



# SERVICE BULLETIN

ENGINE - HP COMPRESSOR - REPLACE A BRACKET AT FLANGE FJ - CATEGORY CODE 5 -  
MOD.ENG-72-0080

## 1. Planning Information

### A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engine, prior to Serial Number V0122

### B. Reason

#### (1) Condition

There may be insufficient clearances between the EEC Core Harness Clamp at CP5696 and the 7th Stage Bleed Valve Duct, and also between the clipping Bracket at CP5696/CP5643 and the Stage 7 HPC Bleed Valve Air Tube because of inadequate Bracket location at Flange FJ.

#### (2) Background

This condition was noted during assembly of production engines. A review for the existing clipping Bracket at CP5696/CP5643 has shown the need for design change and relocation of the Bracket at Flange FJ.

#### (3) Objective

The incorporation of this Service Bulletin is designed to increase the clearances between the Clamp and the 7th Stage Bleed Valve Duct between the Bracket and the Air Tube.

#### (4) Substantiation

Substantiation test is not required.

#### (5) Effects 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

None

V2500-ENG-72-0080

**C. Description**

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

(a) The existing Bracket 5W1997, which supports the Harness and the Stage 10 HPC Bleed Valve Air Tube is replaced with the new Bracket 5W8396, and the installation location at Flange FJ is changed from the rear side to the front side.

(b) The new Bracket will be available for future replacement purposes.

**D. Approval**

The Part Number changes and part modifications described in Section 2 and 3 of this Service Bulletin have shown to comply with the applicable Federal Aviation Regulations and FAA-APPROVED for the Engine Model listed.

**E. Compliance**

Category Code 5

Accomplish when the engine is disassembled sufficiently to afford access to the affected sub-assembly (I.e. modules, accessories, components, build groups) and to all affected spare sub-assemblies.

**F. Manpower**

Estimated Manhours to incorporate the full intent of this Bulletin.

Venue	Estimated Manhours
-------	--------------------

(1) In shop	TOTAL 4 mins
-------------	--------------

(a) Removal of bracket ..	1 min 31 secs
---------------------------	---------------

(b) Installation of new bracket .. ..	1 min 56 secs
---------------------------------------	---------------

(c) Torque the bolts .. ..	33 secs
----------------------------	---------

TOTAL 4 mins

**G. Material - Price and Availability**

Modification kit is not required. (See paragraph 3.B. of "Material Information" section).

**H. Tooling - Price and Availability**

Special tools are not required.

V2500-ENG-72-0080



# SERVICE BULLETIN

## I. Weight and Balance

- (1) Weight change .. .. None
- (2) Moment arm .. .. No effect
- (3) Datum .. .. Engine front centreline  
(Power Plant Station (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.

EC89VJ060

- (2) Other References

V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-41-00.

V2500 Engine Manual, 72-41-00, Disassembly and Assembly.

## L. Other Publications Affected

V2500 Powerplant Illustrated Parts Catalog, Chapter/Section, 72-41-00.

V2500 Engine Illustrated Parts Catalog, Chapter/Section, 72-41-00.

V2500 Engine Manual, 72-41-00, Disassembly and Assembly.



