



ENGINE - FUEL AND CONTROL - FUEL SYSTEM TUBES - INTRODUCTION OF REVISED CLIPPING FOR
THE HP SERVO EXTERNAL FUEL TUBE ASSEMBLY - CATEGORY CODE 4 - MOD.ENG-73-0104

Printed in Great Britain

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.V10280
(b) V2524-A5 Engines prior to Serial No.V10280
(c) V2527-A5 Engines prior to Serial No.V10280
(d) V2530-A5 Engines prior to Serial No.V10280
(e) V2533-A5 Engines prior to Serial No.V10280

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Fretage has been found on the external fuel-tube assembly of the HP Servo on V2500-A1 engines. In extreme conditions the tube can become perforated.

The clipping arrangement of the fuel tube on V2500-A1 engines is the same as that on the V2500-A5 engines. Thus, it is also possible for the fretage to occur on the tube of the V2500-A5 engines.

(2) Background

The problem has been found on V2500-A1 engines in service.

(3) Substantiation

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

(4) Objective

The purpose of this Service Bulletin is to maintain reliability.

(5) Effect of Bulletin on:-

V2500-ENG-73-0104



(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Affected.

(d) Repair Schemes

Not affected.

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

D. Description

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

(a) The Adel 400WSS range of clips have been replaced with AS62400 range of clips at the clip points that follow:

CP 5701, 5747 and 6058.

(b) The quantity of washers at CP6058 has been reduced to 1 off.

(c) In addition, the length of the bolt at CP 5701 has increased.

E. Compliance

CATEGORY 4.

This Service Bulletin must be done at the first visit of an engine or module to a maintenance base that can complete the accomplishment instructions. This Service Bulletin must be done regardless of the planned maintenance action or the reason for engine removal.

**SERVICE BULLETIN****F. 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 models listed.

G. Manpower

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

Venue	Estimated Man-hours
(1) In service	Not applicable

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

(2) At overhaul	15 Minutes
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H. Material – Price and Availability

- (1) Modification kit No. – MKV700201. The parts contained in this kit are given in section 3.B of this Service Bulletin.
- (2) This kit is available Free Of Charge for a specified time to all affected Customers. Customer should submit a FOC purchase order for the applicable quantities of kits. The purchase order must give the serial numbers of the affected engine and the IAE Tracking No. S 277 UI. This tracking number must be given on all correspondences.
- (3) The FOC purchase order must be submitted to the address that follows:
 - (a) IAE Spares Division
400 Main Street M/S 121-10
East Hartford CT 06108
USA.
- (4) It can take up to thirty days for each purchase order to be delivered.
- (5) The discounted kits will be available between 1st September 1997 to December 31st 1999.

I. Tooling – Price and Availability

Special tools are not necessary.

V2500–ENG–73–0104



J. Weight and Balance

- (1) Weight change

None.

- (2) Moment arm

Not affected.

- (3) Datum

Engine front mount centreline – (Power Plant Station PPS 100).

K. Electrical Load Data

- (1) The aircraft electrical load is not affected by this Service Bulletin.

L. References

- (1) Internal Reference No.

EC97VR002

M. Other Publications Affected

- (1) A5 Engine Manual (EM), Chapter/Section 72-00-40, Installation-01.

- (2) Illustrated Parts Catalog (IPC), Chapter/Section 73-11-49.



2. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

For the correct Removal/Installation procedures refer to the A5 Engine Manual (EM), Chapter/Section 72-00-40.

C. Recording Instructions

(1) A record of accomplishment is necessary.



SERVICE BULLETIN

3. Material Information

Applicability: For each V2500 Engine to incorporate this Service Bulletin.

A. Kits necessary for this Service Bulletin:

(1) Kit No. MKV700201

B. Parts affected by this Service Bulletin:

NEW PART No. (ATA No.)	QTY	EST'D UNIT PRICE (\$)	PART TITLE	OLD PART No. (IPC No.)	INSTR DISP
4W0105 (73-11-49)	1	4.63	Bolt, machine dbl hex CP5701 (0.190 dia x .625)	4W0107 (12-149)	(A)(B)(C) (S1)
AS62406 (73-11-49)	1	22.40	Clip, CP5701 (9,52 mm(0.375))	400WSS6 (12-152)	(A)(B)(C) (S1)
AS62406 (73-11-49)	1		Clip, CP5747 (9,52 mm (0.375))	400WSS6 (12-168)	(A)(B)(C) (S1)
- (73-11-49)	1		Washer CP6058 (9,52 mm (0.375))	K8831 (12-174)	(A)(1D)
AS62406 (73-11-49)	1		Clip, CP6058 (9,52 mm (0.375))	400WSS6 (12-176)	(A)(B)(C) (S1)
AS62405 (73-11-49)	1	21.50	Clip, CP5747 (7,92 mm (0.312))	400WSS6 (16-168)	(A)(B)(C) (S1)

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. Instruction/Disposition Codes:

- (A) New part is available.
- (B) Old part will be discontinued.
- (C) Old part can be used on other applications.
- (S1) Old and new parts are freely and fully interchangeable.
- (1D) Quantity reduced to 1 off.

V2500-ENG-73-0104