



ENGINE - LP COMPRESSOR - REPLACEMENT OF NO.3 BEARING SEAL RING HOLDER - CATEGORY CODE
7 - MOD.ENG-72-0010

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines prior to Serial No.V0032, except V0024

B. Reason

(1) Condition

Not applicable

(2) Background

A titanium Seal Ring Holder of No.3 Bearing Seal Assembly has been provided in place of existing steel Seal Ring Holder.

(3) Objective

The changes in configuration recommended in this Service Bulletin are designed to reduce the engine weight.

(4) Substantiation

The changes introduced by this Service Bulletin are analytically substantiated.

(5) Effects of Bulletin on the following shop functions:

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Affected (See Supplemental Information)
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

The existing cleaning process does not apply to the new configuration.

C. Description

- (1) The changes introduced by this Service Bulletin are as follows:

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(a) 2A1288 Seal Ring Holder made of titanium supersedes 2A1790 Seal Ring Holder made of steel

(b) Existing 2A1794 No.3 Bearing Seal Assembly can be reidentified as 2A1289 by replacing the Seal Ring Holder from 2A1790 to 2A1288.

D. Approval

The part number changes 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.

C. Compliance

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Accomplish when supply of superseded parts has been depleted.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In service	Not applicable
(2) In shop	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 Minus 1.0 lbs (0.45 kg)
- (2) Moment arm No effect
- (3) Datum Engine front mount centreline
(Power Plant Section (PPS) 100)

**SERVICE BULLETIN****J. Electrical Load Data**

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

K. References

- (1) Internal Reference No.

88VJ012

- (2) Other References

V2500 Engine Illustrated Parts Catalog, 72-32-25.

V2500 Engine Manual, 72-32-25, Assembly.

V2500 Standard Practices/Processes Manual, 70-09-00, Marking of Parts.

L. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalog, 72-32-25, to add the new part.
- (2) V2500 Engine Manual, Chapter/Section 72-32-25, Cleaning, to add the new part.
- (3) V2500 Engine Manual, chapter/Section 72-32-25, Inspection/Check, to add the new part.
- (4) V2500 Engine Manual, Chapter/Section 72-32-25, Repair, to add VRS3483, 3484, 3485, 3486 and 3487.

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2. Accomplishment Instructions

A. Rework Instructions

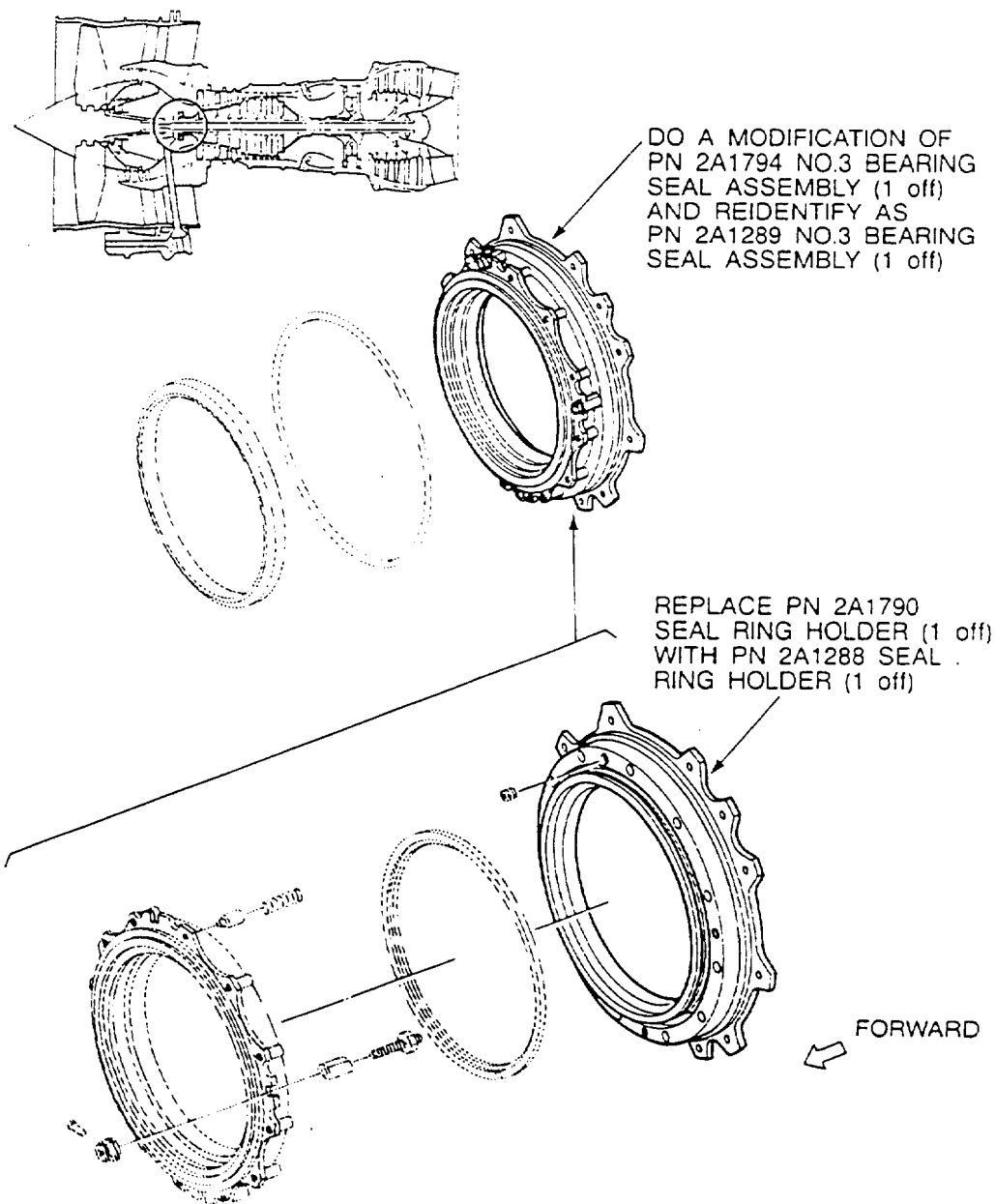
- (1) There are no rework instructions necessary for this Service Bulletin.

B. Assembly Instructions

- (1) Install 2A1288 Ring Holder by Figure 1 and approved procedure in Reference (2), Chapter/Section 72-32-25, Assembly.
- (2) Reidentify 2A1794 No.3 Bearing Seal Assembly as 2A1289. Refer to Reference (3), Chapter/Section 70-09-00, Marking of Parts. Use the vibration peen method.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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Location of No.3 Bearing Seal Assembly
Fig.1



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
2A1289 (72-32-25)	1	6793.00	Seal Assembly, No.3 Bearing	2A1794 (02-100)	(1D)(A)
2A1288 (72-32-25)	1	4202.00	Seal, Ring Holder	2A1790 (02-230)	(A)

C. Instruction/Disposition Code Statements:

(1D) A modification can be done to the Old Part and it can be reidentified as the New Part Number.

(A) New part is currently available.

NOTE: The estimated 1991 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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