

SERVICE BULLETIN

NON-MODIFICATION SERVICE BULLETIN — ENGINE — BIFURCATION PANEL FIRE
SEAL — INSPECTION FOR NON-CONFORMING SEALS

MODEL APPLICATION

V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2533-A5

BULLETIN ISSUE SEQUENCE

V2500 Series 72-0656

ATA NUMBER

72-38-25

IAE PROPRIETARY INFORMATION

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

Compliance Category

4

P&W Distribution Code

V2500

February 12/15

V2500-ENG-72-0656

Summary

The purpose of this Service Bulletin is to provide a onetime inspection of the bifurcation panel fire seals on a select engine population. Non-conforming fire seals will be replaced.

Planning Information

Effectivity Data

Engine Models Applicable

V2524-A5, V2527M-A5, V2527-A5, V2527E-A5, V2533-A5
Engine Serial Nos. See Table 1.

Table 1 — Engine Serial Numbers For Engines With Suspect Bifurcation Fire Seals

V10479	V16512	V15418	V16700
V11763	V11227	V12555	V11371
V16468	V16538	V15041	V10609
V15406	V16552	V12546	V12525
V16478	V11792	V16654	V16762
V10136	V11619	V11418	V11166
V16486	V16580	V11428	V16744
V12538	V11558	V16672	V12794
V10221	V16594	V16676	V16784
V12553	V16604	V16682	V11973
V16122	V11765	V12189	V16792
			V16798

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: Small cuts on the bifurcation panel fire seals have been detected on a population of production and service engines.
2. Background: Investigation has revealed the damage was caused by sharp edges on metallic Lip-Seal (Slave C-Duct) at a test stand. As part of containment the Lip-Seal was already reworked to avoid further issues.
3. Objective: Provide instruction to inspect and as necessary repair the bifurcation panel fire seals.
4. Substantiation: The impact of a non-conforming bifurcation panel fire seal is a reduced ability to provide a separation of atmospheres. The inspection and repair as necessary will insure that the bifurcation panel fire seal will function as intended.
5. Effects of Bulletin on:
Removal/Installation: Not affected

February 12/15

V2500-ENG-72-0656

Page 2

Disassembly/Assembly: Not affected.

Cleaning: Not affected.

Inspection/Check: Not affected.

Repair: Not affected.

Testing: Not affected.

6. Supplemental Information

None.

Description

Do a one-time inspection of the bifurcation panel fire seals.

Compliance

Category 4

Accomplish at the first visit of an engine or module to a maintenance base capable of compliance with the accomplishment instructions regardless of the planned maintenance action or the reason for engine removal.

Bifurcation panel fire seals which have been returned for repair or verification to meet the intent of this Non-Modification Service Bulletin (NMSB) from August 1st, 2014 onward shall be considered accomplished. Update records to reflect compliance to the intent of this NMSB.

NOTE: Service Bulletin incorporation on engines installed on aircraft may be desirable and should be individually evaluated

Approval Data

The part number changes and/or part modifications specified in the Accomplishment Instructions and Material Information sections of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model(s) given.

The compliance statement and the procedures described in this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model listed.

The technical content under the JAR25 regulation of this document is approved under the authority of DOA Ref. EASA.21J.031.

Manpower

1. In Service

To gain access: 20 mins

To replace seals: 2 hrs

To cure sealant: 12 hrs

Total Necessary Man-hours: 14 hrs 20 mins

2. At Overhaul

To replace seals: 2 hrs

To cure sealant: 12 hrs

Total Necessary Man-hours: 14 hrs

Weight and Balance

1. Weight Change

None.

2. Moment Arm

No Effect.

3. Datum

Engine Front Mount Centerline (Power Plant Station (PPS) 100)

Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

Software Accomplishment Summary

Not Applicable.

References

NOTE: In 2014 IAE converted the V2500 Technical Publications to a new system. As a result of the conversion, some manuals were consolidated. All manuals received new P&W part numbers. To facilitate the use of this Service Bulletin, a Technical Publications conversion table is provided in the Appendix.

1. ATA Locator — 72-38-25.
2. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 72-38-25.
3. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 72-38-25.
4. Airbus Aircraft Maintenance Manual (AMM), Chapter/Section 72-38-25.

Other Publications Affected

1. None

Interchangeability of Parts

Not Applicable.

Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Added Data (Yes)

Revision to Table of Limits (No)

Inspection Procedures (No)

Material Information

Material — Price and Availability

1. There is no kit provided to do this Service Bulletin.

Industry Support Program

Not Applicable.

The material data that follows is for each engine.

