

ENGINE - FUEL AND CONTROL - FUEL SYSTEM AIR TUBES - RE-POSITIONED CLIPPING POINT -
CATEGORY CODE 6 - MOD.ENG-73-0064

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A319
(b) Airbus A320
(c) Airbus A321
- (2) Engines: (a) V2500-A1 Engines prior to Serial No.V0360
(b) V2522-A5 Engines prior to Serial No.V10117
(c) V2524-A5 Engines prior to Serial No.V10117
(d) V2527-A5 Engines prior to Serial No.V10117
(e) V2530-A5 Engines prior to Serial No.V10117

B. Concurrent Requirements

None.

C. Reason

(1) Condition

Assembly of clipping point CP1080 can be difficult.

The problem is caused by insufficient space around the clipping point.

(2) Background

The problem has been found during production engine build.

(3) Objective

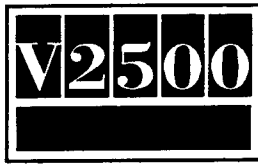
The purpose of this Service Bulletin is designed to make engine build easier.

(4) Substantiation

The changes contained in this Service Bulletin have been the subject of satisfactory engineering analysis.

(5) Effect of Bulletin on Workshop Procedures

V2500-ENG-73-0064



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

(6) Supplemental Information

None.

D. Description

(1) The changes contained in this Service Bulletin are as follows:

- (a) The length of the bolt at clipping point CP1080 has been shortened. In addition the clipping point CP1080, has been moved approximately 0.5in. along the over-ride air tube of the Stage 10 bleed valve. The clipping point is attached to the P2.5 not the P4.9 air-tube assembly.

E. Approval

The part number changes and/or part modifications 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 Model Listed.

F. Compliance

CATEGORY CODE 6

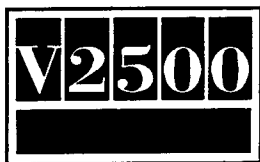
This Service Bulletin can be done when the subassembly (That is modules, accessories, components, build groups) is disassembled sufficiently to get access to the affected parts.

G. Manpower

Estimate of manhours necessary to do this Service Bulletin in full:

Venue	Estimated Manhours
(1) In service	Not applicable
(2) At overhaul	No additional time is necessary to do this Service Bulletin

NOTE: The parts affected by this Service Bulletin are accessible at overhaul.



SERVICE BULLETIN

H. Material - Price and Availability

- (1) Modification kit is not necessary.
- (2) See 'Material Information' section for prices and availability of new spares.

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.
EC94VR027

M. Other Publications Affected

- (1) Illustrated parts catalog (IPC), Chapter/Section 73-22-49.
- (2) Engine Manual (EM), Chapter/Section, 72-00-32, Assembly/Disassembly.



2. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

For the correct removal/installation procedures, refer to the applicable engine manual, Chapter/Section 72-00-32.

