



## SERVICE BULLETIN

ENGINE - LP COMPRESSOR - INTRODUCE A REVISED 2.5 STATOR ASSEMBLY WITH VANES  
INCORPORATING A RELOCATED LOCATOR BOLT HOLE - CATEGORY CODE 7 - MOD.ENG-72-0144

See Vendor Bulletin N

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A321  
(b) McDonnell Douglas MD-90
- (2) Engine : (a) V2500-A5 Engines prior to Serial Number V10009.  
(b) V2500-D5 Engines prior to Serial Number V20007.

B. Reason

(1) Condition

Incorrect assembly may occur among three (3) kinds of vanes in Stage 2.5 Stator Vane Assembly.

(2) Background

A review for existing Stage 2.5 Stator Vane Assembly has shown a possibility of vane misassembly.

(3) Objective

The incorporation of the Service Bulletin is intended to eliminate the possibility.

(4) Substantiation

Substantiation test is not required.

(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

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C. Description

The LP Compressor Stage 2.5 Stator Vane Assembly has been changed to relocate each fixing bolt for the vanes into individual positions.

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 Model listed.

E. Compliance

Category Code 7

Accomplish when supply of superseded parts has been depleted.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 is 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 this Service Bulletin.

I. Weight and Balance

- (1) Weight change ----- None
- (2) Moment arm ----- No effect.
- (3) Datum ----- Engine front mount centerline  
(Power Plant Station (P.P.S) 100)

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J. Electrical Load Data

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

K. References

(1) Internal Reference No.

92VJ008

92VJ008-01

(2) Other References

V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-32-76.

V2500 Engine Manual, 72-32-00 Assembly/Disassembly, 72-32-80  
Assembly/Disassembly.

L. Other Publications Affected

(1) V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-32-76, will be revised to include the new part.

(2) V2500 Engine Manual, Chapter/Section 72-32-76, will be revised to include the new part for Cleaning, Inspection/Check and Repair.



2. Accomplishment Instructions

A. Removal Instructions

- (1) Remove the LP compressor Stage 2.5 Stator Assembly part No. 5R0097 by the approved procedure in Reference 1.K.(2).

B. Rework Instructions

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

C. Installation Instructions

- (1) Install the LP Compressor Stage 2.5 Vane Assembly part No. 5R0189 by the approved procedure in Reference 1.K.(2).

D. Recording Instruction

A record of accomplishment is necessary.



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3. Material Information

Applicability: For each V2500 Engines 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
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For V2500-A5 Engines

5R0189 (72-32-76)	1		.Stator, A/O Stg 2.5 LPC	5R0097 (01-400)	(A)(S1)(1D)
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For V2500-D5 Engines

5R0195 (72-32-76)	1		.Stator, A/O Stg 2.5 LPC	5R0168 (01-400)	(A)(S1)(1D)
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For V2500-A5 and -D5 Engines

5R0191 (72-32-76)	40		..Vane A/O Stg 2.5 (O/C)	5R0145 (01-550)	(A)(B)(S2)
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5R0192 (72-32-76)	40		..Vane A/O Stg 2.5 (NOM)	5R0147 (01-565)	(A)(B)(S2)
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5R0193 (72-32-76)	40		..Vane A/O Stg 2.5 (U/C)	5R0149 (01-580)	(A)(B)(S2)
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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.

C. Instructions/Disposition Code Statements:

(A) New Parts are currently available for sale.

(B) Old Parts will continue to be available for sale.

(S1) Old and New Parts are freely interchangeable, both physically and functionally.

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(S2) Old and New Parts are not interchangeable.

(1D) Old Parts can continue to be used until supplies are exhausted.

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