



400 MAIN STREET, MAIL STOP 121-10  
EAST HARTFORD, CT 06108, USA.  
TELEPHONE:- 860 565 5515  
FAX:- 860 565 0600

DATE: Jan.30/04

P.O. BOX 31, DERBY  
TELEGRAMS - 'ROYCAR' DERBY  
TELEX - 37645  
TELEPHONE:- 44 (0) 1332 242424  
FAX:- 44 (0) 1332 249936

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

Printed in Great Britain

This document transmits Revision 2 to Service Bulletin EV2500-70-0830

### Document History

Service Bulletin Revision Status	Supplement Revision Status
Initial Issue	Aug.1/03
Revision 1	Nov.28/03

### Bulletin Revision 2

Remove	Incorporate	Reason for change
All pages of the Service Bulletin	Pages 1 to 8 of the Service Bulletin	To revise effectivity

# V2500-ENG-70-0830

Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

If any have not been received please advise Publication Services, Rolls-Royce plc, Derby, England

© Rolls-Royce plc (date as above) Printed in Great Britain

# LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 2 are as follows:

<u>Page</u>		<u>Revision Number</u>	<u>Revision Date</u>
	Bulletin		
R	1	2	Jan.30/04
R	2	2	Jan.30/04
R	3	2	Jan.30/04
R	4	2	Jan.30/04
R	5	2	Jan.30/04
R	6	2	Jan.30/04
R	7	2	Jan.30/04
R	8	2	Jan.30/04

Printed in Great Britain



INFORMATION – ENGINE – REMOVE ONE OF THE SOURCES FOR THE NO. 3 BEARING

Printed in Great Britain

1. Planning Information

A. Effectivity Data

(1) Airbus A319

Engine Models Applicable

V2522-A5, V2524-A5, V2527M-A5 Engine Serial Nos. V10001 thru V11641 and V11645

(2) Airbus A320

Engine Models Applicable

V2527-A5, V2527E-A5, Engine Serial Nos. V10001 thru V11641 and V11645

(3) Airbus A321

Engine Models Applicable

V2530-A5, V2533-A5, Engine Serial Nos. V10001 thru V11641 and V11645

(4) Boeing MD-90

Engine Models Applicable

V2525-D5, V2528-D5, Engine Serial Nos. V20001 thru V20285

B. Concurrent Requirements

There are no concurrent requirements.

C. Reason

(1) Problem: Multiple Number 3 Bearing service events have occurred.

(2) Background: There are presently 2 sources for the Number 3 Bearing. All of the events have occurred from one source.

(3) Objective: Delete the source of the problem bearings from the Bill of Material.

(4) Substantiation: The remaining Bearing source has successfully completed numerous hours on production V2500 engines.

(5) Effects of Bulletin on:

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

Replace Bearing Option with Detail Bearing.

E. Compliance

Category 7

Accomplish when supply of superseded parts has been depleted.

F. Approval Data

The part number changes and/or part modifications specified in the Accomplishment Instructions and Material Information sections of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model(s) given.

The compliance statement and the procedures described in this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model listed.

G. Manpower

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

Venue	Estimated Manhours
In Service	Not Applicable
At Overhaul	Not Applicable

H. Weight and Balance

Weight Change	None
Moment	No Effect
Datum	Engine Front Mount Centerline (Power Plant Station (PPS) 100)

I. Electrical Load Data

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

J. Software Accomplishment Summary

Not Applicable.

K. References

1. V2500 Engine Illustrated Parts Catalogs (S-V2500-2IA, S-V2500-2IB, S-V2500-3IA, S-V2500-3IB, S-V2500-5IA, S-V2500-5IB, S-V2500-6IA, S-V2500-6IB, S-V2500-7IA, and S-V2500-7IB), Chapter/Section 72-32-24.
2. V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-32-24.
3. V2500 Engine Manual (E-V2500-3IA), Chapter/Section 72-32-24.
- R 4. Internal Reference No. - 03VA021, 03VA021-01, 03VA021-02.
5. ATA Locator - 72-32-24.

L. Other Publications Affected

1. V2500 Engine Illustrated Parts Catalogs (S-V2500-2IA, S-V2500-2IB, S-V2500-3IA, S-V2500-3IB, S-V2500-5IA, S-V2500-5IB, S-V2500-6IA, S-V2500-6IB, S-V2500-7IA, and S-V2500-7IB), Chapter/Section 72-32-24 Figure 01 Item 100 to add the new part.
2. V2500 Engine Manuals (E-V2500-1IA and E-V2500-3IA), Chapter/Section 72-32-24 Figure 01 Item 100 to add the new part. Cleaning, Inspection and Repair, to add the new part.

M. Interchangeability of Parts

Old and new parts are directly interchangeable.

N. Information in the Appendix

Alternate Accomplishment Instructions (No)



Progression Charts (No)

Added Data (No)

Revision to Table of Limits (No)

Inspection Procedures (No)

0. General Information

The Material Information section of this Service Bulletin provides the latest information concerning the availability of the affected parts.



