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V2500-D5 PROPULSION SYSTEM SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-70-0820

Bulletin Initial Issue

Remove

Incorporate
Pages 1 to 5 of the
Service Bulletin

Reason for change
Initial issue

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CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

Page Revision Number Revision Date

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INFORMATION - ENGINE - PROVIDE NEW SECOND STAGE HPT BLADES

1. Planning Information

A. Effectivity

- (1) Boeing MD-90

V2525-D5, V2528-D5 Engines Serial Nos V20001 thru V20285

B. Concurrent Requirements

There are no concurrent requirements.

C. Reason

- (1) Problem: High Pressure Turbine (HPT) 2 Stage Blades made of PWA1484 material currently are not incorporated in the V2500-D5 models. This Engineering Change adds the HPT 2 Stage Blades with PWA1484 material as an option for the V2500-D5 models.
- (2) Background: To allow the incorporation of the PWA1484 material blades for the V2500-D5 models as an alternate.
- (3) Substantiation: These blades were certified in higher thrust V2500-A5. PWA1484 material is more capable than PWA1426 therefore, it is acceptable to use these blades in V2500-D5 service engines.

NOTE: The subject PWA1484 Stage 2 HPT Blades being introduced have PWA545 Under Platform Coating incorporated as well.

- (4) 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.

- (5) Supplemental Information

None.

D. Description

None

E. Compliance

Category 8

Accomplish based upon experience with the prior configuration.

F. 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 'compliance' statement and the procedures described in this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model listed.

G. Manpower

Estimated man-hours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
In Service	Not Applicable
At Overhaul	Not Applicable

H. Weight and Balance

Weight Change	None
Moment	No Effect
Datum	Engine Front Mount Centerline (Power Plant Station (PPS) 100)

I. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

J. Software Accomplishment Summary

Not Applicable.

See Vendor Supplier Service Bulletin.



K. References

1. V2500 Engine Illustrated Parts Catalogs (S-V2500-3IA, S-V2500-3IB), Chapter/Section 72-45-00.
2. V2500 Engine Manual (E-V2500-3IA), Chapter/Section 72-45-00.
3. Reference Number 97VA016D.
4. ATA Locator - 72-45-00.

L. Other Publications Affected

1. V2500 Engine Illustrated Parts Catalogs (S-V2500-3IA, S-V2500-3IB), Chapter/Section 72-45-00.
2. V2500 Engine Manuals (E-V2500-3IA), Chapter/Section 72-45-00 Cleaning, Inspection and Repair, to add the new part.

M. Interchangeability of Parts

The Field Reidentified Parts listed in the Material Information section are authorized for use in D5 Models.

N. Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Added Data (No)

Revision to Table of Limits (No)

Inspection Procedures (No)

O. General Information

The Material Information section of this Service Bulletin provides the latest information concerning the availability of the affected parts.



2. Material Information

A. Material – Price and Availability

1. There is no new material cost to do this Service Bulletin when reidentified parts are used.
2. There is no kit provided to do this Service Bulletin.

B. Industry Support Program

Not Applicable.

C. The material data that follows is for each engine.

NOTE: The prices shown are for estimating purposes only and as such are given in good faith without commercial liability for advanced planning purposes only. Refer to IAE Spares and/or current Price Catalog for current prices.

For V2525-D5, V2528-D5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN(ATA/Figure/Item)	Instructions Disposition
2A2202-002	72	*	.Blade, A/O 2STG HPT OR	(72-45-32-01-010)	(3)(M)(I)
2A2202-003	72	*	.Blade, A/O 2STG HPT	(72-45-32-01-010)	(3)(M)(I)

D. Instructions/Disposition Code Statements:

Parts Modification Conditions

(3) The new part is a Field Reidentified Part now available for D5 Models.

Spare Parts Availability

(M) It is possible to get the new part only by modification.

Cleaning, Inspection and Repair Information

(I) The cleaning, inspection and repair requirements are the same for the old and new part. The applicable engine manuals will be revised.

E. Tooling – Price and Availability

Special tools are not required to accomplish this Service Bulletin.



F. Reidentified Parts

Not Applicable.

G. Other Material Information Data

Not Applicable.

3. Accomplishment Instructions

A. None.

B. Recording Instructions

(1) A record of accomplishment is required.

