



POWER PLANT - POWERPLANT - ENGINE - INTRODUCTION OF A LONGER BOLT AT CLIPPING POINT
5523 - CATEGORY CODE 6 - MOD.ENG-71-0122

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A320
(b) Airbus A321
- (2) Engine: (a) V2500-A1 Engines prior to Serial No.V0361
(b) V2500-A5 Engines prior to Serial No.V10045

B. Concurrent Requirements

None

C. Reason

(1) Condition

Difficulty in assembly may occur when installing the bolt at clipping point 5523 due to insufficient length of the bolt.

(2) Background

Service experience has shown that the bolt currently installed at clipping point 5523 is too short to ensure adequate thread protrusion.

(3) Objective

The introduction of a longer bolt is designed to ensure adequate thread protrusion.

(4) Substantiation

A longer bolt has been installed on a trial assembly and found to be satisfactory.

(5) Effect of Bulletin on Workshop Procedures:

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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

D. Description

A longer bolt replaces the existing bolt at clipping point 5523.

E. Approval

The part number changes and/or part modifications described in Section 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.

F. Compliance

Category code 6

Accomplish when the sub-assembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected parts and to all affected spare parts.

G. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:

VENUE	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul	Not affected

H. Material – Price and Availability

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

I. Tooling – Price and Availability

Special tools are not required

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J. Weight and Balance

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

K. Electrical Load Data

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

L. References

- (1) Internal Reference No.

EC93VR091

- (2) Other References

Service Bulletin V2500-ENG-72-0053, Engine - General - Provide Various Replacement External Tubes with Relocated Tube Sleeves.

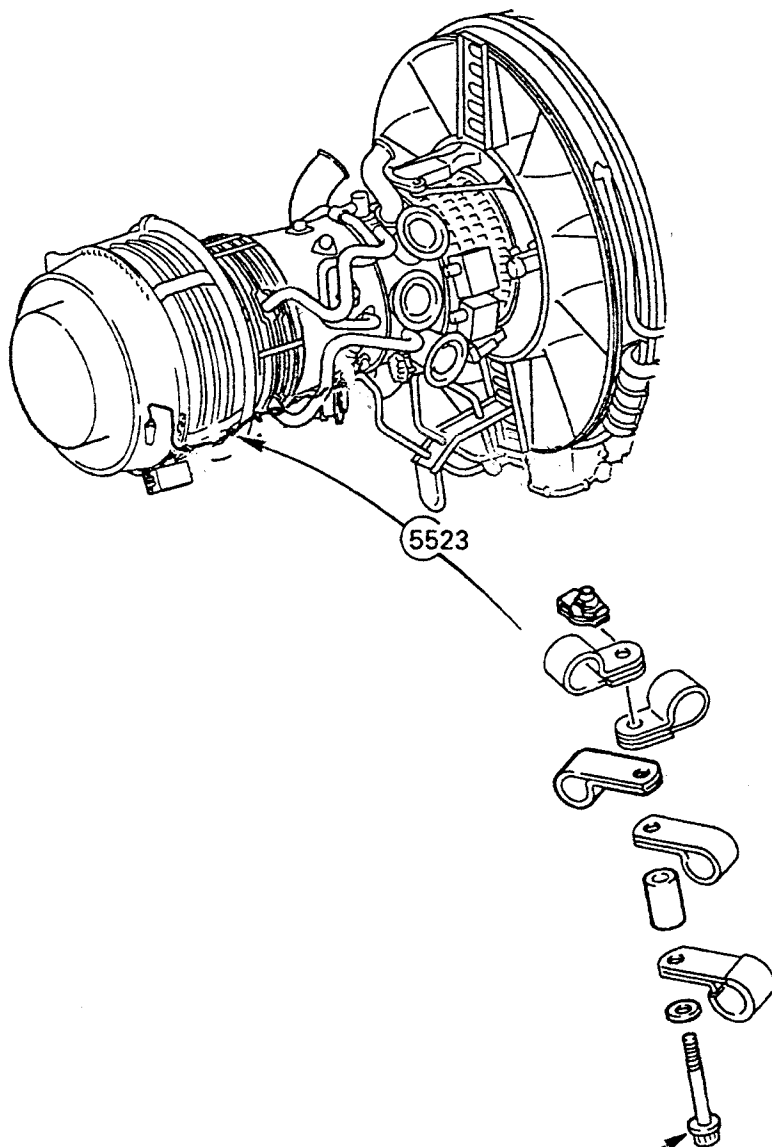
M. Other Publications Affected

- (1) V2500 Illustrated Parts Catalog (S-V2500-1IA and S-V2500-2IA)
Chapter/Section 71-73-49 will be revised.

