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**V2500-A1/A5 SERIES PROPULSION SYSTEM SERVICE BULLETIN**

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-70-0825

Bulletin Initial Issue

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Service Bulletin

Reason for change  
Initial issue

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

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INFORMATION - LP TURBINE - TO ANNOUNCE AVAILABILITY OF ADDITIONAL ADJUSTING RINGS  
WITH DIFFERENT THICKNESS

1. Planning Information

A. Effectivity

- (1) Airbus A319  
V2522-A5, V2524-A5 Engines
- (2) Airbus A320  
V2500-A1, V2527-A5, V2527E-A5 Engines
- (3) Airbus A321  
V2530-A5, V2533-A5 Engines

B. Concurrent Requirements

None.

C. Reason

(1) Problem

The Adjusting Ring is used to adjust the relative position between LPT Rotor and Stator. Eight kinds of Adjusting Rings with different thickness are currently supplied. However, thinner Adjusting Rings than the existing ones become high frequency of use due to introduction of SBE72-0391. At present, when the thinner Adjusting Ring is required, the thickest Adjusting Ring must be machined to meet the required thickness.

(2) Evidence

Refer to C. (1).

(3) Substantiation

Analytically substantiated.

(4) Objective

To introduce additional Adjusting Rings with thinner thickness to reduce occurrence of machining the Adjusting Ring.



## (5) Effect of Bulletin on:

## (a) Operation

Not affected.

## (b) Maintenance

Not affected.

## (c) Overhaul

Not affected.

## (d) Repair Schemes

Not affected.

## (e) Interchangeability

Not affected.

## (f) Fits and Clearances

Not affected.

## (6) Supplemental Information

None.

D. Description

## (1) The thickness of the new Adjusting Rings are as follows:

ATA No.	Fig/Item	Part No.	Thickness
72-00-50	01-315	5A1881	0.4675 in. (11,875 mm.)
72-00-50	01-316	5A1882	0.4724 in. (12,000 mm.)
72-00-50	01-317	5A1883	0.4774 in. (12,125 mm.)



NOTE: The thickness of the existing Adjusting Rings are as follows:

ATA No.	Fig/Item	Part No.	Thickness
72-00-50	01-300	5A0996	0.5906 in. (15,000 mm.)
72-00-50	01-303	5A0997	0.4823 in. (12,250 mm.)
72-00-50	01-304	5A0998	0.4872 in. (12,375 mm.)
72-00-50	01-305	5A0999	0.4921 in. (12,500 mm.)
72-00-50	01-306	5A1036	0.4970 in. (12,625 mm.)
72-00-50	01-307	5A1037	0.5020 in. (12,750 mm.)
72-00-50	01-308	5A1038	0.5069 in. (12,875 mm.)
72-00-50	01-309	5A1839	0.5118 in. (13,000 mm.)

E. Compliance

For information only.

F. Approval

The part number transactions are given in the Material Information section of this Service Bulletin. They comply with the applicable Federal Aviation Regulations and are FAA- APPROVED for the engine models listed.

G. Manpower

Not applicable.

H. Material Price and Availability

Modification kit not required; parts supplied as single line items.

For prices and availability of future spares see 2. Material Information.

I. Tooling Price and Availability

Not applicable.

J. Industry Support Information

Not applicable.

K. Weight and Balance

(1) Weight Change

Not affected.



- (2) Moment Arm

Not affected.

- (3) Datum

Engine front mount centreline (Power Plant Station (P.P.S.) 100)

L. Electrical Load Data

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

M. Software Accomplishment Summary

Not applicable.

N. References

- (1) IAE Engineering Change No. 01VJ008.

- (2) IAE Service Bulletin No. V2500-ENG-72-0391

New separate type No.1 bearing support assembly

- (3) ATA Locator - 72-00-00

O. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-00-50 Fig 01 will be revised to add the new part number.

- (2) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-00-50, Installation-02 Config-01, Config-02 and Config-03 will be revised to add the new part number.

- (3) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-00-50, Installation-03 will be revised to add the new part number.

- (4) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-00-50, Installation-05 Config-01, Config-02 and Config-03 will be revised to add the new part number.

- (5) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-00-50, Cleaning-04 Config-01 will be revised to add the new part number.

- (6) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-00-50, Inspection-03 Config-01 will be revised to add the new part number.

- (7) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-00-50, Repair 004 (VRS 1121) will be revised to add the new part number.



P. Interchangeability of Parts

Not applicable.

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## 2. Material Information

### A. The kit required consists of the following parts:

None.

### B. New production parts:

Part No.	Qty	Unit Price
5A1881	1	-
5A1882	1	-
5A1883	1	-

### C. Parts affected by this Bulletin:

V2500-A1 and A5 Engines

72-00-50

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	OLD PART NO.	INSTR DISP
01315	5A1881	Ref	Ring, Adjust, THK 0.4675 IN	-	(A)
01316	5A1882	Ref	Ring, Adjust, THK 0.4724 IN	-	(A)
01317	5A1883	Ref	Ring, Adjust, THK 0.4774 IN	-	(A)

### D. Instructions disposition codes:

(A) New part will be available in March 2003.

## 3. Accomplishment Instructions

None.