

ENGINE - LP COMPRESSOR - RE-DESIGN THE LPC BLEED VALVE ACTUATING ROD - CATEGORY CODE 6
- MOD.ENG-72-0250

Printed in Great Britain

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A320
(b) Airbus A321
(c) Boeing-Douglas product Division MD-90
- (2) Engine: (a) V2522-A5 Engines prior to Serial No. V10276
(b) V2524-A5 Engines prior to Serial No. V10276
(c) V2527-A5 Engines prior to Serial No. V10276
(d) V2527E-A5 Engines prior to Serial No. V10276
(e) V2530-A5 Engines prior to Serial No. V10276
(f) V2533-A5 Engines prior to Serial No. V10276
(g) V2525-D5 Engines prior to Serial No. V20181
(h) V2528-D5 Engines prior to Serial No. V20181

B. Reason

(1) Condition

There is insufficient clearance between the LPC Bleed Valve Actuating Rod and the Fan Frame Wall.

(2) Background

It was found if the Bleed Valve Actuating Rods are interchanged between engines, contact between the rod and the fan frame wall can occur. This results in the track check message of 2.5 Bleed Valve Actuating System (2.5 BLD ACT) on the cockpit monitor.

(3) Objective

To re-design the LPC Bleed Valve Actuating Rod to keep sufficient clearance between the LPC Bleed Valve Actuating Rod and the Fan Frame Wall.

(4) Substantiation

Substantiation analysis has been completed.

(5) Effects of Bulletin on Workshop Procedures:

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SERVICE BULLETIN

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

C. Description

- (1) This Service Bulletin introduces a new LPC Bleed Valve Actuating Rod.
- (2) Existing Rod can not be reworked.

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

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Accomplish when the subassembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected parts.

F. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul (Note: The parts affected by this Service Bulletin are accessible at overhaul)	Not affected

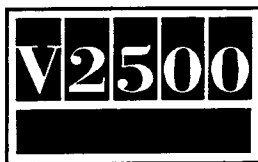
G. Material – Price and Availability

- (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.

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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

Not affected.

K. References

- (1) Internal Reference No.

95VJ055

- (2) Other References

V2500 Engine Illustrated Parts Catalogs (S-V2500-2IA and S-V2500-3IA), Chapter/Section 72-32-75

V2500 Engine Manuals (E-V2500-1IA and E-V2500-3IA), Chapter/Section 72-32-00, Assembly-08

L. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalogs (S-V2500-2IA and S-V2500-3IA), Chapter/Section 72-32-75 will be revised to add the new part numbers.

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2. Accomplishment Instructions

A. Rework Instructions

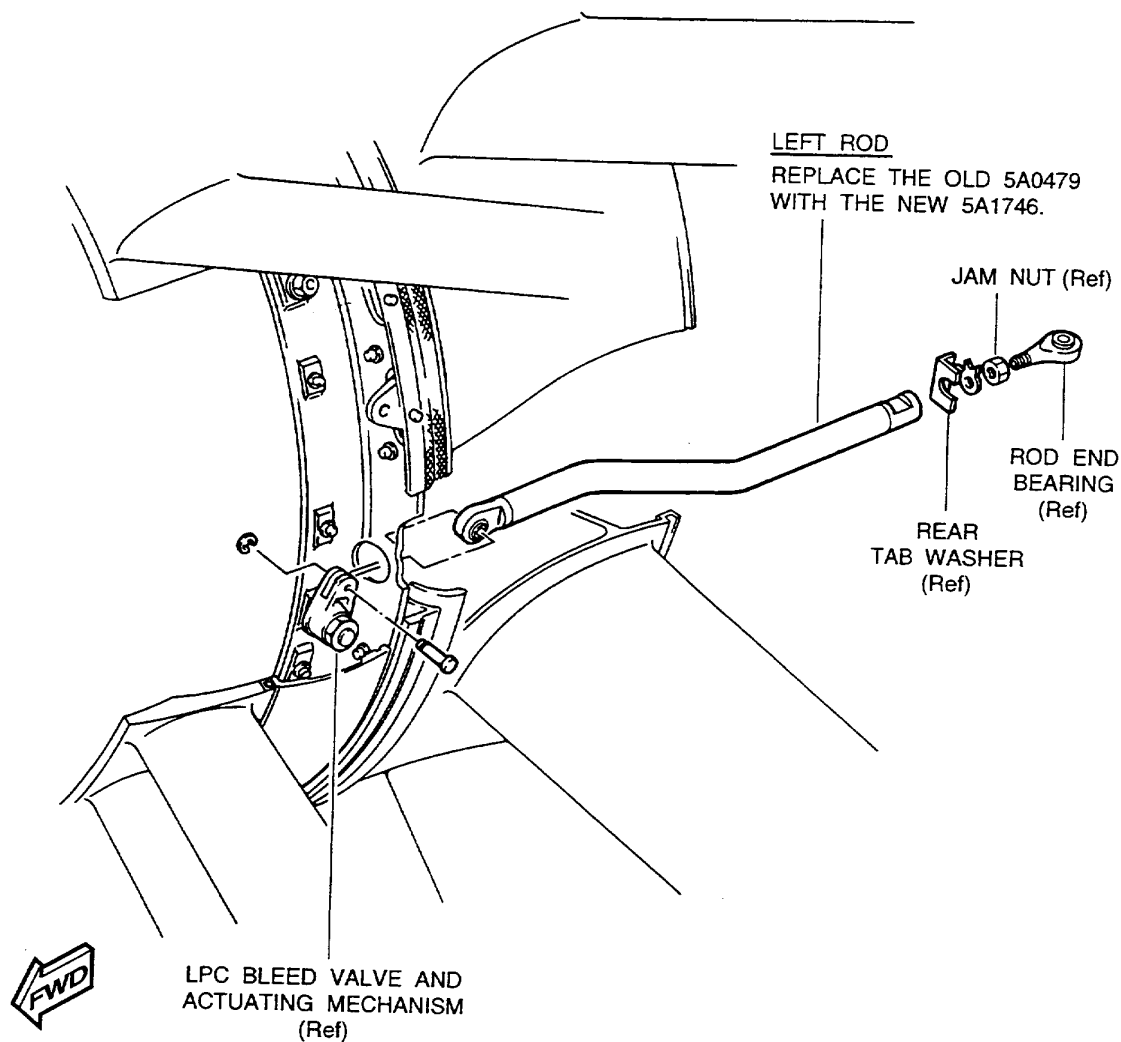
There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

