

# SERVICE BULLETIN

ENGINE — FAN SPEED/TRIM BALANCE PROBES ELECTRICAL HARNESS —  
INTRODUCTION OF A SLEEVE FOR REPAIR

## MODEL APPLICATION

V2500-A1, V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5,  
V2533-A5, V2525-D5, V2528-D5

## BULLETIN ISSUE SEQUENCE

V2500 Series 72-0684

## ATA NUMBER

72-32-37

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## Compliance Category

8

## P&W Distribution Code

V2500

July 19/17

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## Summary

The purpose of this Service Bulletin is to introduce a sleeve to repair the NF harness.

## Planning Information

### Effectivity Data

#### Engine Models Applicable

V2500-A1

Engine Serial No. — All engines

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

Engine Serial No. — All engines

V2525-D5, V2528-D5

Engine Serial No. — All engines

### Concurrent Requirements

There are no concurrent requirements.

### Reason

1. Condition: In-service engines have shown chafing damage on the outer insulation of NF harness cable.
2. Background: The current Component Maintenance Manual (CMM) does not have a repair procedure for chafing damage on NF harness cable.
3. Objective: To introduce a sleeve for NF harness repair.
4. Substantiation: This sleeve has the same material and diameter as the existing one used for production harnesses.
5. Effects of Bulletin on:
  - Removal/Installation: Not Affected.
  - Disassembly/Assembly: Not Affected.
  - Cleaning: Not Affected.
  - Inspection/Check: Not Affected.
  - Repair: Affected.
  - Testing: Not Affected.
6. Supplemental Information
  - None.

### Description

To introduce a sleeve to repair chafing damage on the NF Harness PN 5A2211, PN 5A0244 Rev.F and PN 5A0909

### Compliance

Category 8

Accomplish based upon experience with the prior configuration.

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### 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 — 72-32-37.
2. Internal Reference No. — 16VJ010.
3. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 70-00-00.
4. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427, Chapter/Section 72-32-37.
5. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 72-32-37.
6. V2500-D5, Series Illustrated Parts Catalog, P&W Ref. PN 2A4426, Chapter/Section 72-32-37.

7. V2500-A1/A5 Series Component Maintenance Manual - Electrical Harness and Cables, P&W Ref. 2A4409, Chapter/Section 72-32-37.
8. V2500-D5 Series Component Maintenance Manual - Electrical Harness and Cables, P&WRef. 2A4418, Chapter/Section 72-32-37.

Other Publications Affected

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.
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 V2500-A1 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
5A2212	AR	70.00	SLEEVE	-	(2)(A)

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
5A2212	AR	70.00	SLEEVE	-	(2)(A)

The material data that follows is for each engine.

For V2525-D5, V2528-D5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
5A2212	AR	70.00	SLEEVE	-	(2)(A)

### 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.

#### Vendor Services or Special Components/Materials

Not Applicable.

### Tooling — Price and Availability

Special tools are not required to accomplish this Service Bulletin.

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Reidentified Parts

Not Applicable.

Other Material Information Data

Not Applicable.

### Accomplishment Instructions

1. Repair the NF harness. Reference 7 or 8, Component Maintenance Manual, Chapter/Section 72-32-37.
2. Recording Instructions
  - A. A record of accomplishment is required.

## Appendix

### Added Data

#### Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC 16VJ010	JAEC

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

**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, the following Technical Publications cross reference table is provided.

#### 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
CMM-EHC — A1, A5	All	EHC-V2500-11A	2A4409
CMM-FN — A1, A5	All	FN-V2500-11A	2A4410
CMM-MMC — A1, A5	All	MECH-V2500-11A	2A4411
CMM-THD — A1, A5	All	THD-V2500-11A	2A4412
TLM — A1, A5	All	T-V2500-11A	2A4408
ENGINE MANUAL — D5	All	E-V2500-31A	2A4416
CMM-EHC — D5	All	EHC-V2500-31A	2A4418
CMM-FN — D5	All	FN-V2500-31A	2A4419
CMM-MMC — D5	All	MECH-V2500-31A	2A4420
CMM-THD — D5	All	THD-V2500-31A	2A4423
TLM — D5	All	T-V2500-31A	2A4417
SPPM (SPM) — A1, A5, D5	All	SPP-V2500-11A	2A4414
EIPC — A1	V2500-A1102Q00	S-V2500-11A	2A4427



Publication	Engine Model(s)	IAE IETM Pub Ref	P&W Part Number
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	