

POWER PLANT - ENGINE - INCORPORATE REVISED CLIPPING REQUIREMENTS AT CP1001 - CATEGORY
CODE 5 - MOD.ENG-71-0053

1. Planning Information

A. Effectivity

- (1) Airplane: Airbus A320
- (2) Nacelle: V2500-A1 Engines prior to Serial Number V0107, and Engine Serial Numbers V0108, V0116 and V0118

B. Reason

(1) Condition

Insufficient clearance may occur between the EEC Fan Harness and the Permanent Magnet Alternator (PMA) attaching bolt, and this could cause the EEC Fan Harness to contact to the bolt.

(2) Background

This condition has been found on some production engines. A review for the Harness clippings has shown that the clipping configuration at CP1001 is inadequate to give a sufficient clearance between the Harness and the PMA attaching bolt.

(3) Objective

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

(4) Substantiation

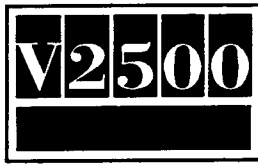
Substantiation test is not required.

(5) Impact of Bulletin on Workshop procedure:

Removal/Installation	Affected (see Supplemental Information)
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

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**SERVICE BULLETIN**

The installation of the Post-Service Bulletin configuration requires instruction for replacement of the EEC Fan Harness clipping nut at CP1001.

C. Description

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

- (a) At clipping position CP1001, the existing Clamp is turned upside down to reroute the EEC Fan Harness. (See Figure 1).
- (b) At clipping position CP1001, the Nut is changed from the clip nut to the ordinary nut. (See Figure 1).

(2) A new nut 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 subassembly (.i.e. Modules, Accessories, Components, Build Groups) and to all affected spare subassemblies.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At overhaul	Not applicable

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 centerline
(Power plant Station (P.P.S.) 100) |

J. Electrical Load Data

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

K. References

- (1) Internal Reference No.
EC89VJ050A
- (2) Other References
 - (1) V2500 Engine Manual , 72-00-32, LP Compressor/Immediate Case Module - Removal and Installation.
 - (2) V2500 Standard Practises/Processes Manual, 70-41-00, Torque Tightening Technique.

L. Other Publications Affected

- (1) V2500 Power Plant Illustrated Parts Catalog, Chapter/Section 71-51-41.
- (2) V2500 Engine Illustrated Parts Catalog, Chapter/Section 71-51-41.
- (3) V2500 Engine Manual, 72-00-32, LP Compressor/Intermediate Case Module - Installation, TASK 72-00-32-420-004.

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2. Accomplishment Instructions

A. Rework Instructions

Not applicable.

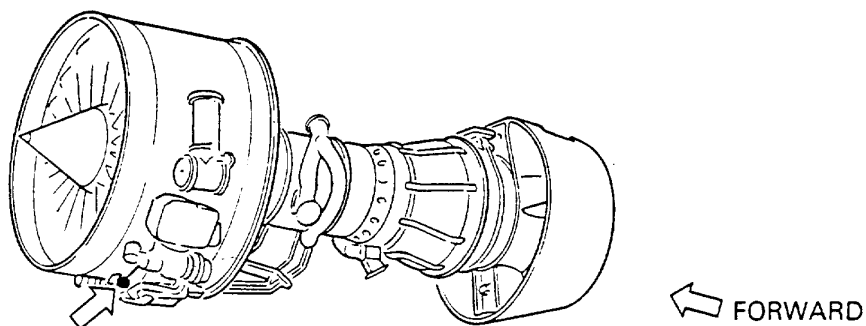
B. Fitment Instructions

- (1) At CP1001, Install PN 4W0102, Bolt, PN JM44LC39H104RG, Clamp, PN 5W1086, Washer, and new PN 4W0001, Nut to the EEC Fan Harness and PN 5W8315, bracket, by the procedures given in the Engine Manual. (refer to Figure 1, and Engine Manual, 72-00-32, LP Compressor/Intermediate Case Module - Installation, TASK 72-00-32-420-004).

