

SERVICE BULLETIN

ENGINE — LP COMPRESSOR — INTRODUCTION OF NEW REPAIR ONLY PARTS FOR
FAN CASE ACOUSTIC LININGS WITH NEW ADHESIVE PRIMER

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 72-0692

ATA NUMBER

72-32-85

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Compliance Category

7

P&W Distribution Code

V2500
January 12/18

V2500-ENG-72-0692

Summary

The purpose of this Service Bulletin is to provide new repair only parts for fan case acoustic linings with a new primer which is used to bond the titanium skin and aluminum honeycomb.

Planning Information

Effectivity Data

Engine Models Applicable

V2500-A1

Engine Serial Nos. All Engines

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

Engine Serial Nos. All Engines

V2525-D5, V2528-D5

Engine Serial Nos. All Engines

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: Supply of the current primer used to bond the titanium skin and aluminum honeycomb of the repair only acoustic linings has been discontinued.
2. Background: Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), a regulation of the European Union, has restricted the use of a material used in the primer.
3. Objective: This Service Bulletin complies with the REACH regulation.
4. Substantiation: The changes introduced by this Service Bulletin were subject to satisfactory engineering analysis and tests. This Service Bulletin complies with the applicable engine certification basis.
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

This Service Bulletin introduces new repair only parts for fan case acoustic linings with a new primer.

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Accomplish when supply of superseded parts has been depleted.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 holder has been informed of this modification.

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 — 72-32-85.
2. Internal Reference No. — 17VJ001A.
3. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 72-00-00.
4. V2500-A1 Series Illustrated Parts Catalog, P&W Ref. PN 2A4427, Chapter/Section 72-32-85.

5. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 72-32-85.
6. V2500-D5, Series Illustrated Parts Catalog, P&W Ref. PN 2A4426, Chapter/Section 72-32-85.
7. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 72-32-85, TASK 72-32-85-300-010, TASK 72-32-85-300-025 and TASK 72-32-85-300-041.
8. V2500-D5 Series Engine Manual, P&W Ref. PN 2A4416, Chapter/Section 72-32-85 TASK 72-32-85-300-035.
9. A319/320/321 Aircraft Maintenance Manual, Chapter/Section 72-32-85, TASK 72-32-85-300-040, TASK 72-32-85-300-018, TASK 72-32-85-300-020-A.
10. MD-90 Aircraft Maintenance Manual, Chapter/Section 72-32-85 and TASK 72-32-85-300-809.
11. V2500 Service Bulletin V2500-ENG-72-0103, ENGINE — LP COMPRESSOR — PROVIDE A NEW WEIGHT REDUCED FAN CASE ASSEMBLY.
12. V2500 Service Bulletin V2500-ENG-72-0579, ENGINE — LP COMPRESSOR — INTRODUCTION OF FAN CASE PANELS WITH PAA ALUMINIUM HONEYCOMB.

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 72-32-85.
2. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 72-32-85.
3. V2500-D5, Series Illustrated Parts Catalog, P&W Ref. PN 2A4426, Chapter/Section 72-32-85.
4. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 72-32-85.
5. V2500-D5 Series Engine Manual, P&W Ref. PN 2A4416, Chapter/Section 72-32-85.
6. A319/320/321 Aircraft Illustrated Parts Catalog, Chapter/Section 72-32-85.
7. A319/320/321 Aircraft Maintenance Manual, Chapter/Section 72-32-85.
8. MD-90 Aircraft Illustrated Parts Catalog, Chapter/Section 72-32-85.
9. MD-90 Aircraft Maintenance Manual, Chapter/Section 72-32-85.

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. The estimated price of new material to do this Service Bulletin using new replacement parts is \$23,244.00 for V2500-A1 Engines Pre Reference 11, Service Bulletin V2500-ENG-72-0103 and is \$57,240.00 for V2500-A1 Post Reference 11, Service Bulletin V2500-ENG-72-0103, V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2535-A5 Engines and V2525-D5, V2528-D5 Engines.
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 Pre Reference 11, Service Bulletin V2500-ENG-72-0103:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
5R0326	4	3,874.00	LINING, A/O ACOUSTIC — REPAIR	5R0312 (72-32-85-01-950)	(2)(A)(L)(S2)
5R0326	1	3,874.00	LINING, A/O ACOUSTIC — REPAIR	5R0312 (72-32-85-01-955)	(2)(A)(L)(S2)
5R0326	1	3,874.00	LINING, A/O ACOUSTIC — REPAIR	5R0312 (72-32-85-01-960)	(2)(A)(L)(S2)

The material data that follows is for each engine.

