

SERVICE BULLETIN

ENGINE FUEL AND CONTROL — CONTACT, SOCKET — INTRODUCTION
OF AN ALTERNATIVE SOCKET CONTACT

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 73-0250

ATA NUMBER

71-00-00

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Compliance Category

8

IAE Distribution Code

V2500

April 9/20

V2500-ENG-73-0250

Summary

The purpose of this Service Bulletin is to introduce an alternative socket contact.

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 Nos. V10001 thru V13190

Engine Serial Nos. V15002 thru V18944

V2525-D5, V2528-D5

Engine Serial Nos. V20001 thru V20285

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: To introduce additional alternative electrical socket contacts for a harness assembly to decrease supply shortage of the current sockets.
2. Background: Limited availability of original socket contacts at source and introduce dual source for the part.
3. Objective: To introduce alternative sub-level parts to the harness assembly.
4. Substantiation: The new alternative socket contacts are manufactured to the same specification as the current socket contacts. The parts are fully interchangeable and can be mixed.
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

Use as an alternate to the socket contacts.

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. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 71-00-00.
2. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427, Chapter/Section 71-00-00.
3. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 71-00-00.
4. V2500-D5, Series Illustrated Parts Catalog, P&W Ref. PN 2A4426, Chapter/Section 71-00-00.
5. V2500-A1/A5 Component Maintenance Manual, P&W Ref. PN 2A4409, Electrical Harnesses and Cables.

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 71-51-51, 71-51-54, 71-51-59, 71-52-43, 71-52-44, 71-52-51.
2. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 71-51-51, 71-51-54, 71-51-59, 71-52-43, 71-52-44, 71-52-51.
3. V2500-D5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4426, Chapter/Section 71-51-51, 71-51-54, 71-51-59, 71-52-43, 71-52-44, 71-52-51.
4. V2500-A1/A5 Component Maintenance Manual, P&W Ref. PN 2A4409, Electrical Harnesses and Cables.

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
M39029-56-351	361	*	CONTACT – SOCKET	T3-4120-36LD (71-51-41-04-035) (71-51-41-04-055) (71-51-41-04-075) (71-51-41-04-115) (71-51-41-04-135) (71-51-41-04-155) (71-51-41-04-215) (71-51-41-04-355) (71-51-41-04-435) (71-51-41-04-455) (71-52-43-04-075) (71-52-43-04-095) (71-52-43-04-115) (71-52-43-04-135) (71-52-43-04-155) (71-52-43-04-175) (71-52-44-04-035)	(2)(A)(C)(S2)

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
M39029-56-351	361	*	CONTACT – SOCKET	T3-4120-36LD (71-51-41-04-035) (71-51-41-04-055) (71-51-41-04-075) (71-51-41-04-115) (71-51-41-04-135) (71-51-41-04-155) (71-51-41-04-215) (71-51-41-04-355) (71-51-41-04-435) (71-51-41-04-455) (71-52-43-04-075) (71-52-43-04-095) (71-52-43-04-115) (71-52-43-04-135) (71-52-43-04-155) (71-52-43-04-175) (71-52-44-04-035)	(2)(A)(C)(S2)

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
M39029-56-351	354	*	CONTACT – SOCKET	T3-4120-36LD (71-51-51-04-142) (71-51-51-04-168) (71-51-51-04-293) (71-51-51-04-443) (71-51-54-04-043) (71-51-54-04-118) (71-51-54-04-363) (71-51-54-04-393) (71-51-59-04-243) (71-51-59-04-268) (71-52-51-04-043) (71-52-51-04-068) (71-52-51-04-093) (71-52-51-04-143) (71-52-51-04-168) (71-52-51-04-192)	(2)(A)(C)(S2)

Modification and Spares Information

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.
- (C) The old part will continue to be supplied.
- (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.

