



# SERVICE BULLETIN

ENGINE - MAIN GEARBOX ASSEMBLY - PROVIDE A REWORK FOR THE MAIN OIL SCAVENGE PUMP HOUSING ASSEMBLY TO ELIMINATE AN INTERFERENCE WITH A PUMP PACKING - CATEGORY CODE 8 - MOD.ENG-72-0225

## 1. Planning Information

### A. Effectivity

- (1) Aircraft: McDonnell Douglas MD-90
- (2) Engine: V2525-D5 engines prior serial number V20055
- (3) Engine: V2528-D5 engines prior serial number V20055

### B. Reason

#### (1) Condition

- (a) At the oil scavenge pump installation the front packing fitted on the pump mounting flange could be damaged by interfering with the edges of the oil orifice present in the pump housing.

#### (2) Background

- (a) This condition was observed in service

#### (3) Objective

To improve the installation procedure

#### (4) Substantiation

None

#### (5) Effects of Bulletin on Workshop Procedures

Removal/Installation	Not affected
Disassembly/Cleaning	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

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C. Description

- (1) Old Part Number 4B2216, Oil scavenge Housin can be reworked to the new configuration (See Figure 1)

D. Approval

The part number changes and part modifications described in Section 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulation and are FAA-APPROVED for the Engine Model listed.

E. Compliance

Category 8

Accomplish based on operator's experience

F. Manpower

Estimated man-hours to incorporate the full intent of this Bulletin:

Venue	Estimated Man-hours
(1) In service:	Not applicable
(2) At overhaul	
(a) To rework the oil scavenge housing.....	10 minutes

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

G. Material - Price and Availability

- (1) Modification Kit is not provided
- (2) See "Material information" section for prices and availability of future spares.

H. Tooling - Price and Availability

N/A

I. Weight and Balance

- |                   |           |
|-------------------|-----------|
| (1) Weight change | No effect |
| (2) Moment arm    | No effect |

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(3) Datum

Engine front mount centerline  
(Powerplant Station (P.P.S) 100)

J. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

K. References

(1) Internal Reference No.

EC95VF012

(2) Other References

The MD-90 Aircraft Maintenance Manual

The V2500-D5 Engine Manual

L. Other Publications Affected

(1) The V2500-D5 Engine Illustrated Parts Catalog, Chapter/Section 72-60-26, to add the new part number.

(2) The V2500-D5 Engine Manual Chapter/Section 72-60-23, Cleaning to change part number

(3) The V2500-D5 Engine Manual Chapter/Section 72-60-23, Inspection to change part number

(4) The V2500-D5 Engine Manual Chapter/Section 72-60-23, Repair to change part number



## 2. Accomplishment Instructions

### A. Rework instructions

#### PROCEDURE

- (1) Blend edges in the area A1.  
Radius to be 0.06in. (1,5 mm)  
approximately.  
Blend in area A2 is optional.  
Do not blend in area A3

