



**International Aero Engines
SERVICE BULLETIN**

OIL – ENGINE OIL SCAVENGE PUMP COUPLING REDESIGN

MODEL APPLICATION

V2500 - A1
V2522 - A5
V2524 - A5
V2527 - A5
V2530 - A5
V2533 - A5
V2525 - D5
V2528 - D5

BULLETIN INDEX LOCATOR

79 - 22 - 41

Compliance Category Code

7

Internal reference No.

98VF003

June 11/99

V2500-ENG-79-0074

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OIL - ENGINE OIL SCAVENGE PUMP COUPLING REDESIGN

1. Planning Information

A. Effectivity

(1) Aircraft :

Airbus A319 - A320 - A321 / McDonnell Douglas - MD 90

(2) Engine:

V2500 - A1 Engines prior to serial No. V0362

V2522 - A5 Engines prior to serial No. V10689

V2524 - A5 Engines prior to serial No. V10689

V2527 - A5 Engines prior to serial No. V10689

V2530 - A5 Engines prior to serial No. V10689

V2533 - A5 Engines prior to serial No. V10689

V2525 - D5 Engines prior to serial No. V20292

V2528 - D5 Engines prior to serial No. V20292

B. Reason

(1) Condition:

The geometry of the Oil Scavenge Pump Coupling could be revised to reduce the manufacturing costs.

(2) Background:

Current Oil Scavenge Pump Coupling geometry could be optimized.

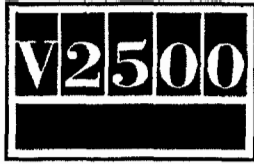
(3) Objective:

Incorporation of this Service Bulletin is designed to provide a revised Oil Scavenge Pump Coupling geometry by introducing these modifications:

- Constant section with teeth all along;
- No internal lightening hole.

(4) Substantiation:

By Design - The modifications will not have any impacts in terms of durability and performance of the Scavenge Pump.



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(5) Effects of Bulletin on Workshop Procedures:

Removal / Installation	Not Affected
Disassembly / Assembly	Not Affected
Inspection / check	Not Affected
Repair	Not Affected
Testing	Not Affected

C. Description

This Service Bulletin introduces a revised Oil Scavenge pump Coupling similar to the existing one except for:

- (1) Constant section with teeth all along.
- (2) No internal lightening hole.

D. Approval

The part number changes and part modifications described in Section 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 Code 7.

Accomplish when supply of superseded parts has been depleted.

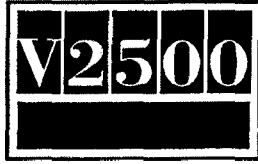
F. Manpower

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

<u>Venue</u>	<u>Estimated Man-hours</u>
(1) In service:	Not applicable
(2) At overhaul:	Not applicable (Parts 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.



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H. Tooling - Price and Availability

Not affected.

I. Weight and balance

- | | |
|----------------------|---|
| (1) Weight change | Negligible |
| (2) Moment arm | No affect |
| (3) Datum centerline | Engine front mount (Powerplant Station (P.P.S.)100) |

J. Electrical Load Data

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

K. References

The V2500 - Engine Manual (E-V2500-1IA and E-V2500-3IA) Chapter / Section 79 - 22 - 41 Assembly / Disassembly.

L. Other Publications Affected

V2500 - Engine Illustrated Parts Catalog, (S - V2500 - 1IA, S - V2500 - 2IA and S - V2500 - 3IA) Chapter / Section 79 - 22 - 41 fig. 01 and 02 will be changed to add new part number.



