



PIPER CONSIDERS COMPLIANCE MANDATORY

FAA Approved

October 26, 1984

TO: Director of Maintenance

SUBJECT: Special Inspection of Fuel Quantity Probes

MODELS AFFECTED: PA-31T3 T-1040

SERIAL NUMBERS AFFECTED: 31T-8275001 through 31T-8275017 inclusive
31T-8275025, 31T-8375001 through 31T-8375003
inclusive, and 31T-8375005

COMPLIANCE TIME: Within the next ten (10) hours of operation.

PURPOSE: Inspect each T-1040 aircraft and verify that the Fuel Quantity Probe installation is in conformity with the current revision of the T-1040 Maintenance Manual (revised July 13, 1984). Refer to Chart 2805.

INSTRUCTIONS: Verification of the probe's identity may be accomplished by either of the following methods:

1. A capacitance check, with the tanks dry, that coincides with the respective values for each probe shown on the chart, i.e. 12.45 (pF)[±] 0.75 (pF) for the main inboard, or
2. A stamp on the probe body that shows the vendor model number and coincides with the proper location shown on the chart, i.e. PBA 1020-1 for the main inboard.

All aircraft must be in conformity with this chart and, if not, must be corrected prior to further flight by installing the correct fuel quantity probe in the proper location. A fuel quantity calibration check must also be performed by either of the following two methods:

1. A wet cal in accordance with the current revision of the T-1040 maintenance manual (page 3C19, revised July 13, 1984), or
2. A capacitance check of the entire system using the enclosed revised chart 2804 (revised October 25, 1984) for the scale error readings.

MATERIAL REQUIRED: Not Applicable

LABOR: Two (2.0) hours labor allowance for inspection of fuel quantity probe and calibration check.

Comply with Product Condition/Compliance Report Procedure.

(over)
ATA: 2840

SUMMARY: Upon completion of this inspection, please advise Piper Aircraft Corporation, Product Support, Lakeland, Florida by Telex (# 522410) or by mailgram the aircraft serial number and verification of the proper fuel quantity probe installation has been accomplished.