2. Accomplishment Instructions

A. Rework Instruction

- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instruction

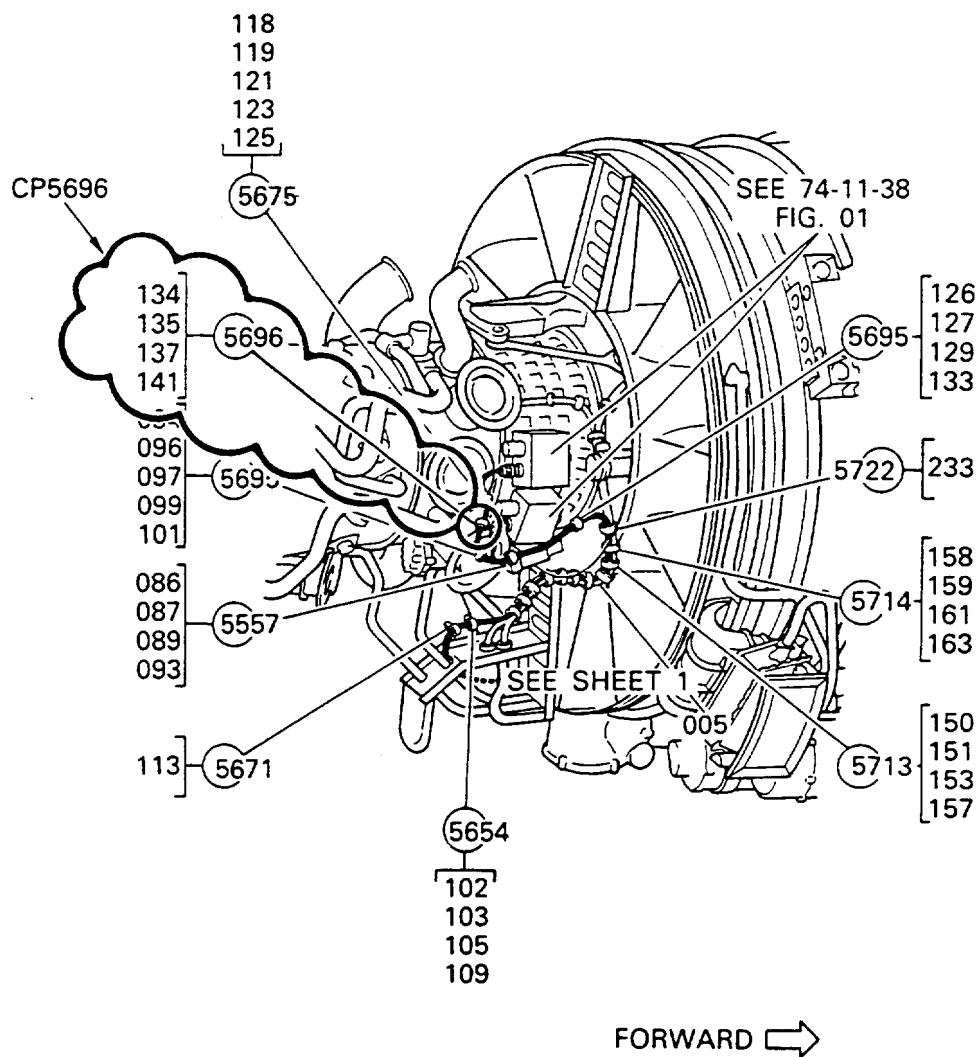
- (1) Assemble the new 5W8396 bracket by use of the approved procedures, Engine Manual, 72-41-00, Assembly-02.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



