



ENGINE INDICATING - EGT HARNESS AND JUNCTION BOX - INTRODUCTION OF LONGER BOLT AT
CLIPPING POINT 7860 - CATEGORY CODE 6 - MOD.ENG-77-0008

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) McDonnell Douglas MD-90
- (2) Engine: (a) V2525-D5 Engines prior to Serial No.V20011
(b) V2528-D5 Engines prior to Serial No.V20011

B. Concurrent Requirements

None

C. Reason

(1) Condition

Inadequate thread protrusion of bolt at clipping point 7860.

(2) Background

During assembly it was highlighted that the bolt currently installed at clipping point 7860 is too short to ensure adequate thread protrusion.

(3) Objective

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

(4) Substantiation

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

(5) Effect of Bulletin on Workshop Procedures:

Removal/Installation	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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SERVICE BULLETIN

The Removal/Installation will be revised to add the new configuration of this Service Bulletin.

D. Description

A longer bolt replaces the existing bolt at clipping point 7860.

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 Engine Models listed.

F. Compliance

Category Code 6

Accomplishment 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.

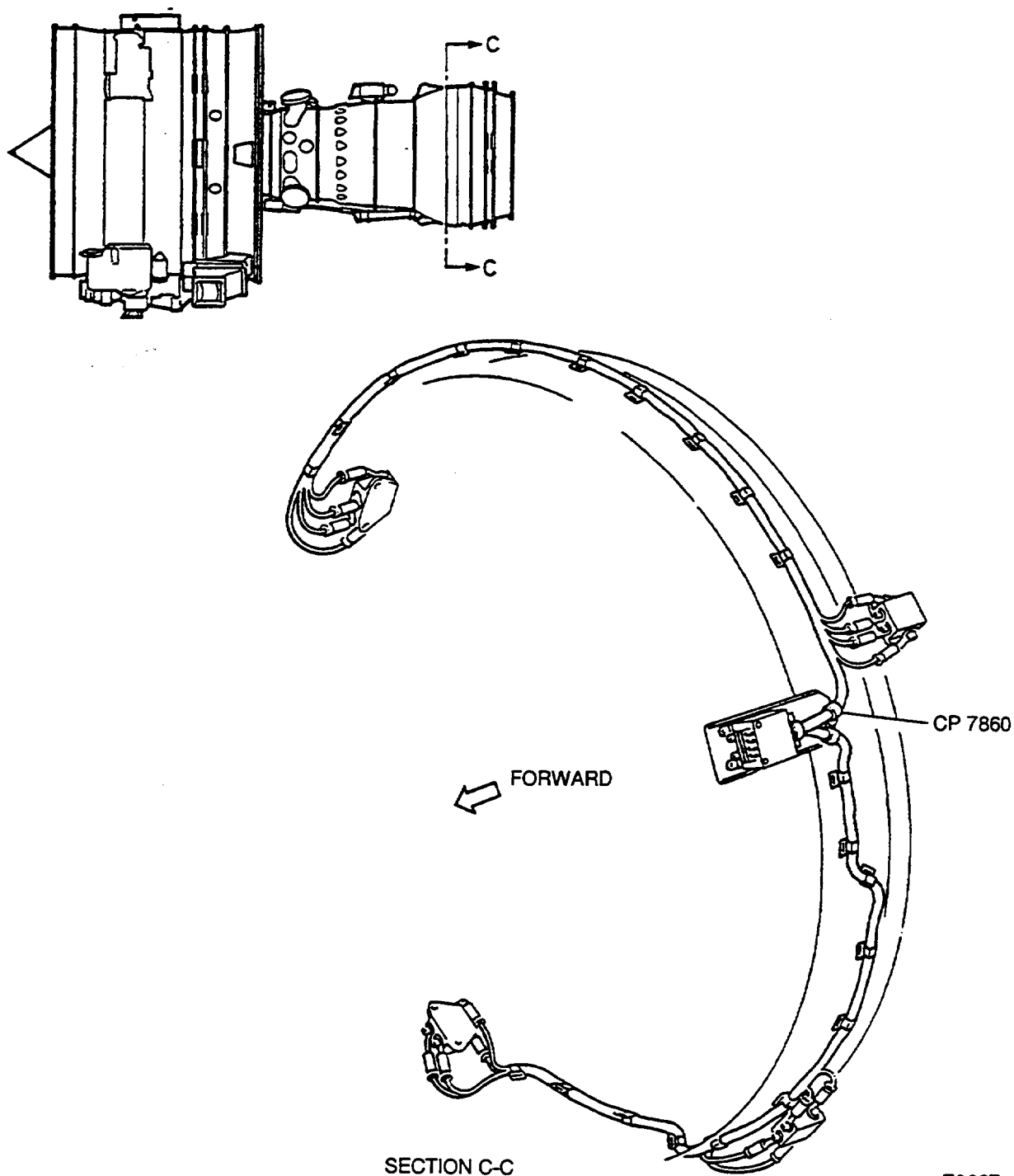
L. References

(1) Internal Reference No.

