

SERVICE BULLETIN

ENGINE — LP COMPRESSOR — INTRODUCTION OF NEW FAN CASE ASSEMBLY
WITH NEW ACOUSTIC LINING PRIMER

MODEL APPLICATION

V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5

BULLETIN ISSUE SEQUENCE

V2500 Series 72-0691

ATA NUMBER

72-32-85

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Compliance Category

7

P&W Distribution Code

V2500

October 11/17

V2500-ENG-72-0691

Summary

The purpose of this Service Bulletin is to provide a new part number for the fan case assembly that incorporates acoustic linings with a new primer for the titanium skin and aluminum honeycomb.

Planning Information

Effectivity Data

Engine Models Applicable

V2522-A5, V2524-A5, V2527M-A5, V2527-A5, V2527E-A5, V2530-A5, V2533-A5
Engine Serial Nos. V10001 thru V13190
Engine Serial Nos. V15001 thru V18751

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: Supply of the current primer used to bond the titanium skin and aluminum honeycomb of the fan case acoustic linings has been discontinued.
2. Background: Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), a regulation of the European Union, has restricted the use of a material used in the primer.
3. Objective: This Service Bulletin introduces a new fan case assembly that is manufactured in compliance with the REACH regulation.
4. Substantiation: The changes introduced by this Service Bulletin were subject to satisfactory engineering analysis and tests. This Service Bulletin complies with the applicable engine certification basis.
5. Effects of Bulletin on:
Removal/Installation: Not Affected.
Disassembly/Assembly: Not Affected.
Cleaning: Not Affected.
Inspection/Check: Not Affected.
Repair: Not Affected.
Testing: Not Affected.
6. Supplemental Information
None.

Description

This Service Bulletin introduces a new fan case that incorporates acoustic linings with a new primer.

Compliance

Category 7

Accomplish when supply of superseded parts has been depleted.

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 aircraft Type Certificate (TC) holder has been informed of this change.

Manpower

1. In Service
..... Not Applicable.
2. At Overhaul
..... Not Applicable.

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 — 72-32-85.
2. Internal Reference No. — 17VJ001.
3. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 72-00-00.
4. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 72-32-85.
5. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 72-32-00 and 72-32-85.
6. V2500 Service Bulletin V2500-ENG-72-0578, Engine — LP Compressor — Introduction Of Fan Case Panels With PAA Aluminium Honeycomb.

Other Publications Affected

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. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 72-32-85.
2. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 72-00-32 and 72-32-85.
3. V2500 A1/A5 Series Aircraft Maintenance Manual, P&W Ref. PN 2A4407, Chapter/Section 72-32-85.

Interchangeability of Parts

Old and new parts are directly interchangeable.

Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (Yes)

Added Data (Yes)

Revision to Table of Limits (No)

Inspection Procedures (No)

Material Information

Material — Price and Availability

1. Part prices were not available at the time of Service Bulletin publication. Contact IAE Spares Management & Logistics for firm quotations.
2. Part availability information is provided in material data Instructions — Disposition.

Industry Support Program

Not Applicable.

The material data that follows is for each engine.

For V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
5W0313	1	*	CASE, A/O FAN	5W0307 (72-32-85-01-100)	(2)(A)(F)(S2)

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.

(2) The new part is a replacement part only, and cannot be obtained by modification of the old part.

Spare Parts Availability

(A) The new part is available.

(F) The new part will be available on a Full Manufacturing lead time quote basis only.

(S2) Old and new parts are fully and freely interchangeable.

Vendor Services or Special Components/Materials

Not Applicable.

Tooling — Price and Availability

Special tools are not required to accomplish this Service Bulletin.

Reidentified Parts

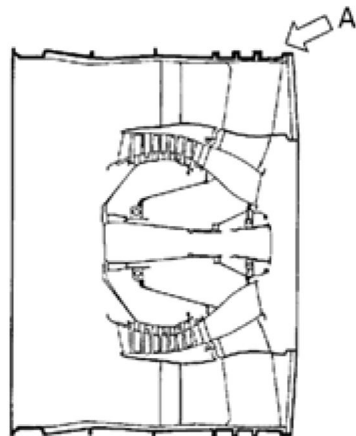
Not Applicable.

Other Material Information Data

Not Applicable.

Accomplishment Instructions

1. Assembly Instructions
 - A. Replace the Fan Case Assembly, PN 5W0307 with PN 5W0313.
 - (1) See Reference 5, Engine Manual, Chapter/Section 72-32-00.
2. Recording Instructions
 - A. A record of accomplishment is required.