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2. Accomplishment Instructions

A. Rework Instructions

None

B. Disassembly Instructions

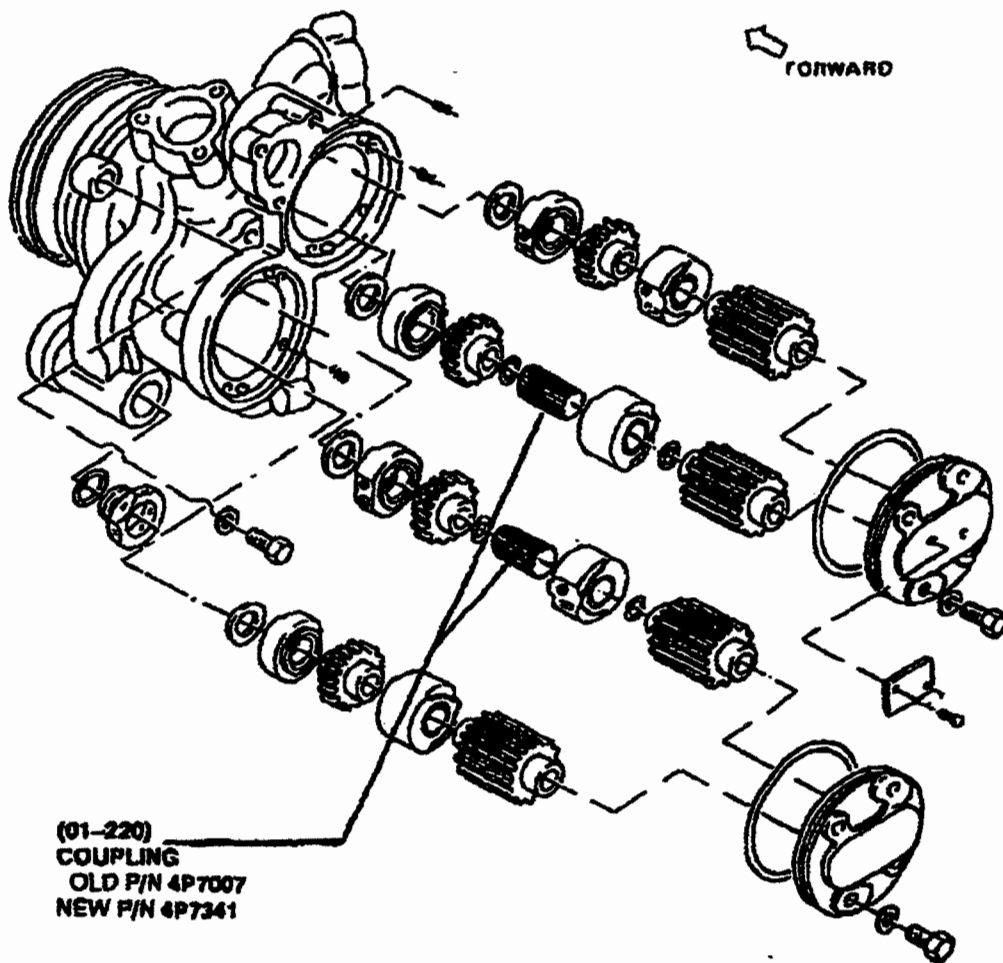
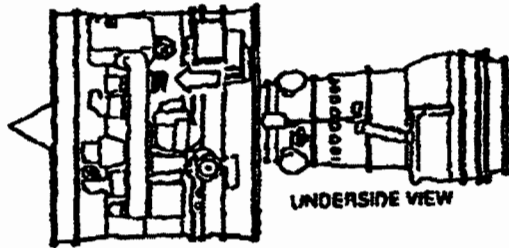
None

