



## SERVICE BULLETIN

ENGINE - AIR - REVISE THE ORIENTATION OF CLIPPING POINT CP5560 - CATEGORY CODE 7, 6 -  
MOD.ENG-75-0035

Printed in Great Britain

## 1. Planning Information

### A. Effectivity

- (1) Aircraft: (a) Airbus A320  
(b) Airbus A321
- (2) Engine: (a) V2500-A1 Engines prior to Serial No.V0355.  
(b) V2527-A5 Engines prior to Serial No.V10020.  
(c) V2530-A5 Engines prior to Serial No.V10020.

### B. Concurrent Requirements

The 6A5650 bracket introduced by this Service Bulletin is listed for parts progression and record purposes only. The 6A5650 bracket was fitted to engines V10020 to V10024 only and will not be provided as a spare part. Refer to Service Bulletin V2500-ENG-75-0044 for the current standard of bracket.

### C. Reason

#### (1) Condition

Limited clearance between the support bracket for harness clipping point CP5560 and the inner fan frame has been reported on engine build of the V2500-A5.

#### (2) Background

During build of the V2500-A5 first production engine it was highlighted that a possible interference could exist between the EEC harness clip support bracket for CP5560 and the inner frame.

The bracket is mounted from the B.S.B.V. slave actuator attachment flange.

#### (3) Objective

The incorporation of this Service Bulletin is designed to ensure adequate clearance between the bracket at CP5560 and the inner fan frame.

#### (4) Substantiation

Design analysis has confirmed that the new bracket assembly will provide sufficient clearance between CP5560 and the inner fan frame to prevent the possibility of a foul.

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## (5) Effect of Bulletin on Workshop Procedures:

Removal/Installation	Affected (See Supplemental Information)
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

## (6) Supplemental Information

- (a) The Removal/Installation will be revised to add the new configuration of this Service Bulletin.

D. Description

The changes introduced by this Service Bulletin are:

- (1) A new support bracket is introduced to replace the existing bracket mounted from the B.S.B.V. slave actuator for EEC harness clipping point CP5560.
- (2) The washer at the clipping point is deleted and a shorter bolt is introduced to suit.
- (3) To maintain commonisation of manufacture, the modified bracket is also introduced on the A1 model.

E. Approval

The part number changes and/or part modifications 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.

F. Compliance

V2500-A1

Category Code 7

Accomplish when supply of superseded parts has been depleted.

V2527-A5

V2530-A5

Category Code 6

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

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G. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:

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

H. Material - Price and Availability

- (1) Modification Kit not required.
- (2) See 'Material Information' section for prices and availability of future spares.

I. Tooling -Price and Availability

Special tools are not required.

J. Weight and Balance

- |                   |   |
|-------------------|---|
| (1) Weight change | None  |
| (2) Moment arm    | No effect   |
| (3) Datum         | Engine front mount centerline<br>(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.  
EC93VR036
- (2) Other References  
Service Bulletin V2500-ENG-75-0044 (Introduce a New Bracket at clipping Point 5560).

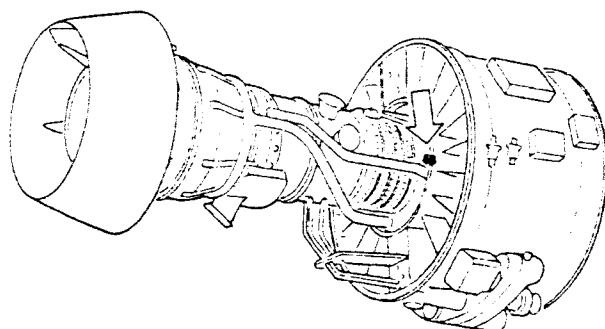
M. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalog (S-V2500-1IA), Chapter/Section 71-52-43 and 75-31-43.

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- (2) V2500 Engine Illustrated Parts Catalog (S-V2500-2IA), Chapter/Section 71-52-43 and 75-31-43.
- (3) V2500 Engine Manual, (E-V2500-1IA), 72-00-40, Removal-02, Config-1 and Config-2.
- (4) V2500 Engine Manual, (E-V2500-1IA), 72-00-40, Installation-09, Config-1 and Config-2.
- (5) V2500 Component Maintenance Manual (CMM-MECH-V2500-1IA), 75-31-43, Cleaning-00, and -01, Inspection/Check-00 and -01.



STARBOARD LOWER REAR

5L0027 SLAVE BLEED  
ACTUATOR (Ref.)

REMOVE  
5W1086  
WASHER

REMOVE 4W0103 BOLT AND  
INSTALL 4W0102 BOLT

CLIP POSITION  
5560 (Ref.)

FORWARD 

4W0043 CLIPNUT  
(Ref.)

