



ENGINE – FUEL AND CONTROL – ENGINE FUEL AND CONTROL – FUEL NOZZLE – INTRODUCTION OF  
REVISED COOLING AIR SUPPORT BRACKET – CATEGORY CODE 7 – MOD.ENG-73-0095

1. Planning Information

A. Effectivity

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

B. Concurrent Requirements

None.

C. Reason

(1) Condition

The clearance between a support bracket of the turbine cooling air pipe and the adjacent pipes of the fuel-nozzle manifold assembly is not sufficient.

(2) Background

The problem has been found during the assembly of production engines.

(3) Objective

The purpose of this Service Bulletin is to maintain reliability.

(4) Substantiation

A satisfactory engineering analysis has been done on the changes introduced by this Service Bulletin.

(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**

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

- (a) A support bracket of the turbine cooling air pipe has been changed. The back edge of the bracket has been cut back by 3,00 mm (nominal) to provide additional clearance.

**E. Approval**

The part number changes and/or part modifications are given in Section 2 and 3 of this service bulletin. They obey the applicable federal Aviation Regulations and are FAA-APPROVED for the Engine Model Listed.

**F. Compliance**

Category code 7.

This service bulletin can be done when there are no initial parts remaining.

**G. Manpower**

Estimate of man-hours necessary to do this Service Bulletin in full:

Venue	Estimated Man-hours
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(1) In service .. ..	Not applicable
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(2) At overhaul .. ..	Not affected
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**H. Material – Price and Availability**

(1) A modification kit is not necessary.

(2) See "Material Information" section for prices and availability of spares.

**I. Tooling – Price and Availability**

Special tools are not necessary.

**J. Weight and Balance**

(1) Weight change .. ..	None
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(2) Moment arm .. ..	No effect
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(3) Datum .. ..	Engine front mount centreline (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.

EC96VR003

- (2) Other References

The V2500 Engine Manual (EM), Chapter/Section 72-42-00.

The MD90 Aircraft Maintenance Manual (AMM), Chapter/Section 73-13-41.

M. Other Publications Affected

- (1) The V2500 Engine Illustrated Parts Catalog (IPC), Chapter/Section 73-13-41 will be revised.



2. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

- (1) For the correct installation procedures, refer to the V2500 Engine Manual (EM), Chapter/Section 72-42-00 and the MD90 Aircraft Maintenance Manual (AMM), Chapter/Section 73-13-41.

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
6A6475 (73-13-41)	1	81.70	Bracket	6A4796 (01-400)	(A)(B)(S1)

NOTE: The 1997 unit prices shown are an estimate and they are given for the purpose of planning only. For information about actual prices, refer to the IAE Price Catalog or contact IAE's Spare Parts Sales Department.

#### C. Instructions/Disposition Codes

- (A) New part is currently available.
- (B) Old part will be discontinued.
- (S1) Old and new parts are freely and fully interchangeable.