- (1) Install the new 5A1746, Left Rod and the new 5A1747, Right Rod into the Left and Right LPC Bleed Valve Actuating Rod Mechanism by the approved procedures of Reference (2), Chapter/Section 72-32-00, Assembly-08.
(Refer to Figure 1, Sheet 1 and 2)

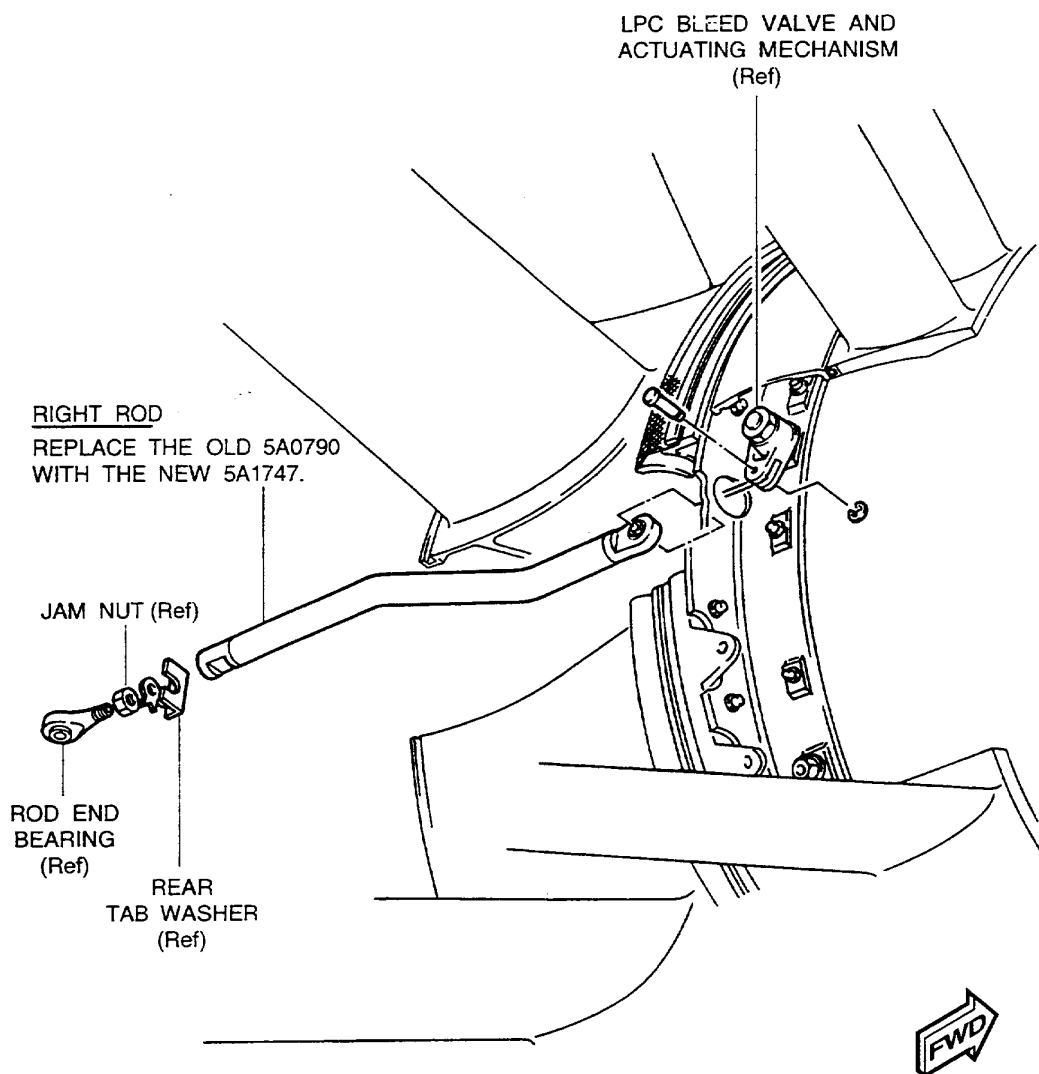
C. Recording Instructions

A record of accomplishment is required.



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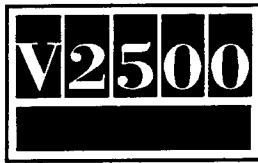
Replacement of LPC Bleed Valve Actuating Rod
Fig.1 (Sheet 1 of 2)



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Replacement of LPC Bleed Valve Actuating Rod
Fig.1 (Sheet 2 of 2)

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SERVICE BULLETIN

3. Material Information

Application: 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
5A1747 (72-32-75)	1		.Rod, A/O Right	5A0790 (01-200)	(A)(B)(S1)
5A1746 (72-32-75)	1		.Rod, A/O Left	5A0479 (01-500)	(A)(B)(S1)

C. Instruction/Disposition Code Statements:

(A) New part will be available in August 1997.

(B) Old part will continue to be supplied until New part is available.

(S1) Old and New parts are not freely and fully interchangeable.

NOTE: The estimated 1997 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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