#### SUPPLEMENTARY INFORMATION

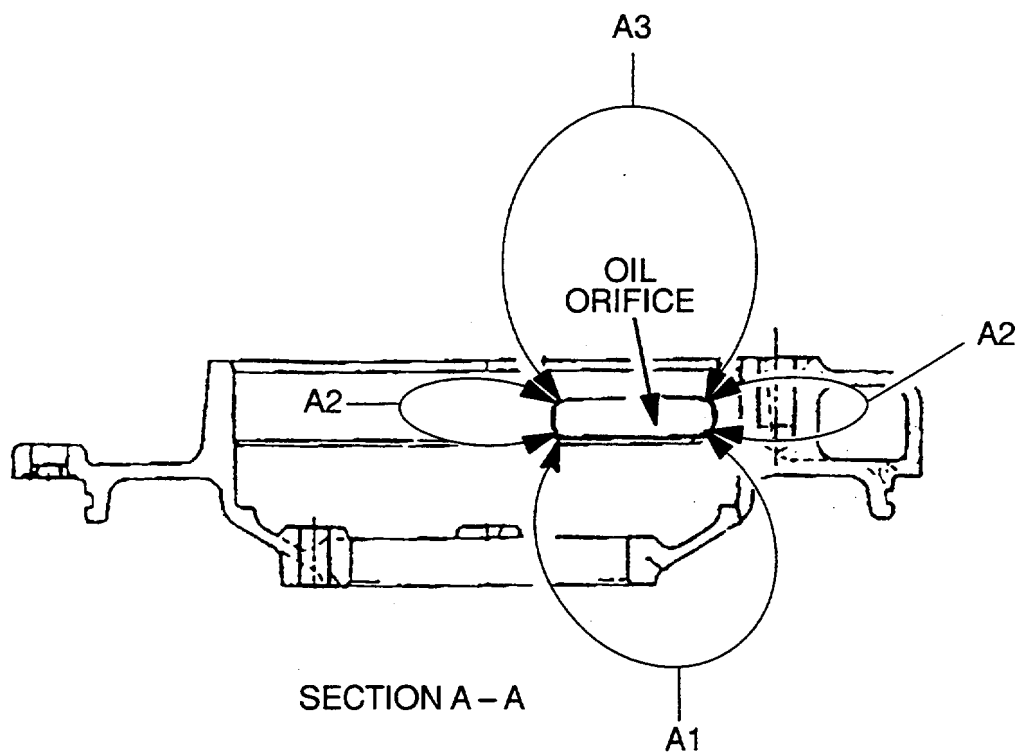
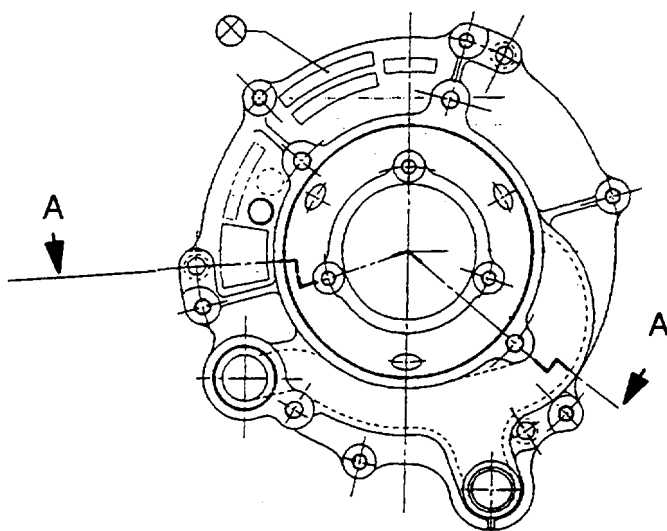
Refer to Figure 1.  
Refer to 70-35-03-350-501  
Use CoMat 02-140 triangular  
india stone  
Make sure that blended areas  
are smooth and that no burrs are  
left.

- (2) Cancel the old part number.  
and identify the housing with  
the new part number

Old P/N	New P/N
4B2216	4B2289
See TASK 70-09-00-400-501	
Use vibro-engraving equipment	

### B. Recording Instruction

- (1) A record of accomplishment is necessary



Oil scavenge pump housing  
Fig.1

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3. Material Information

Applicability: For each V2525-D5 or V2528-D5 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.)	Instruction Disposition
4B2289 (72-60-26)	1	1413.00	.Housing, A/O Oil Scavenge	4B2216 (01-080)	(A) (B) (S1) (1D)

C. Instructions/Disposition Code Statements:

- (A) New Part is currently available for sale.
- (B) Old part will no longer be available for sale.
- (1D) Old part may be reworked and reidentified to the new part number.
- (S1) Old parts and new parts are directly interchangeable.

NOTE: The estimated 1996 Unit Price shown is provided for planning purposes only and does 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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