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**V2500-A5/D5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN**

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-72-0442 and the Initial Issue of the Supplement

**Bulletin Initial Issue**

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**Supplement Initial Issue**

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LIST OF EFFECTIVE PAGES

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ENGINE - LP COMPRESSOR - DELETION OF FLUOROSILICONE SEALS FROM THE NO.1 BEARING  
SCAVENGE OIL TUBE

1. Planning Information

A. Effectivity

- (1) Airbus A319
  - (a) V2522-A5, V2524-A5 Engines before Serial No. V11450
- (2) Airbus A319CJ
  - (a) V2527M-A5 Engines before Serial No. V11450.
- (3) Airbus A320
  - (a) V2527-A5, V2527E-A5 Engines before Serial No. V11450.
- (4) Airbus A321
  - (a) V2530-A5, V2533-A5 Engines before Serial No. V11450.
- (5) Boeing MD-90.
  - (a) V2525-D5, V2528-D5 Engines before Serial No. V20286.

B. Concurrent Requirements

None

C. Reason

(1) Problem

Engine durability is being limited by fluorosilicone type seals distress caused by 3rd generation high thermal stability engine oils, leading to seal deterioration and potential oil leakage. This distress is responsible for a few premature shop visit, and many more engines currently are on a reduce oil leak check interval.

(2) Evidence

The problem has been found on in-service engines.

(3) Objective

The purpose of this Service Bulletin is to improve durability.



(4) Substantiation

A satisfactory engineering analysis has been carried out on the changes introduced by this Service Bulletin.

(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

None

D. Description

Cancel the alternative seal rings used in the No.1 bearing scavenge oil tube.

E. Compliance

Category Code 6.

Accomplish when the sub-assembly (i.e. modules, accessories, components, components build groups) is disassembled sufficiently to afford access to the affected spare parts.



F. Approval

The part number changes and/or part modification are given in Section 2 and 3 of this Service Bulletin. They comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine models listed.

G. Manpower

Estimate of manhours necessary to embody this Service Bulletin in full:

(1) In Service

Not applicable.

(2) At Overhaul

No additional time is necessary to embody this modification.

NOTE: It is possible to get access to the parts affected by this Service Bulletin at overhaul.

H. Weight and Balance

(1) Weight Change

None

(2) Moment Arm

No effect

(3) Datum

Engine front mount centreline (Power Plant Station (PPS) 100).

I. Tooling Price and Availability

Special tools are not required.

J. Electrical Load Data

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

K. Software Accomplishment Summary

Not applicable.



L. References

- (1) Engine Manual, 72-32-00, Disassembly/Assembly.
- (2) Internal Reference No. 02VJ019.
- (3) ATA Locator - 72-32-00.

M. Other Publications Affected

- (1) Illustrated Parts Catalogue (IPC), 2IA, 2IB, 3IA, 3IB, 5IA, 5IB, 6IA, 6IB, 7IA, 7IB, Chapter/Section 72-32-00, will be revised.
- (2) A5 and D5 Engine Manual (EM), Chapter/Section 72-32-00, Disassembly/Assembly.

N. Interchangeability of Parts

Old and new parts are directly interchangeable.



## 2. Material Information

### A. Parts affected by this Service Bulletin:

Applicability: For each V2500 engines to incorporate this Bulletin:

#### A5 Models

72-32-00

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-865	AS43013-119	1	.Ring, Sealing toroidal	-	AS43013-119(A)	
	REF.		.Ring, Sealing toroidal	-	MS9967-119 (B)	
01-870	AS43013-212	1	.Ring, Sealing toroidal	-	AS43013-212(A)	
	REF.		.Ring, Sealing toroidal	-	MS9967-212 (B)	

#### D5 Models

72-32-00

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01-865	AS43013-119	1	.Ring, Sealing toroidal	-	AS43013-119(A)	
	REF.		.Ring, Sealing toroidal	-	MS9967-119 (B)	
01-870	AS43013-212	1	.Ring, Sealing toroidal	-	AS43013-212(A)	
	REF.		.Ring, Sealing toroidal	-	MS9967-212 (B)	

### B. Instruction Disposition Codes:

(A) New part is currently available.

(B) Old part will be discontinued.

### C. Tooling - Price and Availability

Refer to the Special tools given in the referenced Engine Manual TASK to accomplish this Service Bulletin. See Section 3. Accomplishment Instructions.



**3. Accomplishment Instructions**

None





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SUPPLEMENT - PRICES AND AVAILABILITY

The prices if shown are for estimating purposes only and as such are given in good faith, without commercial liability for advanced planning purposes only. Refer to IAE Spares and/or current price catalogue for current prices.

1. Modification Kit

Not applicable. Parts supplied as single line items

2. New Production Parts

Part No.	Desc.	Unit Price US Dollars
AS43013-119	Ring, sealing	5.30
AS43013-212	Ring, sealing	6.60

