

SERVICE BULLETIN REVISION NOTICE

ENGINE — HIGH PRESSURE (HP) COMPRESSOR MODULE PART NUMBER

Turbojet Engine Service Bulletin No. V2500-ENG-70-0991 Revision No. 2 dated December 14, 2018.

Revision History

Original Issue July 14, 2011

Revision 1 dated December 7, 2018

Revision 2 dated December 14, 2018

Reason for the Revision

To correct HP System Module part number from “4W6517” to “4W6518”.

To make editorial changes that do not affect the technical content of this Service Bulletin.

Effect of Revision on Prior Compliance

None.

This is a Complete Revision (Not Applicable to the SGML version)

The contents are in accordance with the list of effective pages. All pages have the current revision number. Technical changes are marked with black bars.

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 70-0991

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Revision No.

2

Date

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A copy of this Revision Notice and any future revision notices must be filed as a permanent record with your copy of the subject bulletin.

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SERVICE BULLETIN

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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 70-0991

ATA NUMBER

72-40-00

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Compliance Category

8

P&W Distribution Code

V2500

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Summary

The purpose of this Service Bulletin is to update the configuration of the High Pressure (HP) compressor module so that they can be displayed in future revisions of the Illustrated Parts Catalogue (IPC).

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: This Service Bulletin re-introduces existing High Pressure (HP) compressor module part numbers at ATA Chapter/Section 72-40-00, Fig/Item number 01-001 and ATA Chapter/Section 72-41-00, Fig/Item number 01-001 into the configuration system with spareability code "X" so that these part numbers can be displayed in future revisions of the Illustrated Parts Catalog (IPC).
2. Background: IAE uses module part numbers for engine production and visual identification of engine modules. The module part numbers are written on identification plates which are attached to the modules.
3. Objective: Introduce the HP compressor module and HP system modules so that they can be displayed in future revisions of the IPC.
4. Substantiation: There are no design changes and only existing module part numbers are re-configured with different separability codes.
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.

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Description

IAE International Aero Engines AG (IAE) use module part numbers for engine production and visual identification of engine modules. The module part numbers are written on identification plates which are attached to the modules. Customers have requested clear documentation about the module numbers to allow them to track the modules by part number during maintenance and overhaul.

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. ATA Locator — 72-40-00 and 72-41-00.

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2. Internal Reference No. — 10VR010, 17VG058, and 18VG314.
3. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 70-00-00.
4. V2500 Service Bulletin V2500-ENG-72-0041; Engine - Hp Compressor - Introduction Of A New Rear Rotating Seal And A New Rear Static Air Seal Assembly.
5. V2500 Service Bulletin V2500-ENG-72-0254; Engine - HP Compressor Disc - Introduction Of HP Compressor Drum With Revised Disc Profiles.
6. V2500 Service Bulletin V2500-ENG-72-0538; Engine - High Pressure (HP) Compressor - Variable Inlet Guide Vanes (VIGV) And Variable Stage Vanes (VSV) Actuating Mechanism - Introduction Of Simplified Control Rods.
7. V2500 Service Bulletin V2500-ENG-72-0560; Engine - High Pressure (HP) Compressor - V2500 Selectone Retrofit And Production - HP Compressor Upgrade.
8. V2500 Service Bulletin V2500-ENG-72-0561; Engine - High Pressure (HP) Compressor - V2500 Selectone Production - HP Compressor Upgrade.
9. V2500 Service Bulletin V2500-ENG-72-0687; Engine - Washer - Replace The High Pressure Compressor (HPC) Rear Drum Washers To Reduce The Potential Of 12th Stage Rotor Cracking Due To Assembly Error.
10. V2500 Service Bulletin V2500-ENG-75-0005; Air - Introduction Of Two Zone 2 Air Deflector Brackets.

Other Publications Affected

Not Applicable.

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)

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Material Information

Material — Price and Availability

Not Applicable.

Industry Support Program

Not Applicable.

The material data that follows is for each engine.

Not Applicable.

Instructions/Disposition Code Statements:

Parts Modification Conditions

Not Applicable.

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

1. None.
2. Recording Instructions
 - A. A record of accomplishment is required.

V2500-A1 ENGINE HP SYSTEM MODULE (72-40-00, 01-001)	
SERVICE BULLETIN NUMBER	HP SYSTEM MODULE PART NUMBER
PRODUCTION BASELINE	4W6195
V2500-ENG-75-0005	4W6412

V2500-A1 ENGINE HP SYSTEM ASSEMBLY (72-41-00, 01-001)	
SERVICE BULLETIN NUMBER	HP COMPRESSOR MODULE PART NUMBER
PRODUCTION BASELINE	4W6193
V2500-ENG-72-0041	4W6407

V2500-A5 ENGINE			
SERVICE BULLETIN NUMBER	HP SYSTEM MODULE (72-40-00, 01-001)	HP COMPRESSOR MODULE (72-41-00, 01-001)	
		PRE SB 72-0687	POST SB 72-0687
Production Baseline	4W6495	4W6494	4W6620
V2500-ENG-72-0254	4W6509	4W6508	4W6621
V2500-ENG-72-0538	4W6514	4W6513	4W6519
V2500-ENG-72-0560	4W6517	4W6515	4W6520
V2500-ENG-72-0561	4W6518	4W6516	4W6617

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V2500-D5 ENGINE			
SERVICE BULLETIN NUMBER	HP SYSTEM MODULE (72-40-00, 01-001)	HP COMPRESSOR MODULE (72-41-00, 01-001)	
		PRE SB 72-0687	POST SB 72-0687
Production Baseline	4W6486	4W6487	4W6619

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Appendix

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC 10VR010	IAE
1	EC 17VG058 EA 18VG314	RSS/JAC
2	EC 17VG058 EA 18VG314	RSS/JAC

Number values shown in parentheses adjacent to U.S. values are International System of units (SI) equivalents.

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

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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	