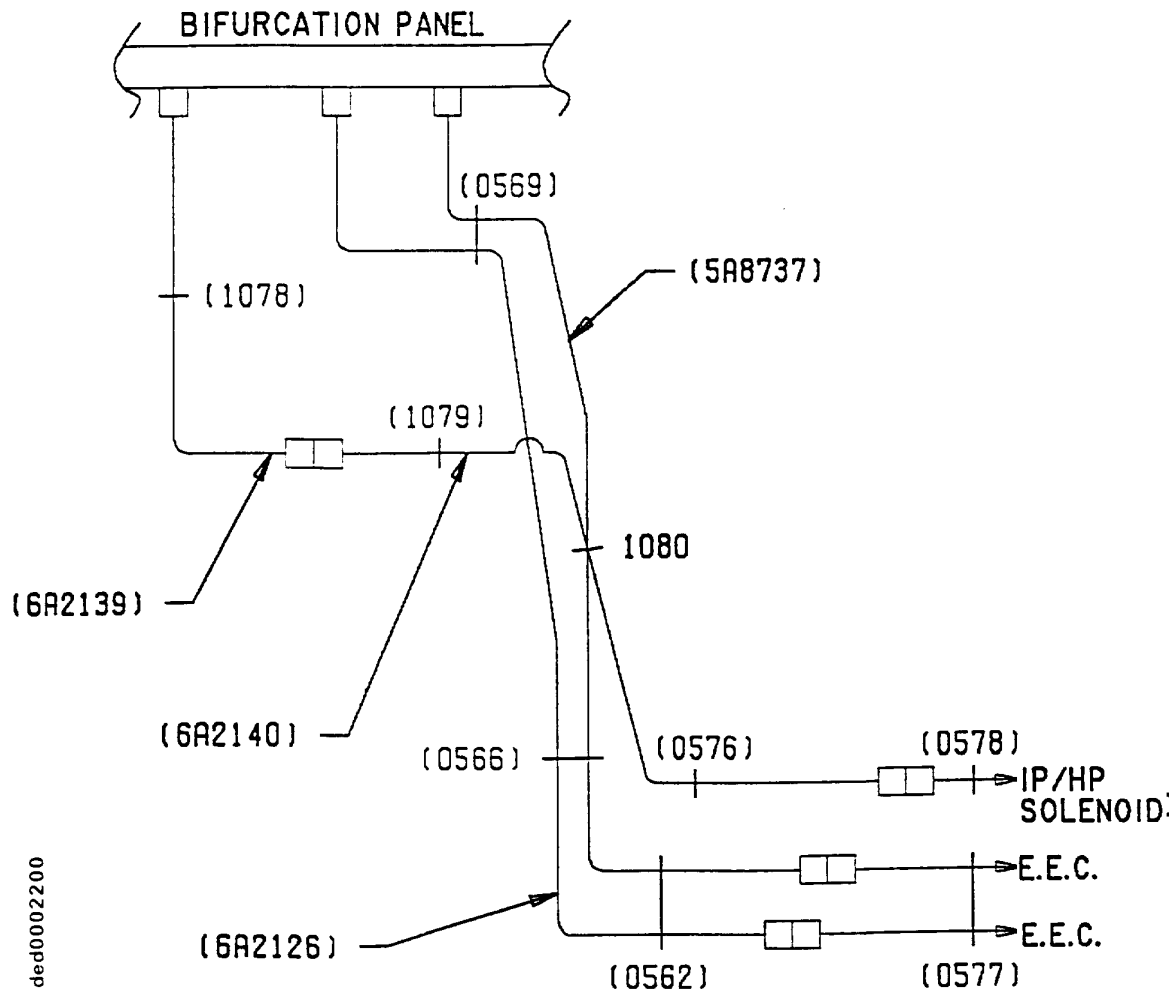
- (1) Replace the bolt of CP1080 (Refer to Figures 1 and 3)
 - (a) Remove the clip point from tubes 5A8737 and 6A2140
 - (b) Discard the bolt 4W0104.
- (2) Install CP1080 in a different position (Refer to Figures 2 and 3)
 - (a) Install the top clip of CP1080 to tube 6A2126
 - (b) Install the bottom clip of CP1080 to tube 6A2140
 - (c) Safety CP1080 with the bolt 4W0103, washers and nut.

C. Recording Instructions

- (1) A record of accomplishment is necessary.

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ENGINE FUEL AND CONTROL - FUEL SYSTEM AIR TUBES - CLIPPING POINT
1080 REPOSITIONED - EC94VR027 (CONT.)

