



# SERVICE BULLETIN

ENGINE - FUEL AND CONTROL - ENGINE FUEL AND CONTROL - FUEL SYSTEM TUBES - ENGINE -  
INTRODUCTION OF REVISED EXTERNAL FUEL TUBE ASSEMBLY WITH WELDED-IN LUG AND AMENDED  
CLIPPING - CATEGORY CODE 7 - MOD.ENG-73-0115

## 1. Planning Information

### A. Effectivity

- (1) Aircraft: (a) Airbus A320
- (2) Engines: (a) V2500-A1 Engines prior to Serial No.V0362

### B. Concurrent Requirements

This Service Bulletin must only be fitted to engines which have IAE V2500 Service Bulletin 73-0103 (see 1.L.).

### C. Reason

#### (1) Condition

Wear of the HP servo fuel-tube can occur at clip point CP5747. To stop the wear, a clip lug has been welded on the tube at the correct position for CP5747.

#### (2) Background

See (1).

#### (3) Objective

The purpose of the changes contained in this Service Bulletin are to maintain reliability.

#### (4) Substantiation

A satisfactory engineering analysis has been done on the changes contained in this Service Bulletin.

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

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

#### (6) Supplemental Information

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None.

D. Description

- (1) This Service Bulletin contains a changed procedure for attaching the external fuel-tube assembly of the HP servo to clip point CP5747. A permanent location point has been added.

The changes are as follows:

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

E. Approval

The part number changes and/or 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 model 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 .. ..	Not applicable.

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

H. Material - Price and Availability

- (1) A Modification kit is not necessary.
- (2) See "Material Information" section for price and availability of spares.

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I. Tooling - Price and Availability

Special tools are not necessary.

J. Weight and Balance

- |     |               |    |    |    |  |
|-----|---------------|----|----|----|--|
| (1) | Weight change | .. | .. | .. | Plus 0.09 kg (0.2 lb)  |
| (2) | Moment arm    | .. | .. | .. | 381 mm (15.0in.) rearwards                                       |
| (3) | Datum         | .. | .. | .. | Engine front mount centreline<br>(Power Plant Station - PPS 100) |

K. Electrical Load Data

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

L. References

- (1) Internal Reference No.

EC96VR041A

- (2) Other References

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

73-0103 Engine Fuel and Control - Fuel System Tubes - Introduction of revised clipping for the HP servo external fuel tube assembly.

M. Other Publications Affected

- (1) Illustrated Parts Catalog (IPC), Chapter/Section, 73-11-49
- (2) Engine Manual (EM), Chapter/Section 72-00-40
- (3) Component Maintenance Manual, Chapter/Section, 73-11-49, Cleaning, Inspection/Check and Repair.
- (4) Maintenance Manual, Chapter/Section 75-31-42
- (5) Repair Schemes VRS6221, 6222, 6223 and 6224.

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2. Accomplishment Instructions

A. Rework instructions

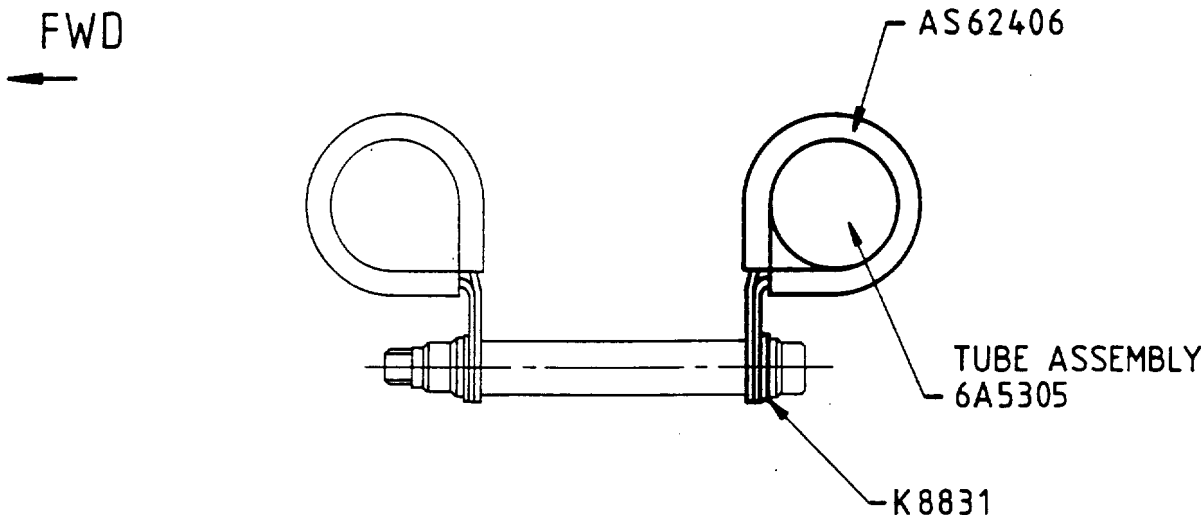
None.

B. Assembly instructions

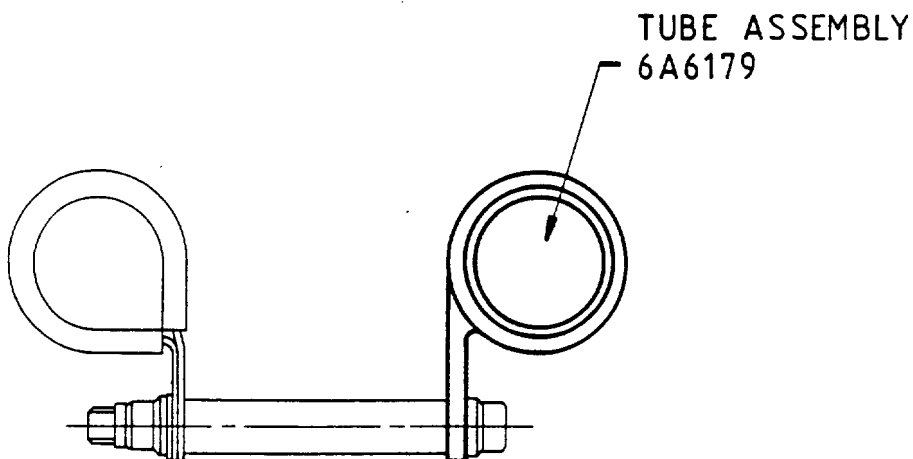
For the correct removal/installation procedures refer to the V2500-A1 Engine Manual (EM), Chapter/Section, 72-00-40, Removal/Installation or the Airbus A320 Aircraft Maintenance Manual (AMM), Chapter/Section, 75-31-42.

C. Recording Instructions

(1) A record of accomplishment is necessary.



BEFORE ALTERATION



AFTER ALTERATION

View looking down - Left - Before and after alteration  
Fig.1

ded0002127



## 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
6A6179 (73-11-49)	1	546.00	Tube assy - fuel, HP servo ext. - Disconnect to BA master actuator inlet	6A5305 (12-100)	(A)(B)(S1)
- (73-11-49)	1		Washer (CP5747)	K8831 (12-166)	(1D)(2D)
- (73-11-49)	1		Clip (0.375in. dia) (CP5747)	AS62406 (12-168)	(C)(2D)
4W0115 (73-11-49)	1	3.34	Bolt, machine double hex (0.190in. dia x 1.250in.) (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)	(1D)
- (73-11-49)	1		Connector, tube (0.375in. 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 (0.375in. dia)	- (12-242)	(5D)

NOTE: The 1997 unit prices 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 to 1
- (2D) Old part may be used up on other applications
- (3D) Quantity reduced to 1
- (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

