

ENGINE - POWER PLANT - INTRODUCE A NEW FANCASE HARNESS WITH REVISED LENGTH LOOMS -
CATEGORY CODE 7 - MOD.ENG-71-0159

1. Planning Information

A. Effectivity

- (1) Aircraft: McDonnell Douglas MD-90
- (2) Engine: V2500-D5 Engines prior to V20009
V2528-D5 Engines prior to V20009

B. Concurrent Requirements

None

C. Reason

(1) Condition

See Background

(2) Background

During installation of the EEC fan harness it was highlighted that the length of harness looms A and B required adjustment.

(3) Objective

Incorporation of this Service Bulletin is designed to ease harness fitment.

(4) Substantiation

The parts instructed by this Bulletin were installed on a mock up engine with acceptable results.

(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

None

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**D. Description**

This Bulletin introduces new harness assemblies 'A' and 'B' with limb lengths adjusted to facilitate fitment.

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 7

Accomplish when supply of superseded parts has been depleted.

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 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	TBA
(2) Moment Arm	TBA
(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.

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L. References

(1) Internal Reference No.

EC94VR042

(2) Other references

V2500-ENG-71-0154.

M. Other Publications Affected

(1) V2500 Engine Illustrated Parts Catalog.



2. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

- (1) New 6A5945 harness assembly loom 'A' and new 6A5946 harness assembly loom 'B' are fully interchangeable with in use harness assemblies.
- (2) Install the new 6A5945 harness assembly loom 'A' and new 6A5946 harness assembly loom 'B' by use of approved procedures, Engine Manual, 72-00-32, Installation -04.

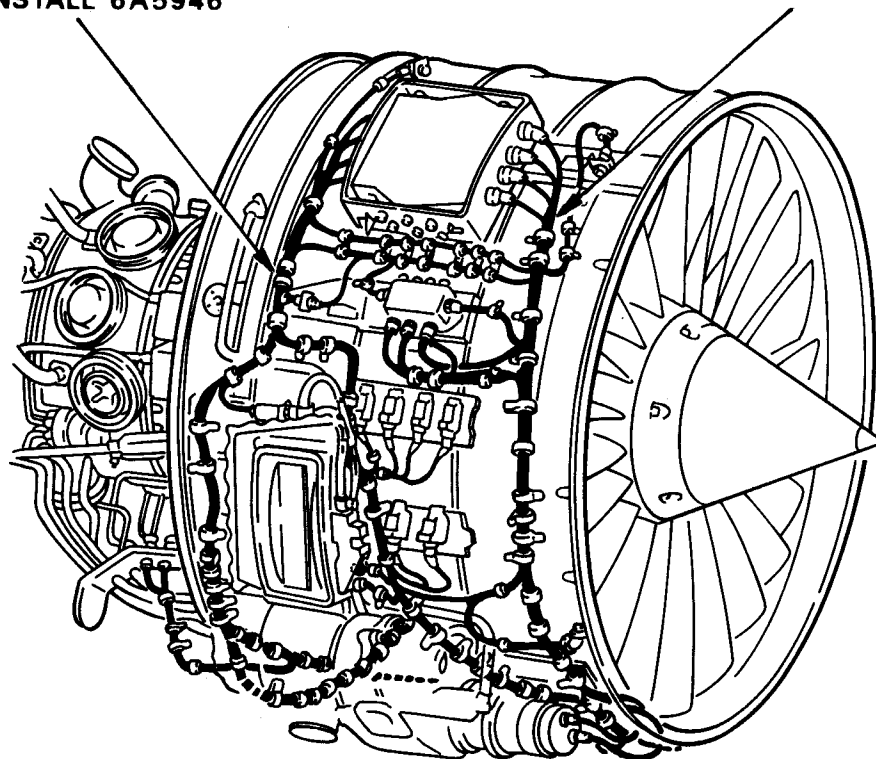
C. Recording Instructions

- (1) A record of accomplishment is necessary.



REMOVE 6A5941 LOOM B
AND INSTALL 6A5946

REMOVE 6A5940 LOOM A
AND INSTALL 6A5945



E3709

Location of fan case harnesses
Fig.1

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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
6A5945 (71-51-51)	1	15,370	Harness assy Loom 'A'	6A5940 (01-005)	(A)(B)(S1)
6A5946 (71-51-51)	1	35,020	Harness assy Loom 'B'	6A5941 (01-005)	(A)(B)(S1)

C. Instruction/Disposition Code Statements:

(A) New parts currently for sale

(B) Old parts no longer available for sale

(S1) Old and new parts are freely and fully interchangeable both physically and functionally

NOTE: The estimated 1995 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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