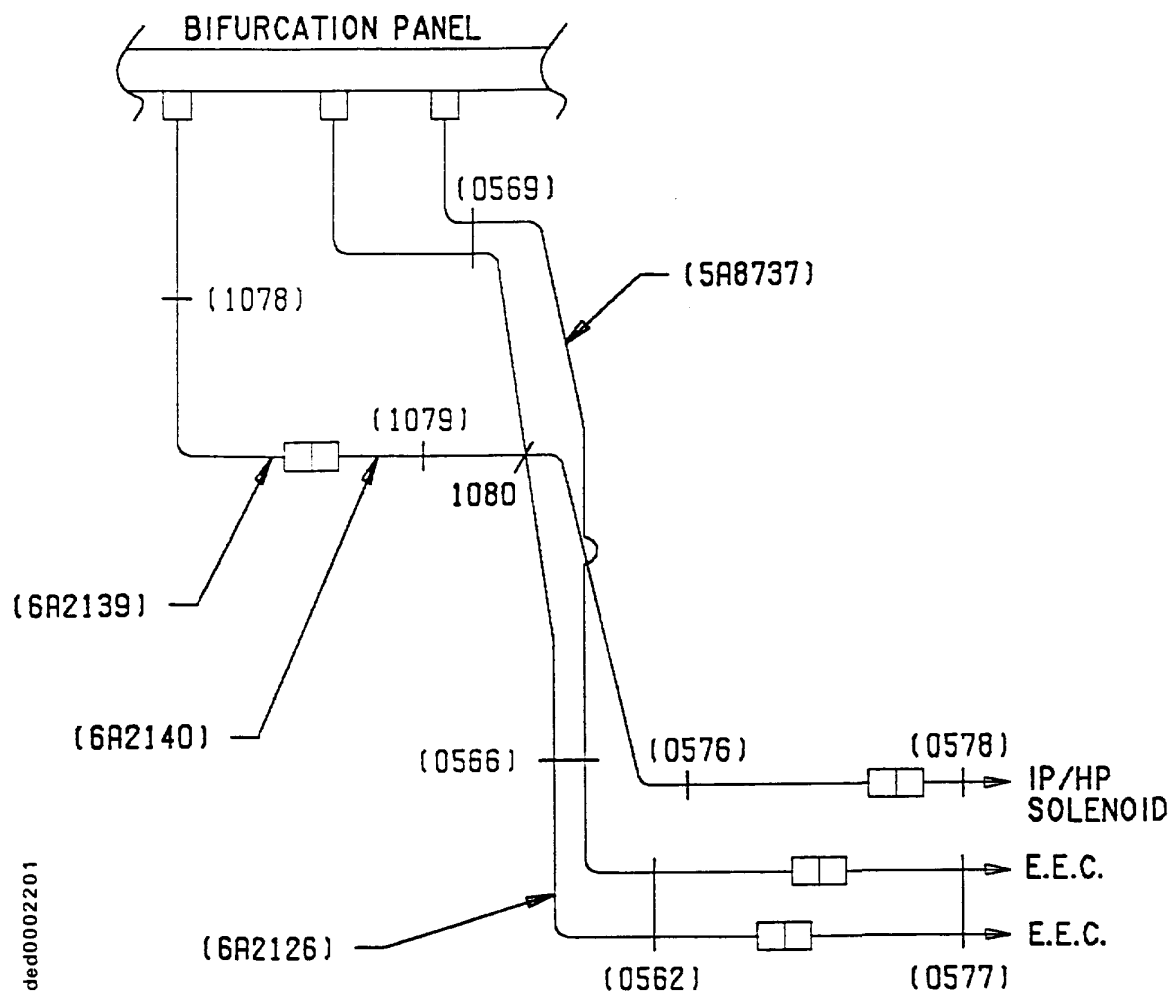


Schematic view of clipping configuration of air tubes - Before alteration
Fig.1

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ENGINE FUEL AND CONTROL - FUEL SYSTEM AIR TUBES - CLIPPING POINT
1080 REPOSITIONED - EC94VR027 (CONT.)

