



ENGINE - ENGINE H.P. COMPRESSOR INTRODUCTION OF WEIGHT REDUCED REAR OUTER CASE -
CATEGORY CODE 7 - MOD.ENG-72-0025

1. Planning Information

A. Effectivity

- (1) Aircraft - Airbus A320
- (2) Engine - V2500 A1 engine prior to Serial No.V0133 *

* The serial number data shown is of a preliminary nature and is provided for advanced planning only. A future revision to this Service Bulletin will confirm final serial number effectivity.

B. Reason

- (1) Condition

The existing compressor rear case contributes unnecessary weight to the V2500 engine.

- (2) Background

Engine weight investigations have led to the introduction of a weight reduction package of changes. This modification forms part of that package.

- (3) Objective

The incorporation of this Service Bulletin (Modification) is designed to contribute towards an overall reduction in engine weight.

- (4) Substantiation

Analysis of the changes introduced by this modification has concluded that they will be satisfactory.

- (5) Effects of Service Bulletin on workshop procedures:

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

- (6) Supplemental Information

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None

C. Description

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

- (a) The stage 7 air bleed valve mounting boss is deleted together with the blanking plate and its retaining bolts.
- (b) The profile of the stage 7 and stage 11 boroscopic access bosses has been reduced by electro-chemical machining.
- (c) The profile of the 5 turbine walling air off-take bosses has been reduced by electro-chemical machining.

D. Approval

The part number changes and/or part modifications described in sections 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model Listed.

E. Compliance

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Accomplish when supply of superseded parts has been depleted.

F. Manpower

Estimated manhours to incorporate the full intent of this Service Bulletin:

Venue	Estimated Manhours
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(1) In service	Not applicable
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(2) At overhaul (Note: The parts affected by this Service Bulletin are accessible at overhaul)	
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(a) Disassemble and assemble in accordance with Engine manual procedures.	
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G. Material Price and Availability

(1) Modification kit not required.

(2) See Material Information section for prices and availability of future spares.

H. Tooling - Price and Availability

Special tools are not required

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**SERVICE BULLETIN****I. Weight and Balance**

- | | |
|-------------------|--|
| (1) Weight change | Minus 6.7 lb (3,04 kg) |
| (2) Moment arm | 21,700in. (550,00 mm.) rearwards |
| (3) Datum | Engine front mount centerline
(Power Plant Staton (P.P.S.) 100) |

J. Electrical Load Data

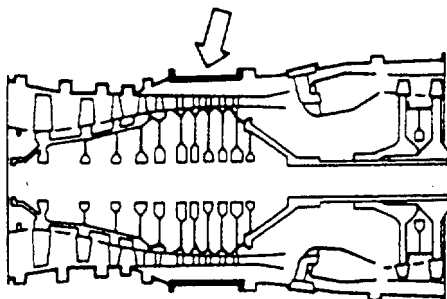
This Service Bulletin has no effect on the Aircraft electrical load

K. References

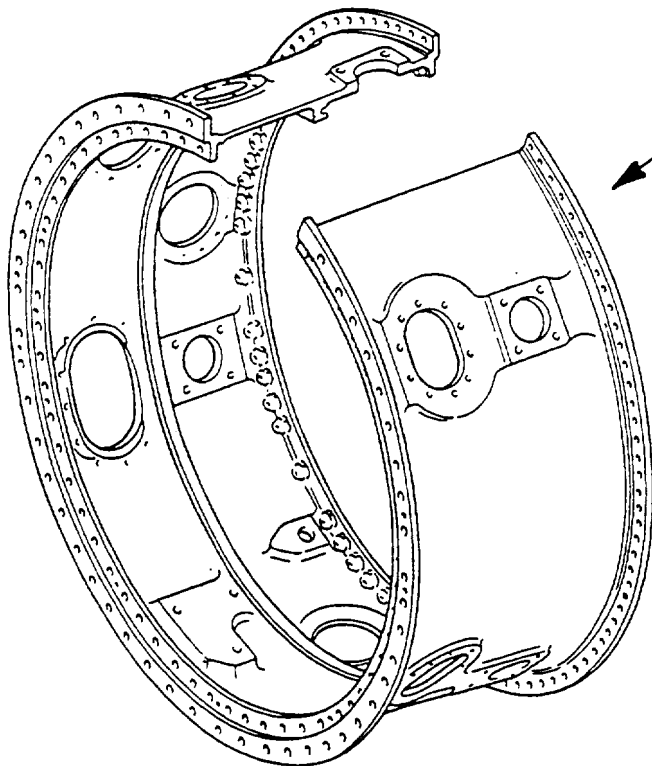
- (1) Internal Reference No.
EC87VR245
- (2) Other References
V2500 Engine manual, 72-41-00, Assembly

L. Other Publications Affected

- (1) V2500 Illustrated Parts Catalog, 72-41-23
- (2) V2500 Engine Manual, 72-41-00, Assembly and Disassembly and 72-41-23, Inspection/Check and Cleaning.



REMOVE 6A2949 H.P.COMPRESSOR
REAR OUTER CASE ASSEMBLY.
INSTALL 6A3557 H.P.COMPRESSOR
REAR OUTER CASE ASSEMBLY.



Location of H.P. compressor rear outer case assembly.

Figure 1

Location of H.P. compressor rear outer case assembly.

Fig.1

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2. Accomplishment Instructions

A. Rework Instructions

- (1) None

B. Assembly Instructions

- (1) The new 6A3557 H.P. Compressor rear outer case assembly is interchangeable with in use use H.P. Compressor rear outer case assemblies.
- (2) Assemble new 6A3557 H.P. Compressor rear outer case assembly by use of approved procedures, Engine Manual, 72-41-00, Assembly.

C. Recording Instructions

- (1) A record of accomplishment is required.



SERVICE BULLETIN

3. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
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Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this bulletin:

None

B. Parts affected by this bulletin:

6A3557 (72-41-23)	1	Case assy rear outer H.P. Compressor	6A2949 (02400)	(S1)(A)
- (72-41-23)	10	Bolt, bihex hd (0.25in. dia. x 0.688in.)	AS21011	(D1)

C. Instruction Disposition Codes:

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

(D1) These parts become redundant on incorporation of this modification.

(A) New part currently available.

NOTE; The estimated 1990 Unit Prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

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