



POWER PLANT - GENERAL SERVICE HARNESS (LOOM E) INTRODUCTION OF REVISED CLIPPING OF EEC HARNESS - CATEGORY CODE 7 - MOD.ENG-71-0179

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) McDonnell Douglas MD-90
- (2) Engines: (a) V2525-D5 Engine prior to Serial No.V20156  
(b) V2528-D5 Engine prior to Serial No.V20156

B. Concurrent Requirements

None.

C. Reason

(1) Condition

Insufficient clearance can exist between:

- (a) The EEC Harness Loom B Ignition Exciter Lead and an adjacent Rohr tube assembly.
- (b) A clipping support bracket and the No.2 Ignition lead cooling shroud.

(2) Background

See (1).

(3) Objective

Incorporation of this Service Bulletin is designed to maintain reliability.

(4) The changes introduced by this Service Bulletin have been the subject of satisfactory engineering analysis, and a successful trial installation on a mock-up engine.

(5) Effect of bulletin on workshop procedures:

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

## (6) Supplemental Information

None.

D. Description

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

- (a) Clip point 7909 is modified by introducing an additional spacer and increasing the bolt length and clip size.
- (b) Clip point 7911 is modified by turning the clip support bracket through 180 degrees, so that the clipping land on the bracket now faces rearwards.

E. Approval

The part number changed and or part modification described in section 2 and 3 of this modification 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 7.

Accomplish when supply of superseded parts have been depleted.

## G. Manpower

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

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

NOTE: The parts affected by this Service Bulletin are accessible at overhaul.

## H. Material – Price and Availability

(1) Modification kit is not required.

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- (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 centreline<br>(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.

EC96VR019

- (2) Other References

MD90 Aircraft Maintenance Manual, Chapter/Section 71-52-54.

MD90 Aircraft Maintenance Manual, Chapter/Section 71-52-51.

## M. Other Publications affected

- (1) V2500 Illustrated Parts Catalog, Chapter/Section 71-52-51.
- (2) V2500 Engine manual, Chapter/Section 72-00-32.



2. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

- (1) Install the revised clip points using approved procedures, refer MD90 Aircraft Maintenance Manual, Chapter/Section 71-52-54 and 71-52-51.

C. Recording Instructions

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
AS62512 (71-52-51)	1	11-00	Clamp, loop, style, cushion(CP7909) (19,05 mm)	AS62509 (01-368)	(A)(S1)(1D)
AS20915 (71-52-51)	1	3-38	Bolt, bihex hd (CP7909) (0.190 dia x 0.938)	4W0103 (01-372)	(A)(S1)(1D)
UP10479 (71-52-51)	1	11-00	Spacer (CP7909) (10 mm)	- (01-374)	(A)(B)

C. Instructions/Disposition Code Statements:

- (A) New part is currently available.
- (B) Additional
- (S1) New and old parts are not interchangeable.
- (1D) Old part maybe used up on other applications.

NOTE: The estimated 1997 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 Part Sales Department for information concerning firm prices.

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