

**SERVICE LETTER 78-2A**  
**"FAA (DER) APPROVED"**  
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**DATE:** 31 August 1978

**SUBJECT:** AA-5 SERIES FUEL SUMP TANK REPAIR

**SERIALS AFFECTED:** All AA-5, AA-5A and AA-5B models

**TIME OF COMPLIANCE:** Anytime quick drain or vent fitting threads are damaged.

**NOTE:** This Service Letter cancels and supersedes Service Letter 78-2 dated 14 August 1978.

GENERAL

Listed below is a repair technique that may be used to repair damaged 1/8" pipe threads at the quick drain valve or AN vent fitting location in the AA-5 series fuel sump tanks.

**NOTE:** Follow proper fuel system maintenance practices as authorized in Chapter 28 of the AA-5 series Maintenance Manual.

1. With quick drain valve or vent fitting removed, remove damaged threads with a 7/16" diameter drill. Avoid getting metal chips inside tank.
2. Tap the 7/16" diameter hole with a 1/4 - 18 National Pipe Thread Tap. Thread only deep enough to give leak tight threads between the sump tank flange and the reducer busing, when the reducer bushing is screwed into the flange to a depth of .21 inch. Avoid getting metal chips into the sump tank.
3. Apply Loctite No. 262 to the external threads only of a AN912-1 reducer bushing.
4. Install the AN912-1 reducer bushing and torque to 35 to 45 inch pounds.
5. Inspect the original drain valve or AN tank vent fitting for damage. If there is damage, replace the fitting or valve.

6. Apply thread sealant to the 1/8" pipe threads on the fitting or valve and torque to 30 to 40 inch pounds.
7. If the tank is pressure tested, do not exceed 3.5 p.s.i.

PARTS INFORMATION

Replacement quick drain valves or vent fittings are available from any authorized Grumman American Aviation Corporation Dealer or International Distributor.

The AN912-1 reducer bushing must be purchased from a local supplier.

GRUMMAN AMERICAN AVIATION CORPORATION



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REB:rjm