



SERVICE LETTER NO. 75-7
"FAA DOA EA-4 APPROVED"

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DATE: November 17, 1975
SUBJECT: IMPROVED FUEL LEVEL VISIBILITY
SERIALS AFFECTED: All Model AA-1 and AA-1A, and AA1B-0001 thru AA1B-0542
TIME OF COMPLIANCE: At owner's discretion.

GENERAL

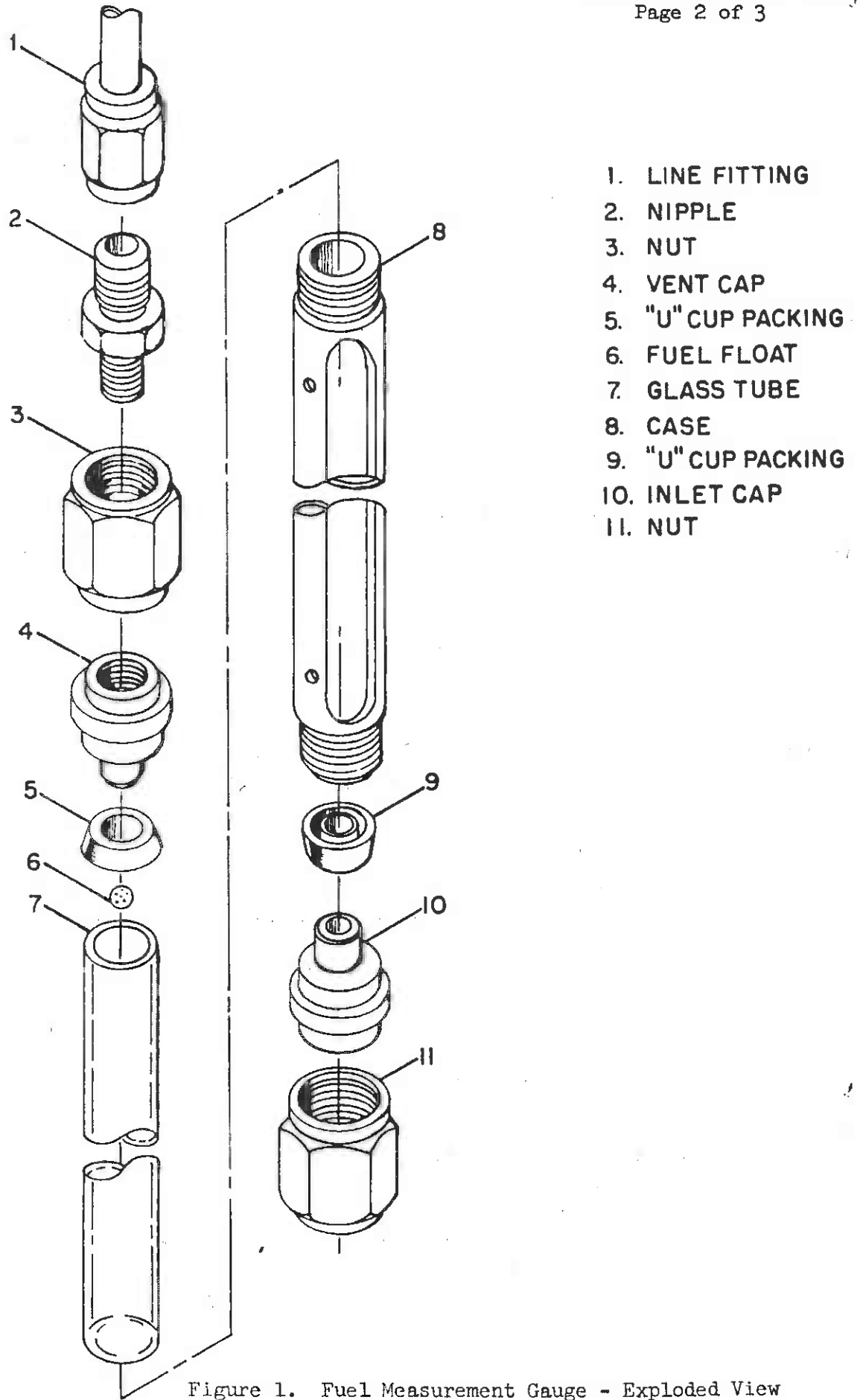
A red fuel float has been installed in the fuel measurement gauges of recent production aircraft to aid in determining fuel level when using the relatively colorless 100 octane fuel. Although some aviation oil companies may add purple dye to increase the visibility of 100 octane fuel, the float may be added to the aircraft serials affected by this Service Letter.

INSTALLATION INSTRUCTIONS (Refer to Figure 1)

WARNING

INSTALLATION OF THE FLOAT INVOLVES OPENING OF THE FUEL SYSTEM WITHIN THE COCKPIT. OBSERVE ALL AIRPORT AND OTHER APPLICABLE FIRE REGULATIONS CONCERNING DEFUELING AND FUEL SYSTEM MAINTENANCE.

1. Defuel both fuel tanks and gain access to the fuel measurement gauges by removing interior side panels and access panels on the underside of the wing root.
2. Disconnect the line fittings from the top of the gauges; and from inside the wing root, disconnect the measurement gauge fuel supply lines. Also, disconnect primer line on the right gauge.
3. Remove the two (2) screws in each of the four (4) clamps which mount the measurement gauges to the side panels.
4. The measurement gauges may now be disassembled on the bench and each component individually inspected.
5. Place one (1) 401129-5 Fuel Float in each gauge, install two (2) new 14.2 "U" Cup Packings and reassemble in the reverse order.



- 1. LINE FITTING
- 2. NIPPLE
- 3. NUT
- 4. VENT CAP
- 5. "U" CUP PACKING
- 6. FUEL FLOAT
- 7. GLASS TUBE
- 8. CASE
- 9. "U" CUP PACKING
- 10. INLET CAP
- 11. NUT

Figure 1. Fuel Measurement Gauge - Exploded View

NOTE

TO PREVENT PACKING DAMAGE FROM OVER TIGHTENING, ASSEMBLE PACKINGS TO CAPS AND PRESS ASSEMBLIES ONTO GLASS TUBE UNTIL THEY BOTTOM. RUN NUTS UP EQUALLY ON BOTH ENDS UNTIL CONTACT IS MADE WITH CAPS. COMPLETE ASSEMBLY BY TURNING EACH NUT 1/4 TURN TIGHTER.

6. Install fuel measurement gauges in aircraft and check for leaks. Install interior side panels and access panels on the underside of the wing root.

PARTS INFORMATION

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>KIT PRICE</u>
2	401129-5	Fuel Float	
4	14.2	"U" Cup Packing	\$5.00

Parts required for the above installation are available from your authorized Grumman American Aviation Corporation Dealer.

Since the improved fuel level visibility is a design improvement, no parts or labor allowance will be available for compliance with this Service Letter.

Price subject to change without notice.