

SERVICE BULLETIN

ELECTRICAL POWER — QUICK-ATTACH — DETACH (QAD) ADAPTER KIT — INTRODUCTION
OF A NEW QAD ADAPTER KIT WITH NEO ENGINE MARKINGS

MODEL APPLICATION

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

BULLETIN ISSUE SEQUENCE

V2500 Series 24-0021

ATA NUMBER

24-21-41

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Compliance Category

7

IAE Distribution Code

V2500

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V2500-NAC-24-0021

Summary

The purpose of this Service Bulletin is to introduce a new Quick-Attach-Detach (QAD) Adapter kit with NEO engine markings.

Planning Information

Effectivity Data

Engine Models Applicable

V2500-A1

Engine Serial Nos. V0001 thru V0361

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

Engine Serial Nos. V10001 thru V13190

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: A new QAD Adapter was introduced to include NEO engine configuration model orientation marking.
2. Background: In support of the NEO program, PW1100 and LEAP-1A engine model orientation markings were added to the QAD Adapter.
3. Objective: The new QAD Adapter will include CEO and NEO engine model orientation markings.
4. Substantiation: No changes have been made to the QAD Adapter except the addition of NEO engine model orientation markings.
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

Replace the QAD Adapter kit.

Compliance

Category 7 - Optional

Accomplish when supply of superseded parts has been depleted.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 technical content under the JAR 25 regulation of this document is approved under the authority of the DOA ref. EASA.21J.031.

Manpower

1. In Service

Gain Access	1.0 hour.
Modification	5.0 hours.
Close Access	0.5 hours.
Total Hours	6.5 hours.
2. At Overhaul

Modification	5.0 hours.
Total Hours	5.0 hours.

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

1. V2500 Standard Practices Manual (SPP V2500-31A).
2. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427.
3. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428.
4. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Task 71-00-02-400-012 and Task 71-02-000-016.
5. A319/A320/A321 Aircraft Maintenance Manual – Task 24-21-41-000-803A and Task 24-21-41-400-803A.
6. A319/A320/A321 AIPC, Chapter/Section 24-21-41.

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7. This Service Bulletin is subject to aircraft Modification N° 156863 P14352 (classified minor).

Other Publications Affected

1. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427.
24-21-41, Figure 1
2. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428.
24-21-41, Figure 1
3. A319/A320/A321 AIPC.
24-21-41, Figure 1

Interchangeability of Parts

Old and new parts are directly interchangeable. See Reference 6, A319/A320/A321 AIPC, Chapter/Section 24-21-41.

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 Collins Spares 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
767669C	1	*	QAD ADAPTER	767669B (24-21-41-01A-010B)	(2)(A)(L)(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
767669C	1	*	QAD ADAPTER	767669B (24-21-41-01A-010B)	(2)(A)(L)(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 Collins 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.
 (L) The old part will be supplied until the supply is fully used.
 (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.

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Reidentified Parts

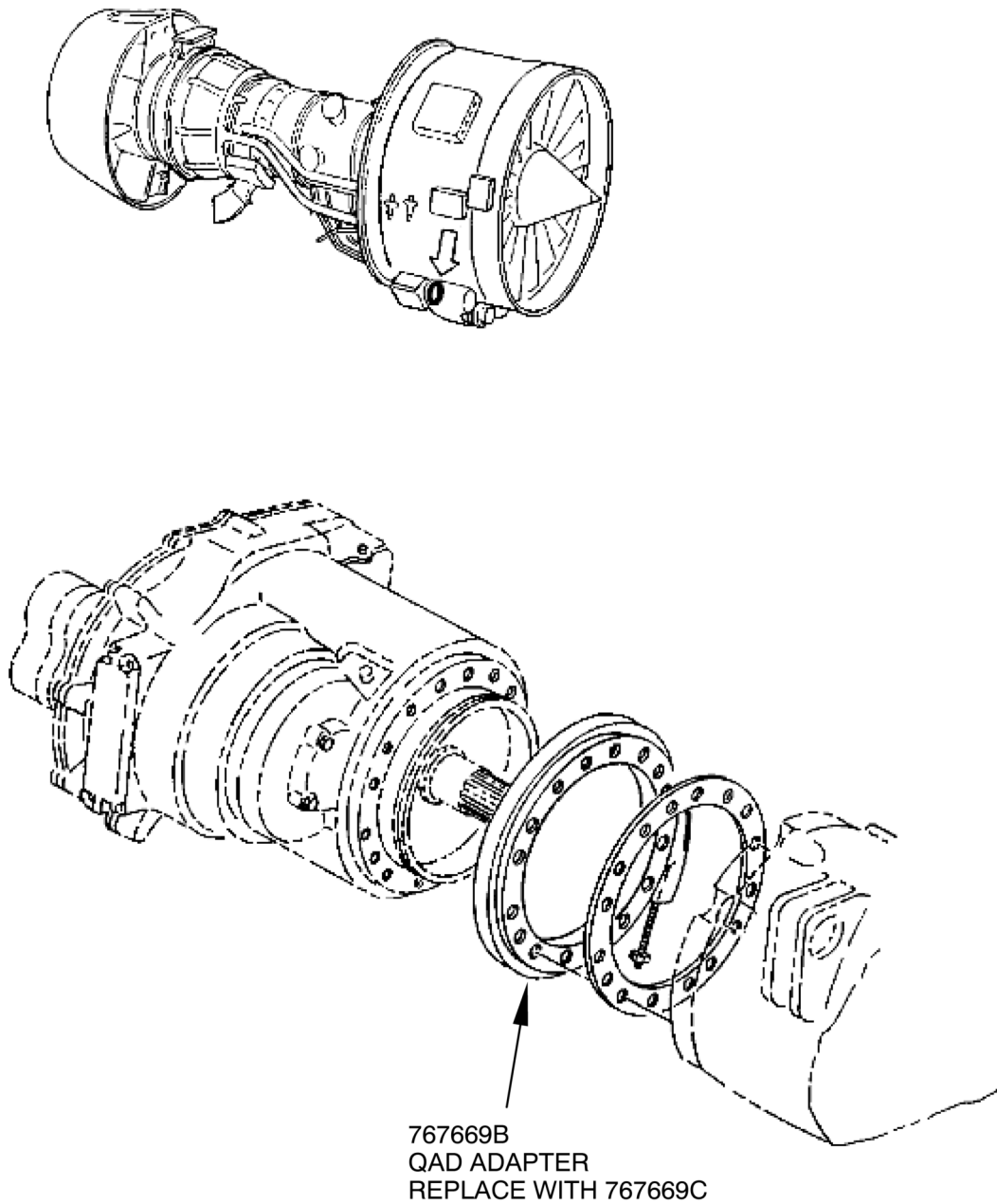
Not Applicable.

Other Material Information Data

Not Applicable.

Accomplishment Instructions

1. In Service:
 - A. Replace PN 767669B with PN 767669C as specified in Reference 5, AMM, Task 24-21-41-000-803A and 24-21-41-400-803A IDG QAD, Removal and Installation Procedures.
 - B. Recording Instructions
 - (1) A record of accomplishment is necessary.
2. At Overhaul:
 - A. Replace PN 767669B with PN 767669C as specified in Reference 4, EM, Task 71-00-02-400-012 and Task 71-00-02-000-016 IDG QAD, Removal and Installation Procedures.
 - B. Recording Instructions
 - (1) A record of accomplishment is necessary.



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LOCATION OF QUICK ATTACH DETACH (QAD)
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FIGURE 1

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Appendix

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC14VN032	PJ/Collins

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-V2500-1IA	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
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	