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V2500-A1/A5 SERIES PROPULSION SYSTEMS NON-MODIFICATION SERVICE BULLETIN

Printed in Great Britain

This document transmits Revision 1 to Service Bulletin EV2500-72-0543 and Revision 1 to the Supplement

Document History

Service Bulletin Revision Status
Initial Issue May 14/07

Supplement Revision Status
Initial Issue May 14/07

Bulletin Revision 1

Remove	Incorporate	Reason for change
All pages of the	Pages 1 to 8 of the	to correct the PN in title
Service Bulletin	Service Bulletin	
All pages of	Page 1 of Appendix 1	to correct the PN in title
Appendix 1		

Supplement Revision 1

Remove	Incorporate	Reason for change
All pages	Page 1	to correct the PN in title

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CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

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

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 1 to the Bulletin and Revision 1 to the Supplement are as follows:

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R ENGINE – REPLACEMENT OF PN 2A2493-01 NUMBER 4 BEARING COMPARTMENT OIL PRESSURE TUBES
– NON-MODIFICATION SERVICE BULLETIN

1. Planning Information

A. Effectivity

(1) For Airbus A319

(a) V2524-A5

Engine Serial No. V10955

(2) For Airbus A320

(a) V2500-A1

Engine Serial No. V0090

Engine Serial No. V0159

(b) V2527-A5

Engine Serial No. V10140

Engine Serial No. V10405

Engine Serial No. V10492

Engine Serial No. V11043

(3) For Airbus A321

(a) V2530-A5

Engine Serial No. V10175

B. Concurrent Requirements

There are no concurrent requirements.

C. Reason

(1) Problem:

The affected population of PN 2A2493-01 Number 4 Bearing Oil Pressure Tube did not receive a required x-ray inspection following a repair.

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Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

(2) Background:

A repair for PN 2A2493-01 tubes was introduced by a non-IAE third party vendor that included an x-ray inspection of a weld that is created as part of the repair.

This x-ray inspection was missed on twelve tubes. Three have already been removed from service.

(3) Objective:

Remove the nine remaining tubes from service.

A fleet analysis of the nine tubes has demonstrated that the tubes can remain in service until the next scheduled shop visit.

(4) 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.

(5) Supplemental Information

None.

D. Description

This Service Bulletin is issued to provide fleet management instructions for affected engines as described in All Operators Wire 1076. This Service Bulletin recommends to remove a certain population of part number 2A2493-01 Number 4 Bearing Oil Pressure Tube.

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 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

- (1) In Service

Not Applicable.

- (2) At Overhaul

Not Applicable.

H. Weight and Balance

- (1) Weight Change

None.

- (2) Moment Arm

No Effect.

- (3) 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) All Operators Wire No. 1076 Issue 1 Dated 3 October 2006.

- (2) V2500 Engine Illustrated Parts Catalogs (S-V2500-1IA, S-V2500-2IA, S-V2500-2IB, S-V2500-5IA, S-V2500-5IB, S-V2500-6IA, S-V2500-6IB, S-V2500-7IA and S-V2500-7IB), Chapter/Section 72-42-20.



- (3) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-42-20.
- (4) Internal Reference No. - 07VC003.
- (5) ATA Locator - 72-42-20.

L. Interchangeability of Parts

Old and new parts are directly interchangeable.

M. Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Added Data (No)

Revision to Table of Limits (No)

Inspection Procedures (No)

2. Material Information

A. Material – Price and Availability

Modification kit is not required.

For Price and availability of spares refer to the supplement of this Service Bulletin.

B. Industry Support Program

Not Applicable.

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

72-42-20

For V2500-A1, V2524-A5, V2527-A5, V2530-A5 Engines:

FIG- ITEM NUMBER	NEW PART NUMBER	QTY	PART TITLE	MAT	OLD PN	INSTR – DISP
01-060	2A2493-01	1	No. 4 Bearing Pressure Tube Assembly	-	2A2493-01	(3) (A) (I)

D. Instructions/Disposition Code Statements:

Parts Modification Conditions

(3) Old parts and new parts are freely and fully interchangeable, both physically and functionally.

Spare Parts Availability

(A) The new part is available.