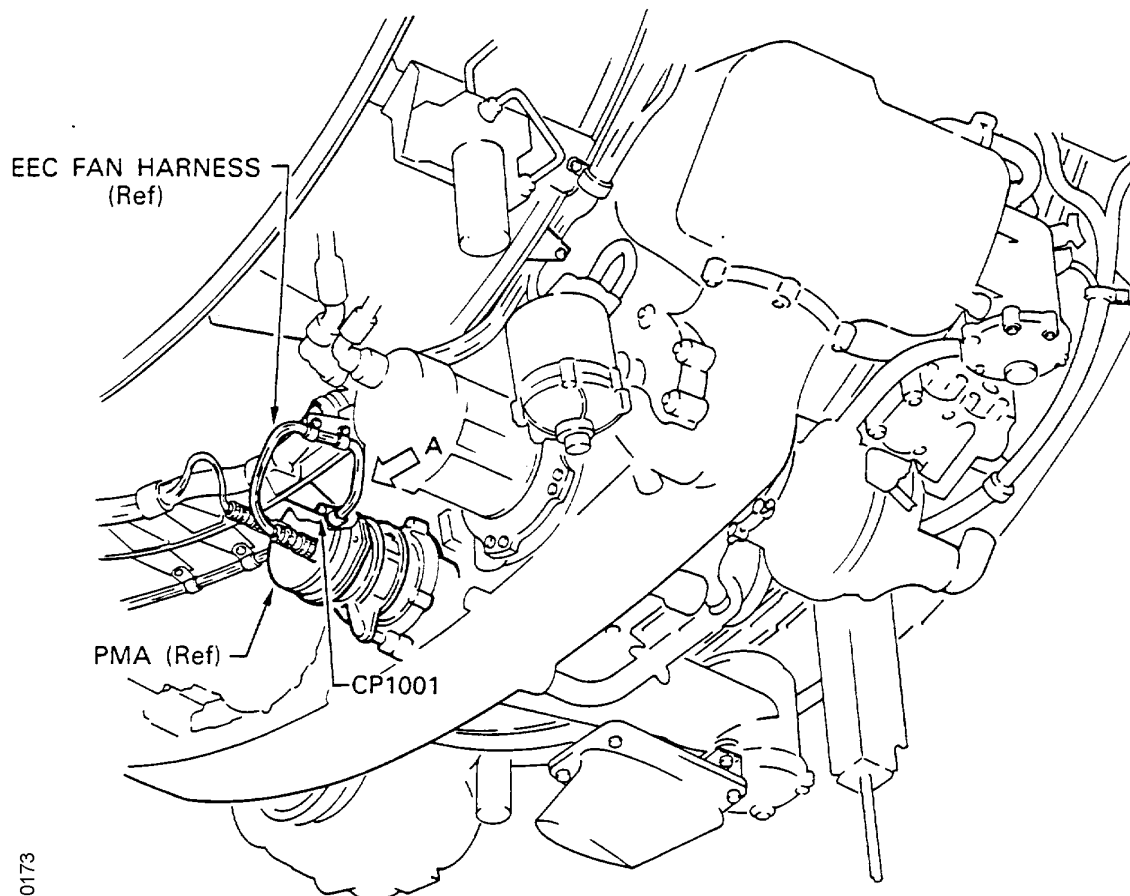
C. Recording Instructions

- (1) A record of accomplishment is necessary.