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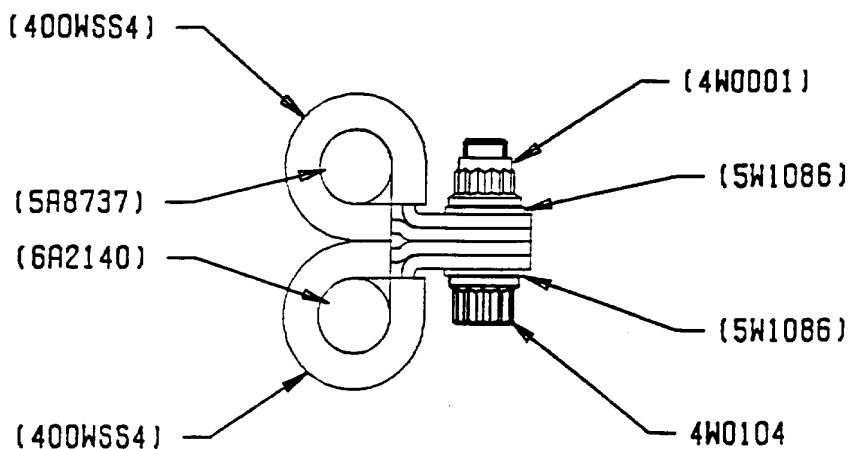
Schematic view of clipping configuration of air tubes - After alteration
Fig.2

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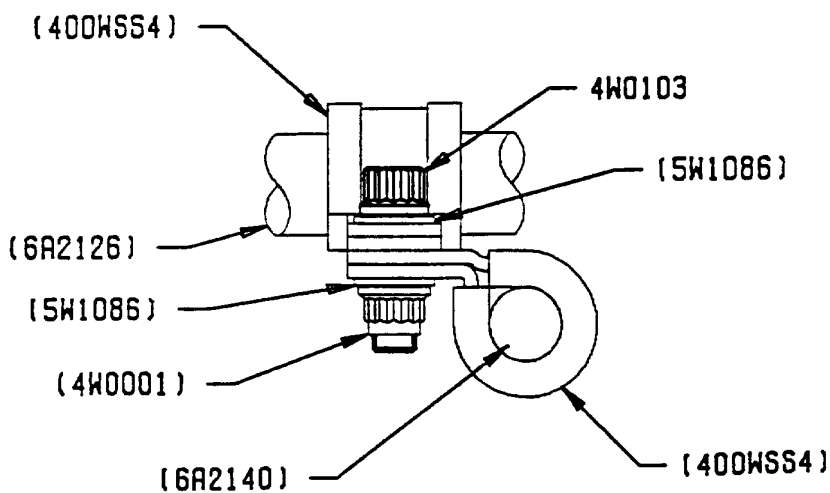


ENGINE FUEL AND CONTROL - FUEL SYSTEM AIR TUBES - CLIPPING POINT
I080 REPOSITIONED - EC94VR027 (CONT.)

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VIEW ON C.P.I080
BEFORE ALTERATION



VIEW ON C.P.I080
AFTER ALTERATION

View on CP1080 - Before and after alteration
Fig.3

ded0002202



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
- (73-22-49)	1		Bolt, machine double hex (0.190 dia x 0.562) (CP1080)	4W0104 (02-549)	(A)(1D)
4W0103 (73-22-49)	1	4.63	Bolt, machine double hex (0.190 dia x 0.500) (CP1080)	- (10-150)	(B)(G)
5W1086 (73-22-49)	2	0.40	Washer (CP1080)	- (10-151)	(C)
400WSS4 (73-22-49)	2	4.27	Clip (CP1080)	- (10-152)	(E)
4W0001 (73-22-49)	1	2.67	Nut, self locking dbl hex (0.190 dia)(CP1080)	- (0-156)	(F)

NOTE: The unit prices, if 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) Transferred to ATA chapter 73-22-49 Fig Item 10-150.
- (B) Transferred from ATA chapter 73-22-49 Fig Item 02-549.
- (C) Transferred from ATA chapter 73-22-49 Fig Item 02-550.
- (E) Transferred from ATA chapter 73-22-49 Fig Item 02-552.
- (F) Transferred from ATA chapter 73-22-49 Fig Item 02-556.
- (G) Additional.
- (1D) Old part may be used up on other applications.

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