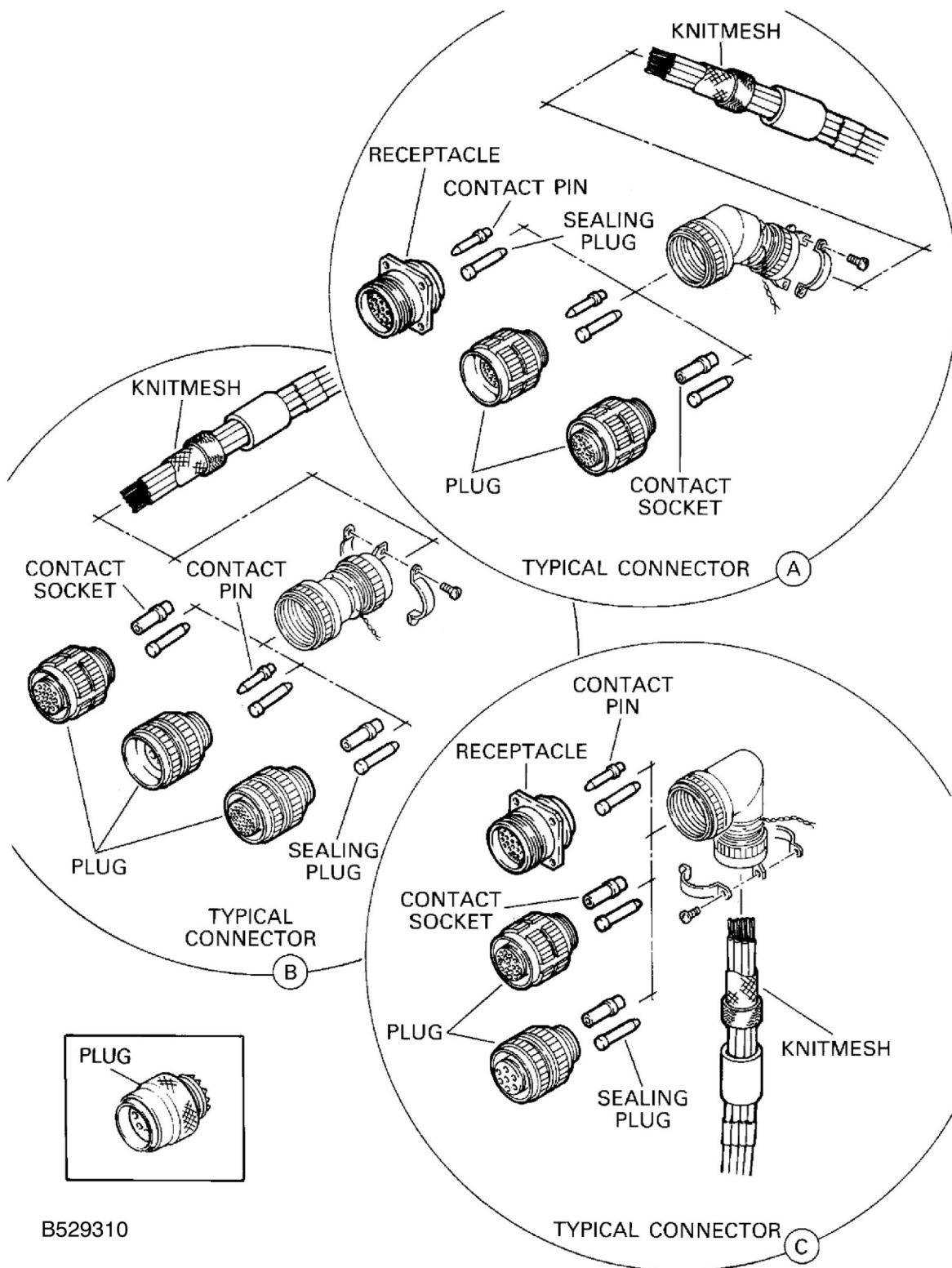
Other Material Information Data

Not Applicable.

Accomplishment Instructions

NOTE: Service bulletin incorporation on engines installed on aircraft may be desirable and should be individually evaluated.

1. For V2500 A1 and V2500 A5 Engines:
 - A. Replace the 361 Socket Contacts, PN T3-4120-36LD with PN M39029-56. See Figure 1.
2. For V2500 D5 Engines:
 - A. Replace the 354 Socket Contacts, PN T3-4120-36LD with PN M39029-56. See Figure 1.



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TYPICAL SOCKET CONTACT
FIGURE 1

Appendix

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC19VU005	JP/MTU

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	