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V2500-A5 SERIES PROPULSION SYSTEM NON-MODIFICATION SERVICE BULLETIN

Printed in Great Britain

This document transmits Revision 1 to Service Bulletin EV2500-72-0521

Document History

Service Bulletin Revision Status
Initial Issue Feb.6/06

Supplement Revision Status

Bulletin Revision 1

Remove
All pages of the
Service Bulletin

Incorporate
Pages 1 to 3 of the
Service Bulletin

Reason for change
Typing correction section
1.B. Reason (1)

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CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 1 are as follows:

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ENGINE – VALVE RING ASSEMBLY – REPLACEMENT OF SEAL WHICH MAY BE DETACHED FROM VALVE
RING ASSEMBLY – NON-MODIFICATION SERVICE BULLETIN NON

1. Planning Information

A. Effectivity

(1) Airbus A319

(a) V2522-A5, V2524-A5 Engine Serial Nos. within the range V11050 to V11857

(2) Airbus A320

(a) V2527-A5, V2527E-A5 Engine Serial Nos. within the range V11050 to V11857

(3) Airbus A321

(a) V2530-A5, V2533-A5 Engine Serial Nos. within the range V11050 to V11857

B. Reason

(1) Problem

Seal detachment of Valve Ring Assembly may occur from V11050 to V11857 due to insufficient adhesive thickness between seal and Valve Ring Assembly. Seal detachment may cause EGT deterioration and 2.5 Bleed Valve System Stuck Open.

(2) Background

Seal detachments of Valve Ring Assembly have been reported since July 2002. As a result of investigation, the cause of seal detachment is insufficient adhesive thickness between seal and Valve Ring Assembly at production. Check of manufacturing record revealed that Valve Ring Assemblies with insufficient adhesive thickness were installed into V11050 to V11857.

(3) Objective

Replace seal for Valve Ring Assembly on V11050 to V11857.

C. Compliance

Category Code 6

Accomplish when the sub-assembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part.

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Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

D. Approval

The compliance statement at 1.C. and the procedures in section 3 of this Non-Modification Service Bulletin, comply with the Federal Aviation Regulations and are FAA-APPROVED for the Engine Models Listed.

E. References

- (1) Internal Reference No.05VJ641
- (2) ATA Locator - 72-32-00
- (3) V2500 Engine Manual (EM)(E-V2500-1IA), Chapter/Section 72-32-72-100-001, Cleaning
- (4) V2500 Engine Manual (EM)(E-V2500-1IA), Chapter/Section 72-32-72-200-002, Inspection
- (5) V2500 Engine Manual (EM)(E-V2500-1IA), Chapter/Section 72-32-72-300-006, Repair 005 (VRS 1751)
- (6) V2500 Engine Manual (EM)(E-V2500-1IA), Chapter/Section 72-32-70, Assembly-01 Config-2

2. Material Information

None.

3. Accomplishment Instructions

A. Action

- (1) Clean the Valve Ring Assembly. Refer to EM 72-32-72-100-001 Cleaning.
- (2) Inspect the Valve Ring Assembly. Refer to EM 72-32-72-200-002 Inspection.
- (3) Replace seal of the Valve Ring Assembly. Refer to EM 72-32-72-300-006, Repair 005 (VRS 1751)

NOTE: It is not required to replace the seal in accordance with this NMSB if it is confirmed that seal has been replaced from Valve Ring Assembly at previous shop visit and seal detachment is not found in 3.A.(2).

B. Assembly Instructions

- (1) Install the Valve Ring (72-32-72, 02-100) on to the Support Ring. Refer to EM 72-32-70, ASSEMBLY-01, CONFIG-2, Page 1001.

C. Recording Instructions

- (1) A record of accomplishment is necessary.