



ENGINE - FUEL AND CONTROL - ENGINE FUEL AND CONTROL - FUEL SYSTEM TUBES - INTRODUCTION  
OF REVISED HP SERVO EXTERNAL FUEL TUBE ASSEMBLY WITH WELDED-IN LUG AND AMENDED CLIPPING  
- CATEGORY CODE 7 - MOD.ENG-73-0116

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A319  
(b) Airbus A320  
(c) Airbus A321
- (2) Engines: (a) V2522-A5 Engines prior to Serial No.V10300  
(b) V2524-A5 Engines prior to Serial No.V10300  
(c) V2527-A5 Engines prior to Serial No.V10300  
(d) V2530-A5 Engines prior to Serial No.V10300  
(e) V2533-A5 Engines prior to Serial No.V10300

B. Concurrent Requirements

This modification must only be fitted to engines which embody IAE Service Bulletin V2500-ENG-73-0104 (see 1.L.)

C. Reason

(1) Condition

To attach the HP-servo external fuel-tube assembly to clip point CP5747 by a better method, design changes must be made.

(2) Background

(See Condition)

(3) Objective

The purpose of the changes introduced by this Service Bulletin is to maintain reliability.

(4) Substantiation

A satisfactory engineering analysis and successful trial installation on a V2500 mock-up engine has been done on the changes contained in this Service Bulletin.

(5) Effect of Bulletin on:

V2500-ENG-73-0116



## SERVICE BULLETIN

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

## (6) Supplemental Information

None.

D. Description

- (1) This modification introduces a different method to attach the HP-servo fuel-tube assembly to clip point CP5747 by the addition of a permanent fixed location point.

The changes are as follows:

- (a) The HP-servo fuel-tube assembly is changed. A welded-in lug has been added to give a fixed position for clipping point CP5747.
- (b) Clip points CP5747 and CP6058 have changed.
- (c) The ATA Fig Item numbers for the end connectors and nuts, within the HP-servo fuel-tube assembly have changed. This change has no effect on the hardware.

E. Approval

The part number changes and/or part modification 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 models listed.

F. Compliance

Category Code 7

This Service Bulletin can be done when there are no initial parts remaining.

G. Manpower

Estimate of man-hours necessary to do this Service Bulletin in full:

Venue					Estimated Man-hours
(1)	In service	..	..	..	Not applicable
(2)	At overhaul	..	..	..	No more time is necessary to do this Service Bulletin

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NOTE: It is possible to get access to the parts affected by this Service Bulletin at overhaul

#### H. Material – Price and Availability

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

EC97VR002A

- (2) Other References

The IAE V2500 Service Bulletin that follows, must be installed before or at the same time as this Service Bulletin.

ENG-73-0104 – Engine Fuel and Control – Fuel System Tubes – Introduction of revised clipping for the HP servo external fuel tube assembly and clipping.

#### M. Other Publications Affected

- (1) Illustrated parts catalog (IPC), Chapter/Section 73-11-49

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2. Accomplishment Instructions

A. Rework instructions

None.

B. Assembly instructions

For the correct removal/installation procedures refer to the A319, A320 and A321 Aircraft Maintenance Manual (AMM), Chapter/Section 75-31-42, Removal/Installation.

