



ENGINE - FUEL AND CONTROL - ENGINE FUEL AND CONTROL - FUEL SYSTEM AIR TUBES -
INTRODUCTION OF A REVISED P2T2 TUBE ASSEMBLY AND SUPPORT BRACKET - CATEGORY CODE 7 -
MOD.ENG-73-0106

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

To get access to a bolt which attaches the intake cowl to the LP Compressor, a P2T2 tube assembly must be removed.

The problem is caused by clearance between the P2T2 tube assembly and the LP Compressor case which is not sufficient.

(2) Background

The problem has been found during installation of the intake cowl.

(3) Objective

The purpose of this Service Bulletin is to make the installation of the nacelle easier.

(4) Substantiation

A satisfactory engineering analysis has been done on the changes 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	Not 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:

- (a) The tube assembly between the P2T2 probe and disconnect has changed. To get access to the intake cowl bolt at hole position 94, the route of the tube has changed. The clearance with the LP Compressor case has increased.
- (b) The support bracket of the P2-tube has changed. The support hole position has been moved 13,10 mm clockwise, so that the new P2T2 tube assembly can be installed.

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

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

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

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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 |
| (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.
EC94VR059

M. Other Publications Affected

- (1) Illustrated Parts Catalog (IPC), Chapter/Section 73-22-49
- (2) V2500 Engine Manual (EM), Chapter/Section 72-00-32.



2. Accomplishment Instructions

A. Rework Instructions

Not required

B. Assembly Instructions

For the correct removal/installation procedures, refer to the V2500-D5 Engine Manual, Chapter/Section 72-00-32.

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
6A6164 (73-22-49)	1	664.00	Tube A/O - P2T2 probe to disconnect	6A5097 (08-300)	(A)(B)(S1)
6A5951 (73-22-49)	1	159.00	Bracket - assy of - P2 tube support	6A5565 (08-360)	(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 not interchangeable.