Printed in Great Britain



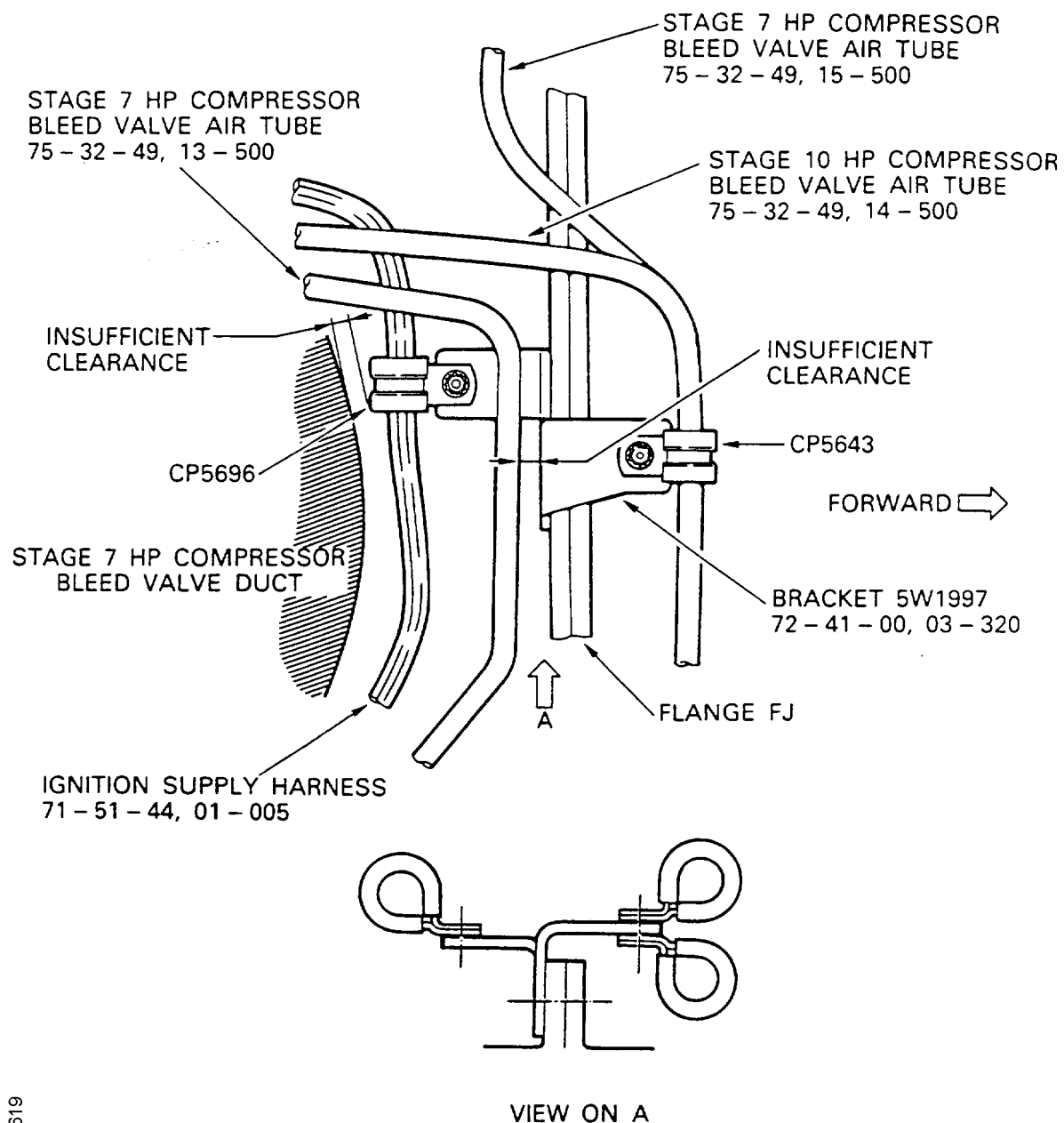
ded0000618

Location of Clipping Point CP5696  
Fig.1

V2500-ENG-72-0080

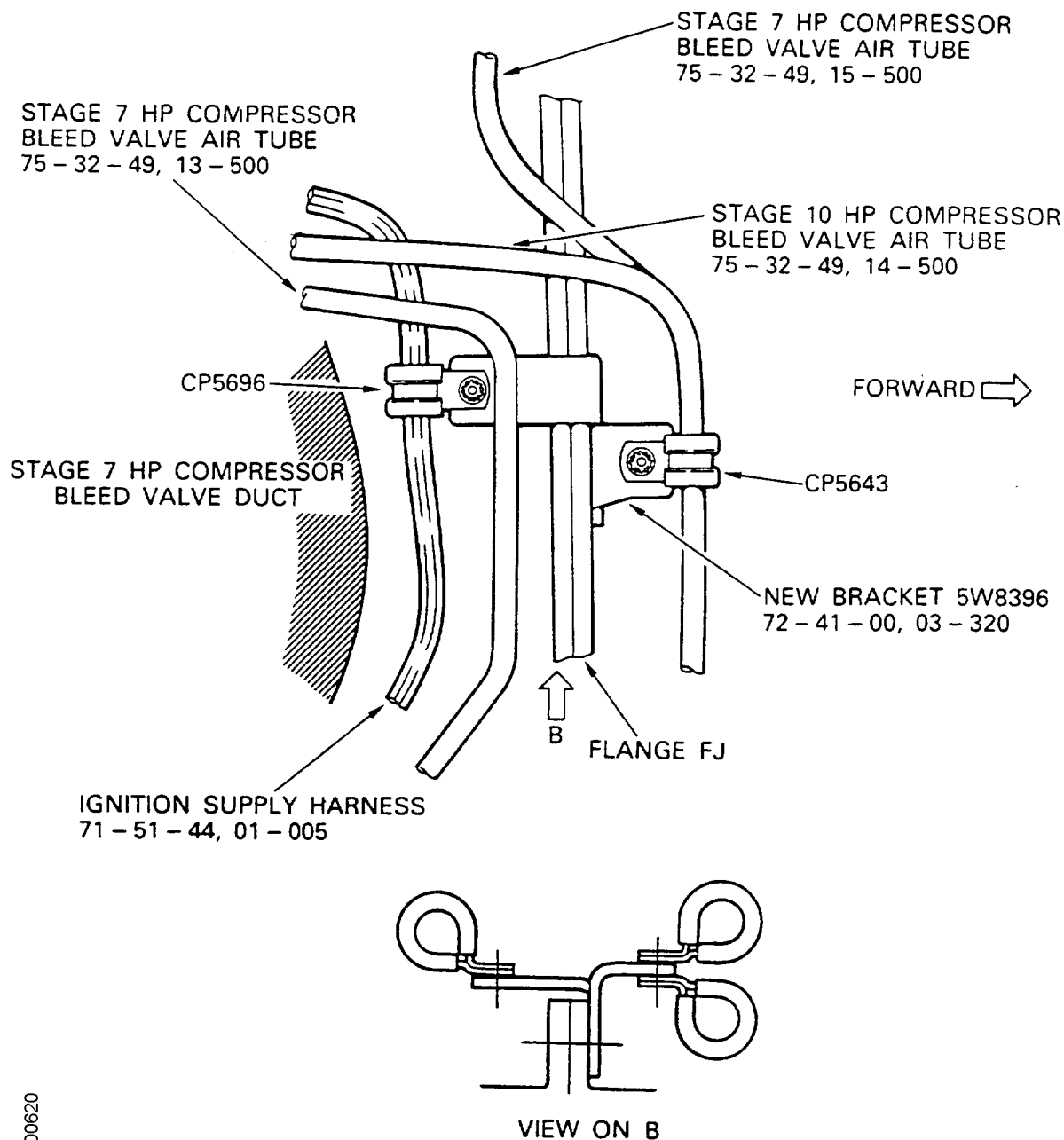


## SERVICE BULLETIN



Details of the Bracket at Flange FJ - Before alteration  
Fig.2

V2500-ENG-72-0080



Details of the Bracket at Flange FJ - After alteration  
Fig.3

ded0000620



## SERVICE BULLETIN

## 3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

## A. Kits associated with this Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
5W8396 (72-41-00)	1	-	.Bracket	5W1997 (03-320)	(A)(B)(S1)

Printed in Great Britain

## C. Instructions/Disposition Code Statements:

- (A) New Part will be available by 7 October 1990.
- (B) Old Part will no longer be available for sale.
- (S1) Old and New Part is freely and fully interchangeable,  
both physically and functionally.

## D. Expendables Required to Incorporate this Bulletin:

None.

## E. Consumables Required to Incorporate this Bulletin:

None.

NOTE: The estimated 1991 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.

V2500-ENG-72-0080