



ENGINE - HP COMPRESSOR RING CASE - INTRODUCTION OF REVISED HP COMPRESSOR HEAT SHIELD ASSEMBLIES (STAGE 8 AND 11) - CATEGORY CODE 7 - MOD.ENG-72-0283

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A319
(b) Airbus A320
(c) Airbus A321
(d) McDonnell Douglas 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) V2530-A5 Engines prior to Serial No.V10350
(e) V2525-D5 Engines prior to Serial No.V20225
(f) V2528-D5 Engines prior to Serial No.V20225

B. Concurrent Requirements

None.

C. Reason

(1) Condition

The manufacture of the heat shield assemblies for stage 8 and 11 of the HP compressor can be difficult. The problem is caused by the cold-rolling properties of the material.

(2) Background

(See Condition)

(3) Objective

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

(4) Substantiation

A satisfactory engineering analysis has been done on the changes contained in this Service Bulletin.

(5) Effect of Bulletin on:

V2500-ENG-72-0283



Removal/Installation	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

None.

D. Description

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

- (a) The material of the heat shield assemblies for the stage 8 and 11 of the HP compressor has been changed from EMX to EBM. The EBM material is better for the forming process but has the same wear and temperature properties as the EXM material.

E. 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 models listed.

F. Compliance

Category Code 7

This Service Bulletin can be done when there are no initial parts remaining.

G. Manpower

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

Venue	Estimated Man-hours
(1) In service	Not applicable
(2) At overhaul	No more time is necessary to do 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) See 'Material Information' section for prices and availability of spares.

V2500-ENG-72-0283



I. Tooling - Price and Availability

Special tools are not necessary.

J. Weight and Balance

- (1) Weight change None
- (2) Moment arm No effect
- (3) Datum 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

- (1) Internal Reference No.

EC94VR057

M. Other Publications Affected

- (1) Illustrated parts catalog (IPC), Chapter/Section 72-41-21.
- (2) Engine Manual (EM), Chapter/Section 72-41-00, Assembly/Disassembly CONFIG-1 and CONFIG-2; Chapter/Section 72-41-21, Cleaning and Inspection/Check.



2. Accomplishment Instructions

A. Rework instructions

None.

B. Assembly instructions

For the correct assembly instructions refer to the applicable V2500 engine manual Chapter/Section 72-41-00 CONFIG-1 and CONFIG-2.

C. Recording instructions

(1) A record of accomplishment is necessary.



SERVICE BULLETIN

3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

New Part No. (ATA No.)	QTY	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC) No.)	Instructions Disposition
6A5978 (72-41-21)	1	Quote	Shield, heat - assy of - Stage 8	6A4260 (03-900)	(A)(B)(S1)
6A5979 (72-41-21)	1	Quote	Shield, heat - assy of - Stage 11	6A4264 (04-520)	(A)(B)(S1)

NOTE: The 1997 unit prices shown are an estimate and they are given for the purpose of planning only. For information about actual prices, refer to the IAE Price Catalog or contact IAE's Spare Parts Sales Department.

C. Instructions disposition codes:

- (A) New part is currently available
- (B) Old part will be discontinued
- (S1) Old and new parts are freely and fully interchangeable.

V2500-ENG-72-0283

