



SERVICE BULLETIN

ENGINE - FUEL AND CONTROL - FUEL AND CONTROL - INCORPORATE REVISED EBU HARNESS CLIPPING
REQUIREMENTS AT CP5671 AND CP1097 - CATEGORY CODE 4 - MOD.ENG-73-0006

1. Planning InformationA. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines prior to Serial No.V0077 as delivered

B. Reason

(1) Condition

It has been found that the Low Tension (LT) harness may have insufficient clearance with an oil tube in the vicinity of the diverter valve and that the igniter/EBU harness could foul a servo fuel tube between clip points 5654 and 5671.

(2) Objective

To maintain the required clearance between electrical harness and adjacent features.

(3) Substantiation

Trial installation on a mock-up engine of the changes introduced by this Service Bulletin has produced the required clearances.

(4) Effect of bulletin on workshop procedures:

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

(5) Supplemental Information

None

C. Description

- (1) The changes introduced by this Service Bulletin are as follows:

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- (a) The LT harness is supported by a new clipping point, No.1097, and the igniter/EBU harness is moved by the addition of a 10 mm. spacer at clipping point No.5671. The position of the tube clip located at clipping point 5671 is also turned 180 degrees.

D. Approval

The part number changes described in Sections 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.

E. Compliance

Category Code 4.

Accomplish at the first visit of an engine to a maintenance base capable of compliance with the accomplishment instructions regardless of the planned maintenance action or the reason for engine removal.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In service	Not applicable
(2) At overhaul	30 minutes

G. Material - Price and Availability

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

H. Tooling - Price and Availability

Special tools are not required

I. Weight and Balance

- | | |
|-------------------|-------------------------------|
| (1) Weight change | None |
| (2) Moment arm | No effect |
| (3) Datum | Engine front mount centreline |

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J. Electrical Load Data

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

K. References

(1) Internal Reference No.

EC89VR026

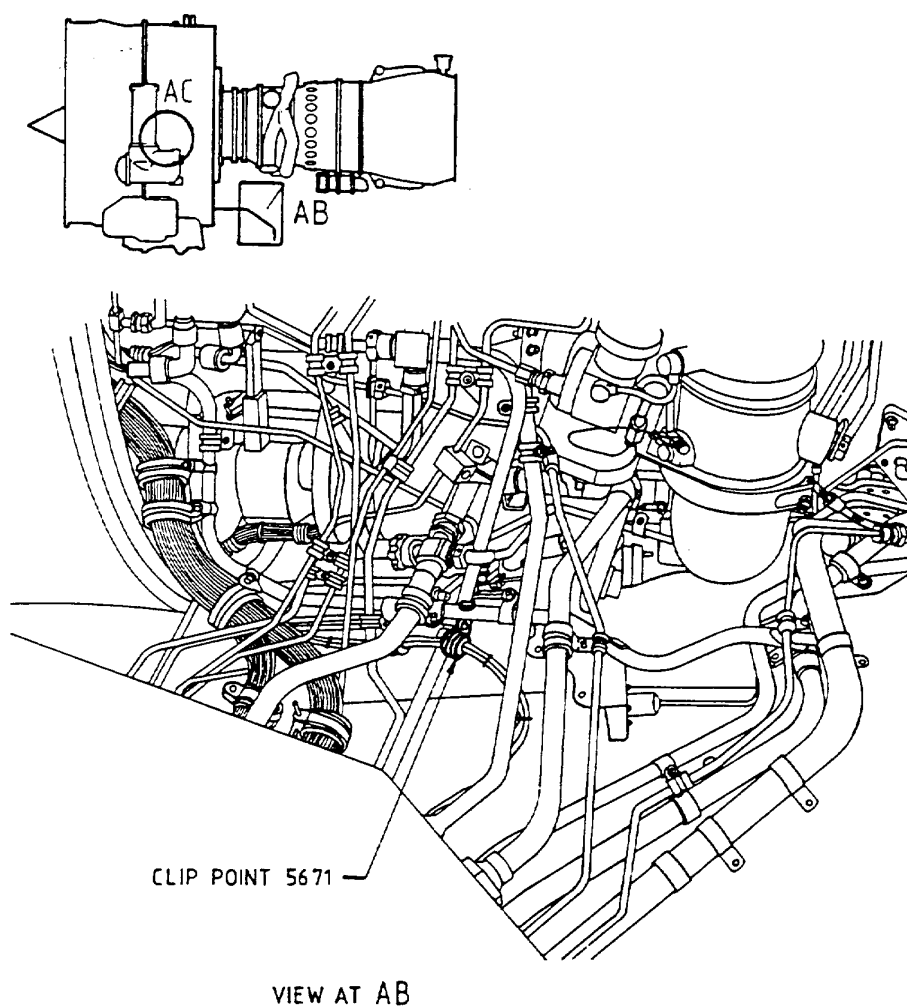
(2) Other References

V2500 Engine Manual, 72-00-32 and 72-00-40, Installations..

L. Other Publications Affected

(1) V2500 Illustrated Parts Catalog, 73-11-49, 75-51-41 and 79-21-49

(2) V2500 Engine Manual, 72-00-40 and 72-00-32, Removal and Installation.



