



## SERVICE BULLETIN

ENGINE - NO.4 BEARING COMPARTMENT - PROVIDE A NEW SOURCE FOR THE NO.4 BEARING -  
CATEGORY CODE 7 - MOD.ENG-72-0126

### 1. Planning Information

#### A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines before Serial NO. V0346\*

\*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

A certain surface texture is necessary on the roller contact surfaces of the No.4 bearing.

##### (2) Background

One of the original manufacturers of these bearings will not continue to make aerospace bearings.

##### (3) Objective

To supply a bearing which has very high quality contact surfaces.

##### (4) Substantiation

Satisfactory endurance testing.

##### (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) Provide a new No.4 with very high quality contact surfaces.

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Accomplish when the supply of superseded parts has been depleted.

Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
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(1) In service	Not applicable
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(2) At overhaul	Not applicable
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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
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(2) Moment arm	..	..	..	No effect
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(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.

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K. Reference

- (1) Internal Reference No.

89VA246A

- (2) Other References

V2500 Engine Illustrated Parts Catalog.

V2500 Engine Manual.

L. Other Publications Affected

- (1) The V2500 Engine Illustrated Parts Catalog Chapter/Section 72-43-13, Figure 1, to add the new parts.
- (2) The V2500 Engine Manual Chapter/Section 72-43-13, Cleaning, to add the new parts.
- (3) The V2500 Engine Manual Chapter/Section 72-43-13, Inspection, to add the new parts.
- (4) The V2500 Engine Manual Chapter/Section 72-43-13, Repair, to add the new parts.



2. Accomplishment Instructions

A. Rework Instructions

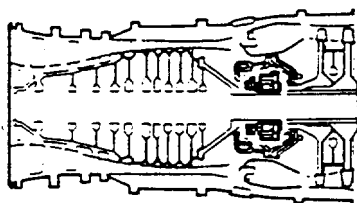
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

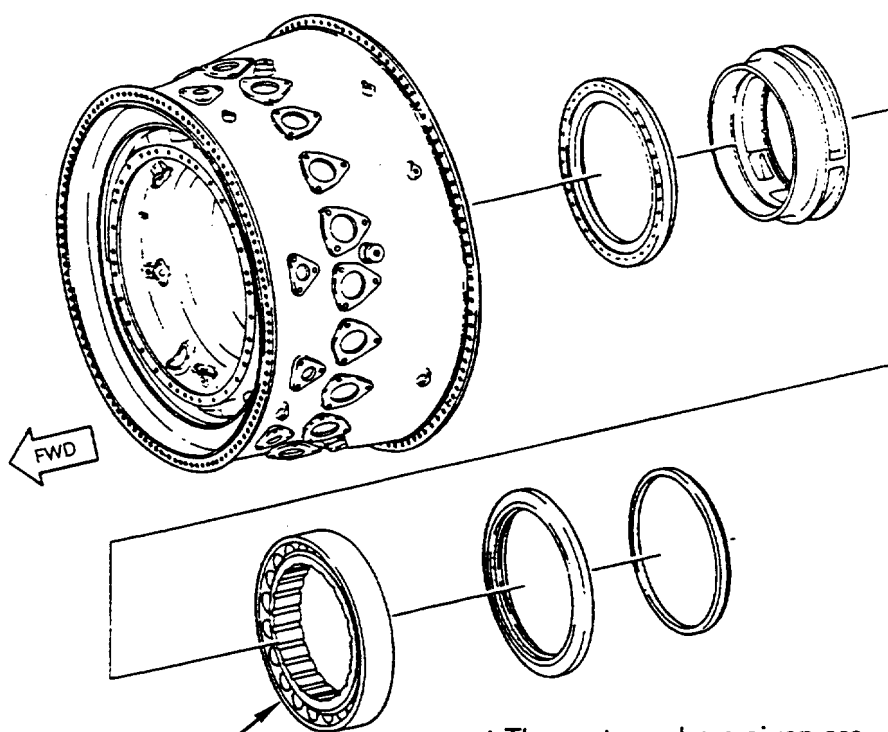
- (1) Install the 2A0001 or the 2A0003 No. 4 Roller Bearing (1 off). Use the approved procedure in Reference (2), Chapter/Section 72-00-43, Installation. See Figure 1.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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INSTALL THE  
2A0001 OR THE 2A0003  
No.4 ROLLER BEARING (1 off)\*

\*The part numbers given are  
details of the 2A0000  
bearing option

B8637

Location of the No.4 Bearing  
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
2A0000 (72-43-13)	1	-	Bearing, Option	2A0000 (01-010)	(S1) (A)
2A0001 (72-43-13)	Ref.	-	Consisting of: .Bearing - Roller, No. 4	2A0001 (01-010)	(S1)
			or		
2A0003 (72-43-13)	Ref.		.Bearing - Roller No. 4	2A0006 (01-010)	(S1) (B)

C. Instruction/Disposition Code Statements:

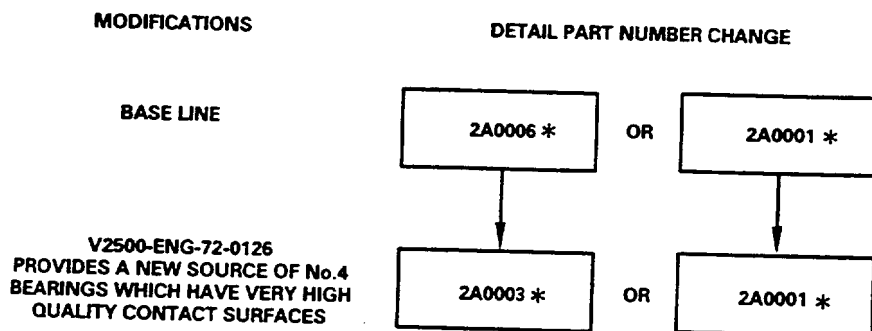
- (S1) Old and New Parts coded (S1) are directly interchangeable.  
(A) New part is currently available  
(B) Old part will no longer be available.

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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\* THE PART NUMBERS GIVEN ARE DETAILS  
OF THE 2A0000 BEARING OPTION

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. Family Tree - No.4 Bearing Catalog Sequence No. 72-43-13 Fig 01, Item 010  
Fig 2

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**International Aero Engines**

**SERVICE BULLETIN**

Printed in Great Britain

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Jan.15/94

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