

SERVICE BULLETIN NO. 143

DATE: December 5, 1974

SUBJECT: United Altimeter

SERIALS AFFECTED: All Model AA-1 and AA-1A, AA1B-0001 thru AA1B-0449, AA1B-0451, AA1B-0452, AA1B-0454 thru AA1B-0460, AA1B-0463 thru AA1B-0470, AA1B-0472, AA1B-0479, AA1B-0480, AA1B-0483, AA1B-0485 and AA1B-0486.

AA5-0001 thru AA5-0659, AA5-0661 thru AA5-0664, AA5-0666 thru AA5-0675 and AA5-0680.

TIME OF COMPLIANCE: Item 1. Within the next 10 hours time in service
Item 2. Prior to further flight
Item 3. On or before November 30, 1976

GENERAL

FAA Airworthiness Directive No. 74-24-13 United Instruments, Inc. has been issued against the subject altimeter and requires compliance to prevent being deprived of altimeter readings during certain aircraft operating conditions. Since this altimeter has been installed as original equipment in the majority of the aircraft serials affected, each Item of this Service Bulletin must be accomplished within the compliance time indicated.

Attached is United Instruments, Inc. Service Bulletin No. 1, "Amendments to Overhaul Manual," that covers the modification to prevent being deprived of altimeter reading during certain aircraft operating conditions.

ITEM 1

On the aircraft serials affected, check each altimeter or the aircrafts permanent maintenance record to determine if the altimeter falls within the part number and serial number designations listed below:

<u>Part Numbers</u>	<u>Altimeter Serial Numbers</u>
5932. ()	47,851 thru 69,000
5934 ()	70,000 thru 102,000
	A1 thru A9999
	B1 thru B9999
	C1 thru C2860

If, as a result of the check performed in Item 1, an altimeter falls within the part number and serial number designations, comply with Items 2 and 3.

N O T E S

1. ITEMS 2 AND 3 NEED NOT BE ACCOMPLISHED, IF THE CHECK PERFORMED IN ITEM 1 INDICATES THAT THE ALTIMETER FALLS OUTSIDE THE PART NUMBER AND SERIAL NUMBER DESIGNATIONS.
2. AFFECTED AIRCRAFT WITH TWO PROPERLY OPERATING ALTIMETERS THAT ARE INCLUDED IN THE PART NUMBER AND SERIAL NUMBER DESIGNATIONS, MAY OPERATE WITHOUT RESTRICTIONS UNTIL NOVEMBER 30, 1976. THEREAFTER, ITEM 3 MUST BE ACCOMPLISHED.

ITEM 2

Install a placard on the instrument panel in clear view of the pilot, which states: "AIRCRAFT APPROVED FOR DAY VFR FLIGHT ONLY."

ITEM 3

On or before November 30, 1976, either replace the altimeter with an approved replacement part, an altimeter from outside the designated serial numbers, or modify the existing altimeter in accordance with the United Instruments, Inc. Service Bulletin No. 1, dated September 19, 1974, or subsequent approved revisions. Upon compliance with this Item, the requirements of Item 2 are no longer applicable.

PARTS AND CREDIT INFORMATION (AFFECTED ALTIMETERS)

As noted in Item 3, a number of options are available, to allow removal of the placard indicated in Item 2. These options and available credit information are listed below:

1. Affected altimeters installed in aircraft serial numbers AALB-0238 and on, and AA5-0406 and on (1974 and 1975 aircraft) may be returned directly to United Instruments, Inc. at the address shown below, for no cost repair or exchange. The altimeter must be properly packaged to prevent shipping damage and the aircraft model, year and serial number are to be indicated.

United Instruments, Inc.
2415 So. Glendale
Wichita, Kansas 67210

To minimize downtime, altimeters may be ordered from United Instruments, however, an invoice will be issued for the altimeter (see applicable parts catalog for correct part number.) Credit for this altimeter will be issued upon receipt of the original altimeter at United Instruments, provided the altimeter was removed from an aircraft indicated in the above paragraph.

The terms of this option will remain in effect until November 30, 1976.

2. Pending availability, altimeters will be available from your authorized Grumman American Aviation Corporation Dealer at a price of \$187.00(E). A full parts credit will be available for altimeters removed from aircraft serial numbers AA1B-0238 and on, and AA5-0406 and on (1974 and 1975 aircraft), provided a completed Warranty Claim Form No. GAA-740 is submitted to the factory prior to November 30, 1976 for credit allowance. A removal and installation labor allowance of \$10.00 maximum/altimeter will also be allowed.
3. Affected altimeters installed in aircraft serial numbers AA1B-0238 and on, and AA5-0406 and on (1974 and 1975 aircraft) may be modified by a Certified Instrument Repair Station. A warranty allowance of \$20.00 maximum/altimeter, plus removal and installation labor of \$10.00 maximum/altimeter may be submitted to United Instruments, Inc. for payment, provided a copy of the paid work order and the aircraft model, year and serial number are included along with altimeter part number and serial number.

As an alternative, credit as indicated above, may be obtained by submitting a completed Warranty Claim Form No. GAA-740 to Grumman American Aviation Corporation. A copy of the paid work order and altimeter part number and serial number must be included.

The terms of this option will remain in effect until November 30, 1976.

1

4. Affected altimeters installed in aircraft serial numbers prior to AA1B-0238 and AA5-0406 may be returned to United Instruments or Instrument Flight Research (see below for address) for modification. A nominal charge for the modification will be made. The altimeter must be properly packaged to prevent shipping damage and the aircraft model, year and serial number should be indicated. Altimeters also may be modified by a local Certified Instrument Repair Station. Credit for the modification and removal and installation labor will not be covered on any aircraft prior to AA1B-0238 and AA5-0406.

Instrument Flight Research
2615 George Washington Blvd.
Wichita, Kansas 67210

Prices subject to change without notice.

GRUMMAN AMERICAN AVIATION CORPORATION

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Distribution (A)