



POWER PLANT - EGT AND FIREWIRE HARNESS - INTRODUCTION OF LONGER BOLT AT CLIPPING POINT
7800 - CATEGORY CODE 6 - MOD.ENG-71-0161

1. Planning Information

A. Effectivity

- (1) Aircraft: McDonnell Douglas MD-90
- (2) Engine: (a) V2525-D5 Engines prior to Serial No.V20018
(b) V2528-D5 Engines prior to Serial No.V20018

B. Concurrent Requirements

None

C. Reason

(1) Condition

Incorrect thread protrusion of bolt at clipping point 7800.

(2) Background

During assembly it was highlighted that the bolt currently installed at clipping point 7800 is too short to make sure there is correct thread protrusion.

(3) Objective

The introduction of a longer bolt is designed to make sure there is correct thread engagement.

(4) Substantiation

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

(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

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None

D. Description

A longer bolt replaces the existing bolt at clipping point 7800.

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 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

J. Weight and Balance

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

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K. Electrical Load Data

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

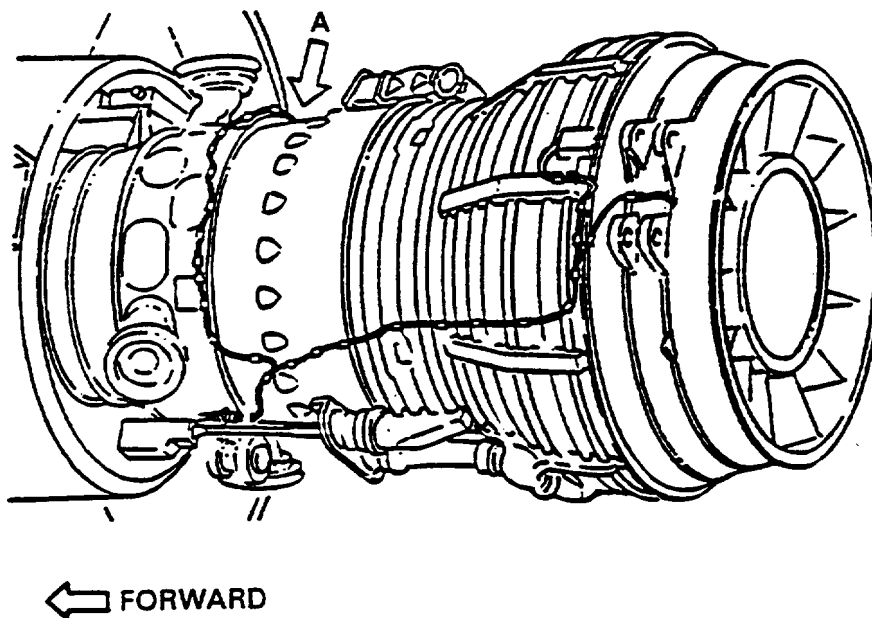
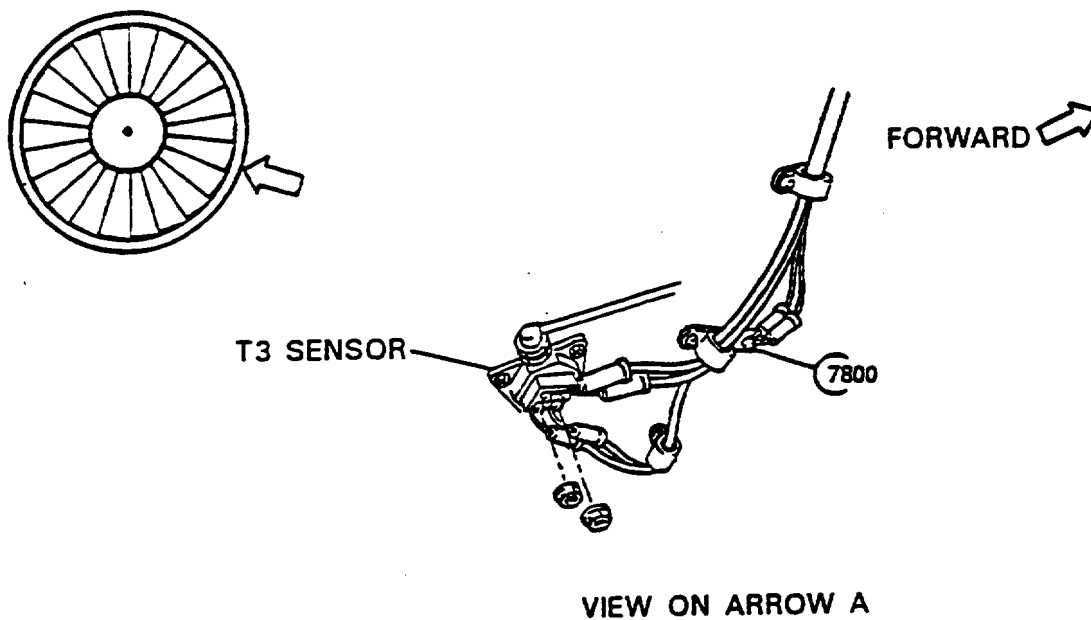
L. References