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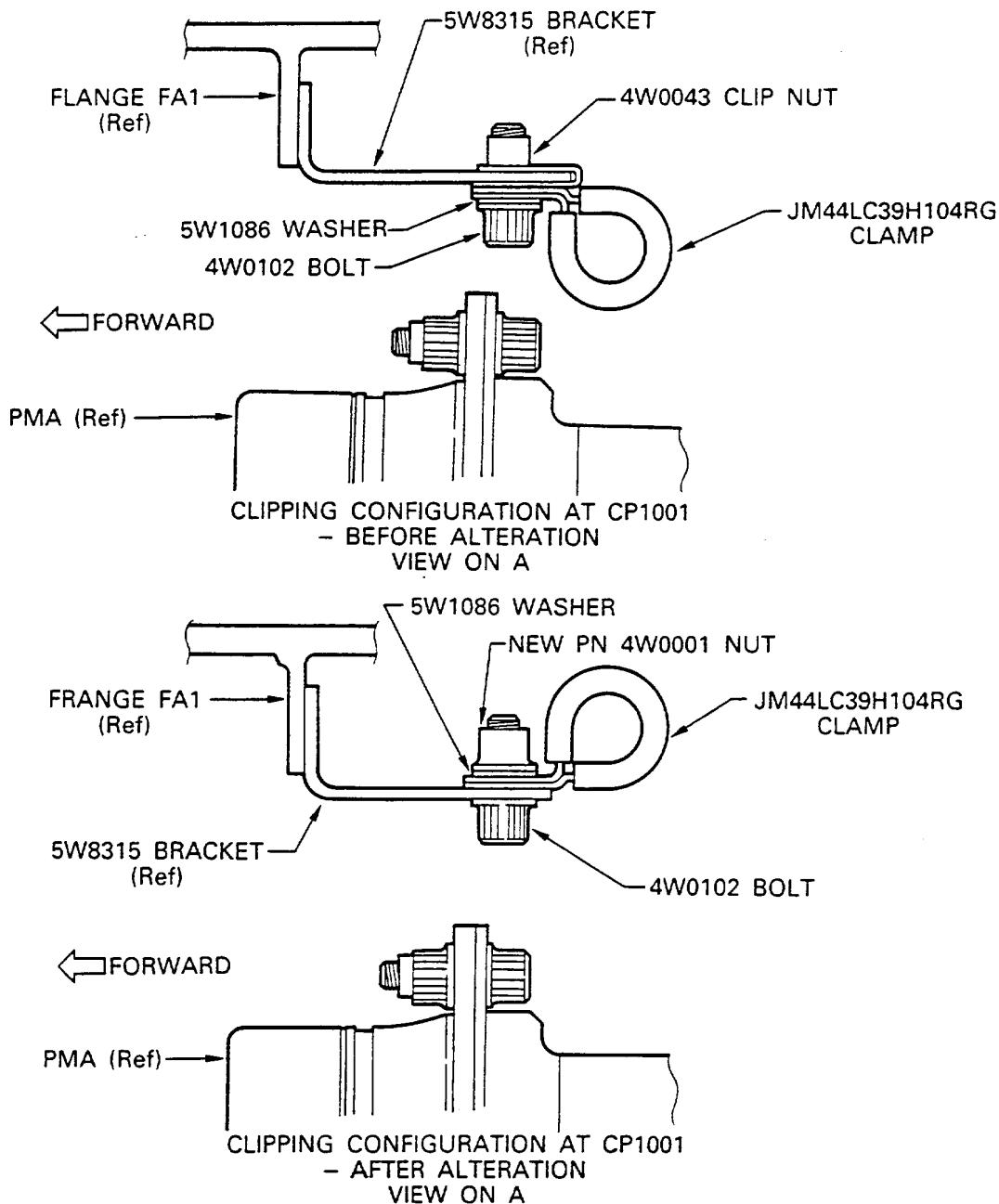
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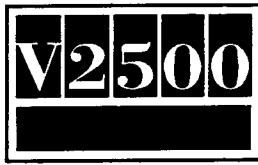
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EEC Fan Harness Clipping Detail at CP1001 - Before and After Alteration
Fig.1 (Sheet 1)

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EEC Fan Harness Clipping Detail at CP1001 - Before and After Alteration
Fig.1 (Sheet 2)

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 Service Bulletin:

None.

B. Parts Affected by this Service Bulletin:

4W0001 (71-51-41)	1	5.18	Nut, CP1001	4W0043 (01-965)	(A)B(S1)
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C. Instruction/Disposition Code Statements:

(A) New part is currently available for sale.

(B) Old part will continue to be available for sale on the other applications.

(S1) Old part can be used up on other applications.

NOTE: The estimated 1990 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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