MidContinent™
INSTRUMENTS+AVIONICS
Wichita, Kansas USA

Service Bulletin

Electric Attitude Indicator
4300 Series
Modification 1
Improves circuit reliability

1. PLANNING INFORMATION

A. Effectivity:

This service bulletin is applicable to 4300 Series Electric Attitude Indicators manufactured by Mid-Continent Instrument Co., Inc. It applies to units manufactured prior to November 1, 2004, serial numbers previous to L04-XXXXX.

B. Reason:

To improve circuit reliability under certain high voltage conditions.

C. Description:

This service bulletin replaces the 4300 Pump PCB Assembly, P/N 9015638 Rev. H and previous.

D. Compliance:

This modification is highly recommended.

E. Approval:

FAA and TSO approval not affected.

F. Manpower:

.25 man-hours, not including testing.

G. Material – Cost and Availability:

The parts and materials necessary to accomplish this service bulletin are available from Mid-Continent Instruments, Inc. Refer to Section 3, Material Information for part numbers. Check for current pricing.

H. Tooling:

No special tooling required.

I. Weight and Balance:

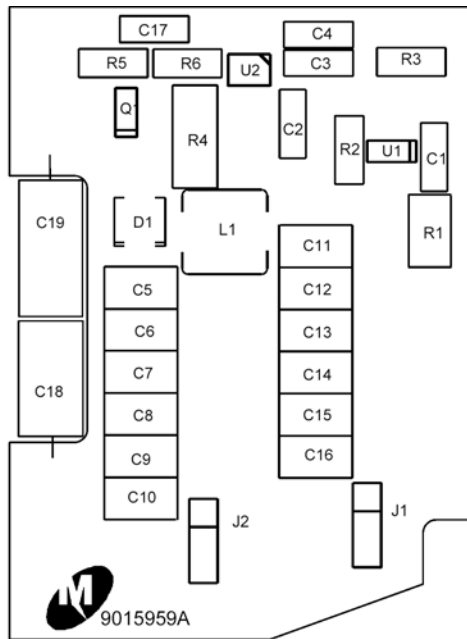No change.

J. Electrical load data:

No change.

K. Other Publications affected:

None.

2. **ACCOMPLISHMENT INSTRUCTIONS:**

A. Refer to the 4300-XXX Component Maintenance Manual for part locations and disassembly instructions.

B. Refer to Figure 1 of this Service Bulletin for a physical identification of the 4300 Pump PCB Assembly, Modification 1.

C. Remove and replace the old 4300 Pump PCB Assembly.

D. Assemble unit and perform the tests called out in the 4300-XXX Component Maintenance Manual (page 201, Testing and Fault Isolation).

E. Using permanent black ink, mark out block 1 on the modification section of the mfg. nameplate.

4300 Pump PCB Assembly, Modification 1
Figure 1

3. **MATERIAL INFORMATION**

Parts:

New P/N	Qty.	Description	Old P/N	Disposition
9015638-1	1	PCB Assy., 4300 Pump (For units with no battery)	9015638-1 Rev. H and previous.	Discard
9015638-2	1	PCB Assy., 4300 Pump (For units with battery)	9015638-2 Rev. H and previous.	Discard