number 73382-02. Apply the new adhesive backed placards directly over the existing stencilled placard at each Fuel Tank Filler.

B. On the cockpit "Fuel Control Panel"

1. For PA-31T, Cheyenne/Cheyenne II, and PA-31T1, Cheyenne I:
 - a. Remove each of the existing fuel quantity placards, clean any remaining tape residue.
 - b. Install new placards, Piper Part Number 50216-07 and 50216-08.
 - c. Secure the new placards with 3/4 inch wide Scotch (3M) Mount Tape #4032, Piper Part Number 189 746 or equivalent double stick foam tape. Trim tape to match royalite cutout.

NOTE: PA-31T1's without Tip Tanks do not require a new usable fuel quantity placard or wing fuel specification placard.

2. For PA-31T2, Cheyenne IIXL:
Serial Numbers 31T-8166001 through 31T-8166043
Install Fuel Control Panel Modification Kit, Piper Part Number 764 966. Instructions and Material are included in Kit.
3. For PA-31T2, Cheyenne IIXL:
Serial Numbers 31T-8166044 through 31T-8166076
 - a. Using a #40 drill, remove the two (2) rivets from each end of the two (2) placards on the firewall shut-off hinged handle covers.
 - b. Install new placards, Piper Part Numbers 81076-02 (Right) and 81078-02 (Left) using aluminum rivets MS20470A3-3 or equivalent No. 32, 3/32 diameter aluminum "pop" rivets.

C. Ensure the appropriate revision is included in the existing POH/POM in accordance with Table I below:

D. Make an appropriate logbook entry of compliance with PART I of this Service Bulletin.

TABLE I

Aircraft Model	Serial Numbers Affected	POM Part Number	POH Report Number	Revision Number
PA-31T	31T-7400002 thru 31T-7620057	761 560		Rev 15 PR840201
	31T-7720001 thru 31T-7920094		2048	Rev 9 PR840203
	31T-8020001 thru 31T-8120104		2210	Rev 9 PR840206
PA-31T1	31T-7804001 thru 31T-8104101		2124	Rev 14 PR840202
PA-31T2	31T-8166001 thru 31T-8166076		2272	Rev 5 PR840207

MATERIAL REQUIRED:

Placard Part Number 73382-02	Four (4) per aircraft.
Placard Part Number 50216-07	As required per instruction B.1.
Placard Part Number 50216-08	As required per instruction B.1.
Fuel Control Panel Modification Kit, Piper Part Number 764 966	As required per instruction B.2.
Placard Part Number 81076-02 (Right)	As required per instruction B.3.
Placard Part Number 81078-02 (Left)	As required per instruction B.3.
Rivets Part Number MS 20470A3-3	As required per instruction B.3.
Appropriate POM/POH Revision	As required per Table I.

PART IISUBJECT:

Weight and Balance Plotter Replacement.

MODELS AFFECTED:SERIAL NUMBERS AFFECTED:

PA-31T Cheyenne/Cheyenne II	31T-7400002 through 31T-8120104
PA-31T1 Cheyenne I (Tip Tank Equipped Only)	31T-7804001 through 31T-8304003
	31T-1104004 through 31T-1104017
PA-31T2 Cheyenne IIXL	31T-8166001 through 31T-8166076
	31T-1166001 through 31T-1166008

COMPLIANCE TIME:

Within the next twenty-five (25) hours of operation.

PURPOSE:

The existing Weight and Balance Plotters are not valid due to the revised fuel quantities addressed in PART I and must not be used for flight planning.

PART II of this Service Bulletin announces the availability of new Weight and Balance Plotters with revised fuel information.

INSTRUCTIONS:

1. Discard existing Weight and Balance Plotter and replace with the appropriate revised plotter.
2. Make an appropriate log book entry of compliance with PART II of this Service Bulletin.

MATERIAL REQUIRED:

<u>MODEL</u>	<u>QUANTITY</u>	<u>NOMENCLATURE</u>	<u>PIPER PART NUMBER</u>
PA-31T	One (1)	Plotter	683-095
PA-31T1	One (1)	Plotter	683-094
PA-31T2	One (1)	Plotter	683-093

(Over)

AVAILABILITY OF PARTS: Your Piper Cheyenne Field Service Facility.

EFFECTIVITY DATE: This Service Release is effective upon receipt.

SUMMARY: Please contact your Factory Authorized Piper Cheyenne Field Service Facility to make arrangements for compliance with this Service Bulletin in accordance with the Compliance Time indicated, and to obtain information concerning any applicable Factory Participation.

Any applicable Factory Participation will remain in effect for a period of time not to exceed 180 days from the date of this Service Bulletin.

NOTE: If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify the Factory of address/ownership corrections. Changes should include aircraft model, serial number, current owner's name and address.

Corrections/Changes should be directed to:

Piper Aircraft Corporation
Attn: Customer Services
P.O. Box 1328
Vero Beach, FL 32961-1328