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V2500-A5 SERIES PROPULSION SYSTEM SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-72-0152 and the Initial Issue of the Supplement

Bulletin Initial Issue

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Supplement Initial Issue

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LIST OF EFFECTIVE PAGES

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Printed in Great Britain

ENGINE – LP COMPRESSOR – REPLACE THE PTO DRIVE BEARING SUPPORT SHAFT SEALING RING**1. Planning Information****A. Effectivity**

- (1) Airbus A320

V2527–A5 Engines prior to Serial No.V10010

- (2) Airbus A321

V2530–A5 Engines prior to Serial No.V10010

B. Concurrent Requirements

None.

C. Reason

- (1) Condition

When the oil seal tube is installed into Fan Case Assembly, the existing sealing ring may cause twist in the housing A/O centre bearing.

- (2) Background

For assembly easement.

- (3) Objective

To introduce new sealing ring into the centre bearing housing A/O.

- (4) Substantiation

Substantiation testing has been successfully completed.

- (5) Effect of Bulletin on:

- (a) Removal/Installation

Not affected.

- (b) Disassembly/Assembly

Not affected.

(c) Cleaning

Not affected.

(d) Inspection/Check

Not affected.

(e) Repair

Not affected.

(f) Testing

Not affected.

(6) Supplemental Information

None.

D. Description

- (1) The new sealing ring is introduced at centre bearing housing A/0.

NOTE: The existing sealing ring inside diameter is 1.598 to 1.628in. (40,56 to 41,33 mm) and new sealing ring inside diameter is 1.660 to 1.690in. (42,14 to 42,90 mm).

E. Approval

The part number changes and part modifications described in Sections 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.

F. 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.

G. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:

- (1) In service

Not applicable.

(2) At overhaul

Not applicable.

No additional time is required to maintain the new configuration.

H. Material Price and Availability

Modification kit is not required.

I. Tooling Price and Availability

Special tools are not required.

J. Weight and Balance

(1) Weight Change

None.

(2) Moment Arm

No Effect.

(3) Datum

Engine Front Mount Centreline (Power Plant Station (PPS) 100).

K. Electrical Load Data

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

L. References

(1) V2500 Engine Illustrated Parts Catalogue.

(2) V2500 Engine Manual.

(3) Engineering Change No. - 92VJ112.

(4) ATA Locator - 72-32-00.

M. Other Publications Affected

(1) V2500 Engine Illustrated Parts Catalogue, Chapter/Section 72-32-00 has been revised.

2. Material Information

A. Kits associated with this Bulletin:

None.

B. Parts affected by this Bulletin:

Applicability: For V2500-A5 Engine to incorporate this Bulletin.

72-32-00

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	OLD PART NO.	INSTR DISP
02-615	AS43013-131	1	.Ring, Sealing Toroidal	AS43013-130	(A)(B)(S1)

C. Instruction Disposition Codes:

(A) New part is currently available for sale.

(B) Old part will no longer be available for sale.

(S1) Old and new parts are freely and fully interchangeable, both physically and functionally.

