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DATE ~~R~~ Mar. 1/00

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This document transmits Revision 1 to Service Bulletin EV2500-72-0360

Document History

Service Bulletin Revision Status  
 Initial Issue                      Dec.1/99

Supplement Revision Status

Bulletin Revision 1

Remove  
 All pages of the  
 Service Bulletin

Incorporate  
 Pages 1 to 6 of the  
 Service Bulletin

Reason for change  
 Revised engine  
 incorporation point in 1.  
 A. and editorial changes.  
 All pages re-issued from  
 new publications system.

**V2500-ENG-72-0360**

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 1 are as follows:

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	Bulletin		
R	1	1	Mar.1/00
R	2	1	Mar.1/00
R	3	1	Mar.1/00
R	4	1	Mar.1/00
R	5	1	Mar.1/00
R	6	1	Mar.1/00

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ENGINE - HP COMPRESSOR SPLIT CASES - INTRODUCTION OF REVISED STAGE 5 ROTOR PATH  
SEGMENT

1. Planning Information

A. Effectivity

- R (1) Airbus A319
- R (a) V2522-A5, V2524-A5 Engines before Serial No.V10689
- R (2) Airbus A319CJ
- R (a) V2527M-A5 Engines before Serial No.V10689
- R (3) Airbus A320
- R (a) V2527-A5, V2527E-A5 and V2530-A5 Engines before Serial No.V10689
- R (4) Airbus A321
- R (a) V2533-A5 Engines before Serial No.V10689
- R (5) Boeing Long Beach Division MD-90
- R (a) V2525-D5, V2528-D5 Engines before Serial No.V20286
- R (6) ATA Location
- R 72-41-00

B. Concurrent Requirements

None.

C. Reason

(1) Condition

A review of the HP Compressor has indicated that the outer groove wall thickness on the stage 5 rotor path segment can be optimised by repositioning of the seal groove.

(2) Background

(See condition)



(3) Objective

Incorporation of this Service Bulletin is designed to maintain reliability.

(4) Substantiation

The changes introduced by this Service Bulletin have been the subject of satisfactory engineering analysis.

(5) Effect of Bulletin on :-

(a) Operation

Not affected

(b) Maintenance

Not affected

(c) Overhaul

Not affected

(d) Repair Schemes

Affected

(e) Interchangeability

Not affected

(f) Fits and Clearances

Not affected

D. Description

(1) The HP Compressor stage 5 rotor path segment has been revised, the changes are as follows :

(a) The seal strip groove has been positioned centrally within the end cross section.

E. Approval

The part number changes and/or part modification described in Section 2 and 3 of this Modification Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Models listed.



F. Compliance

Category Code 7.

Accomplish when the supply of superseded parts has been depleted.

G. Manpower

Estimate of man-hours 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) Modification kit is not required.
- (2) See Material Information section for prices and availability of future spares.

I. Tooling Price and Availability

Special tools are not required.

J. Industry Support Information

Not applicable.

K. Weight and Balance

- (1) Weight change

None.

- (2) Moment arm

None.

- (3) Datum

Engine Front Mount Centerline (Power Plant station - PPS 100)

L. Electrical Load Data

Not applicable.



M. Software Accomplishment Summary

Not applicable

N. References

- R (1) IAE Engineering Change Number 99VR009
- (2) For the correct removal/installation procedures refer to :
- A5 and D5 Engine Manual (EM), Chapter/Section 72-41-30, Disassembly and Assembly.

O. Other Publications Affected

- R (1) Engineering Change 99VR009
- (2) Illustrated Parts Catalogue (IPC), Chapter/Section 72-41-31.
- (3) A5 and D5 Engine Manual (EM), Chapter/Section 72-41-31, Cleaning, Inspection/Check and Repair.

P. Interchangeability of Parts

- (1) The ring segments are only interchangeable with existing parts as a complete set.



## 2. Material Information

### R A. Material - Price and availability

R The prices are shown for estimating purposes only and as such are given in good  
R faith without commercial liability for advanced planning purposes only. Refer  
R to IAE Spares and/or current Price catalog for current prices.

R (1) Modification kit

R (a) Modification kits not required.

R Parts supplied as single line items.

R (2) Parts affected by this Bulletin :-

R	Part Number	Qty	Unit Price
R	6A7573	4	1269.00

R	NEW	QTY	KEYWORD	OLD	INSTR
R	PART			PART	DISP
R	NO.			NO.	
R	(ATA No.)				
R	6A7573	4	.Ring, segment-HP	6A7471	(A)(B)(S1)
R	(72-41-31)		Compressor	(01695)	
R			Stage 5		

### R B. Instructions disposition codes:

(A) New part will be made available from October 1999.

(B) Old part will be discontinued.

(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 :

- (1) A5 and D5 Engine Manual (EM), Chapter/Section 72-41-30, Disassembly and Assembly

#### C. Recording Instructions

- (1) A record of accomplishment is necessary.