



ENGINE - H.P. COMPRESSOR DISCS - COMPRESSOR STAGE 3 TO 8 ROTOR DRUM ASSEMBLY WITH
SPACERS IN TRIPLE MELT TITANIUM - CATEGORY CODE 7 - MOD.ENG-72-0130

1. Planning Information

A. Effectivity

- (1) Aircraft : Airbus A320
- (2) Engine : V2500-A1 Engines prior to Serial No.V0246*

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

B. Reason

(1) Condition

The H.P. compressor stage 3 to 8 rotor drum assembly is currently supplied with spacers in double melt titanium.

(2) Background

As part of a general process of product improvement the new HP compressor stage 3 to 8 rotor drum assembly is supplied with spacers in triple metal titanium.

(3) Objective

Incorporation of this Service Bulletin is designed to maintain engine reliability.

(4) Substantiation

Investigation by the Stress Department has shown that the cleared life of the rotor drum assembly is unaffected by the change.

(5) Effect of 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

V2500-ENG-72-0130



None

C. Description

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

Spacers between HP compressor rotor discs stages 3 to 4, 4 to 5 and 5 to 6 which are presently manufactured in double melt titanium will now be manufactured in triple melt titanium.

D. Approval

The part number changes and/or part modifications described in Section 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

Category Code 7

Accomplish when supply of superseded parts has been depleted.

F. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul	Not affected

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.

I. Weight and Balance

(1) Weight change None

(2) Moment arm No effect



- (3) Datum Engine front mount centreline (Power Plant Station - PPS 100)

J. Electrical Load Data

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

K. References

- (1) Internal Reference No.

EC91VR004

- (2) Other References

V2500 Engine Manual, 72-41-10 Assembly

L. Other Publications Affected

- (1) Repair schemes VRS 6006, 6007, 6047, 6048, 6122, 6129, 6130, 6132, 6149, 6154, 6220 and 6487 are also applicable to the new part number being introduced by this Service Bulletin.
- (2) V2500 Engine Manual, 72-41-11 Cleaning -00, Cleaning -01 (Config 2), Inspection/Check -00 and Inspection/Check -01 (Config 2).



2. Accomplishment Instructions

A. Rework Instructions

Not applicable

B. Assembly Instructions

- (1) New 6A4189 HP compressor disc assembly is interchangeable with in use HP compressor disc assemblies.
- (2) Assemble new 6A4189 HP compressor disc assembly by use of approved procedures, Engine Manual, 72-41-10 Assembly.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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
6A4189 (72-41-11)	1		Disc assembly, stages 3 to 8 - H.P. compressor	6A3936 (01-200)	(S1)(A)(B)
-				or 6A3934 (01-200)	

C. Instruction/Disposition Code Statements:

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

(A) New part is currently available for sale.

(B) Old part is no longer available.

NOTE: The estimated 1992 unit prices 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.

