



ENGINE - GENERAL - PROVIDE BOLTS OF INCREASED LENGTH AT CLIPPING POINTS CP0577, CP0560
AND CP0537 - CATEGORY CODE 5 - MOD.ENG-72-0052

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines prior to Serial No.V0107

B. Reason

(1) Condition

The bolts used at clipping points CP0577, CP0560 and CP0537 may not be of sufficient length. This could cause a looseness of the clipping nuts.

(2) Background

The existing bolts at CP0577, CP0560 and CP0537 may not protrude an acceptable protrusion amount.

An increase in bolt length is necessary at each clipping point.

(3) Objective

The changes in configuration recommended in this Service Bulletin are intended to maintain engine reliability.

(4) Substantiation

Substantiation test is not required.

(5) 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

(6) Supplemental Information

None

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**C. Description**

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

(a) The bolts at CP0577, CP0560 and CP0537 have been changed to increase the bolt length (See Figure 1).

(2) The new bolts will be available for future replacement purposes.

D. Approval

The Part Number changes and/or part modifications 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 5

Accomplish when the engine is disassembled sufficiently to afford access to the affected sub-assembly (i.e. Modules, Accessories, Components, Build Groups) and to all affected spare sub-assemblies.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
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(1) In service	Not applicable
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(2) At Overhaul (Note: The parts affected by this Service Bulletin are accessible at overhaul).	
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(a) To remove and replace the clipping bolts at CP0577, CP0560 and CP0537	7 minutes
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G. Material – Price and Availability

(1) Modification Kit is not required. Parts supplied as single line items.

(2) See "Material Information" section for prices and availability of future spares.

H. Tooling – Price and Availability

Special tools are not required to accomplish this Service Bulletin.

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SERVICE BULLETIN

I. Weight and Balance

- | | |
|-------------------|--|
| (1) Weight change | None |
| (2) Moment arm | No effect |
| (3) Datum | Engine front mount centreline
(Powerline Plant Station (PPS) 100) |

J. Electrical Load Data

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

K. References

- (1) Internal Reference No.

EC89VJ045

- (2) Other References

V2500 Engine Manual, 72-00-32, LP Compressor/Intermediate Case Module - Removal and Installation.

L. Other Publications Affected

- (1) V2500 Power Plant Illustrated Parts Catalog, Chapter/Section 71-51-50, 73-22-49 and 75-32-49.
- (2) V2500 Engine Illustrated Parts Catalog, Chapter/Section 71-51-50, 73-22-49 and 75-32-49.

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2. Accomplishment Instructions

A. Rework Instructions

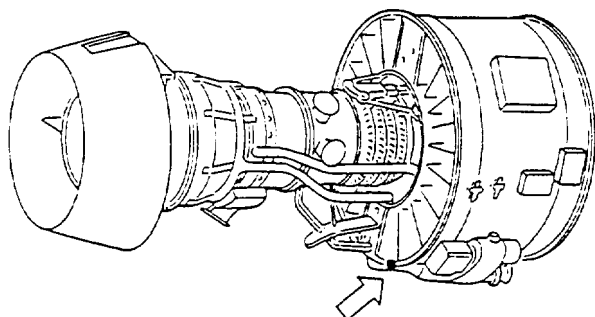
There are no rework instructions necessary to accomplish this Service Bulletin.

B. Fitment Instructions

- (1) At CP0577 and CP0560, remove each 4W0106, Bolt, by the procedure given in the Engine Manual (Refer to Figure 1, and Engine Manual, 72-00-32, LP Compressor/Intermediate Case Module - Removal, TASK 72-00-32-020-003).
- (2) At CP0537, remove 4W0115, Bolt, by the procedures given in the Engine Manual (Refer to Figure 1 and the Engine Manual, 72-00-32, LP Compressor/Intermediate Case Module - Removal, TASK 72-00-32-020-003).
- (3) At CP0577 and CP0560, install each new 4W0108, Bolt, by the procedures given in the Engine Manual (Refer to Figure 1 and the Engine Manual, 72-00-32, LP Compressor/Intermediate Case Module - Installation, TASK 72-00-32-420-003).
- (4) At CP0537, install new 4W0116, Bolt, by the procedures given in the Engine Manual (Refer to Figure 1 and the Engine Manual, 72-00-32, LP Compressor/Intermediate Case Module - Installation, TASK 72-0032-430-003).

C. Recording Instructions

- (1) A record of accomplishment is necessary.



CP0560
REMOVE 4W0106 BOLT
AND
INSTALL 4W0108 BOLT

CP0537
REMOVE 4W0115 BOLT
AND
INSTALL 4W0116 BOLT

CP0577
REMOVE 4W0106 BOLT
AND
INSTALL 4W0108 BOLT

FORWARD →

View showing clipping points CP0537, 0560 and 0577
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
4W0108 (73-22-49)	1	5.98	.Bolt, CP0577	4W0106 (03-125)	(A)(B)(S1)
4W0108 (75-32-49)	1	5.98	.Bolt, CP0560	4W0106 (02-133)	(A)(B)(S1)
4W0116 (71-51-50)	1	8.86	.Bolt, CP0537	4W0115	(A)(B)(S1)

C. Instruction/Disposition Code Statements:

- (A) New Part No. is currently available for sale.
- (B) Old Part can be used up on other applications.
- (S1) New part may be used in place of Old Part, but not vice versa.

NOTE: The estimated 1991 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

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