

SERVICE BULLETIN

POWER PLANT — BACKSHELL — PART NUMBER CORRECTION

MODEL APPLICATION

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

BULLETIN ISSUE SEQUENCE

V2500 Series 71-0320

ATA NUMBER

71-51-42

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Compliance Category

8

P&W Distribution Code

V2500
February 13/18

V2500-ENG-71-0320

Summary

The purpose of this Service Bulletin is to make a correction to a part number for a backshell used on the light duty supply cable.

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

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: The vendor part number for the backshell used on the light duty supply cable is referred to as KA0054-21F09CJ019. Bombardier/Shorts V2500-A1 drawing 740-5870 and V2500-A5 drawing 745-5870 refer to the part number as KA0054-21F09CJK1-019.
2. Background: The vendor part number does not meet VCTS requirements.
3. Objective: An IAE reference part number of 4W7001 is being allocated for the backshell with a link to the vendor part number.
4. Substantiation: Part number KA0054-21F09CJK1-019 has always been called out on the V2500-A1 drawings 740-5870 and the V2500-A5 drawing 745-5870. There is no change to fit, form or function and no change to any delivered hardware.
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

The backshell used on the light duty supply cable is allocated an IAE reference number, 4W7001, to accommodate the format requirements of VCTS.

Compliance

Category 8

Accomplish based upon experience with the prior configuration.

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.

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 — 71-51-42.
2. Internal Reference No. — 14VN307.
3. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427, Chapter/Section 71-51-42.
4. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 71-51-42.
5. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 71-51-42.

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-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427, Chapter/Section 71-51-42.
2. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 71-51-42.

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. 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 V2500-A1 Engines:

| New PN | Qty | Estimate of Unit Price (\$) | Keyword | Old PN | Instructions — Disposition |
|---|-----|-----------------------------|-----------|---|----------------------------|
| 4W7001 (IAE Ref No.) (KA0054-21F09C JK1-019) | 2 | * | BACKSHELL | SES0032 (71-51-42-02-010) (71-51-42-02-045) | (A)(P) |

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 |
|--|-----|-----------------------------|-----------|---|----------------------------|
| 4W7001 (IAE Ref No.)(KA0054-21F09C JK1-019) | 2 | * | BACKSHELL | SES0032 (71-51-42-02-010) (71-51-42-02-045) | (A)(P) |

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.

Parts Modification Conditions

Not Applicable

Spare Parts Availability

(A) The new part is available.

(P) Procure the part directly from the Supplier referenced in Vendor Services or Special Components.

Vendor Services or Special Components/Materials

Vendor Services or Special Components/Materials

| P&W Designation | Vendor Designation | Name | Vendor Name & Address |
|--|--------------------------|-----------|--|
| 4W7001 | KA0054-21F 09CJK1-019 | BACKSHELL | Goodrich Aerospace Aerostructures Group 850 Lagoon Drive Chula Vista, CA 91910-2098 USA Email: sparessales@goodrich.com |
| Vendor Manufacturer's Code: 51563 See Illustrated Parts Catalog Vendor Manufacturer's Code List | | | |

Tooling — Price and Availability

Special tools are not required to accomplish this Service Bulletin.

Other Material Information Data

Not Applicable.

Accomplishment Instructions

1. Not Applicable.



Appendix

Added Data

Internal Reference Information

| Revision No. | Reference Document | Origination |
|--------------|--------------------|-------------|
| Original | EC14VN307 | HB/RCM |

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-V2500-1IA | 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 | |