



SERVICE BULLETIN

ENGINE - NO. 4 BEARING COMPARTMENT - PROVIDE A NEW NO. 4 BEARING PRESSURE TUBE ASSEMBLY
- CATEGORY CODE 6 - MOD.ENG-72-0115

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines before Serial No.V0256*

* The Serial Number data shown is of a preliminary nature and is provided for advanced planning only. A future revision to this Service Bulletin will confirm final serial number effectivity.

B. Reason

(1) Condition

Internal oil coking has been found near the holes in the No. 4 Bearing Pressure Tube Heat Shield.

(2) Background

Borescope inspection of the No. 4 Bearing Oil Tube Assemblies on two test engines showed internal oil coking. It was found that the coking was caused by the two gaps, formed by the two cut-outs which are at each corner of the two Oil Tube Heat Shield Halves.

(3) Objective

To eliminate oil coking in the No. 4 Bearing Pressure Tube Assemblies and T3 (compressor discharge) air from leaking into the No. 4 Bearing Compartment.

(4) Substantiation

Successful analytical review.

(5) Effects of Bulletin on Workshop Procedures:

V2500-ENG-72-0115



SERVICE BULLETIN

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) A new No. 4 Bearing Pressure Tube Assembly with new heat shields that do not have the gaps at each end of the heat shield halves.

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 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.

V2500-ENG-72-0115



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.

90VA020

- (2) Other References

V2500 Engine Manual.

L. Other Publications Affected

- (1) The V2500 Engine Illustrated Parts Catalog Chapter/Section 72-42-20, Figure 1, to add the new parts.
- (2) The V2500 Engine Manual Chapter/Section 72-42-20, Cleaning, to add the new parts.
- (3) The V2500 Engine Manual Chapter/Section 72-42-20, Inspection, to add the new parts.



2. Accomplishment Instructions

A. Rework Instructions

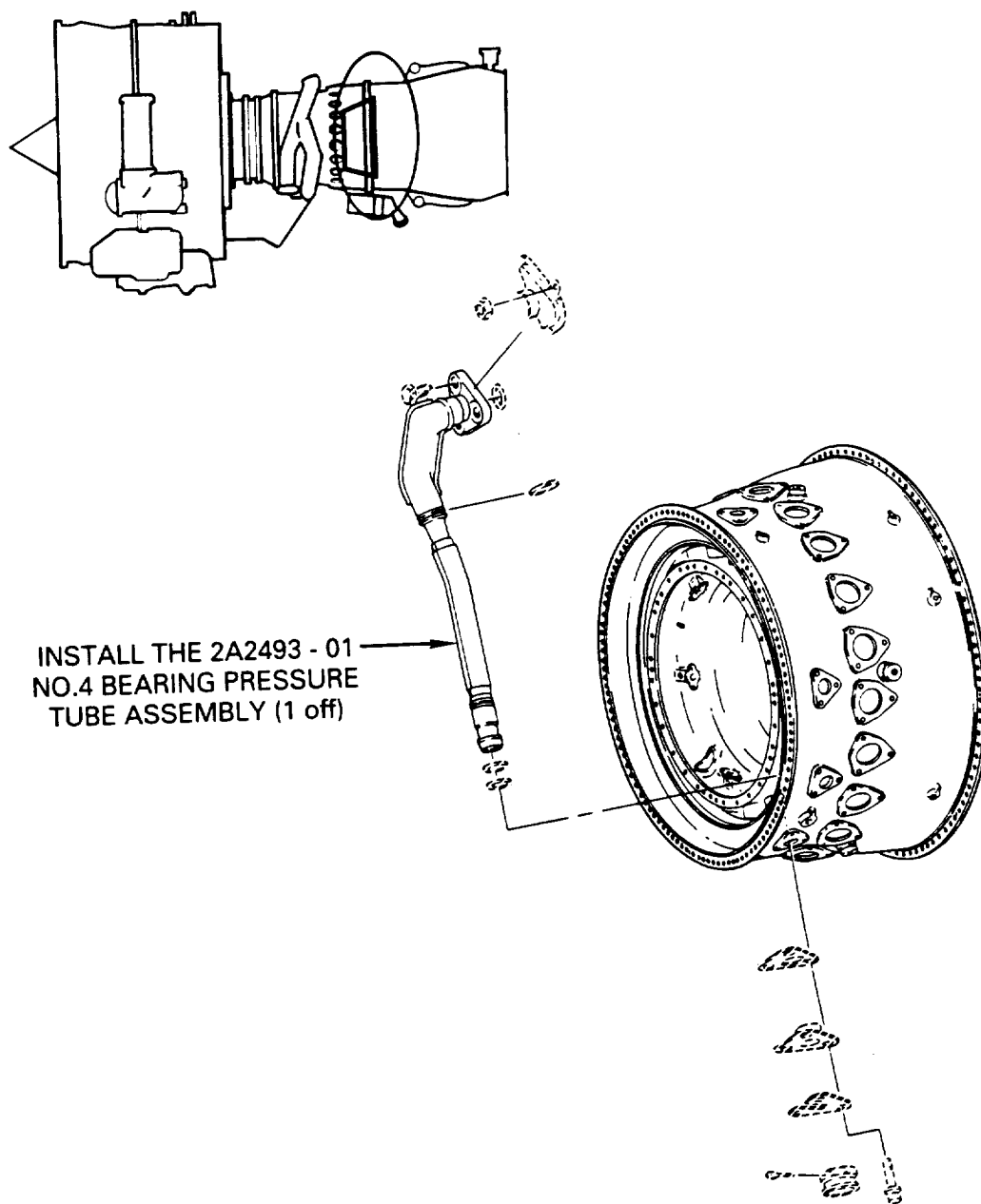
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

