



SERVICE BULLETIN

POWER PLANT – EEC CHANNEL A AND B HARNESSSES (LOOM A AND B) – INTRODUCTION OF ALTERNATIVE PLUG ASSEMBLIES – CATEGORY CODE 6 – MOD.ENG-71-0176

1. Planning Information

A. Effectivity

- (1) Aircraft (a) McDonnell Douglas MD-90
- (2) Engines (a) V2525-D5 Engines
- (b) V2528-D5 Engines

B. Concurrent Requirements

None.

C. Reason

(1) Condition

There is a customer requirement to introduce an alternative connector to the EEC Fancase Loom A at position PI-8024 and Loom B position PI-8017 at the connections with the Engine Dedicated Alternator (EDA).

(2) Background

The problem has been encountered on a number of engines in service.

(3) Objective

Incorporation of this Service Bulletin is designed to maintain reliability.

(4) Substantiation

The changes introduced by this Service Bulletin have been the subject of satisfactory engineering analysis by Douglas Aircraft Company (D.A.C.).

(5) Effect of Bulletin on Workshop Procedures:

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Affected
Repair	Affected
Testing	Not affected

(6) Supplemental Information

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None.

D. Description

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

- (a) Two additional alternative plug assemblies are introduced similar to the existing items at position PI-8024 on Loom A and PI-8017 on Loom B.

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. Category Code 6.

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

G. Manpower

Estimated man-hours to incorporate the full intent of this Bulletin:

Venue

Estimated Man-hours

(1) In service

(2) At overhaul

H. Material - Price and Availability

(1) Modification kit is 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

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(3) Datum

Engine front mount centreline
(Power Plant Station - PPS 100)

K. Electrical Load Data

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

L. References

(1) Internal Reference No.

96VR038

(2) Other References

Component Maintenance Manual, 71-71-51, 71-71-54, Inspection/Check and Repairs.

Repair schemes, 1031, 1032, 1034, 1035, 1036 and 1037.

V2500 Engine Illustrated Parts Catalog

M. Other Publications Affected

(1) The V2500-D5 Engine Illustrated Parts Catalog, Chapter/Section 71-51-54, 71-51-51, to add new parts.

(2) V2500-D5 Engine Manual, 72-00-32.

(3) MD90 Aircraft Maintenance Manual, 71-51-51 and 71-51-54



2. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

- (1) Install the alternative plug assemblies in accordance with approved procedures, Reference Engine Manual, Chapter/Section 72-00-32.

C. Recording Instructions

- (1) A record of accomplishment is necessary.

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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
59000K13- 98SN (71-51-51)	Ref		Plug assy	- (04-260)	(A)(B)
59000K13- 98SA (71-51-54)	Ref		Plug assy	- (04-085)	(A)(C)

C. Instructions Disposition Code Statements:

- (A) Additional part
- (B) Alternative to T3K1213-98SN and MT938T13K98S
- (C) Alternative to T3K1213-98SA and MT938T13K98SA

NOTE: The estimated 1996 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.