View showing clipping point 5671 - Before alteration
Fig.1

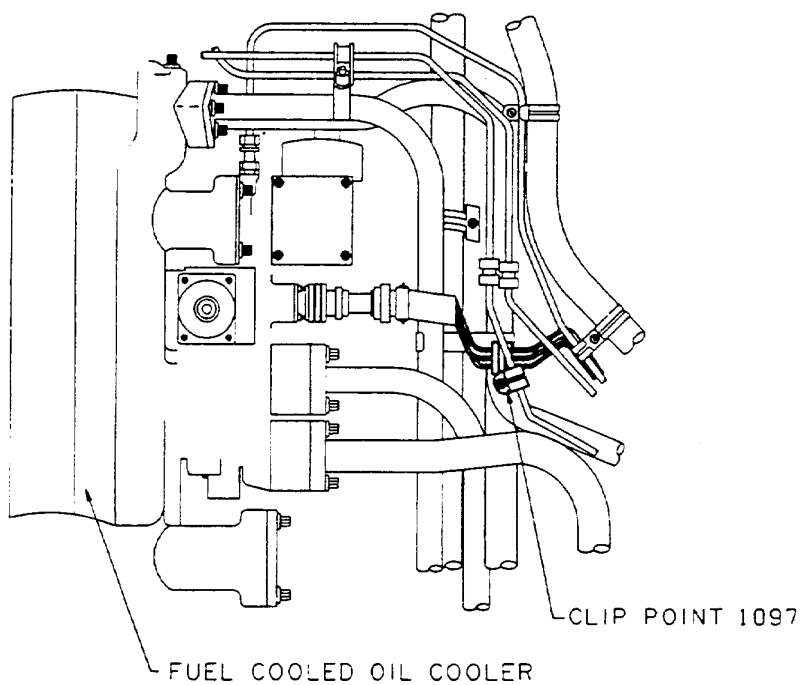
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International Aero Engines

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Printed in Great Britain



VIEW AT AC

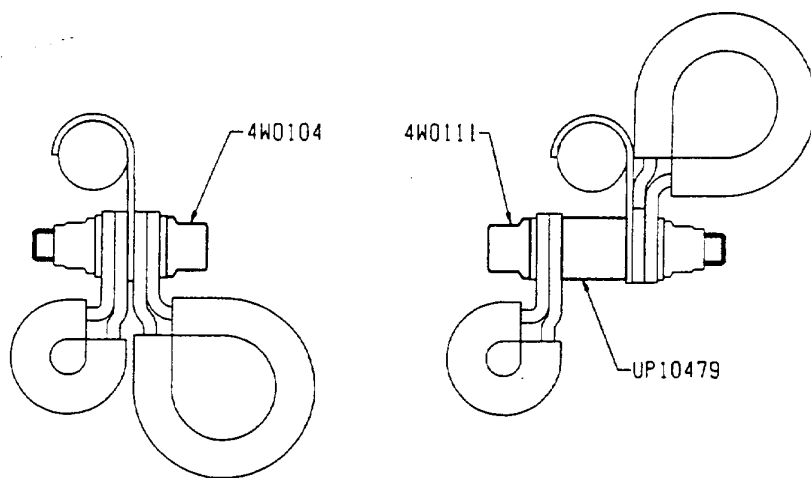
View showing new clipping point 1097
Fig.2

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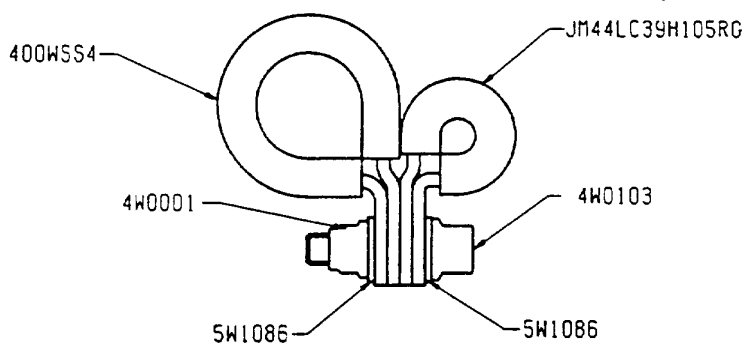
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CLIPPING POINT 5671
BEFORE ALTERATION

CLIPPING POINT 5671
AFTER ALTERATION



CLIPPING POINT 1097
AFTER ALTERATION

View showing clipping points - Before and after alteration
Fig.3

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2. Accomplishment Instructions

A. Rework Instructions

- (1) None

B. Assembly Instructions

- (1) The new clipping arrangements introduced by this Service Bulletin are additional. Assemble parts as shown in fig.3 in accordance with approved procedures, Engine Manual, 72-00-32 and 72-00-40, Installation.

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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3. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
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Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

none

B. Parts affected by this bulletin:

JM44LC39H 105RG (71-51-41)	1	1.23	Clamp, loop	- (02-416)	(A)(C)(S1)
4W0111 (73-11-49)	1	2.67	Bolt, double hex 0.190in. dia x 1.000in.	4W0104 (19-549)	(B)(C)(S2)
UP10479 (73-11-49)	1	-	Spacer, 10 mm	- (19-554)	(A)(C)(S2)
AS21408 (79-21-49)	1	2.87	Bolt, double hex 0.190in. dia x 0.500in.	- (17-525)	(A)(C)(S1)
SP154D (79-21-49)	2	-	Washer	- (17-526)	(A)(C)(S1)
400WSS4 (79-21-49)	1	3.69	Clip, loop	- (17-528)	(A)(C)(S1)
AS20624 (79-21-49)	1	0.69	Nut, double hex 0.190in.	- (17-532)	(A)(C)(S1)

C. Instructions Disposition Code Statements:

- (A) Additional
- (B) Retain for spares for other applications
- (C) New part currently available for sale
- (S1) New parts coded (S1) are to be installed as a complete set at clipping point No.1097
- (S2) New parts coded (S2) replace old parts coded(S2) as a complete set at clipping point 5671

NOTE: The estimated 1989 Unit Prices shown are provided for planning purposes only and do not constitute a firm quotation. Contact IAE's Spare Parts Sales Department for information concerning firm prices.

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