

# International Aero Engines

# SERVICE BULLETIN

# 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

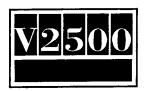
See (1).

(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 Disassemble/Assembly Cleaning Inspection/Check Repair Testing Affected
Not affected
Not affected
Not affected
Not affected
Not affected

(6) Supplemental Information

None.

#### D. <u>Description</u>

- (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. <u>Compliance</u>

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Accomplish when supply of superseded parts have been depleted.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 (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.

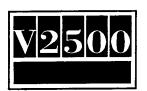
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(2) Other References

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.



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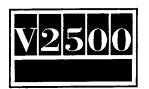
#### 2. Accomplishment Instructions

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



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#### 3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

#### A. <u>Kits associated with this Bulletin:</u>

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. <u>Instructions/Disposition Code Statements:</u>

- (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.

