

Service Bulletin

SB MD200 SERIES-01

Course Deviation Indicator

MD200 Series

Modification 1

Improves installation fit in some aircraft

1. PLANNING INFORMATION

A. Effectivity

This service bulletin is applicable to MD200 Series Course Deviation Indicators manufactured by Mid-Continent Instrument Co., Inc. It applies to units manufactured prior to 12/14/99.

B. Reason

In some aircraft there may be a clearance problem in mounting these units because the eccentric bushing and shaft boss on bezel are too large. This can cause the OBS knob to bind when setting the dial.

C. Description

This service bulletin performs a change to the Bezel Assembly, P/N 801735. Bezel, 3", part number 8014177-1 replaces Bezel 3", part number 8014177. Eccentric Bushing, part number 8015513-3 replaces Eccentric Bushing part number 8015513-1. This will resolve clearance problem.

This modification is optional based on individual operator request. Units returned to the factory for overhaul will have this modification performed.

D. Approval

FAA and TSO approval not affected

E. Manpower

This service bulletin may be accomplished and unit tested in approximately 0.25 man-hours.

F. Material – Cost and Availability

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

- G. Tooling
#1 Flat head screwdriver, .048 and .060 spline wrenches.
- H. Weight and Balance
No change.
- I. Electrical load data
No change.
- J. Other Publications affected
None.

2. ACCOMPLISHMENT INSTRUCTIONS

- A. Remove 4 bezel screws and carefully remove bezel from unit.
- B. Pull firmly to remove Knob.
- C. Loosen 2 set screws in Knob Shaft Spacer and Bezel.
- D. Remove Knob Shaft, Knob Shaft Spacer and Washers.
- E. Remove 4 Screws, Keyed lock washers and washers holding in glass. Remove Stainless Spacer, Black Delrin spacer, Glass Wedge & Rubber spacer.
- F. Reinstall all parts in replacement Bezel 3" (*See Overhaul Manual for reassembly*)
- G. Clean glass and reinstall Bezel Assembly on unit, making sure Knob shaft gears mesh properly and knob turns smoothly without grinding.
- H. Test unit i/a/w test specification TDS155 for MD200-2XX AND TDS160 for MD200-3XX.
- I. Identify service bulletin completion by blacking out Mod "1" on bottom of ID nameplate.

3. MATERIAL INFORMATION

- A. Parts

New P/N	Qty.	Description	Old P/N	Disposition
8014177-1	1	Bezel 3"	8014177	Discard
8015513-3	1	Bushing, Eccentric	8015513	Discard