



ENGINE - HP TURBINE ROTOR AND STATOR ASSEMBLY - PROVIDE NEW STAGE 1 HPT VANE PLATFORM
SEALS - CATEGORY CODE 7 - MOD.ENG-72-0151

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320, A321
McDonnell Douglas MD-90
- (2) Engine: V2500-A5 Engines before Serial No.V10012
V2500-D5 Engines before Serial No.V20007

B. Reason

(1) Condition

The two "L" shaped interlocking seals are replaced with two individual seals.

(2) Background

Not considered necessary.

(3) Objective

To provide new Stage 1 Vane HPT Platform Seals.

(4) Substantiation

None.

(5) Effects of Bulletin on Workshop Procedures:

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.

C. Description

- (1) Provide new Stage 1 HPT Vane Platform Seals.

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D. Approval

The Part Number Changes and/or part modifications described in Section 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Models listed.

E. Compliance

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Accomplish when supply of superseded parts has been depleted.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In service	Not applicable
(2) At overhaul	Not applicable

G. Material – Price and Availability

- (1) Modification Kit not required.
- (2) See "Material Information" section for prices and availability of future spares.

H. Tooling – Price and Availability

Special tools are not required to accomplish Sub-division 2 of this Service Bulletin.

I. Weight and Balance

- (1) Weight change None
- (2) Moment arm No effect
- (3) Datum Engine front mount Centerline
(Powerplant station P.P.S.100)

J. Electrical Load Data

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

K. Reference

- (1) Internal Reference No.

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(2) Other References

V2500 Engine Illustrated Parts Catalogs (V2500-A5 and V2500-D5).

V2500 Engine Manual.

MD-90 Engine Manual.

L. Other Publications Affected

- (1) The V2500 Engine Illustrated Parts Catalog Chapter/Section 72-44-20, Figure 1 (for both the V2500-A5 and V2500-D5), to add the new parts.
- (2) The V2500 Engine Manual Chapter/Section 72-44-00, Assembly, to add the new procedure for installing the new parts.
- (3) The MD-90 Engine Manual Chapter/Section 72-44-00, Assembly, to add the new procedure for installing the new parts.

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2. Accomplishment Instructions

A. Rework Instructions

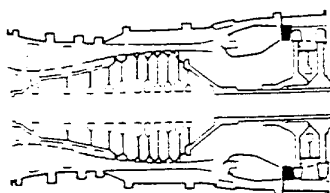
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

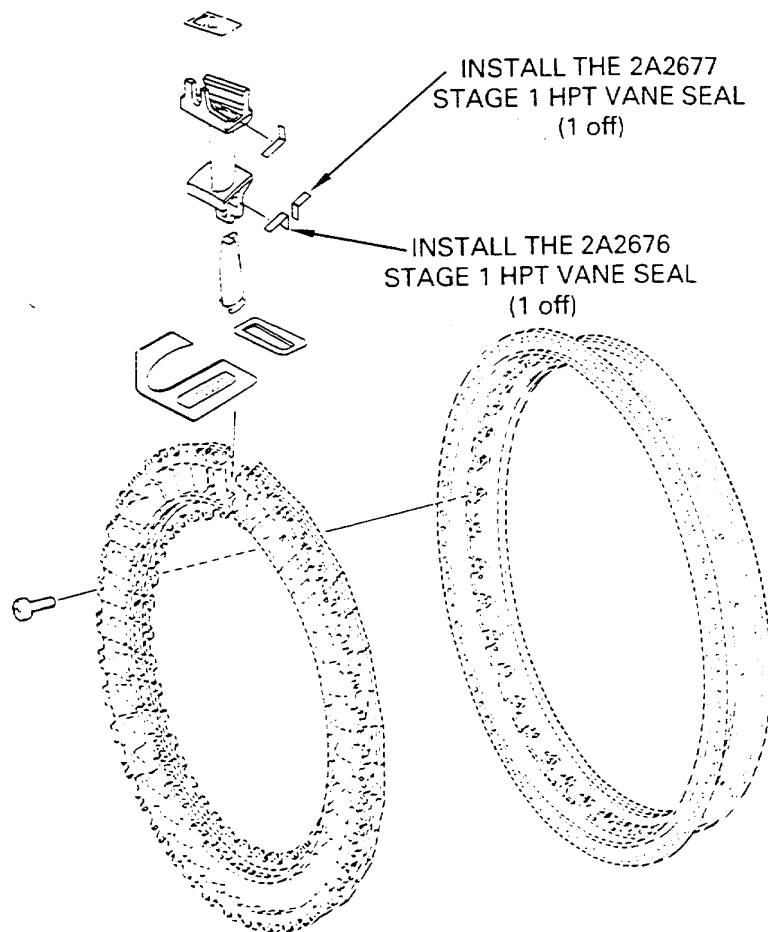
- (1) For V2500-A5 Engines
 - (a) Install the 2A2676 Stage 1 HPT Vane Seal (1 off) and the 2A2677 Stage 1 HPT Vane Seal (1 off) at 40 locations, when you install the HPT Vane Cluster Assemblies by the procedure given Reference (2), Chapter/Section 72-44-00, Assembly, and Figure 1.
- (2) For V2500-D5 Engines
 - (a) Install the 2A2676 Stage 1 HPT Vane Seal (1 off) and the 2A2677 Stage 1 HPT Vane Seal (1 off) at 40 locations, when you install the HPT Vane Cluster Assemblies by the procedure given in Reference (3), Chapter/Section 72-44-00, Assembly, and Figure 1.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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Location of the Stage 1 HPT Seal
Fig.1

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3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

None.

B. Parts affected by this Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
-	40	-	Seal, HPT Vane, Stage 1, Assembly	2A2325 (01-510)	(S1) (A)
(72-44-20)	1	-	.Seal, HPT Vane, Stage 1	2A2326 (01-512)	(S1)
-	1	-	.Seal, HPT Vane, Stage 1	2A2327 (01-514)	(S1)
(72-44-20)	40	-	Seal, HPT Vane, Stage 1	- (01-512)	(S1) (B)
2A2676 (72-44-20)	40	-	Seal, HPT Vane, Stage 1	- (01-514)	(S1) (B)

C. Instruction/Disposition Code Statements:

(S1) New Parts coded (S1) must replace Old Parts coded (S1) in a COMPLETE SET per engine.

(A) Old part will no longer be available.

(B) New part is currently available.

NOTE: The estimated 1993 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

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