## 2. Material Information

### A. Material – Price and Availability

1. The estimated price of new material to do this Service Bulletin using new replacement parts is \$23,290.00.
2. There is no kit provided to do this Service Bulletin.
3. Part availability information is provided in material data Instructions – Disposition.

### B. Industry Support Program

Not Applicable.

### C. The material data that follows is for each engine.

**NOTE:** The prices 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 Catalog for current prices.

For V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5, V2525-D5, V2528-D5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN (ATA/Figure/Item)	Inst/Disp
	1		.Bearing Option	2A1250 (72-32-24-01-100)	(N)(01)
2A1170	1	23,290.00	.Bearing – Ball, Annular	(72-32-24-01-100)	(2)(A) (I)

### D. Instructions/Disposition Code Statements:

#### Parts Modification Conditions

(2) The new part is a replacement part only, and cannot be obtained by modification of the old part.

#### Spare Parts Availability

(A) The new part is available.

(N) The old part is not available.

(01) Bearing Option, PN 2A1250, consists of a Bearing – Ball, Annular, PN 2A1165, or PN 2A1170.

#### Cleaning, Inspection and Repair Information



(I) The cleaning, inspection and repair requirements are the same for the old and new part. The applicable engine manuals will be revised.

E. Tooling – Price and Availability

Special tools are not required to accomplish this Service Bulletin.

F. Reidentified Parts

Not Applicable.

G. Other Material Information Data

Not Applicable.





3. Accomplishment Instructions

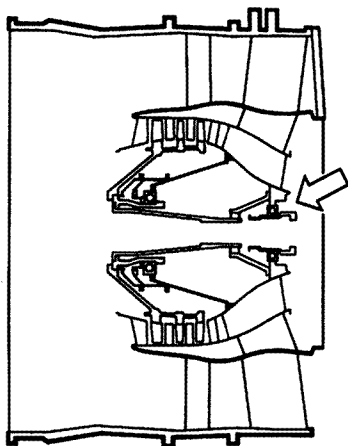
None.

(1) None.

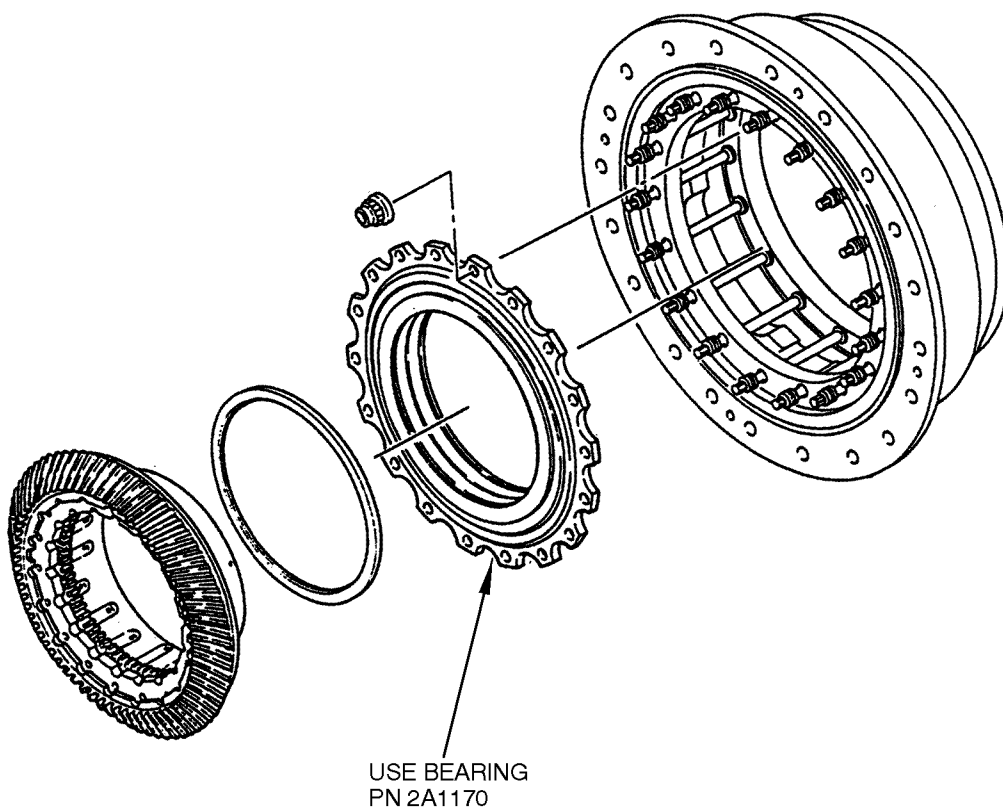
(2) Recording Instructions

(a) None.

Printed in Great Britain



MODULE 32



ENGINE - NO.3 BEARING  
Figure 1

pw0b512895