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This document transmits Revision 2 to Service Bulletin EV2500-72-0345

Document History

Service Bulletin Revision Status	Supplement Revision Status
Initial Issue	Jan.15/99
Revision 1	Jan.29/99

Bulletin Revision 2

Remove	Incorporate	Reason for change
All pages of the Service Bulletin	Pages 1 to 6 of the Service Bulletin	To revise engine Incorporation and editorial changes

V2500-ENG-72-0345

Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED-if any have not been received please advise
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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 2 are as follows:

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MODIFICATION SERVICE BULLETIN – ENGINE – HP COMPRESSOR SPLIT CASES – INTRODUCTION OF
REVISED STAGE 4 AND 5 ROTOR PATH SEAL RING SEGMENTS

1. Planning Information

A. Effectivity

- R (1) Airbus A319
- R (a) V2522-A5, V2524-A5 Engines before Serial No.V10689 but excluding
R V10622 to V10674
- R (2) Airbus A320
- R (a) V2527-A5, V2527E-A5 and V2530-A5 Engines before Serial No. V10689 but
R excluding V10622 to V10674
- R (3) Airbus A321
- R (a) V2533-A5 Engines before Serial No. V10689 but excluding V10622 to
R V10674
- R (4) Boeing Long Beach Division MD-90
- R (a) V2525-D5, V2528-D5 Engines before Serial No. V20286
- (5) ATA Location
- 72-41-00

B. Concurrent Requirements

None.

C. Reason

(1) Problem

A design review has shown that the manufacture of the ring segments for the Stage-4 and 5 of the HP Compressor can be improved.

(2) Evidence

Refer to (1).

(3) Objective

The purpose of this Service Bulletin is to simplify manufacture.



(4) Substantiation

A satisfactory engineering analysis has been done on the changes introduced by this Service Bulletin.

(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Affected.

(d) Repair Schemes

Not affected

(e) Interchangeability

Not affected

(f) Fits and Clearances

Not affected

D. Description

(1) The ring segments for the Stage-4 and 5 rotor path have been revised, the changes are as follows:

(a) Due to a change in the manufacturing process, the ring segments do not have a thickened section at each end.

(b) So that the existing sealing strips can be installed, the sealing strip slot has been moved to a central position.

E. Compliance

Category Code 7

Accomplish when there are no superseded parts remaining.



F. Approval

The part number changes and/or part modifications are given in Section 2 and 3 of this Service Bulletin. They comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine models listed.

G. Manpower

Estimate of manhours necessary to embody this Service Bulletin in full:

- (1) In Service Not applicable.
- (2) At Overhaul No additional time is necessary to embody this Service Bulletin.

NOTE: It is possible to get access to the parts affected by this Service Bulletin at overhaul.

H. Material – Price and Availability

- (1) A modification kit is not necessary.
- (2) Material Information for prices and availability of future spares.

I. Tooling – Price and Availability

Special tools are not necessary.

J. Weight and Balance

- (1) Weight Change

Minus 0.24 lb (0,11 kg)

- (2) Moment Arm

10.35 in (262,89 mm) Rear of Datum

- (3) Datum

Engine front mount centreline (Power Plant Station (PPS) 100)

K. Electrical Load Data

The aircraft electrical load is not affected by this Service Bulletin.

L. References

- (1) Internal Reference No.

EC98VR033



(2) Other References

A5/D5 Engine Manual (EM), Chapter/Sections 72-41-30, Disassembly/Assembly.

M. Other Publications Affected

(1) Illustrated Parts Catalogue (IPC), Chapter/Section 72-41-31.

(2) A5/D5 Engine Manual (EM), Chapter/Sections 72-41-30, Disassembly/Assembly and 72-41-31 Cleaning, Inspection/Check and Repair.

N. Interchangeability of Parts

The ring segments are only interchangeable with the existing parts as a complete set.



2. Material Information

A. Material Prices and Availability

B. Kits necessary for this Service Bulletin:

None.

C. Parts affected by this Service Bulletin:

NEW PART No. (ATA No.)	QTY	EST'D UNIT PRICE (\$)	PART TITLE	OLD PART No (IPC No.)	INSTR DISP
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6A7470 (71-41-31)	4	1350.00	.Ring, segment - HP Compressor Stage 4	6A4348 (A)(S1) (01-690)	
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6A7471 (71-41-31)	4	1147.00	.Ring, segment - HP Compressor Stage 5	6A4349 (A)(S1) (01-695)	
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NOTE: The unit prices, if shown, are an estimate and they are given for the purposes of planning only. For information about actual prices, refer to the IAE Price Catalogue or contact IAE's spare part sales department.

D. Instruction Disposition codes:

- (1) (A) New part will be available from May 1999.
- (2) (S1) Old and new parts are only interchangeable as a set.



3. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

For the correct removal/installation procedures, refer to A5/D5 Engine Manual (EM), Chapter/Sections 72-41-30, Disassembly/Assembly.

C. Recording Instructions

A record of accomplishment is necessary.