



International Aero Engines SERVICE BULLETIN

Date: Apr. 28/00

Subject: Transmittal of Revision 1 to Service Bulletin
No. V2500-ENG-79-0073

Service Bulletin Revision History:

Event	Date
Basic Issue	Apr. 02/99
Revision 1	Apr. 28/00

Reason for Issuance of Revision:

To revise concurrent requirement stated in paragraph 1.B.

Effect on Past Compliance:

None

List of Effective Pages:

Bulletin Page No.	Rev. No.	Effective Date
R 1 and 2	1	Apr. 28/00
3 to 10	Basic	Apr. 02/99

V2500-ENG-79-0073

Transmittal
Page 1 of 1



International Aero Engines SERVICE BULLETIN

ENGINE - OIL - INTRODUCTION OF OIL RESTRICTOR OF FBC OIL LINE
WITH REVISED THROAT SIZE

MODEL APPLICATION

V2500-A1

BULLETIN INDEX LOCATOR

72-32-00

Compliance Category Code

5

Internal Reference No.

EC98VJ023

Apr.02/99

R Revision 1 Apr.28/00

V2500-ENG-79-0073

Page 1 of 10



International Aero Engines SERVICE BULLETIN

ENGINE - OIL - INTRODUCTION OF OIL RESTRICTOR OF FBC OIL LINE WITH REVISED THROAT SIZE

1. Planning Information

A. Effectivity

(1) Aircraft

Airbus A320

(2) Engine

V2500-A1 Engines prior to Serial Number V0362

B. Concurrent Requirements

R This service bulletin must be incorporated after, or in conjunction
R with the IAE service bulletin No.V2500-ENG-79-0070.

C. Reason

(1) Condition

One of the causes of the HP Compressor shaft bowing on A1 engines is low oil pressure.

An engineering review has shown that the oil pressure to the bearing compartment in the A1 engine can be increased to equal that of the A5 engine.

(2) Background

(Refer to (1) Condition).

(3) Objective

The purpose of this Service Bulletin is to maintain reliability.

(4) Substantiation

A satisfactory engineering analysis has been done on the changes introduced by this Service Bulletin. In addition, successful in-service experience has been achieved with identical changes on the A5.

Apr.02/99

Revision 1 Apr.28/00

V2500-ENG-79-0073

Page 2



International Aero Engines SERVICE BULLETIN

(5) Effects of Bulletin on workshop procedure:

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 by this Service Bulletin are follows:

(a) The throat diameter of oil restrictor which is installed in the main oil distributor have changed from 0.141 inch (3,58 mm) to 0.139 inch (3,54 mm).

(b) The oil restrictor for A5 model is introduced for A1 model.

E. Approval

The part number changes and/or part modifications 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

Category Code 5

Accomplish when the engine is disassembled sufficiently to get access to all the affected sub-assemblies. (This is modules accessories, components, build groups).

G. Manpower

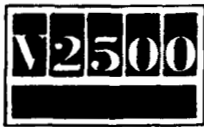
Estimated Man-hours to incorporate the full intent of this Bulletin:

<u>Venue</u>	<u>Estimated Man-hours</u>
(1) In service	Not applicable
(2) At overhaul	8 Hours 7 Minutes
<u>Total 8 Hours 7 Minutes</u>	

Apr.2/99

V2500-ENG-79-0073

Page 3



International Aero Engines SERVICE BULLETIN

H. Material - Price and Availability

- (1) Modification kit is not required.
- (2) Part details required to accomplish this modification are listed in the "Material Information" section and are available FOC for engines identified in this Service Bulletin that are subject to Compliance Category Code No.5. Following confirmation of parts availability from IAE Spares, customers should submit a FOC Purchase Order for the required quantity, stating affected Engine Serial Numbers and the IAE Tracking No.S 462 UI on all correspondence.

Purchase Orders should be forwarded to-

IAE Spares Division
400 Main Street M/S121-10
East Hartford CT 06108
USA

30 day lead time can be expected for all purchase orders.