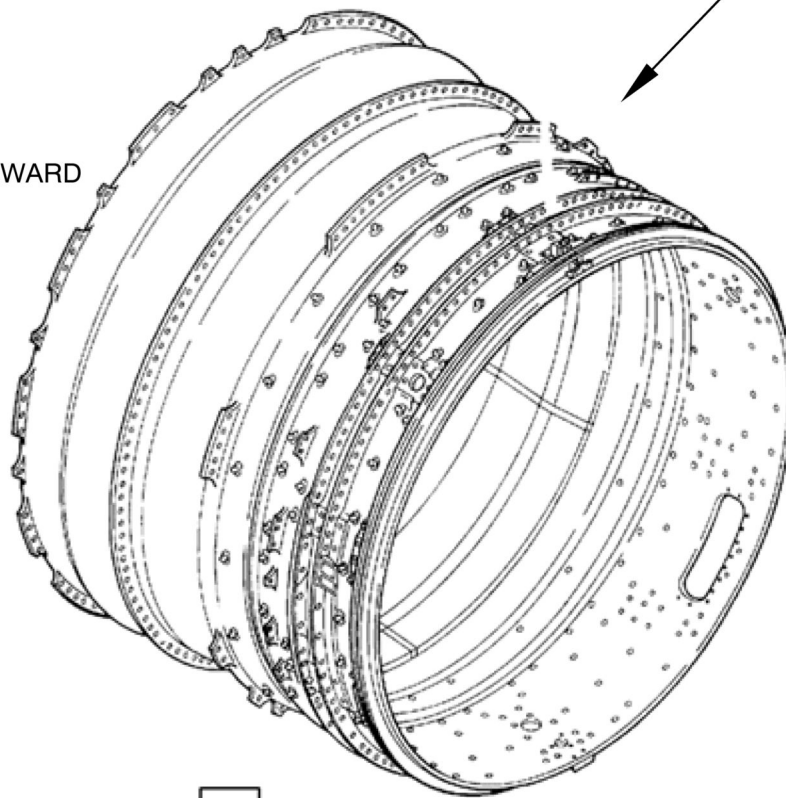


MODULE 32

5W0307
FAN CASE ASSEMBLY
REPLACE WITH
5W0313



FORWARD



A

B596922

LOCATION OF FAN CASE ASSEMBLY
FIGURE 1

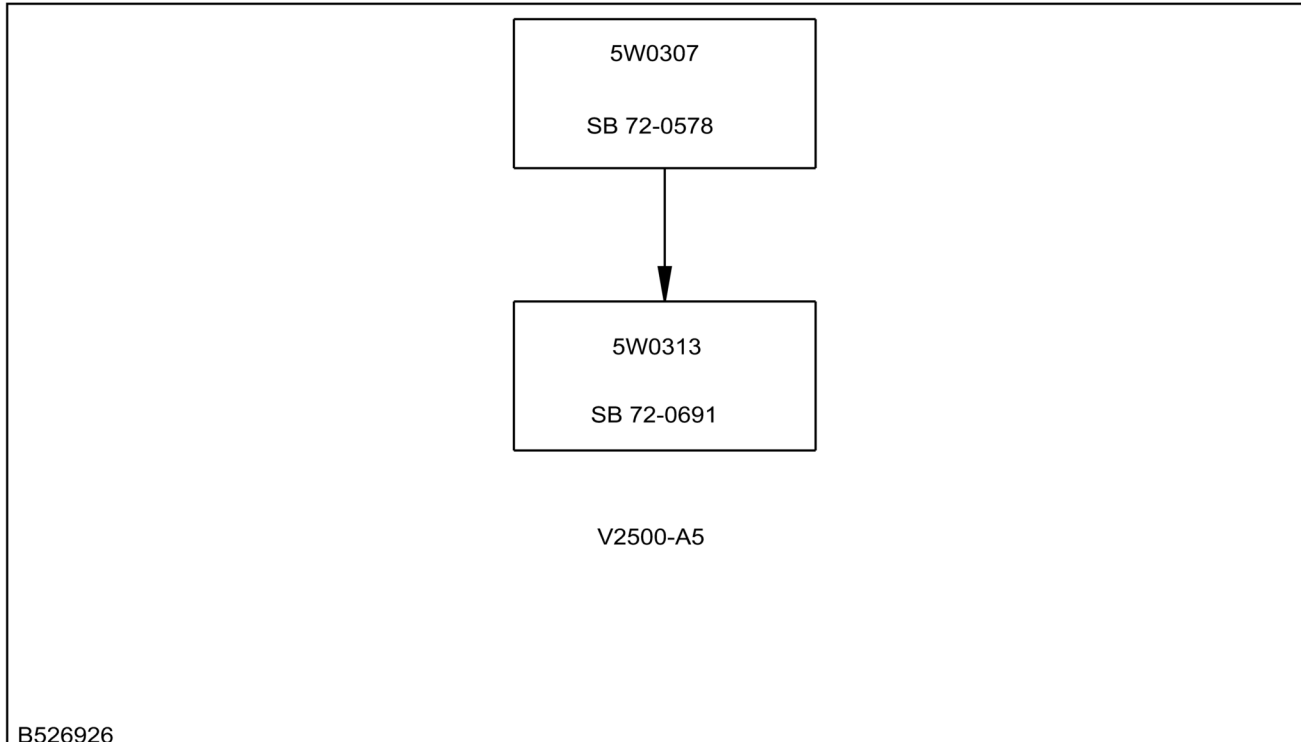
October 11/17

V2500-ENG-72-0691

Page 7

Appendix

Parts Progression To Show the Changed Part in Relation to Other Parts



FAN CASE ASSEMBLY
CHART 1

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC 17VJ001	JAEC

Number values shown in parentheses adjacent to U.S. values are International System of units (SI) equivalents.

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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-V2500-11A	2A4407

October 11/17

V2500-ENG-72-0691

Page 8

Publication	Engine Model(s)	IAE IETM Pub Ref	P&W Part Number
ENGINE MANUAL — D5	All	E-V2500-3IA	2A4416
EIPC — A1	V2500-A1102Q00	S-V2500-1IA	2A4427
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	
EIPC — D5	V2525/V2528-AQ02	S-V2500-3IA	2A4426
	V2525/V2528-AQ03	S-V2500-3IB	
	V2525/V2528-AQ04	S-V2500-3IC	