C. Assembly Instructions

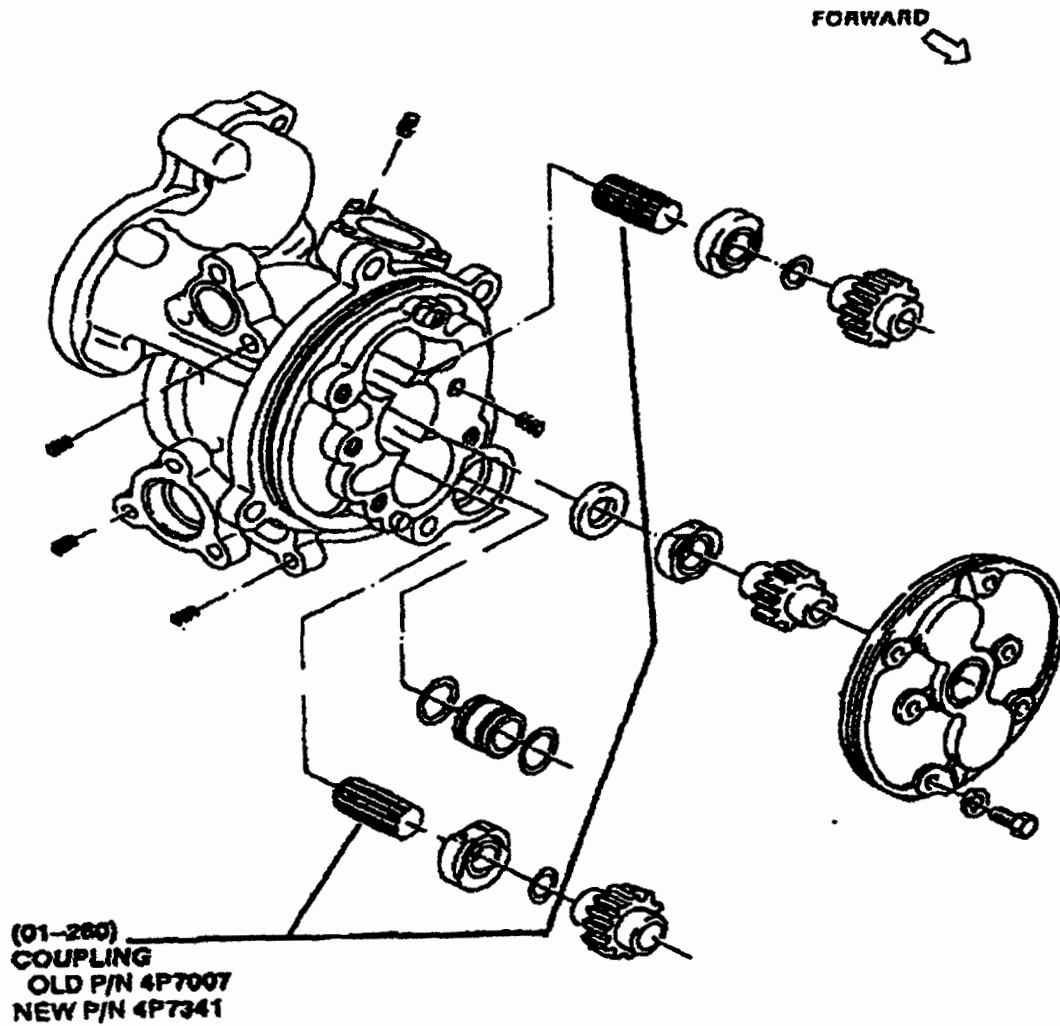
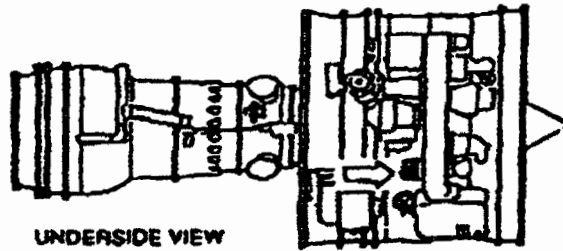
None

D. Recording Instructions

A record of accomplishment is necessary.



(fig. 01) SCAVENGE OIL PUMP



(fig. 02) SCAVENGE OIL PUMP



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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
4P7341 (79-22-41)	2	-	COUPLING	4P7007 (01-220)	(A) (B) (S1)
4P7341 (79-22-41)	2	-	COUPLING	4P7007 (01-260)	(A) (B) (S1)

NOTE: The Unit Prices, if shown, are estimate and they are given for the purpose of planning only. For information about actual prices, refer to the IAE Price Catalog or contact.

C. Instructions / Disposition Code Statements:

- (A) Parts are available for sale.
- (B) The old parts will no longer be available for sale.
- (S1) New and old part are fully interchangeable.