

Service Information Letter

SIL 4300-XXX-06

Electric Attitude Indicator

4300-XXX Series

Pitch indicator

1. PLANNING INFORMATION

A. Effectivity

This service information is applicable to the 4300-XXX Series Electric Attitude Indicators manufactured by Mid-Continent Instrument Co., Inc. prior to the date of this service information letter

B. Reason

To notify persons performing maintenance of a product improvement to the pitch indicator attachment method. It has been determined by MCI Engineering during accelerated high vibration reliability testing that the possibility of a pressure crack could develop in the pitch indicator in the area of the screws used to secure the pitch indicator to the pitch indicator arms.

C. Description

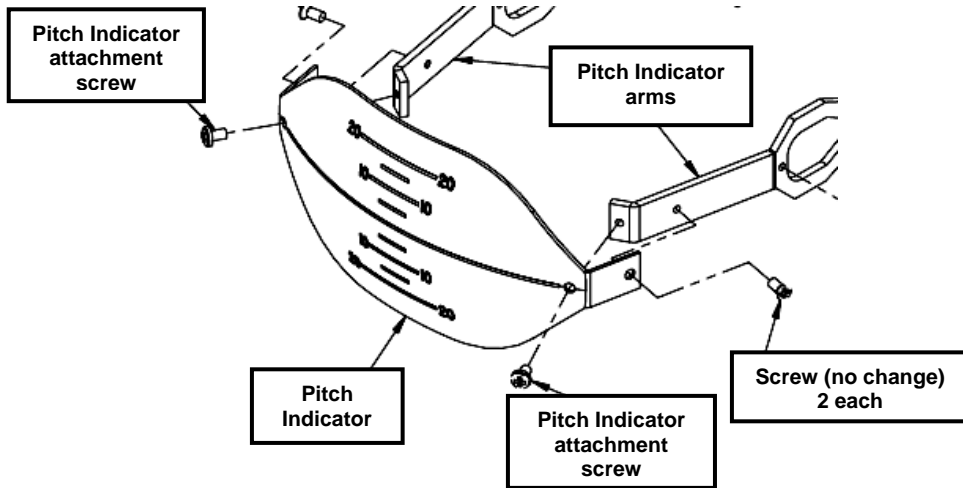
This information letter is an addendum to MCI 34-20-42, 4300-XXX Overhaul Manual. This SIL requires the inspection, during the next maintenance action, of the screws used to attach the pitch indicator to the pitch indicator arms. This change will be incorporated into future revisions of the Overhaul Manual.

D. Planning

While performing maintenance on any 4300-XXX Series Electric Attitude Indicator the two front attachment screws that secure the pitch indicator to the pitch indicator arms should be checked for head type. If the screws are flat head they should be replaced with the pan head screws listed in the materials section of this SIL.

In addition, check the area around the screws to insure that there has been no cracking of the pitch indicator. If cracking is observed it is suggested that the pitch indicator listed in the material section of the SIL also be replaced.

If the screws are pan head no further action is needed.



E. Material

MCI P/N	DESCRIPTION	QUANTITY
90-003-00010	Screw, 0-80X3/32, Pan, Phil, Bk (replaces 8013385, 90-004-10010)	2
9015593	Pitch Indicator, Standard (shown)	1
9015741	Pitch Indicator, High Resolution	

F. Other Publications

34-20-42, 4300-XXX Overhaul Manual.