REMOVE 5W2153 HARNESS BRACKET AND  
INSTALL 6A5650 HARNESS BRACKET

REMOVE AS21017 BOLTS (2 off) AND  
INSTALL 4W0178 BOLTS (2 off)

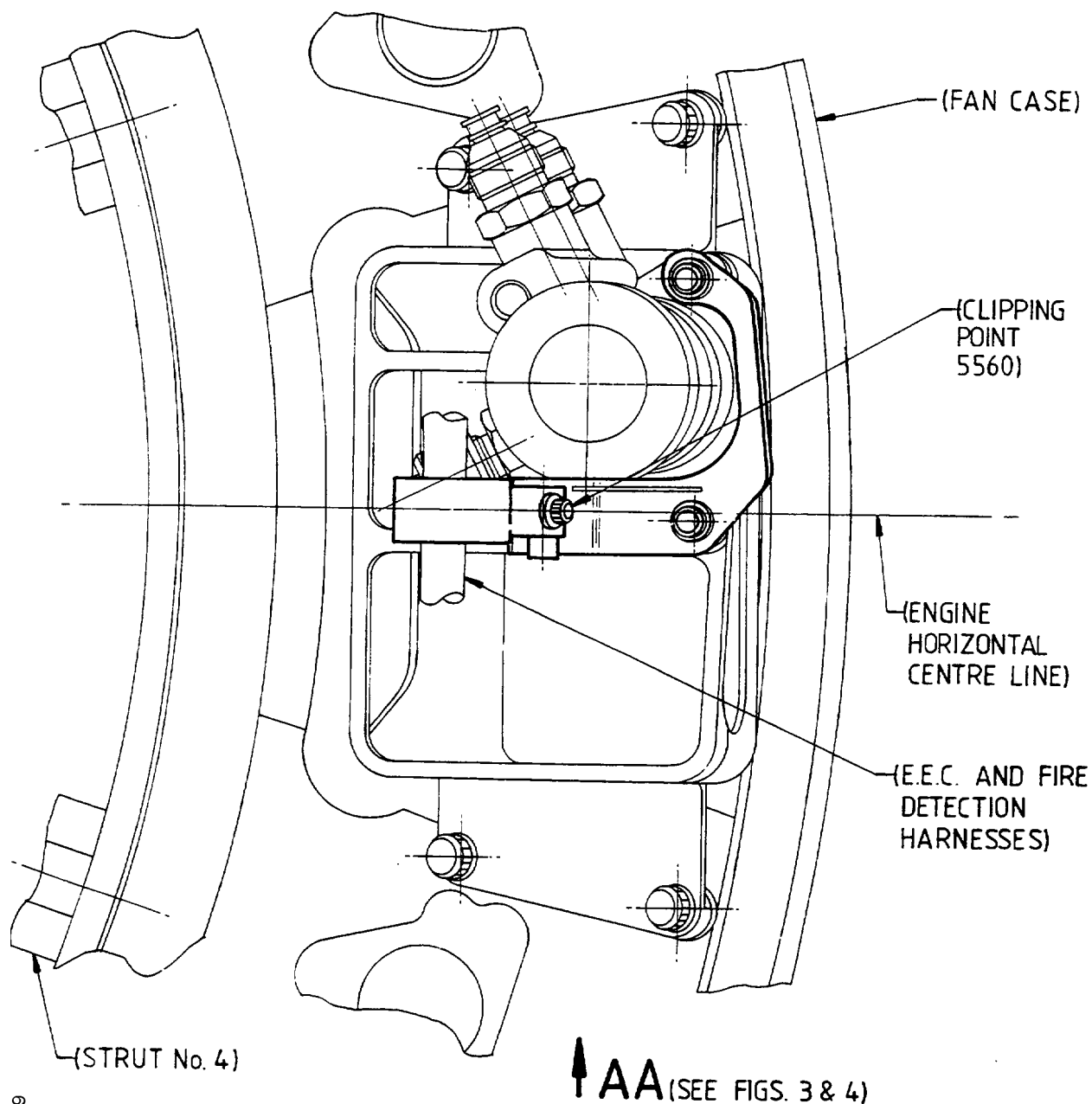
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Location of the harness bracket and clipping point CP5560  
Fig.1