The availability of FOC parts will be from 1 February to 31 December 2000.

I. Tooling - Price and Availability

Special tools are not required to accomplish this Service Bulletin.

J. Weight and Balance

- | | | | |
|-------------------|----|----|--|
| (1) Weight change | .. | .. | None |
| (2) Moment arm | .. | .. | Not affected |
| (3) Datum | .. | .. | Engine front mount centerline
(Power Plant Station (PPS) 100) |

K. Electrical Load Data

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

L. References

- (1) V2500 Engine Illustrated Parts Catalog (S-V2500-1IA), Chapter/Section 72-32-36.
- (2) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-32-00, Asassembly-04.

Apr.2/99

V2500-ENG-79-0073

Page 4



International Aero Engines SERVICE BULLETIN

- (3) Service Bulletin V2500-ENG-79-0070 OIL-PRESSURE OIL TUBES - ENGINE - INTRODUCTION OF REVISED OIL FEED SYSTEM RESTRICTORS.
- (4) Service Bulletin V2500-ENG-79-0071 INTRODUCTION OF A NEW OIL PUMP WITH INCREASED PRESSURE AND FLOW .

M. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalog (S-V2500-1IA), Chapter/Section 72-32-36.

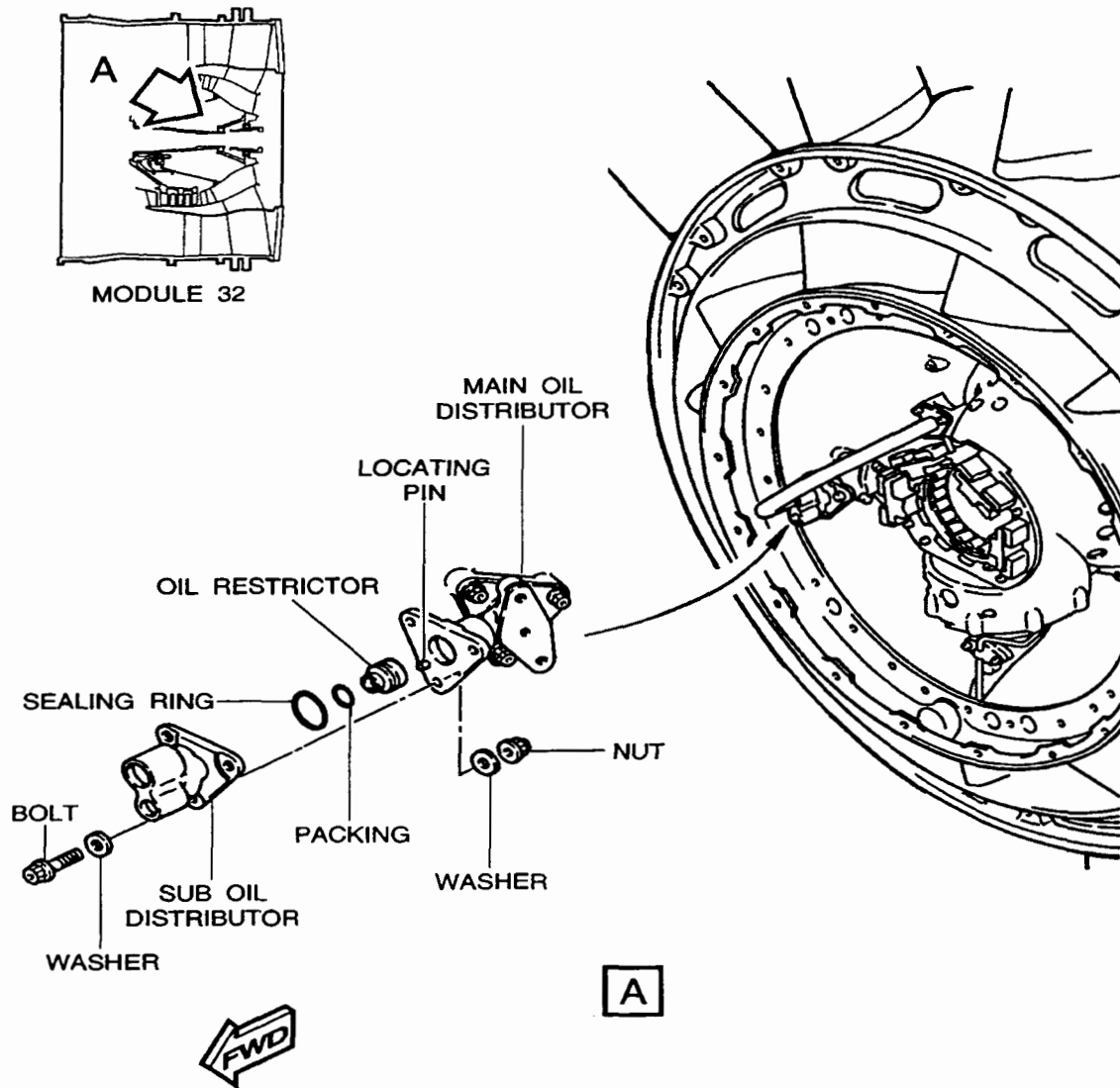
Apr. 2/99

V2500-ENG-79-0073

Page 5



International Aero Engines SERVICE BULLETIN



Location of the oil restrictor
Figure 1

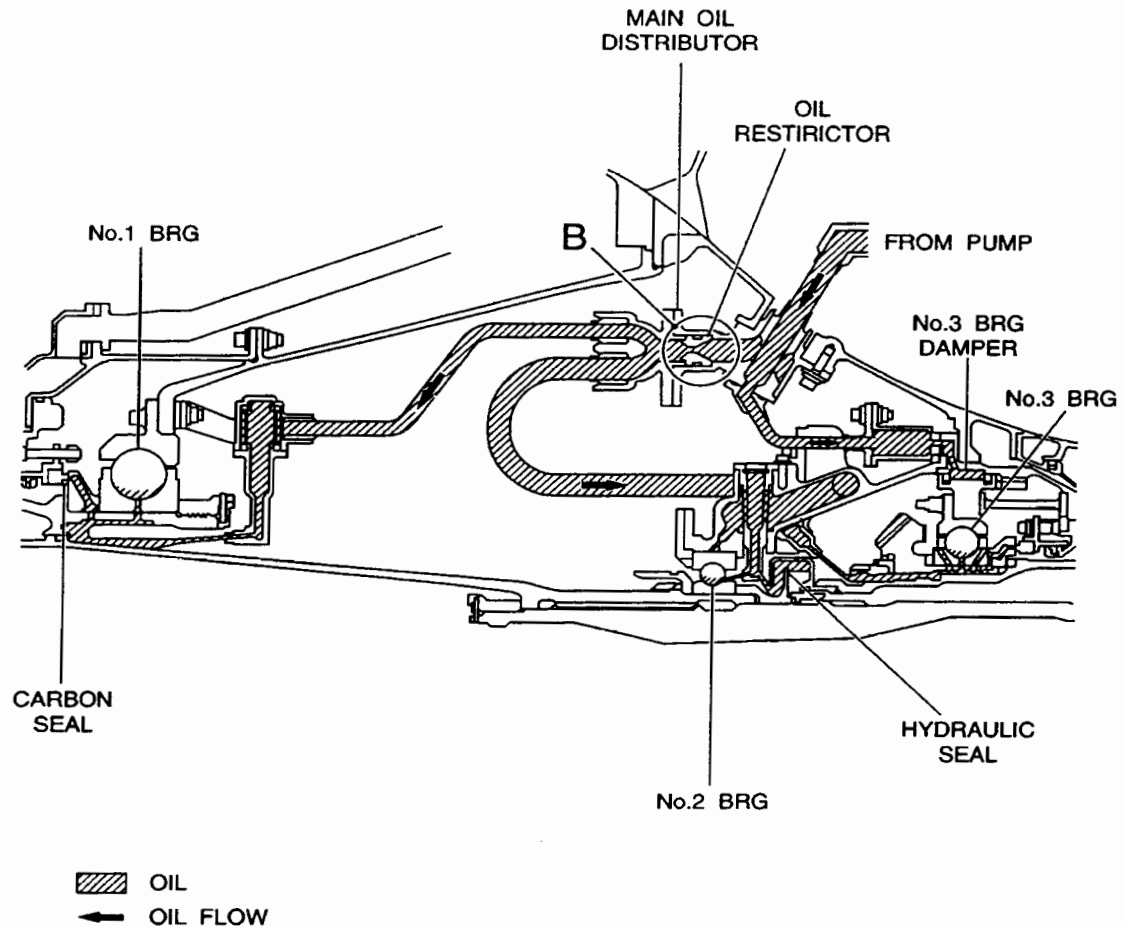
Apr. 2/99

V2500-ENG-79-0073

Page 6



International Aero Engines SERVICE BULLETIN



Oil system of the oil restrictor vicinity
Figure 2

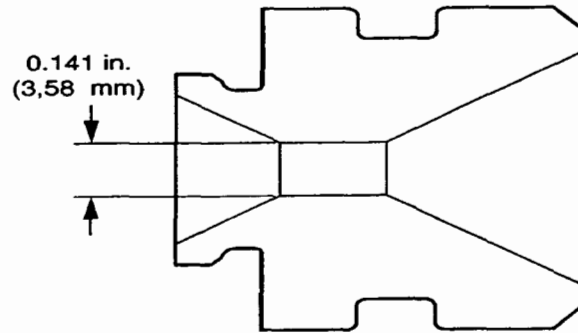
Apr. 2/99

V2500-ENG-79-0073

Page 7

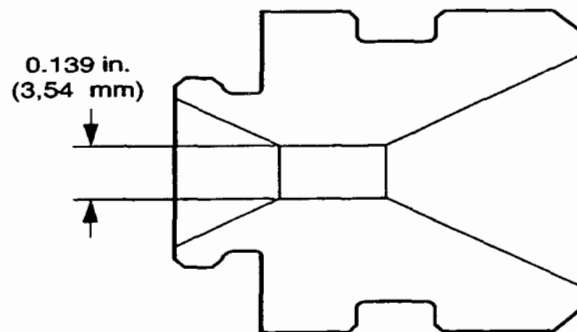


International Aero Engines SERVICE BULLETIN



BEFORE ALTERATION

B



AFTER ALTERATION

B

jax0800010

Modification of the oil restrictor
Figure 3

Apr. 2/99

V2500-ENG-79-0073

Page 8



International Aero Engines SERVICE BULLETIN

2. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

- (1) Remove the oil restrictor, (5A0261, 1 off) from the main oil distributor. For the correct procedures, refer to the Engine Manual (EM), Chapter/Section, 72-32-00, Disassembly-12).
- (2) Install the new oil restrictor, (5A1451, 1 off) into the main oil distributor. For the correct procedures, refer to the Engine Manual (EM), Chapter/Section, 72-32-00, Assembly-04).

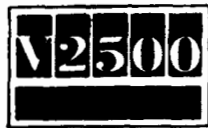
C. Recording Instructions

A record of accomplishment is necessary.

Apr. 2/99

V2500-ENG-79-0073

Page 9



International Aero Engines SERVICE BULLETIN

3. Material Information

Applicability: For each V2500 engine to incorporate this Service Bulletin.

A. Kits necessary for this Service Bulletin:

None.

B. Parts affected by this Service Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instr. Disp.
5A1451 (72-32-36)	1	81.90	.Restrctr,Oil	5A0261 (01-500)	(A) (B) (S1)

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 Catalog or contact IAE's Spare Parts Sales Department.

C. Instruction/Disposition Code Statements:

- (A) New part is available.
- (B) Old part will no longer be available.
- (S1) Old and new parts are not freely and fully interchangeable but new part can be fitted to engines that have incorporated or are incorporating Service Bulletin No. V2500-ENG-79-0070.

Apr. 2/99

V2500-ENG-79-0073

Page 10