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REMOVE 4W0116 AND
INSTALL 4W0117

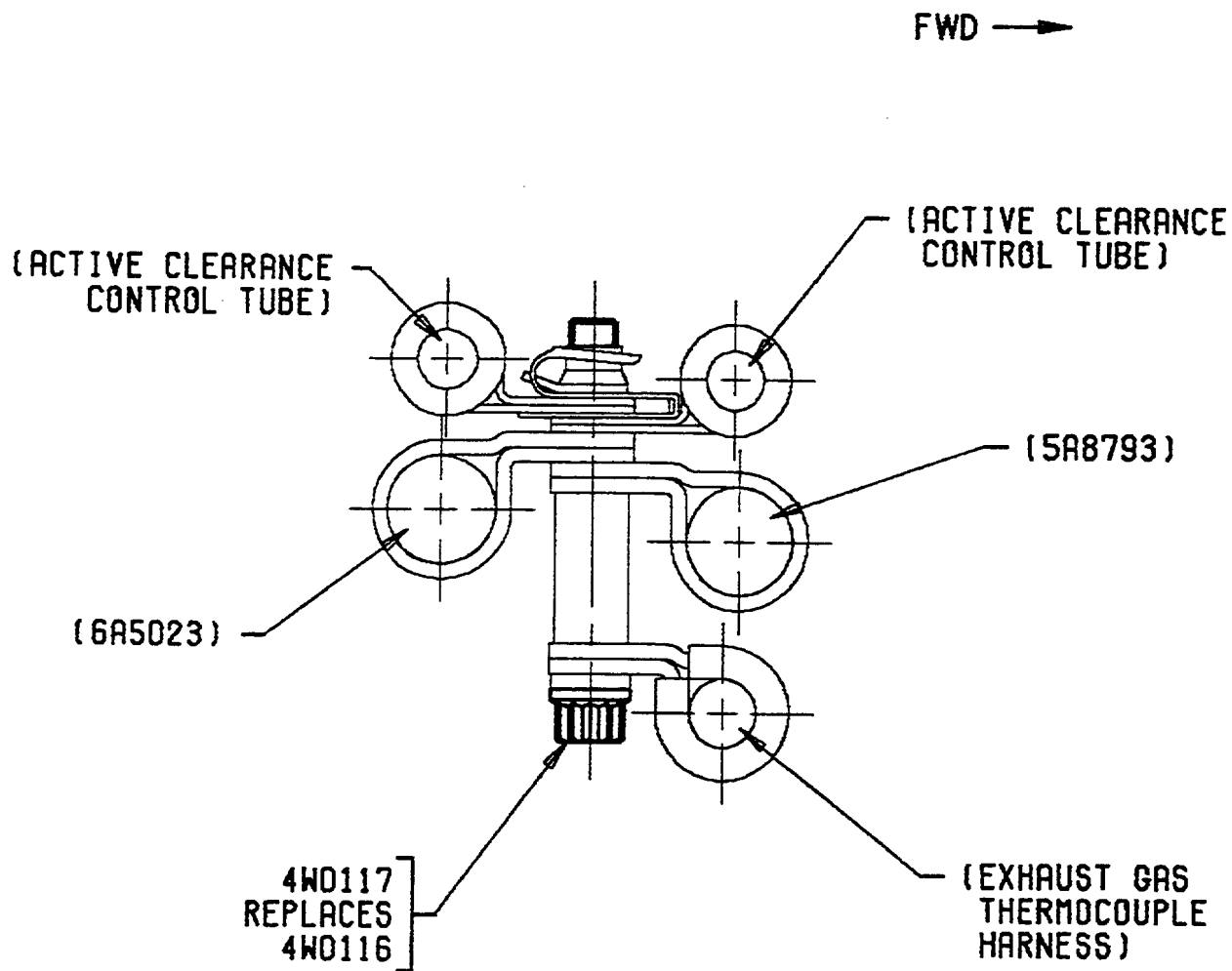
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Location of bolt
Fig.1

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Clipping point 5523 Before and after alteration
Fig.2

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2. Accomplishment Instructions

A. Rework Instructions

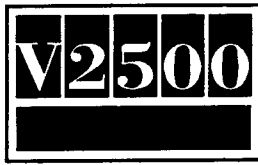
There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

- (1) Install the 4W0017 bolt in accordance with approved procedures, Engine Manual (E-V2500-1IA), Task 72-00-50-420-005-A00 and 72-00-50-420-005-B00.
- (2) Refer to Figures 1 and 2 of this Service Bulletin

C. Recording Instructions

- (1) A record of accomplishment is necessary

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
4W0117 (71-73-49)	1		Bolt CP5523	4W0116 (01-533)	(A)(B)(S1)

C. Instructions/Disposition Code Statements:

(A) New part is currently available

(B) Old part can be used up in other applications

(S1) New part may be used in place of old part but not vice versa

NOTE: The estimated 1994 unit price is provided for planning purposes only and does not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

