



DATE: Jun.28/99

Subject: Transmittal of Revision 1 to Service Bulletin No.V2500-ENG-79-0071

Service Bulletin Revision History:

<u>Event</u>	<u>Date</u>
Basic issue	Apr. 03/99
Revision 1	Jun.28/99

Reasons for Issuance of Revision:

(1) To revise the material availability

Effect on Past Compliance:

(1) None

List of Effective pages:

<u>Page No.</u>	<u>Rev.No.</u>	<u>Date</u>
1 to 7	1	Jun.28/99

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Transmittal

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# International Aero Engines SERVICE BULLETIN

ENGINE - OIL - INTRODUCE AN UPGRADED OIL PRESSURE PUMP

## MODEL APPLICATION

V2500-A1

## BULLETIN INDEX LOCATOR

79-21-00

Compliance Category Code

4

Internal Reference No.

EC98VF008

Apr.03/99

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ENGINE OIL - TO INTRODUCE AN UPGRADED OIL PRESSURE PUMP

## 1. Planning Information

### A. Effectivity

#### (1) Aircraft:

(a) Airbus A320

#### (2) Engine:

(b) V2500-A1 Engines prior to serial No. V0362

### B. Concurrent Requirements

None

### C. Reason

#### (1) Problem

HP rotor rub out problems were associated with poor oil pressure pump performance.

#### (2) Background

The condition was observed in service.

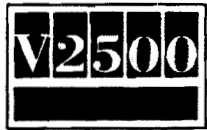
#### (3) Substantiation

An A5 std 3 oil pressure pump has been upgraded to A1 configuration. The new pump has successfully performed a pass-off and has been installed in an development engine that run 601 hours and 1032 endurance cycles. An inspection on the disassembled pump shown all parts in good condition.

The cycles and the loads that was applied to the gearbox are significative to demonstrate that the pump is suitable to get into service.

#### (4) Objective

To ensure an adequate oil pump flow



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## (5) Effects of Bulletin on:

### (a) Operation

Not affected

### (b) Maintenance

Not affected

### (c) Overhaul

Not affected

### (d) Repair Schemes

Affected

### (e) Interchangeability

Not Affected

### (f) Fits and clearances

Not Affected

## D. Description

This Service Bulletin introduces an upgraded oil pressure pump. A retrofit kit will be provisioned to retrofit, under guidance of IAE product Support, all pre and post V2500-ENG-79-0006 pumps as well as other elements of the engine oil system.

## E. Compliance

Category Code 4

Accomplish at the first visit of an engine or module to a maintenance base capable of compliance with the accomplishment instructions regardless of the planned maintenance action or the reason for engine removal.

## F. Approval

The part number changes and/or modification are given in Section 2 and 3 of this Service Bulletin. They obey the applicable Federal



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Aviation Regulation and are FAA-APPROVED for the Engine Model listed.

#### G. Manpower

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

##### Venue

##### Estimated Man-hours

(1) In service:

(2) At overhaul

#### H. Material - Price and Availability

- (1) a. The Oil Pressure Pump and Filter Assembly (4A7115) is available to all V2500-A1 customers at a reduced cost. To obtain discounted Oil Pressure Pumps (4A7115), customers must submit a Purchase Order quoting IAE Tracking No S361UI and associated engine Serial Numbers. Purchase orders are to be forwarded to the following address:

IAE Spares  
400 Main Street  
MS 121-10  
East Hartford  
CT 06108  
USA

- b. The Units, subject to availability will be despatched within thirty days after the PO(s) have been received.

- c. The Units will be available at discounted price from June 1999 to December 2001.

- d. Airliner Customers must be named on the discounted purchase orders that are submitted on their behalf by maintenance centers.

- (2) See "Material information" section for prices and availability of future spares.

#### I. Tooling - Price and Availability

Special tools are not necessary



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## J. Weight and Balance

### (1) Weight change

None

### (2) Moment arm

Not effect

### (3) Datum

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

## K. Electrical Load Data

The aircraft electrical load is not affected by this Service Bulletin.

## L. References

- (1) Service Bulletins V2500 ENG 79-0006 and ENG 79-0070
- (2) A320 Aircraft Maintenance Manual Chapter/Section 79-21-41 Removal/Installation.
- (3) Aircraft Modification No. 28491

## M. Other Publications Affected

- (1) The V2500 Engine Illustrated Parts Catalog, (S-V2500-1IA) Chapter/Section 79-21-41 will be changed to add new parts
- (2) The V2500 Power Plant Illustrated Parts Catalog, (PIPC - V2500-1IA) Chapter/Section 79-21-41 will be changed to add new part.
- (3) The V2500 Component Maintenance Manual (CMM-MECH-V2500-1IA) Chapter/Section 79-21-41 Cleaning will be revised to include the new part numbers, Inspection/Check, Repair and Testing will be revised to add part numbers and new values.

2. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

## A. Kits associated with this Bulletin

None

## B. Parts affected by this Bulletin

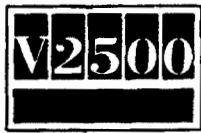
New Part No. (ATA No.)	Qty	Est'd Unit Price(\$)	Keyword	Old Part No. (IPC No.)	Instruction Disposition
4A7115 (79-21-41)	1	-	Pump & Filter, Assy Oil Press	4A7077 (01-001)	(A) (B) (S1)
4B7307 (79-21-41)	1	-	.Gear, A/O Drive	4B7234 (01-200)	- (A) (S2)
4P7308 (79-21-41)	1	-	.Gear, Driven	4P7235 (01-230)	- (A) (S2)
4A7304 (79-21-41)	1	-	.Casing, Assy Oil Pump Filter	4A7089 (01-750)	- (A) (S2)

NOTE: The unit prices, if shown, are an estimate and they are given for the purposes of planning only. For information about actual prices, refer to the IAE Price Catalogue or contact IAE's spare parts sales department.

## C. Instructions/Disposition Code Statements:

- (A) Part is available for sale.
- (B) Old part is no longer available.
- (S1) Old and new parts coded (S1) are not interchangeable but the new part may be fitted in lieu of replaced part and not viceversa
- (S2) New parts coded (S2) must be fitted as a set. Mixing of old and new parts is not permissible.





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## 3. Accomplishment Instructions

### A. Rework Instructions

- (1) There are no rework instructions for this service bulletin.

### B. Assembly Instructions.

- (1) Remove the oil pressure pump. Use the approved procedure in References (2).
- (2) Install the oil pressure pump. Use the approved procedure in References (2).

### C. Recording Instructions.

- D. A Record of accomplishment is necessary.