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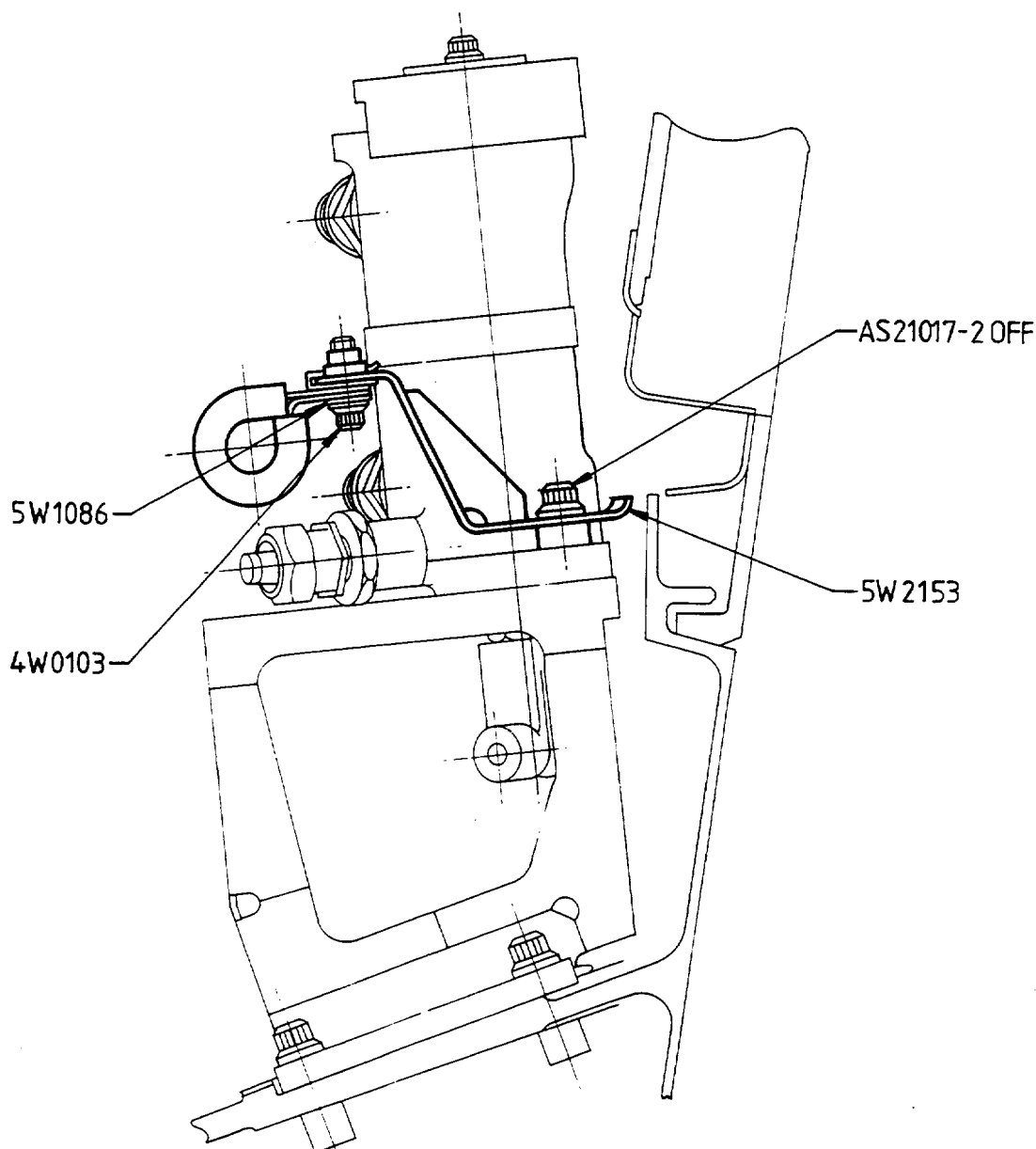
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View on fan frame at B.S.B.V. slave actuator looking forward  
Fig.2

