



# SERVICE BULLETIN

ENGINE - FUEL AND CONTROL - ENGINE FUEL AND CONTROL - FUEL METERING UNIT -  
COMMONISATION OF WOODWARD GOVERNOR COMPANY FUEL METER - CATEGORY CODE 7 -  
MOD.ENG-73-0108

## 1. Planning Information

### A. Effectivity

- (1) Aircraft: (a) McDonnell Douglas MD-90
- (2) Engines: (a) V2525-D5 Engines prior to Serial No. V20144  
(b) V2528-D5 Engines prior to Serial No. V20144

### B. Concurrent Requirements

None

### C. Reason

#### (1) Condition

There is a requirement to optimise the production of Woodward Governor Company supplied Fuel Meters to commonise them for both A5 and D5 model applications.

#### (2) Background

See (1) Condition

#### (3) Objective

The purpose of this Service Bulletin is to decrease the number of units necessary.

#### (4) Substantiation

Changes introduced by this modification have been the subject of satisfactory engineering analysis along with successful vendor rig testing, engine ground and flight testing.

#### (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

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None.

D. Description

- (1) This Service Bulletin contains the installation of a Fuel meter with the Woodward Governor Company Modification EC 807014-05.
- (2) The Fuel Meter on V2500-D5 engines is similar to the Fuel Meter on V2500-A5 engines. The A5 unit has a flow straightener.

The changes are as follows:

- (a) A new Fuel Meter is added with a flow straightener. The flow straightener has an interference fit and is installed in the discharge port.
- (3) Units that have this modification will have a new type number (see 3B).

E. Approval

The part number changes and/or part modification are 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 no old part remain.

G. Manpower

Estimate of man-hours to do this Service Bulletin.

Venue	Estimated Man-hours
(1) In service .. ..	Refer to Vendor Service Bulletin
(2) At overhaul .. ..	Refer to Vendor Service Bulletin

H. Material - Price and Availability

- (1) Modification kit is not required.
- (2) See "Material Information" section for prices and availability of new spares.

I. Tooling - Price and Availability

Special tools are not required.

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## 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.

EC96V1007C

- (2) Other References

Refer to Vendor Service Bulletin, EC 80-7014-05.

## M. Other Publications Affected

- (1) The V2500-05 Illustrated Parts Catalog (IPC), Chapter/Section 73-22-52.
- (2) The V2500-D5 Engine Manual (EM), Chapter/Section 73-31-02.

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2. Accomplishment Instructions

A. Rework Instructions

Units that have had this Service Bulletin done will have a new part number.  
(Refer to 3.B).

B. Assembly Instructions

For the Removal/Installation of the FMU, refer to the V2500-D5 Engine Manual,  
Chapter/Section 73-31-02.

C. Recording Instructions

(1) Refer to Vendor Service Bulletin.



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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
8061-632 (73-22-52)	1	Quote	Meter, Fuel	8061-626 (01-100)	(A)(B)(S1)

C. Instructions Disposition Codes:

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

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 Parts Sales Department for information concerning firm prices.

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