

SERVICE BULLETIN

ENGINE — FAN SPEED/TRIM BALANCE PROBES ELECTRICAL HARNESS —
INTRODUCTION OF A NEW PART NUMBER

MODEL APPLICATION
V2525-D5, V2528-D5

BULLETIN ISSUE SEQUENCE
V2500 Series 72-0696

ATA NUMBER
72-32-37

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Compliance Category

7

P&W Distribution Code

V2500
January 23/18

V2500-ENG-72-0696

Summary

The purpose of this Service Bulletin is to provide a new part number for the NF electrical harness, to be referred to as the NF harness.

Planning Information

Effectivity Data

Engine Models Applicable

V2525-D5, V2528-D5
Engine Serial Nos. V20001 thru V20285

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: NF harness leads electrical signal from the NF probe on the front bearing chamber to the fan frame aft side. This Service Bulletin introduces a new PN 5A2213 instead of the current PN 5A0909.
2. Background: When resuming manufacturing the NF harness for D5 model due to customer demand for spare usage, it applies the design improvements to A5 NF harness for many NF signal malfunctions introduced by Reference 6, Service Bulletin No. V2500-ENG-72-0683 to the D5 NF harness.
3. Objective: To introduce a new part number for the NF harness.
4. Substantiation: NF Harness, PN 5A2213 improves current PN 5A0909. Therefore, there is no impact on hardware function and integrity of the part. Substantiation was provided in EC 17VJ006.
5. Effects of Bulletin on:
 - Removal/Installation: Not Affected.
 - Disassembly/Assembly: Not Affected.
 - Cleaning: Affected.
 - Inspection/Check: Affected.
 - Repair: Affected.
 - Testing: Not Affected.
6. Supplemental Information
 - None.

Description

Replace the NF harness.

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Accomplish when supply of superseded parts has been depleted.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 — 72-32-37.
2. Internal Reference No. — 17VJ006.
3. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 72-32-00.
4. V2500-D5, Series Illustrated Parts Catalog, P&W Ref. PN 2A4426, Chapter/Section 72-32-37.
5. V2500-D5 Series Engine Manual, P&W Ref. PN 2A4416, Chapter/Section 72-32-00.
6. V2500 Service Bulletin V2500-ENG-72-0683, Engine — Fan Speed/Trim Balance Probes Electrical Harness — Introduction Of A New Part Number.

Other Publications Affected

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1. V2500-D5, Series Illustrated Parts Catalog, P&W Ref. PN 2A4426, Chapter/Section 72-32-37.

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. There is no kit provided to do this Service Bulletin.
3. 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 V2525-D5, V2528-D5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
5A2213	1	*	HARNESS — ELECTRICAL NF	5A0909 (72-32-37-02-100)	(2)(B)

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

(B) The new part will be available approximately March 1, 2018.

Vendor Services or Special Components/Materials

Not Applicable.

Tooling — Price and Availability

Special tools are not required to accomplish this Service Bulletin.