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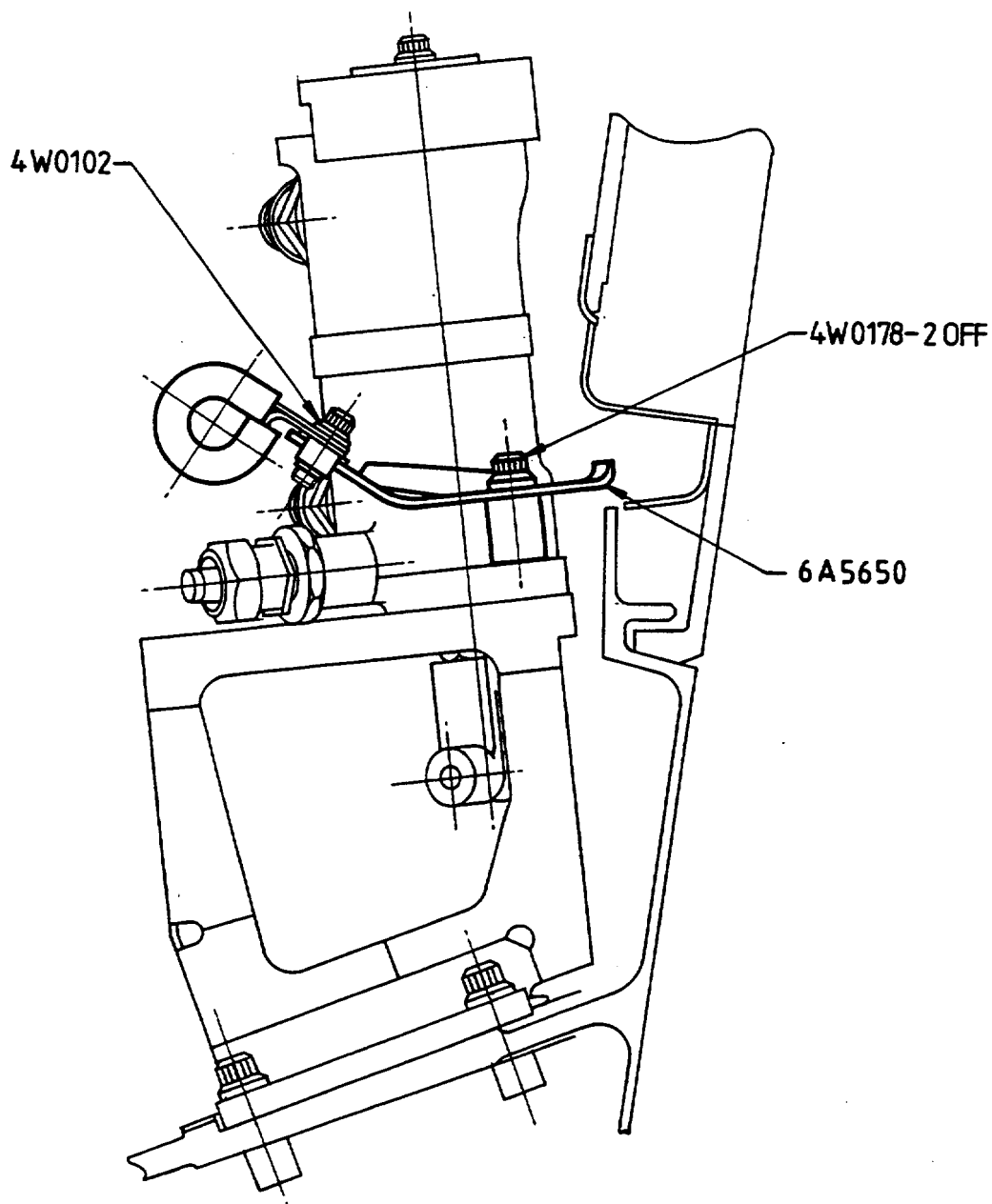
View on arrow AA (see Figure 2) - Before alteration  
Fig.3

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View on arrow AA (see Figure 2) - After alteration  
Fig.4

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## 2. Accomplishment Instructions

### A. Rework Instructions

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

### B. Assembly Instructions

- (1) Remove the bolt, the nut and the washer from clipping point CP5560. Refer to Figure 3.
- (2) Remove the two bolts that attach the 5W2153 harness bracket to the B.S.B.V. slave actuator. Remove the bracket. Refer to Figure 3.
- (3) Install the new 6A5650 harness bracket on to the B.S.B.V. slave actuator using the two new 4W0178 bolts. Torque the bolts to 85 to 105 lbfin (10 to 12 Nm). Refer to Figure 4.
- (4) Assemble clipping point CP5560 using the nut removed in step B.(1) and the new 4W0102 bolt (do not install the washer removed in step B.(1)). Torque the bolt to 36 to 45 lbfin (4 to 5 Nm). Refer to Figure 4.

### C. Recording Instructions

- (1) A record of accomplishment is necessary.



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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
4W0102 (71-52-43)	1		Bolt, bi-hex head	4W0103 (01-054)	(A)(1D)(S1)
- (71-52-43)	1		Washer	5W1086 (01-055)	(1D)(S1)
6A5650 (71-52-43)	1		Bracket, assy - Harness	5W2153 (01-090)	(B)(C)(S1)
4W0178 (75-31-43)	2		Bolt, bi-hex head	AS21017 (01-112)	(A)(1D)(S1)

C. Instructions/Disposition Code Statements:

- (A) New parts are currently available.
- (B) New part listed for record purposes only. Refer to Paragraph 1.B. Concurrent Requirements
- (C) Old part will be discontinued when existing stocks have been depleted.
- (1D) Old parts can be used up on other applications.
- (S1) New parts must be fitted as a complete set per engine. Mixing of old and new parts is not permissible.

NOTE: The estimated 1994 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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