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V2500-A5/D5 PROPULSION SYSTEMS SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-70-0824

Bulletin Initial Issue

Remove

Incorporate
Pages 1 to 5 of the
Service Bulletin

Reason for change
Initial issue

V2500-ENG-70-0824
Transmittal - Page 1 of 2

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

<u>Page</u>	<u>Revision Number</u>	<u>Revision Date</u>
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Bulletin		
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1		Oct.3/02
2		Oct.3/02
3		Oct.3/02
4		Oct.3/02
5		Oct.3/02

Printed in Great Britain

V2500-ENG-70-0824
Transmittal - Page 2



ENGINE – LP COMPRESSOR – INTRODUCTION OF VALVE RING WITH SOLID RIVET

1. Planning Information

A. Effectivity

- (1) Airbus A319
V2522-A5, V2524-A5 Engines
- (2) Airbus A320
(a) V2527-A5, V2527E-A5 Engines
- (3) Airbus A321
V2530-A5, V2533-A5 Engines
- (4) Boeing – Longbeach Division MD-90
V2525-D5, V2528-D5 Engines
- (5) ATA Locator
72-32-00

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Existing Manufacturing process requires bonding the Guide to the Valve Ring due to use of drill hole type rivets.

(2) Evidence

Refer to C. (1), use of solid rivets have high strength, removing the need for a bonding process.

(3) Substantiation

Analytically substantiated.



(4) Objective

To introduce new Valve Ring with solid type rivets in order to delete the bonding process.

(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Not affected.

(d) Repair Schemes

Affected (See Supplemental Information)

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

(6) Supplemental Information

Existing Repair Scheme does not apply to the new Valve Ring assembly. The existing Repair Scheme will be revised to add new process with the solid type rivets for the new Valve Ring.

D. Description

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

(a) The configuration of the Valve Ring is changed. The rivets, composition of the Valve Ring, is changed from through drill holes type (5A1506) to solid type (5A1873).

(b) Process of bonding between the Guide and the Valve Ring Assembly is deleted because of application of the solid type rivets.

(2) New Valve Ring will be available for replacement purpose only.



- (3) Part number of repaired existing Valve Ring 5A1686 with new rivets 5A1873 is not changed.

E. Compliance

Category Code 7

Accomplish when there are no original parts remaining.

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. 01VJ026.

O. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-32-72 Fig 02 will be revised to add the new part number.
- (2) V2500 Engine Manual, Chapter/Section 72-32-72, Cleaning-01 config-01 will be revised to add the new part number.
- (3) V2500 Engine Manual, Chapter/Section 72-32-72, Inspection-02 config-01 will be revised to add the new part number.
- (4) V2500 Engine Manual, Chapter/Section 72-32-72, Repair 007 (VRS 1785) will be revised to add the procedure for new part.

P. Interchangeability of Parts

Old and new Valve Ring are directly interchangeable, and old and new rivets are also directly interchangeable.



2. Material Information

A. The kit required consists of the following parts:

None.

B. New production parts:

Part No.	Qty	Unit Price
5A1872	1	-
5A1873	40	-

C. Parts affected by this Bulletin:

V2500-A5 and D5 Engines

72-32-72

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
02100	5A1872	1	Ring, A/O Valve	-	5A1686	(A)(B) (S1)
02147	5A1873	40	Rivet	-	5A1506	(A)(B) (S1)

D. Instructions disposition codes:

(A) New part will become available when existing stock of old parts has been exhausted.

(B) Old parts will continue to be supplied until existing supplies have been depleted.

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

3. Accomplishment Instructions

None.