EC94VR055

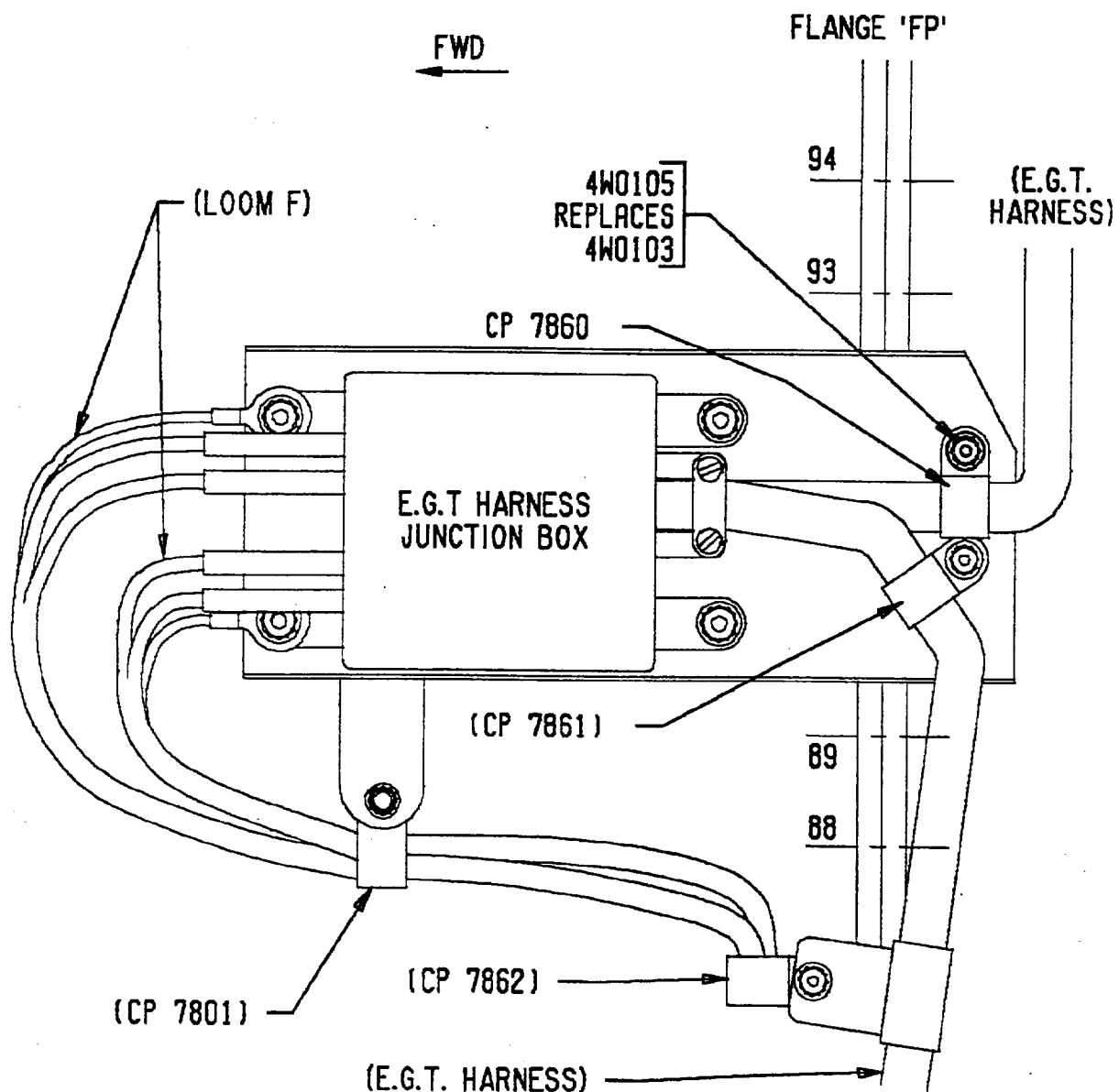
M. Other Publications Affected

- (1) V2500 Illustrated Parts Catalog (S-V2500-3IA), Chapter/Section 77-21-43.
- (2) V2500 Engine Manual (E-V2500-3IA), 72-00-50, Removal-01 and Installation-07.
- (3) V2500 Engine Maintenance Manual (M-V2500-3IA), 77-21-43, Removal and Installation.



Location of EGT Harness, Junction Box and CP7860
Fig.1

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VIEW ON E.G.T. HARNESS JUNCTION BOX
SHOWING CLIPPING POINT 7860
BEFORE AND AFTER ALTERATION

Clipping point 7860 - Before and after alteration
Fig.2

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2. Accomplishment Instructions

A. Rework Instructions

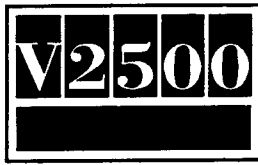
There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

- (1) Find the E.G.T. mounting bracket for clipping point 7860. Refer to Figures 1 and 2.
- (2) Remove the 4W0103 bolt from clipping point 7860 and install new 4W0105 bolt. Torque the bolt to 36 to 45 lbfin (4 to 5 Nm). Refer to Figures 1 and 2.

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
4W0105 (77-21-43)	1	4.36	Bolt CP7860	4W0103 (02-110)	(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 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.