- (1) Install the 2A2493-01 No.4 Bearing Pressure Tube Assembly (1 off). Use the approved procedure in Reference (1), Chapter/Section 72-42-10, Assembly.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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Location of the No.4 Bearing Pressure Tube Assembly
Fig.1

V2500-ENG-72-0115



SERVICE BULLETIN

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
2A2493-01 (72-42-20)	1	3172.00	No. 4 Bearing Pressure Tube Assembly)	2A0835-01 (01-060)	(S1) (A) (B)

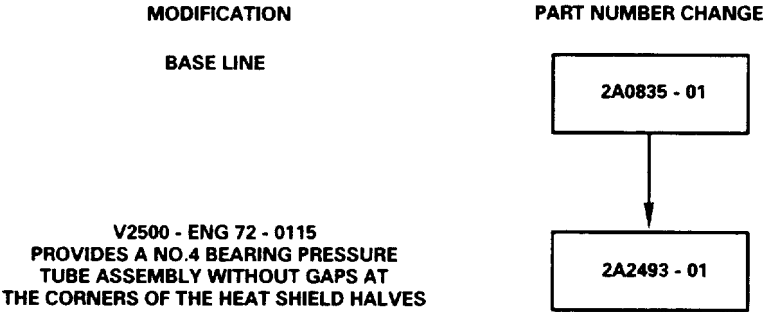
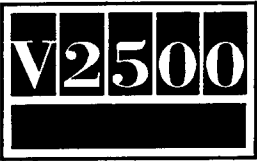
C. Instruction/Disposition Code Statements:

- (S1) Old Parts and New Parts coded (S1) are freely and fully interchangeable, both physically and functionally.
(A) New part is currently available.
(B) Old part will no longer be available.

NOTE: The estimated 1992 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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V2500-ENG-72-0115



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Family tree - No.4 Bearing Pressure Tube Assembly
Fig.4



International Aero Engines

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V2500-ENG-72-0115

Apr. 15/92

Page 8