- (1) Internal Reference No.

EC95VR001

M. Other Publications Affected

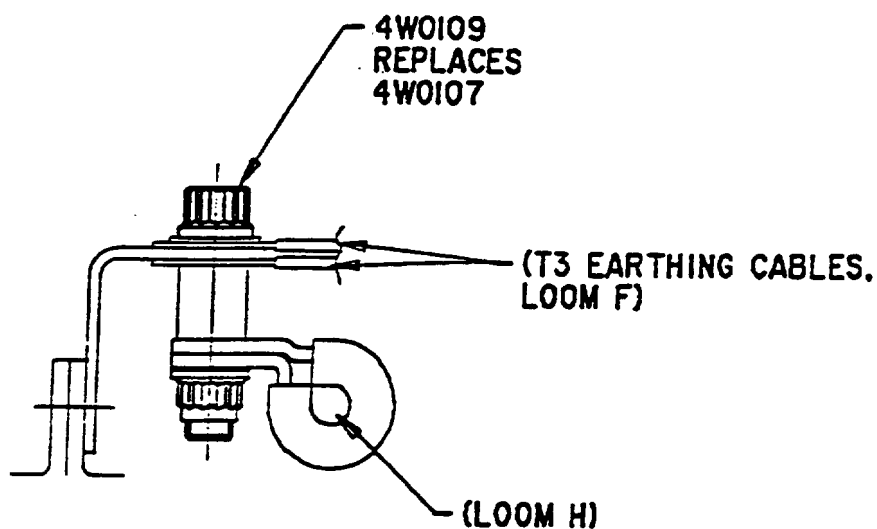
- (1) V2500 Illustrated Parts Catalog (S-V2500-3IA), Chapter/Section 71-52-54
- (2) V2500 Engine Manual (E-V2500-3IA), Chapter/Section 72-00-40, Removal -02 and Installation -09.
- (3) V2500 Component Maintenance Manual (CMM-EHC-V2500-3IA), Chapter/Section 71-52-54, Cleaning and Inspection.



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Clipping Point 7800 Flange 'FK' Bolt Nos 3 & 4
Fig.2

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2. Accomplishment Instructions

A. Removal Instructions

- (1) Remove the 4W0001 nut and 4W0107 bolt from clipping point 7800. Refer to Figures 1 and 2.

B. Rework Instructions

None

C. Installation Instructions

- (1) Assemble existing clipping point 7800. Refer to Figures 1 and 2.

WARNING: DO NOT GET CLEANING FLUID ON YOUR SKIN OR IN YOUR EYES. PUT ON PROTECTIVE CLOTHING, GOGGLES AND A FACE MASK. USE THE FLUID IN A WELL VENTILATED AREA. DO NOT BREATHE THE GAS. IF YOU GET THE CLEANING FLUID ON YOUR SKIN OR IN YOUR EYES FLUSH IT AWAY WITH WATER. GET MEDICAL AID IF YOUR SKIN OR EYES BECOME IRRITATED.

- (2) Make a clean lint free cloth moist with V01-002 cleaning fluid, use the cloth to clean the mating face of the new 4W0109 bolt and all mating faces of existing parts of clipping point 7800.
- (3) Install the new 4W0109 bolt and existing parts of clipping point 7800.
- (4) Torque the nut to 36 to 45 lbfin (4 to 5Nm).

D. Recording Instructions

- (1) A record of accomplishment is necessary.



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
4W0109 (71-52-54)	1	4.00	Bolt CP7800	4W0107	(A)(B)(S1)

C. Instruction/Disposition Code Statements:

(A) New part is currently available

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

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

D. Consumable Materials

CoMat 01-002 Trichlorethane inhib and stabil.

NOTE: The estimated 1995 unit price shown 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.

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