Reidentified Parts

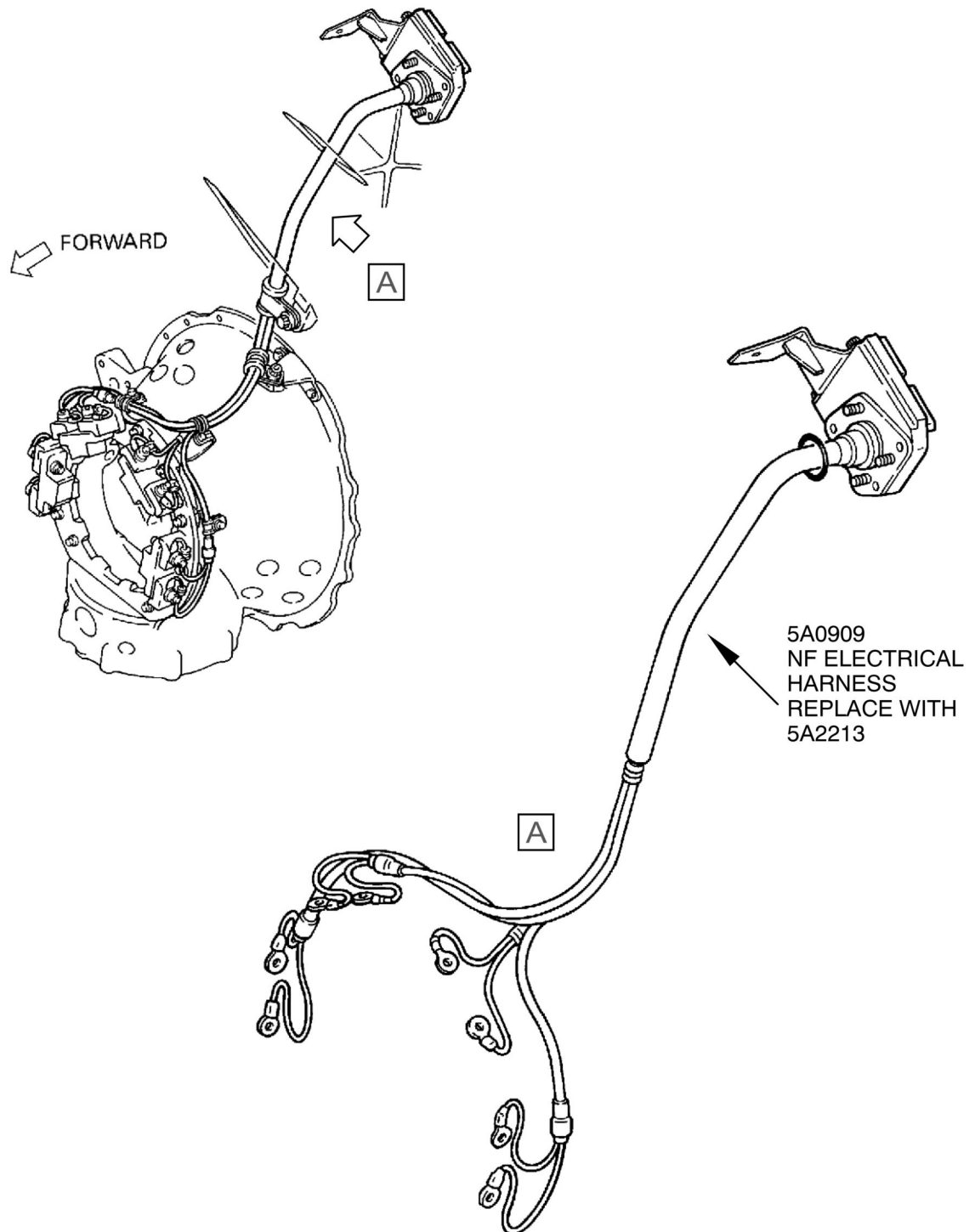
Not Applicable.

Other Material Information Data

Not Applicable.

Accomplishment Instructions

1. Replace the NF Electrical Harness, PN 5A0909 with PN 5A2213, as specified in Reference 5, Engine Manual, Task 72-32-00-030-012 and 72-32-00-430-004. See Figure 1.
2. Recording Instructions
 - A. A record of accomplishment is required.



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LOCATION OF THE NF ELECTRICAL HARNESS
72-32-37
FIGURE 1

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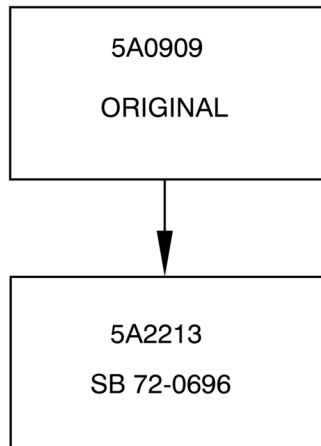
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Appendix

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



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NF ELECTRICAL HARNESS
CHART A

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC 17VJ006	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 — D5	All	E-V2500-3IA	2A4416
CMM-EHC — D5	All	EHC-V2500-31A	2A4418
CMM-FN — D5	All	FN-V2500-3IA	2A4419
CMM-MMC — D5	All	MECH-V2500-3IA	2A4420
CMM-THD — D5	All	THD-V2500-3IA	2A4423
TLM — D5	All	T-V2500-3IA	2A4417
SPPM (SPM) — A1, A5, D5	All	SPP-V2500-1IA	2A4414
EIPC — D5	V2525/V2528-AQ02	S-V2500-3IA	2A4426
	V2525/V2528-AQ03	S-V2500-3IB	
	V2525/V2528-AQ04	S-V2500-3IC	