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SERVICE INFORMATION LETTER

Microphone Alignment Bushing Replacement for the Cockpit Voice Recorder Microphone Monitor

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SERVICE INFORMATION LETTER

Transmittal Information

Publication Number D201709000024

Summary

This is the INITIAL release.

Revision History

This service information letter has had no revision(s) as shown in Table 1.

Table 1. Revision History

Revision Number	Revision Date
0	3 Oct 2017

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1. General Information

A. **Effectivity**

- (1) This service information letter is applicable to all Cockpit Voice Recorder Microphone Monitor units that follow: PN 980-6116-001, -002, -003, -004, -005 and -006.

B. **Applicability**

- (1) This service information letter is only applicable to equipment received from Original Equipment Manufacturers or equipment received from in-service aircraft. The aircraft tail number should be provided, as applicable. This service information letter is not applicable to excess equipment and equipment removed from parked or dismantled aircraft.

C. **Reason**

- (1) This service information letter is issued to notify customers that Honeywell recommends that the Alignment Bushing, PN 638-0256-001, be replaced on all PN 980-6116-00X, Cockpit Voice Recorder Microphone Monitor units with alignment bushings that are aged greater than six years.
- (2) There have been a small number of the alignment bushings that have failed or exhibited some degree of decomposition in some fielded microphone monitors resulting in repairs due to a combination of environmental conditions and aging of the alignment bushing material. Replacement of the alignment bushing with a new part at a maximum of six year intervals will greatly reduce the risk of repeat failures.
- (3) **Problem**
 - (a) Airlines have reported that they have had several instances of a black sticky substance emanating from around the Area Microphone which is located on the front panel of the Cockpit Voice Recorder Microphone Monitor.
- (4) **Solution**
 - (a) Replacement of the PN 638-0256-001 alignment bushing with a new part at a maximum of six year intervals, will greatly reduce the risk of repeat failures. Honeywell recommends that the Alignment Bushing, PN 638-0256-001 be replaced on an attrition basis at shop visit.

D. **References**

- (1) To find, see, and download Honeywell Technical Publications, go to www.myaerospace.com.
 - Component maintenance manual (CMM), ATA Number 23-70-43 (Publication Number 012-0666-001), Revision 7, MICROPHONE MONITOR.

E. **Summary**

At all authorized service centers, Honeywell recommends the actions that follow:

- (1) Inspect and replace the alignment bushing, PN 638-0256-001 aged greater than six years.
- (2) If the alignment bushing is aged more than six years as identified in the service records of the unit, the alignment bushing will be replaced.

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- (3) If the service centers are unable to determine the age of the alignment bushing, the alignment bushing will be replaced.
- (4) If the alignment bushing is readily accessible as a result of other unit repairs, the alignment bushing will be replaced regardless of its age.
- (5) Compliance with this service information letter will be recorded on the service report, and the GAM/SAP system in accordance with standard practice.
- (6) Replacement of alignment bushing with greater than six years' service life will be replaced on a chargeable basis. Units under warranty or returned for verified bushing issue will have this service information letter incorporated on a free of charge basis.

F. Action

This service information letter recommends the following inspection and/or repair actions on all Cockpit Voice Recorder Microphone Monitor units, PN 980-6116-00X, when the units are returned to a Honeywell authorized service center for any reason:

- (1) Replace the alignment bushing, PN 638-0256-001, in accordance with the applicable CMM for the Cockpit Voice Recorder Microphone Monitor if the alignment bushing has not been replaced within the last six years from the current date.
- (2) If replacement of the alignment bushing cannot be determined, replace the alignment bushing, PN 638-0256-001, in accordance with the applicable CMM for the Cockpit Voice Recorder Microphone Monitor.
- (3) If the unit is in for service and is already disassembled sufficiently to access the alignment bushing as a part of any other service action, replace the alignment bushing, PN 638-0256-001, in accordance with the applicable CMM for the Cockpit Voice Recorder Microphone Monitor as a precautionary measure regardless of the age of the alignment bushing.
- (4) When the alignment bushing is replaced in accordance with this service information letter, log the replacement of the alignment bushing on the service report and the GAM/SAP system in accordance with standard practice.

G. Contact Information

- (1) The Honeywell Aerospace Technical Support (ATS) team can be contacted for additional information on this service information letter.

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