



SERVICE BULLETIN

ENGINE - TURBINE EXHAUST - REPLACE THE NO. 5 BEARING REAR COVER PACKING WITH A NEW IMPROVED SEAL - CATEGORY CODE 6 - MOD.ENG-72-0173

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines before Serial No.V0343*

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

B. Reason

(1) Condition

The cover packing does not give the maximum seal that is possible.

(2) Background

The seal function can be improved by a change of material.

(3) Objective

To improve the function of the Rear Cover Packing (No. 5 Bearing).

(4) Substantiation

Prior experience on another engine model.

(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) The change provides a new No. 5 Bearing Cover Seal, which is made from a different material.

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.

H. Tooling - Price and Availability

Special tools are not required.

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

- (1) This Service Bulletin has no effect on the aircraft electrical load.

K. Reference

- (1) Internal Reference No.

93VA005

- (2) Other references

V2500-A1 Engine Illustrated Parts Catalog.

V2500 Engine Manual.

L. Other Publications Affected

- (1) V2500-A1 Engine Illustrated Parts Catalog, Chapter/Section 72-58-01, Figure 1, to add the new parts.
- (2) V2500 Engine Manual, Chapter/Section 72-00-50, Installation-04, to add the installation of the new parts.



2. Accomplishment Instructions

A. Rework Instructions

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

B. Assembly Instructions

CAUTION: DO NOT INSTALL THE SEAL IN THE INCORRECT POSITION. THIS CAN CAUSE A DECREASE OF THE SEAL FUNCTION.

- (1) For V2500-A1 Engines not Incorporating V2500-ENG-72-0063

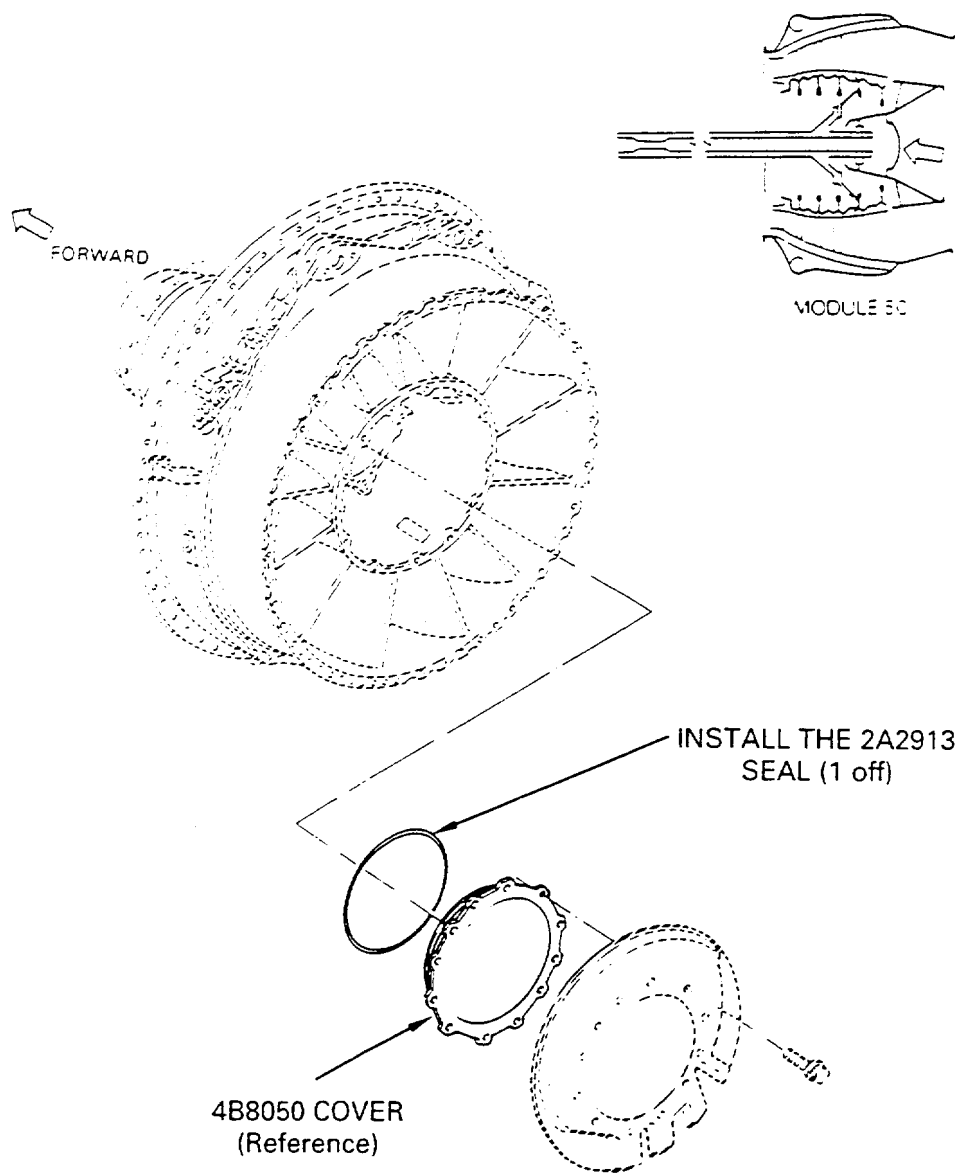
- (a) Install the 2A2913 Seal (No. 5 Bearing Rear Cover) (1 off) by the instructions given in Reference (2), Chapter/Section 72-00-50, Installation-04. See Figures 1, and 3.

