

SPECIAL ADVISORY NO. 31T-14

PIPER CONSIDERS  
COMPLIANCE MANDATORY



F.A.A. Approved

August 29, 1986

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SUBJECT:

Elevator Trim Tab and Center Elevator  
Balance Weight Arm Replacement

MODELS AFFECTED:

PA-31T3 T-1040

SERIAL NUMBERS AFFECTED:

31T-8275001 and 31T-8275004 through  
31T-8275009

COMPLIANCE TIME:

At the next regularly scheduled maintenance event,  
but not to exceed one-hundred (100) hours of operation.

PURPOSE:

Engineering tests have indicated that longitudinal  
trim capability may be inadequate in certain flight configurations, on the above  
listed aircraft with existing elevator trim tabs.

This Special Advisory announces the availability and requires the installation  
of current model trim tabs which, when installed, will correct the above  
described condition.

INSTRUCTIONS:

NOTE: Refer to Chapter 55 of the T-1040 Maintenance Manual for specific  
procedures.

1. Remove elevator assembly from aircraft.
2. Remove left and right elevator trim tab assemblies and discard.
3. Install new left and right elevator trim tab assemblies.
4. Remove center elevator balance weight arm assembly and discard.
5. Install new center elevator balance weight arm assembly.
6. Paint elevator trim tab assemblies as required.
7. Balance complete elevator assembly, and record weights in logbook.
8. Reinstall elevator assembly on aircraft.
9. Check elevator rigging and travel.
10. Check elevator trim tab rigging and travel.
11. Check elevator trim tab free play.
12. Check elevator control system friction measurements.
13. Make appropriate logbook entry of compliance with this Special Advisory.

MATERIAL REQUIRED:

One (1) each Left Elevator Trim Tab, Piper Part  
Number 01045-12, one (1) each Right Elevator Trim Tab, Piper Part Number 01045-13  
and one (1) each Center Elevator Balance Weight Arm, Piper Part Number 02007-02,  
per aircraft.

ATA: 5526

AVAILABILITY OF PARTS: Your Piper Cheyenne Field Service Facility.

EFFECTIVITY DATE: This Special Advisory is effective upon receipt.

SUMMARY: Please contact your Piper Cheyenne Field Service Facility to arrange for compliance with this Service Release in accordance with Compliance Time, above.

Credit is available for material and up to sixteen (16) hours labor, and up to \$30.00 allowance for paint supplies when compliance is accomplished at an approved Cheyenne Field Service Facility. Comply with Product Condition/Compliance Report Procedure. The factory participation remains in effect for a period of time not to exceed 180 days from the date of this Service Release.

NOTE: If you are no longer in possession of this aircraft, please forward this information to the current owner/operator.