



ENGINE - FUEL AND CONTROL - ENGINE- FUEL AND CONTROL - FUEL SYSTEM TUBES - ENGINE -  
INTRODUCTION OF REVISED FUEL TUBE ASSEMBLY BETWEEN FUEL FLOWMETER AND BIFURCATION PANEL  
- CATEGORY CODE 7 - MOD.ENG-73-0120

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Boeing Douglas Product Division MD-90
- (2) Engines: (a) V2525-D5 Engines prior to Serial No.V20007  
(b) V2528-D5 Engines prior to Serial No.V20007

B. Concurrent Requirements

None.

C. Reason

(1) Condition

- (a) The clearance between the flowmeter to bifurcation panel fuel-tube and the fuel tube of the fuel vapour collector is not sufficient.
- (b) The oil tube assembly between the pump/filter assembly and the ACOC does not obey engine assembly standards.

(2) Background

The problems were found during assembly of production engines.

(3) Objective

The purpose of this Service Bulletin is to obey engine assembly standards.

(4) Substantiation

A satisfactory engineering analysis has been done on the changes contained in this Service Bulletin. A successful trial installation on a V2500 mock-up engine has also been done.

(5) Effect of Bulletin on Workshop Procedures

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## SERVICE BULLETIN

Removal/Installation	Affected
Disassembly/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 are as follows:

(a) A different tube assembly between the fuel flowmeter and the bifurcation panel is introduced. It has been positioned closer to the fan case to increase the clearance with the attachment flange of the fuel-vapour collector tube.

(b) The clip that attaches the fuel tube to CP2038 has been moved from the top of the spacer to the bottom, adjacent to the bracket.

NOTE: This does not affect the hardware, thus no change has been recorded in the Material Information section.

(c) A different oil tube between the pump/filter assembly and the ACOC has been introduced. The number of support lugs is increased from two to four to give more positions to attach clip points CP2055 and CP2388.

E. Approval

The part number changes and/or part modification 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

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This Service Bulletin can be done when there are no initial parts remaining.

G. Manpower

Estimate of manhours necessary to do this Service Bulletin in full:

Venue	Estimated Manhours
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(1) In service	.. .. .	Not applicable
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- (2) At overhaul .. .. No more time is necessary to do this  
Service Bulletin

NOTE: It is possible to get access to the affected parts during overhaul.

## 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
- (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  
EC92VR382

## M. Other Publications Affected

- (1) Illustrated parts catalogue (IPC), Chapter/Sections 73-11-49 and  
79-21-49.



2. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

For the correct removal/installation procedures refer to the MD-90 Aircraft Maintenance Manual (AMM), Chapter/Section 73-31-12, Removal/Installation.

C. Recording Instructions

(1) A record of accomplishment is necessary.



## SERVICE BULLETIN

3. Material Information

Applicability: For each V2500 engine to incorporate this Bulletin.

A. Kits necessary for 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
6A6004 (73-11-49)	1	994.00	Tube A/O - fuel flowmeter to bifurcation panel	6A5041 (08-100)	(A)(B)(S1)
6A5366 (79-21-49)	1	776.00	Tube, assy of - oil, pump and filter to ACOC	6A5061 (01-100)	(A)(B)(S1)

NOTE: The unit prices, if 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 not interchangeable.

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