



SERVICE BULLETIN

ENGINE - DIFFUSER AND COMBUSTION SECTION - REPLACE THE EXISTING NO. 4 BEARING SCAVENGE TUBE CRUSH GASKET WITH A GASKET HAVING IMPROVED SEALING FEATURES - CATEGORY CODE 6 - MOD.ENG-72-0167

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320, A321
McDonnell Douglas MD-90
- (2) Engine: V2500-A1 Engines before Serial No.V0348
V2500-A5 Engines before Serial No.V10036
V2500-D5 Engines before Serial No.V20007

B. Reason

(1) Condition

It is possible to improve the sealing function of the No. 4 Bearing Scavenge Tube Gasket.

(2) Background

The No. 4 Bearing Tube Gasket seal does not give the maximum seal that is possible.

(3) Objective

To improve the sealing function of the No. 4 Bearing Scavenge Tube Gasket.

(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.

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**C. Description**

- (1) Replace the No. 4 Bearing Scavenge Tube Gasket with one that has improved sealing compression.

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 6

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

(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) |

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J. Electrical Load Data

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

K. Reference

- (1) Internal Reference No.

92VA063A

- (2) Other References

V2500 Engine Illustrated Parts Catalogs (V2500-A1, 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 72-42-20, Figure 2 (for the V2500-A1, V2500-A5 and V2500-D5), to add the new parts.



2. Accomplishment Instructions

A. Rework Instructions

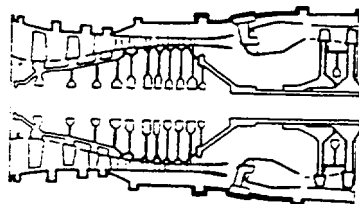
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

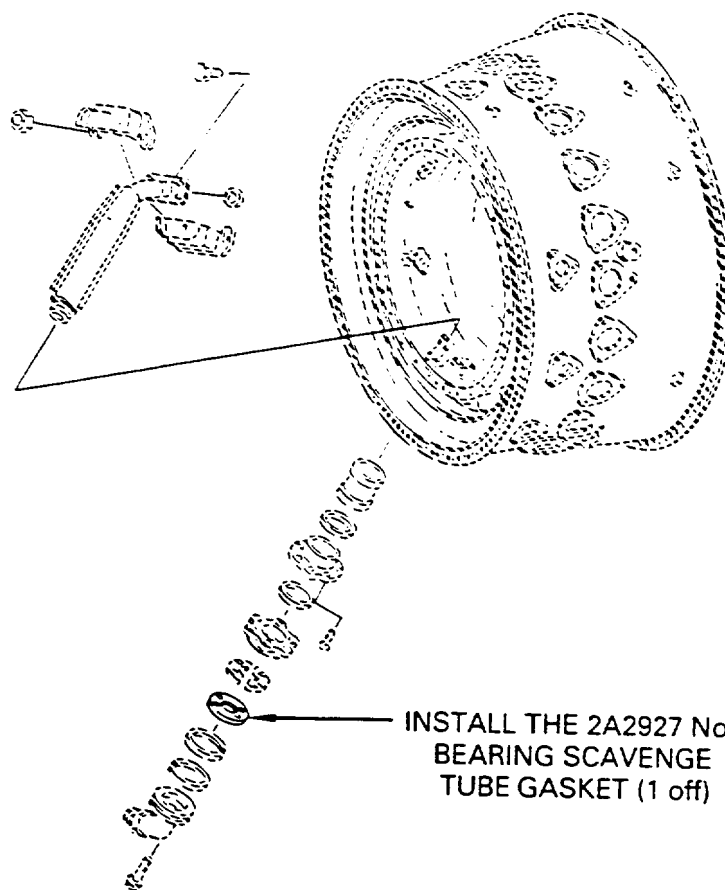
- (1) For V2500-A1 and V2500-A5 Engines
 - (a) When you install the No. 4 Bearing Scavenge Tube by the approved procedure given in Reference (2), Chapter/Section 72-42-00, Assembly, install the 2A2927 No. 4 Bearing Scavenge Tube Gasket (1 off). See Figure 1.
- (2) For V2500-D5 Engines
 - (a) When you install the No. 4 Bearing Scavenge Tube by the approved procedure given in Reference (3), Chapter/Section 72-42-00, Assembly, install the 2A2927 No. 4 Bearing Scavenge Tube Gasket (1 off). See Figure 1.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



MODULE 40



B8949

Location of the No.4 Scavenge Tube Gasket
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
2A2927 (72-42-20)	1	13.80	.Gasket, No. 4 Bearing Scavenge Tube	2A0347 (02-300)	(S1) (A) (B)

C. Instruction/Disposition Code Statements:

(S1) Old Parts and new parts coded (S1) are freely and fully interchangeable.

(A) Old part is no longer available.

(B) New part is currently available.

NOTE: The estimated 1994 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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