

# Service Information Letter

SIL MD200 SERIES-01

## **Course Deviation Indicator**

MD200 Series

One-piece unit cover

### **1. PLANNING INFORMATION**

#### A. Effectivity

This service information is applicable to the MD200 Series Course Deviation Indicators manufactured by Mid-Continent Instrument Co., Inc. This service is optional if the two-piece cover is in good condition and can be reused. However, this service must be performed on any MD200 series unit that has a two-piece cover damaged beyond repair.

#### B. Reason

Ease of production and repair.

#### C. Description

This information letter performs a change to the Cover Assembly. It replaces the 8017469-1 Cover, Top and 8017469-2 Cover, Bottom with a one-piece cover.

- Replacement Cover Part Number 9013335-1 for units with one connector, 25 pin (J1).
- Replacement Cover Part number 9013335-2 for units with two connectors, 25 pin (J1) and 9 pin (J2).

#### D. Approval

FAA and TSO approval not affected

#### E. Manpower

This Service Information Letter may be accomplished and unit tested in approximately 0.25 person-hours.

#### F. Material – Cost and Availability

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

#### G. Tooling

- PH1x60, Phillips head screwdriver.
- 3/16 Nut driver

#### H. Weight and Balance

No change.

#### I. Electrical load data

No change.

#### J. Other Publications affected

None.

### **2. ACCOMPLISHMENT INSTRUCTIONS**

- #### A. Remove tape from joints and discard.

- B. Remove six (6) screws (7010515 Screw, 2-56x5/32 Flt Phil) from front of cover and discard.
- C. Remove four (4) screws (6011092 Screw, 2-56x3/16 Pan Phil Blk) from rear of cover and discard.
- D. Remove 8017469-1 Cover, Top and 8017469-2 Cover, Bottom. Note unit part number and serial number. Discard nameplate. (A replacement nameplate may be ordered from Mid-Continent Instruments in addition to a new cover).
- E. Remove six (6) screws (7017676 Screw, 4-40x3/16 Pan Phil Blk) that hold on Backplate (8015422-1 or 8015422-2). Save screws but discard the backplate.
- F. Remove four (4) standoffs (8017535 Standoff, 4-40x3/16 MF SS) from the corners of the PC Board and discard.
- G. Install four (4) of the six (6) screws (7017676) removed earlier to reattach the PC Board.
- H. Carefully slide on replacement cover (9013335-1 or 9013335-2).
- I. Secure cover using two remaining screws (7017676).
- J. Wrap the joint between the cover and the bezel with tape (8017360).
- K. Attach new nameplate to top of cover in the same orientation as the old nameplate.
- L. Test unit i/a/w test specification TDS155 for MD200-2XX AND TDS160 for MD200-3XX.

### 3. MATERIAL INFORMATION

Install New	Qty.	Description	Discard	Reuse
9013335-1 or 9013335-2	1	Cover	8017469-1 and 8017469-2	
	1	Backplate	8015422-1 or 8015422-2	
	6	Screw 2-56x5/32 Flt Phil	7010515	
	4	Screw 2-56x3/16 Pan Phil Blk	6011092	
	6	Screw 4-40x3/16 Pan Phil Blk		7017676
8017360	A/R	Tape, Acetate Cloth Blk		
Call factory with unit P/N and S/N	1	Nameplate		