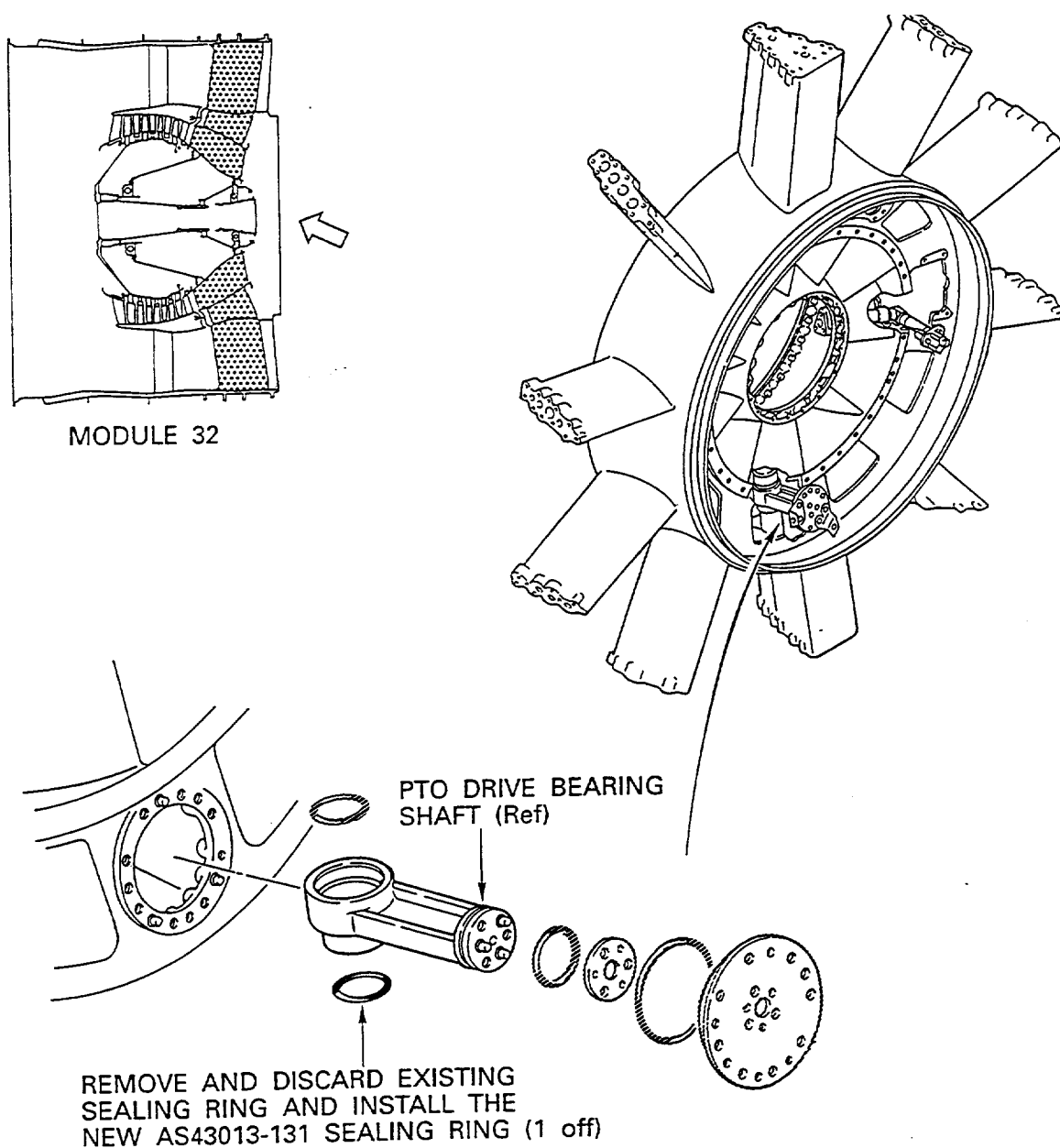
3. Accomplishment Instructions

A. Assembly Instructions

- (1) Remove and discard the existing sealing ring from the groove in the centre bearing housing assembly by approved procedures in Reference (2), Chapter/Section 72-32-00, Disassembly-14 (Refer to Figure 1).
- (2) Install the new AS43013-131, sealing ring into the groove in the centre bearing housing assembly by approved procedures in Reference (2), Chapter/Section 72-32-00, Assembly-02 (Refer to Figure 1).

B. Recording Instructions

- (1) A record of accomplishment is necessary.



Replacement of the Sealing Ring
Figure 1

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Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

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ENGINE - LP COMPRESSOR - REPLACE THE PTO DRIVE BEARING SUPPORT SHAFT SEALING RINGSUPPLEMENT - PRICES AND AVAILABILITY

The prices (if shown) are for estimating purposes only and as such are given in good faith, without commercial liability for advanced planning purposes only. Refer to IAE Spares and/or current price catalogue for current prices.

1. Modification Kit:

Not applicable.

2. Parts required:

Part No.	Description	Unit Price US Dollars
AS43013-131	Ring, Sealing	8.32