This Non-Modification Service Bulletin is for inspection and replacement as necessary, the Bifurcation Panel Fire Seals, PN ARM1315 and PN ARM1316.

For V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2533-A5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
	1	*	PANEL — WHOLE ASSEMBLY BIFURCATION	6A7930 (72-38-25-01-300)	(4)(X)
	1	*	.SEAL, BIFURCATION	ARM1315 (72-38-25-01-404)	(4)(X)
	1	*	.SEAL, BIFURCATION	ARM1316 (72-38-25-01-405)	(4)(X)
	1	*	.CLIP — LEFT HANDED	6A7931 (72-38-25-01-454)	(4)(X)
	1	*	.CLIP — RIGHT HANDED	6A7932 (72-38-25-01-456)	(4)(X)
	2	*	.CLIP — STRAIGHT HANDED	6A7933 (72-38-25-01-458)	(4)(X)

Instructions/Disposition Code Statements:

Parts Modification Conditions

Estimated part prices are provided when they are available at time of publication. The Estimate of Unit Price is only for planning purposes and does not constitute a firm quotation. An asterisk (*) is shown where part pricing information was unavailable. In either case, contact IAE Spares for firm quotations.

- (4) Do an inspection as specified in the Accomplishment Instructions.

Spare Parts Availability

- (X) See Reference 2, Illustrated Parts Catalog for applicable replacement parts.

Vendor Services or Special Components/Materials

Not Applicable.

Tooling — Price and Availability

Special tools are not required to accomplish this Service Bulletin.

Reidentified Parts

Not Applicable.

Other Material Information Data

Not Applicable.

Accomplishment Instructions

For Engines Installed on The Aircraft

NOTE: Service bulletin incorporation on engines installed on aircraft may be desirable and should be individually evaluated.

WARNING: DO NOT TOUCH THE ENGINE COMPONENTS FOR A SHORT TIME AFTER THE ENGINE IS SHUT DOWN. THE COMPONENTS CAN STAY HOT FOR UP TO 1 HOUR AND CAN CAUSE INJURY.

1. Do an inspection of the Bifurcation Panel Fire Seal, PN 6A7930 as specified in Reference 4, AMM Inspection Task 72-38-25-200-010-A, perform Reference 4, AMM repair VRS6536 as necessary.
2. Recording Instructions
 - A. A record of accomplishment is required.

For Engines Removed from The Aircraft

1. Do an inspection of the Bifurcation Panel Fire Seal, PN 6A7930 as specified in Reference 3, EM Inspection Task 72-38-25-200-01-B00, Subtask 72-38-25-220-053, perform Reference 3, EM repair VRS9536 as necessary.
2. Recording Instructions
 - A. A record of accomplishment is required.

AppendixAdded DataInternal Reference Information

Revision No.	Reference Document	Origination
Original	EC14VR513 EC14VC223 EC14VC258 EA14VC259	JP/IEL

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Technical Publications Cross Reference Table

Publication	Engine Model(s)	IAE IETM Pub Ref	P&W Part Number
ENGINE MANUAL — A1, A5	All	E-V2500-1IA	2A4407
EIPC — A5	V2522/V2524/V2527M-AQ02	S-V2500-6IA	2A4428
	V2522/V2524/V2527M-AQ03	S-V2500-6IB	
	V2522/V2524/V2527M-SQ02	S-V2500-6SA	
	V2522/V2524/V2527M-SQ03	S-V2500-6SB	
	V2522/V2524/V2527M-SQ04	S-V2500-6NA	
	V2522/V2524/V2527M-SQ05	S-V2500-6NB	
	V2527/V2527E-AQ02	S-V2500-7IA	
	V2527/V2527E-AQ03	S-V2500-7IB	
	V2527/V2527E-SQ02	S-V2500-7SA	
	V2527/V2527E-SQ03	S-V2500-7SB	
	V2527/V2527E-SQ04	S-V2500-7NA	
	V2527/V2527E-SQ05	S-V2500-7NB	
	V2530-AQ02	S-V2500-2IA	
	V2530-AQ03	S-V2500-2IB	
	V2530-SQ02	S-V2500-2SA	
	V2530-SQ03	S-V2500-2SB	
	V2530-SQ04	S-V2500-2NA	
	V2530-SQ05	S-V2500-2NB	
	V2533-AQ02	S-V2500-5IA	
	V2533-AQ03	S-V2500-5IB	
	V2533-SQ02	S-V2500-5SA	
	V2533-SQ03	S-V2500-5SB	
	V2533-SQ04	S-V2500-5NA	
	V2533-SQ05	S-V2500-5NB	