For V2500-A1 Engines Post Reference 11, Service Bulletin V2500-ENG-72-0103:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
5R0325	8	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-950)	(2)(A)(L)(S2)
5R0325	2	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-955)	(2)(A)(L)(S2)
5R0325	2	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-960)	(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
5R0325	8	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-950)	(2)(A)(L)(S2)
5R0325	2	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-955)	(2)(A)(L)(S2)
5R0325	2	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-960)	(2)(A)(L)(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
5R0325	8	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-950)	(2)(A)(L)(S2)
5R0325	2	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-955)	(2)(A)(L)(S2)
5R0325	2	4,770.00	LINING, A/O ACOUSTIC — REPAIR	5R0311 (72-32-85-01-960)	(2)(A)(L)(S2)

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

(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.

Reidentified Parts

Not Applicable.

Other Material Information Data

Not Applicable.

Accomplishment Instructions

FOR ENGINES INSTALLED ON AIRCRAFT

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

1. Repair Instructions

A. Do the repair by replacement of the acoustic linings.

(1) For V2500-A1 Engines Pre Reference 11, V2500-ENG-72-0103:

(a) See Reference 9, Aircraft Maintenance Manual, VRS1575 TASK 72-32-85-300-040.

(2) For V2500-A1 Engines Post Reference 11, V2500-ENG-72-0103:

(a) See Reference 9, Aircraft Maintenance Manual, VRS1583 TASK 72-32-85-300-018.

(3) For V2500-A5 Engines:

(a) See Reference 9, Aircraft Maintenance Manual, VRS1845 TASK 72-32-85-300-020-A.

(4) For V2500-D5 Engines:

(a) See Reference 10, Aircraft Maintenance Manual, VRS1853 TASK 72-32-85-300-809.

2. Recording Instructions

A. A record of accomplishment is required.

FOR ENGINES NOT INSTALLED ON AIRCRAFT

1. Repair Instructions

A. Do the repair by replacement of the acoustic linings.

(1) For V2500-A1 Engines Pre Reference 11, V2500-ENG-72-0103:

(a) See Reference 7, Engine Manual, VRS1958 TASK 72-32-85-300-010 (REPAIR-010).

(2) For V2500-A1 Engines Post Reference 11, V2500-ENG-72-0103:

(a) See Reference 7, Engine Manual, VRS1540 TASK 72-32-85-300-025 (REPAIR-025).

(3) For V2500-A5 Engines:

