

International Aero Engines
SERVICE BULLETIN

May 8/98

Subject: Transmittal of Revision 2 to Service Bulletin V2500-ENG-72-0292

Service Bulletin Revision History:

Event	Date
Basic Issue	Nov. 7/97
Revision 1	Jan. 16/98
Revision 2	May 8/98

Reason for Revision:

- (1) Change effectivity at 1. A. (2) (g) and (h).
- (2) Editorial changes to bring SB up to latest standards.

Effect on Past Compliance:

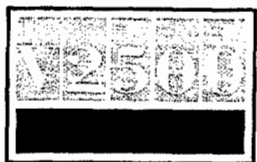
None.

List of Effective Pages:

Page No.	Revision No.	Effective Date
1 to 7	Revision 2	May 8/98

V2500-ENG-72-0292

Transmittal
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ENGINE - HP COMPRESSOR RING CASES - INTRODUCTION OF REVISED STAGE-12 HEATSHIELD ASSEMBLY

MODEL APPLICATION

V2522-A5
V2524-A5
V2527-A5
V2527E-A5
V2530-A5
V2533-A5
V2525-D5
V2528-D5

BULLETIN INDEX LOCATOR

R

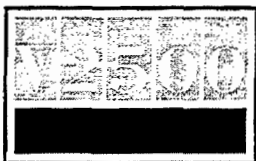
72-41-00

Compliance Category Code

R 7

Internal Reference No.

EC97VR016, ECM97VR016-02



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ENGINE - HP COMPRESSOR RING CASES - INTRODUCTION OF REVISED STAGE-12 HEATSHIELD ASSEMBLY

1. Planning Information

A. Effectivity

(1) Aircraft:

- (a) Airbus A319
- (b) Airbus A320
- (c) Airbus A321
- (d) Boeing-Douglas Product Division MD-90

(2) Engines:

- (a) V2522-A5 Engines prior to Serial No. V10350
- (b) V2524-A5 Engines prior to Serial No. V10350
- (c) V2527-A5 Engines prior to Serial No. V10350
- (d) V2527E-A5 Engines prior to Serial No. V10350
- (e) V2530-A5 Engines prior to Serial No. V10350
- (f) V2533-A5 Engines prior to Serial No. V10350
- (g) V2525-D5 Engines prior to Serial No. V20211
- (h) V2528-D5 Engines prior to Serial No. V20211

B. Concurrent Requirements

None.

C. Reason

(1) Problem

A design review has shown that the manufacture of the Stage-12 heat shield of the HP Compressor can be easier.



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R (2) Evidence

R Refer to C. (1) Problem.

(3) Substantiation

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

(4) Objective

The purpose of this Service Bulletin is to make manufacture easier.

(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Affected.

(c) Overhaul

Affected.

(d) Repair Schemes

Not affected.

(e) Interchangeability

No affected.

(f) Fits and Clearances

Not affected.



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D. Description

- R (1) This Service Bulletin introduces a revised Stage-12 heat shield for the HP Compressor, with the
R changes that follow:
- R (a) The new heat shields are manufactured from Jethete corrosion resistant steel (EBQ), not
titanium (TEY).
- (b) One-piece spacers spot welded to the bolt holes on each half-ring, replace the 48 individual
spacers.

E. Compliance

Category Code 7.

- R This Service Bulletin must be embodied when there are no original parts remaining.

F. Approval

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

G. Manpower

- R Estimate of man-hours necessary to embody this Service Bulletin in full:

<u>Venue</u>	<u>Estimated Man-hours</u>
--------------	----------------------------

- | | |
|----------------|----------------|
| (1) In Service | Not applicable |
|----------------|----------------|

- R (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.

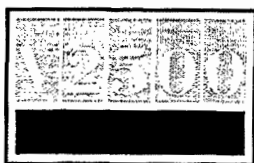
H. Material Price and Availability

- (1) A modification kit is not necessary.

- R (2) Refer to 3. Material Information for the prices and availability of future spares.

I. Tooling Price and Availability

- R (1) Special tools are not necessary.



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J. Weight and Balance

(1) Weight Change

Plus 0.44 lb (0,20 Kg).

(2) Moment Arm

27.4 in. (695,96 mm) rearwards of datum.

(3) Datum

R Engine front mount centreline (Power Plant Station (PPS) - 100).

K. Electrical Load Data

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

L. References

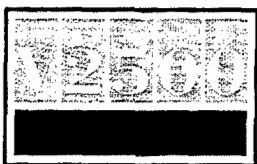
None.

M. Other Publications Affected

(1) Illustrated Parts Catalogue (IPC), Chapter/Section 72-41-21.

(2) Engine Manual (EM), Chapter/Section 72-41-00, CONFIG-1 Disassembly/Assembly-01 (A5) and Chapter/Section 72-41-00, Disassembly/Assembly-01 (D5).

R



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2. Accomplishment Instructions

A. Rework Instructions

None.

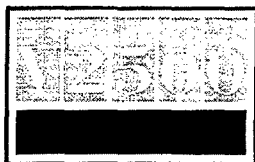
B. Assembly Instructions

- (1) Remove the old heat shields (6A4265 and 6A4266) and install the new heat shields (6A6560 and 6A6561).

- R (a) For the correct procedures, refer to the A5/D5 Engine Manual (EM), Chapter/Section 72-41-00, Disassembly/Assembly.

C. Recording Instructions

A record of accomplishment is necessary.



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3 Material Information

R **Applicability:** For each V2500 engine for which this Service Bulletin is necessary.

A. Kits necessary for this Service Bulletin.

None.

B. Parts affected by this Service Bulletin:

NEW PART No. (ATA No.)	QTY	ESTD UNIT PRICE (\$)	PART TITLE	OLD PART No. (IPC No.)	INSTR DISP
6A6560 (72-41-21)	1	1502.00	Shiel assembly, heat, Stage-12, LH	6A4265 (04-800)	(A) (S1)
6A6561 (72-41-21)	1	1502.00	Shiel assembly, heat, Stage-12, RH	6A4266 (04-820)	(A) (S1)

NOTE: The unit prices, if shown, are an estimate and they are given for the purpose of planning only.
For information about actual prices, refer to IAE Price Catalog or contact IAE's spare parts sales department.

C. Instruction Disposition Codes:

(A) New part is available.

(S1) Old and new parts are freely and fully interchangeable.