

**DEPARTMENT OF
TRANSPORTATION**

Federal Aviation Administration

14 CFR Part 39 [SN]

**Grumman American
AD 78-13-04
Amendment 39-3247
Effective June 30, 1978
Recurring: No**

[Docket No. ; Amendment 39-3247; AD 78-13-04]

Airworthiness Directives; Grumman American Aviation Models AA-1, AA-1A, and AA-1B Airplanes.

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

DATES: Effective June 30, 1978.

78-13-04 GRUMMAN AMERICAN AVIATION CORPORATION: Amendment 39-3247.

Applies to airplanes Models AA-1, AA-1A, all serial numbers, and AA-1B Serial Number AA-1B 0001 through AA-1B 0542, certificated in all categories.

Compliance required within next 200 hours in service after the effective date of this A.D. unless already accomplished.

To provide increased visibility and readability of the fuel measurement gauge and thereby to minimize the occurrence of unintentional fuel exhaustion in flight, accomplish the following.

- (a) 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.

Caution: Installation of the float involves opening of the fuel system within the cockpit. Observe appropriate safety practices concerning defueling and fuel system maintenance.

- (1) 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.
- (2) Remove the two (2) screws in each of the four (4) clamps which mount the measurement gauges to the side panels.

- (3) The measurement gauges may now be disassembled on the bench and each component individually inspected. **Figure 1** shows details of the gauge in an exploded view.

Figure 1: Fuel Measurement Gauge - Exploded View [[PDF with Figure](#)]

- (4) Place one (1) Grumman Part Number 401129-5 Fuel Float in each gauge, install two (2) new Part Number 14.2 “U” Cup Packings and reassemble in the reverse order.

Note: To prevent 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.

- (5) Install fuel measurement gauges in aircraft and check for leaks. Install interior side panels and access panels on the underside of the wing root.
- (b) For the purpose of this A. D. this float fuel gauge is not considered an instrument as defined in FAR 1. Therefore, this modification may be accomplished by an appropriately certificated mechanic or repair station notwithstanding the limitations of FAR 65.81(a) and FAR 145.53.
 - (c) An equivalent method of complying with this A. D. is provided by complying with **Grumman American Aviation Corporation Service Letter 75-7** dated November 17, 1975. Alternate methods of complying with this A. D. may be used if approved by the Chief, Engineering and Manufacturing Branch, Federal Aviation Administration, Southern Region, Atlanta, Georgia.
 - (d) An airplane may be flown in accordance with FAR 21.197 to a base for the accomplishment of the modifications required by this A. D.

This amendment becomes effective June 30, 1978.

Manufacturer's Service Information:

[Grumman American Aviation Corporation Service Letter 75-7](#)