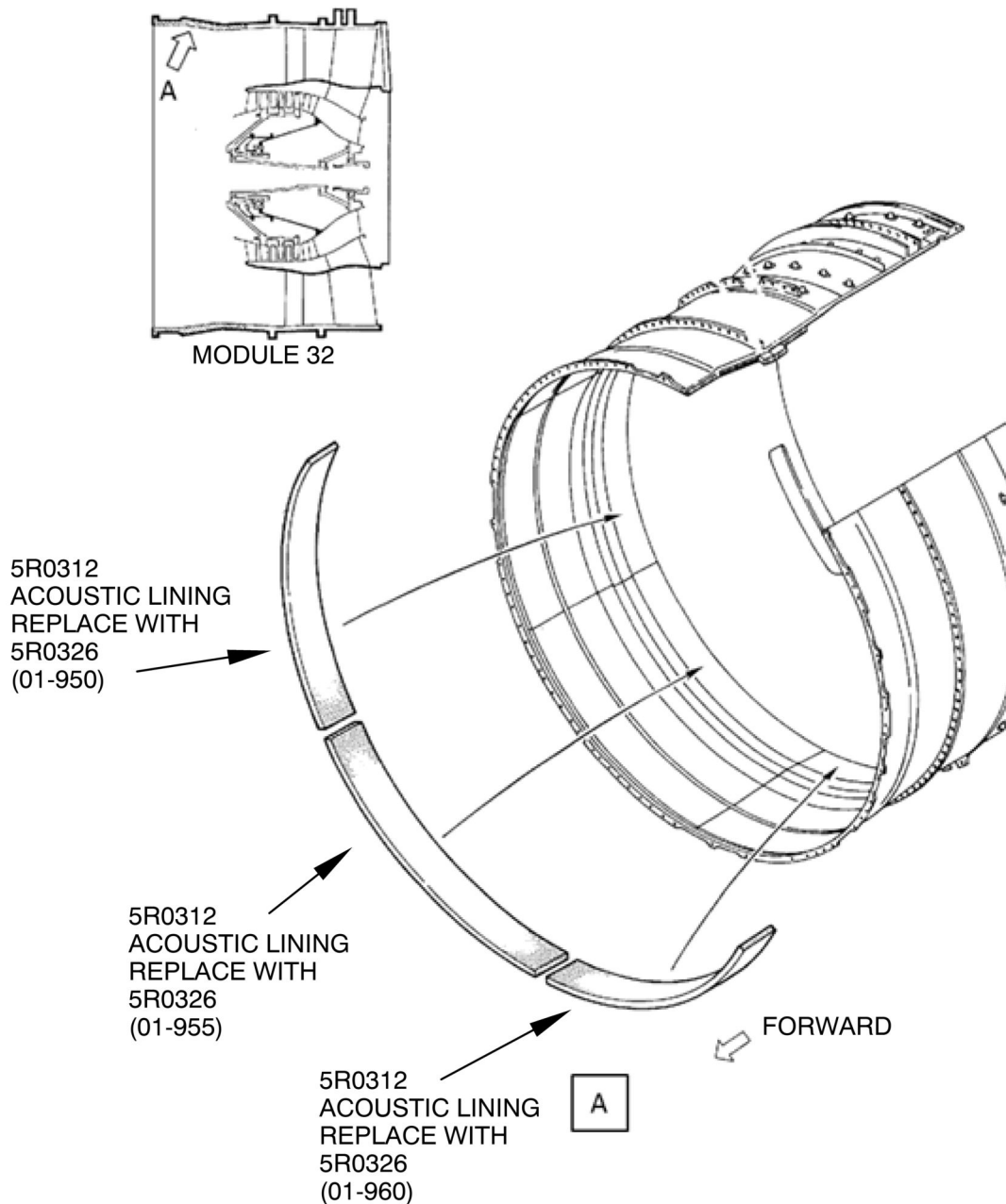
(a) See Reference 7, Engine Manual, VRS1842 TASK 72-32-85-300-041 (REPAIR-041).

(4) For V2500-D5 Engines:

(a) See Reference 8, Engine Manual, VRS1849 TASK 72-32-85-300-035 (REPAIR-035).