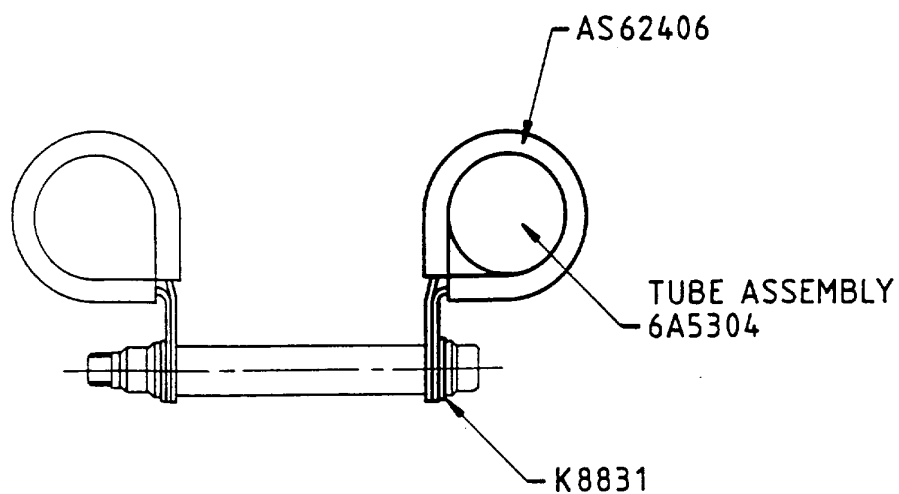
C. Recording instructions

(1) A record of accomplishment is necessary.

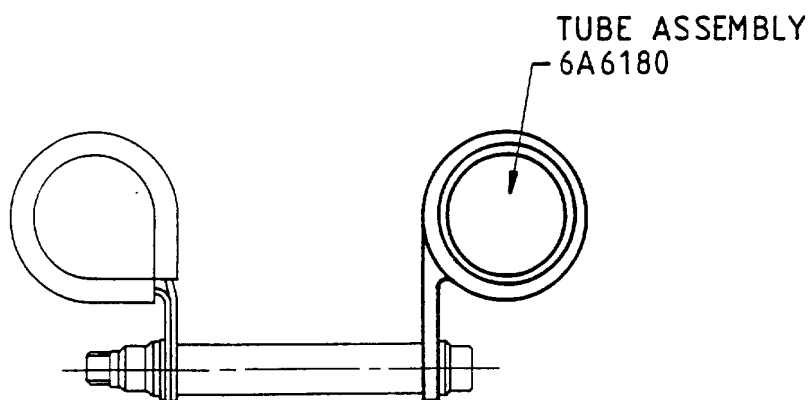
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FWD  
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CP5747 BEFORE ALTERATION



CP5747 AFTER ALTERATION

View looking downwards - Portside  
Fig.1

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## 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
6A6180 (73-11-49)	1	624.00	Tube assembly - fuel, HP servo - disconnect to BA master actuator inlet	6A5304 (12-100)	(A)(B)(S1)
- (73-11-49)	1		Washer (CP5747)	K8831 (12-166)	(1D)
- (73-11-49)	1		Clip (0.375 in. dia) (CP5747)	AS62406 (12-168)	(C)
4W0115 (73-11-49)	1	3.34	Bolt, machine double hex (0.190 in. dia x 1.250 in.) (CP6058)	4W0118 (12-173)	(A)(B)(S1) (2D)
UP10481 (73-11-49)	1	13.20	Spacer (20 mm)(CP6058)	UP10482 (12-178)	(A)(B)(S1) (2D)
- (73-11-49)	1		Nut, tube coupling	MS9197-09 (12-201)	(3D)
- (73-11-49)	1		Connector, tube (0.375 in. dia)	UP11087 (12-202)	(3D)
MS9197-09 (73-11-49)	1	14.90	Nut, tube coupling	- (12-241)	(4D)
UP11087 (73-11-49)	1	35.00	Connector, tube (0.375 in. dia)	- (12-242)	(5D)

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.

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**C. Instructions Disposition Codes:**

- (A) New part is currently available.
- (B) Old part will be discontinued.
- (C) Redundant part.
- (S1) Old and new parts are not interchangeable.
- (1D) Quantity reduced from 2 off to 1 off.
- (2D) Old part may be used up on other applications.
- (3D) Quantity reduced from 2AR to 1 off.
- (4D) Quantity 1 off transferred from ATA 73-11-49 Fig Item 12-201.
- (5D) Quantity 1 off transferred from ATA 73-11-49 Fig Item 12-202.

