

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 71-0350

ATA NUMBER

71-51-42

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Compliance Category

8

P&W Distribution Code

V2500

October 24/19

V2500-ENG-71-0350

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, to be referred to as EEC/IGN 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

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: The vendor part number for the backshell used on the EEC/IGN harness is called out as 380AA003M1606A. Bombardier/Shorts drawings 740-3235 and 745-5870 call out the part number as 380AA003M1606A-98Z.
2. Background: The reference part number 380AA003M1606A is in the EIPC because the V2500 Configuration Tracking System (VCTS) could only accept fifteen (15) characters. If a part number has more than fifteen (15) characters than it should have been given an IAE reference number.
3. Objective: The EIPC will be updated to state the IAE reference number 4W7004 with a link to the vendor part number 380AA003M1606A-98Z.
4. Substantiation: Part number 380AA003M1606A-98Z has always been called out on the drawings 740-3235 and the 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 EEC/IGN harness is given an IAE reference number 4W7004 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.

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. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 71-51-42.
2. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427, Chapter/Section 71-51-42.
3. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 71-51-42.
4. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 71-51-42.

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Other Publications Affected

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1. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 71-51-42.
2. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427, Chapter/Section 71-51-42.
3. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 71-51-42.
4. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 71-51-42.

Interchangeability of Parts

Old and new parts are directly interchangeable.

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
4W7004 (IAE Ref No.) (380AA003M160 6A- 98Z)	1	*	BACKSHELL	380AA003M1606A (71-51-42-02-250)	(A)(P)

The material data that follows is for each engine.

For V2500-A5 Engines: V2522-A5, V2524-A5, V2527M-A5, V2527-A5, V2527E-A5, V2530-A5, V2533-A5

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
4W7004 (IAE Ref No.) (380AA003M160 6A- 98Z)	1	*	BACKSHELL	380AA003M1606A (71-51-42-02-250)	(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
4W7004	380AA003M 1606A-98Z	BACKSHELL	Collins Aerospace 850 Lagoon Drive Chula Vista, CA 91910-2098 USA Email: sparesales@collinsaerospace.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	EC15VN307	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
CMM-EHC — A1, A5	All	EHC-V2500-1IA	2A4409
CMM-FN — A1, A5	All	FN-V2500-1IA	2A4410
CMM-MMC — A1, A5	All	MECH-V2500-1IA	2A4411
CMM-THD — A1, A5	All	THD-V2500-1IA	2A4412
TLM — A1, A5	All	T-V2500-1IA	2A4408
ENGINE MANUAL — D5	All	E-V2500-3IA	2A4416
CMM-EHC — D5	All	EHC-V2500-3IA	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 — A1	V2500-A1102Q00	S-V2500-1IA	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	