- (2) For V2500-A1 Engines Incorporating V2500-ENG-72-0063

- (a) Install the 2A2899 Seal (No. 5 Bearing Rear Cover) (1 off) by the instructions given in Reference (2), Chapter/Section 72-00-50, Installation-04. See Figures 2, and 3.

C. Recording Instructions

- (1) A record of accomplishment is necessary.

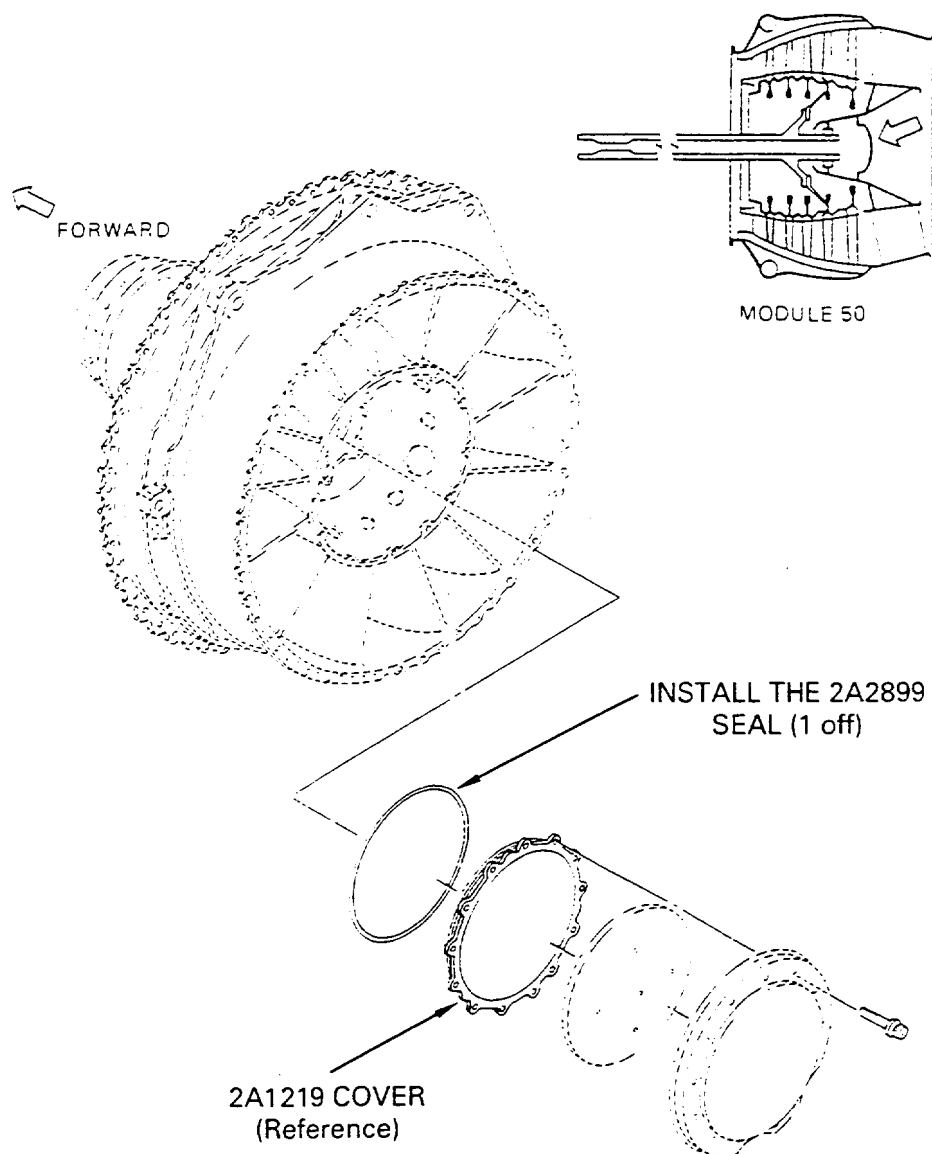


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Location of the Seal (No. 5 Bearing Rear Cover) For V2500-A1 Engines Not Incorporating V2500-ENG-72-006

Fig.1

V2500-ENG-72-0173

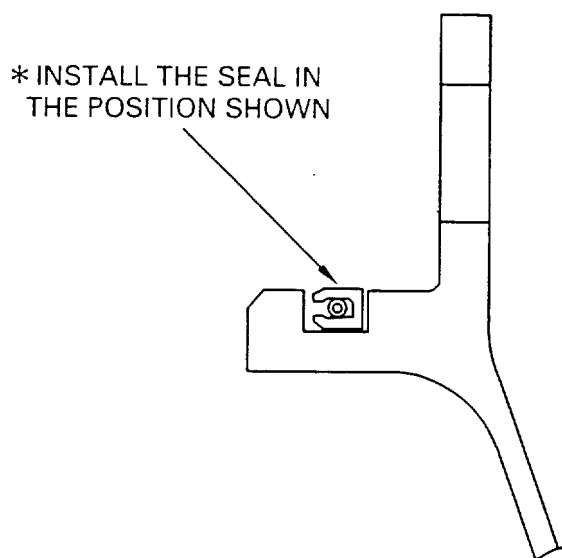


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Location of the Seal (No. 5 Bearing Rear Cover) For V2500-A1 Engines Which Incorporate V2500-ENG-72-0063

Fig.2

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SECTION THROUGH THE COVER
THAT SHOWS THE SEAL INSTALLED
(Typical)

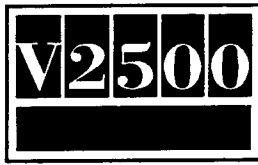
* 2A2913 SEAL FOR V2500 - A1 ENGINES NOT INCORPORATING
V2500 - ENG - 72 - 0063

* 2A2899 SEAL FOR V2500 - A1 ENGINES INCORPORATING V2500 - ENG - 72 - 0063

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Installation of the Seal (No. 5 Bearing Rear Cover)
Fig.3

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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
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Applicability: For each V2500-A1 Engine, which does not incorporate V2500-ENG-72-0063 to incorporate this Service Bulletin.

2A2913 (72-58-01)	1	-	..Seal - Plain	AS3209-167 (01-160)	(S1 (A) (B)
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Applicability: For each V2500-A1 Engine, which Incorporates V2500-ENG-72-0063, to incorporate this Service Bulletin.

2A2899 (72-58-01)	1	-	..Seal - Plain	AS3209-166 (20-160)	(S1 (B) (C)
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C. Instruction/Disposition Code Statements:

- (S1) Old and new parts coded (S1) are directly interchangeable.
- (A) New part is will be available approximately August of 1993.
- (B) Old Part will no longer be available for sale.
- (C) New part is currently 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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