2. Recording Instructions

A. A record of accomplishment is required.



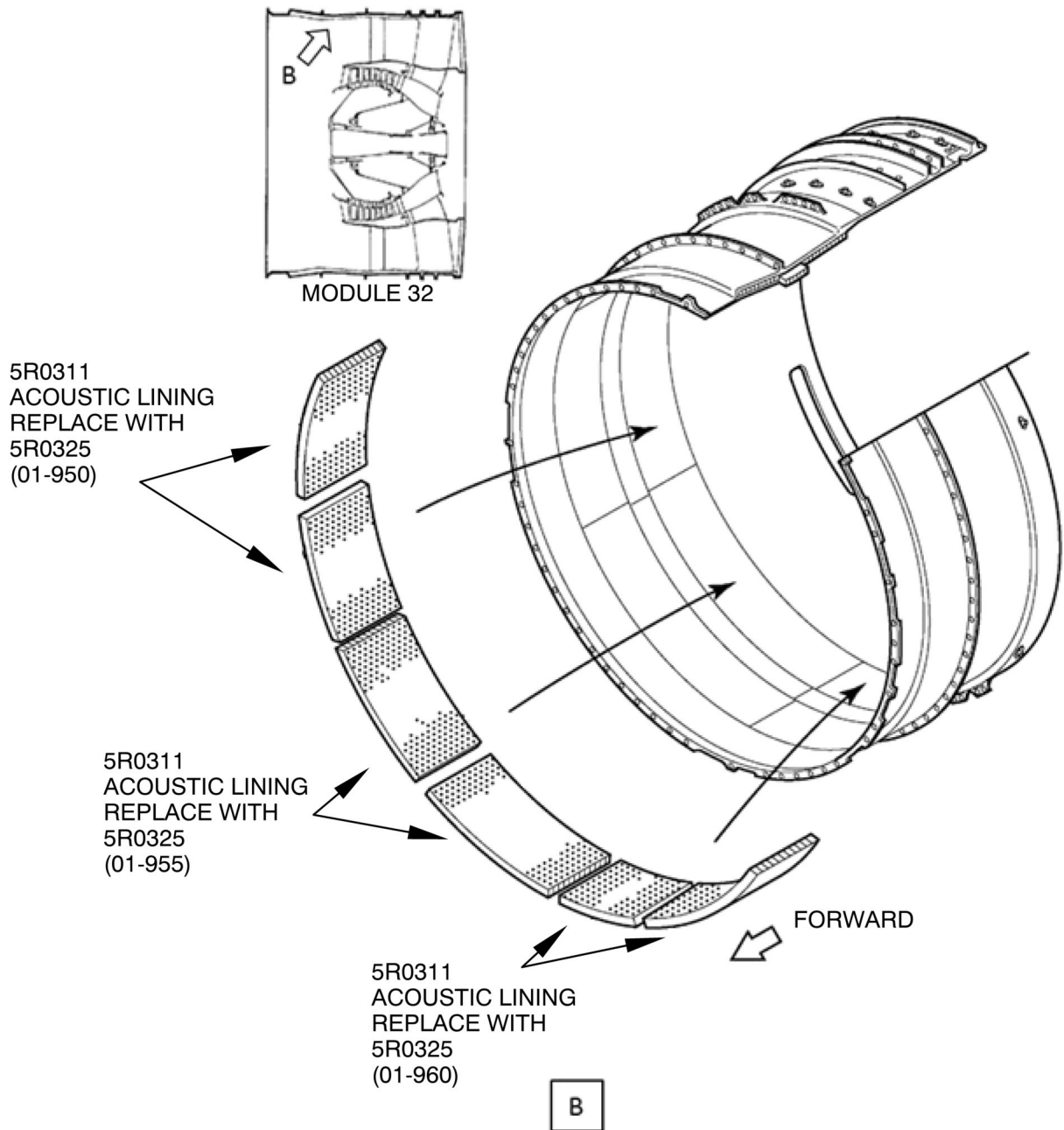
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LOCATION OF ACOUSTIC LININGS
FOR A1 ENGINES PRE V2500-ENG-72-0103
FIGURE 1

January 12/18

V2500-ENG-72-0692

Page 10



B596924

LOCATION OF ACOUSTIC LININGS
FOR A1 ENGINES POST V2500-ENG-72-0103, A5 ENGINES AND D5 ENGINES
FIGURE 2

January 12/18

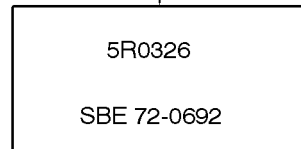
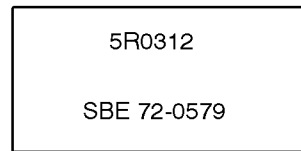
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Page 11

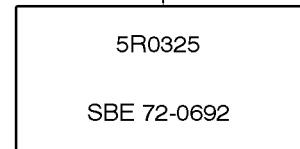
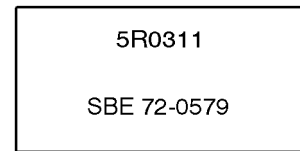


Appendix

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



V2500-A1
PRE V2500-ENG-72-0103



V2500-A1
POST V2500-ENG-72-0103,
A5 and D5

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ACOUSTIC LINING — REPAIR
CHART A

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC 17VJ001A	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 — A1, A5	All	E-V2500-11A	2A4407
ENGINE MANUAL — D5	All	E-V2500-31A	2A4416
EIPC — A1	V2500-A1102Q00	S-V2500-11A	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	