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

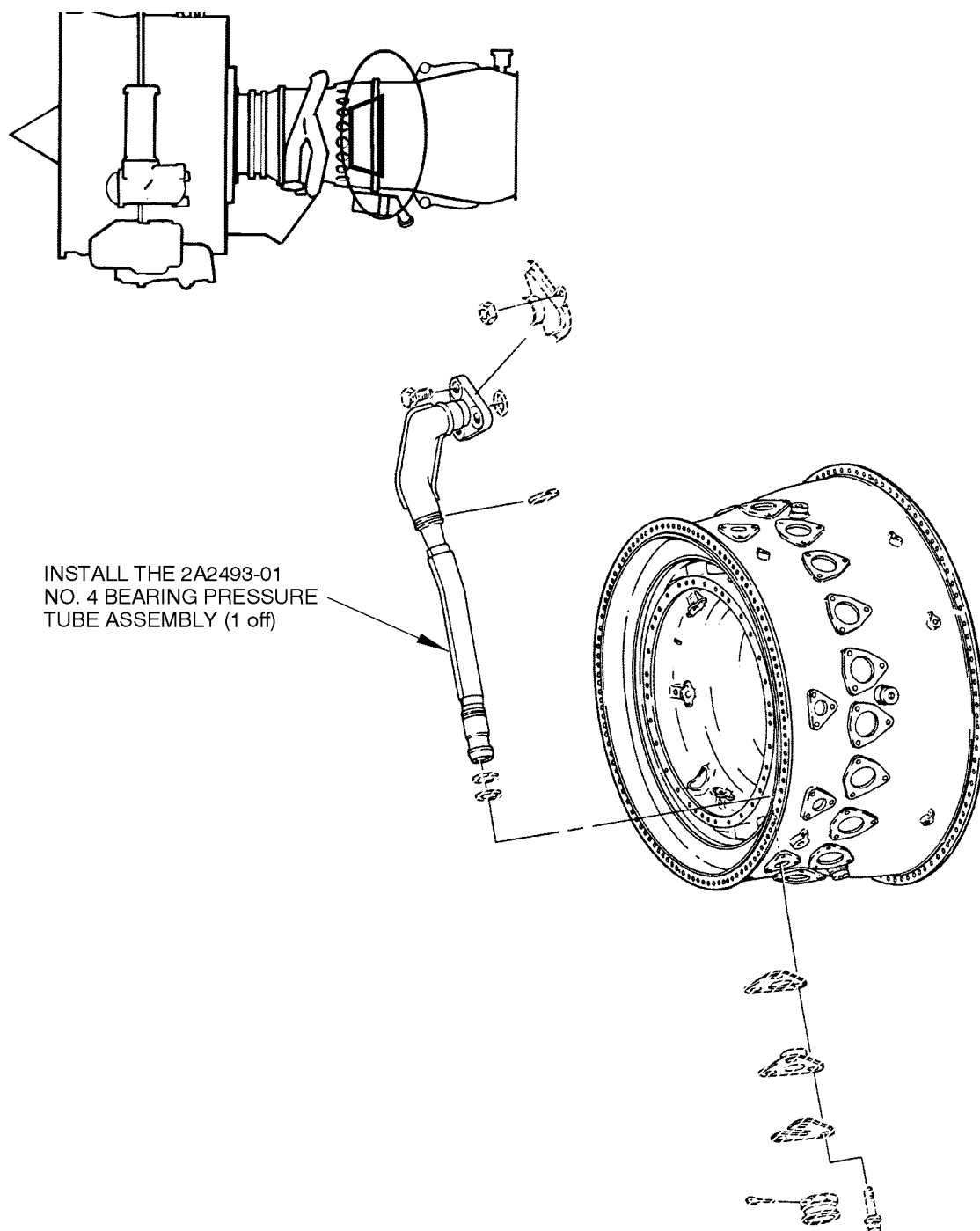
Not Applicable.

G. Other Material Information Data

Appendix 1 Table 1 Lists the affected population of part number 2A2493-01 No. 4 Bearing Oil Pressure Tube. This part is not serialized, but can be identified by a third-party vendor purchase order number. This purchase order number is provided in Appendix 1 Table 1 to assist operators in identifying affected tubes.

3. Accomplishment Instructions

- (1) Disassemble the engine sufficiently to remove the No. 4 Bearing Oil Pressure Tube. Refer to Engine Manual Section 72-42-00, Disassembly.
- (2) Replace PN 2A2493-01 No. 4 Bearing Oil Pressure Tube with a new PN 2A2493-01 No. 4 Bearing Oil Pressure Tube. Refer to Figure 1
- (3) Assemble the engine per the Engine Manual Reference 3, Chapter Section 72-42-00, Assembly.
- (4) Recording Instructions
 - (a) A record of accomplishment is required.



LOCATION OF THE NO. 4 BEARING PRESSURE TUBE ASSEMBLY
Figure 1

APPENDIX 1

TABLE 1: LIST OF AFFECTED ENGINES

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R	Engine Serial Number	Tube Part Number	Tube Vendor Purchase Order No.	Tube Delivery Date From Vendor
	V0090	2A2493-01	60-665030 IT001	28 October 2005
	V0159	2A2493-01	4330161299	9 March 2004
	V10140	2A2493-01	4330350757	11 January 2005
	V10175	2A2493-01	60-632754 IT01	09 March 2004
	V10405	2A2493-01	61-507854 IT001	28 December 2005
	V10492	2A2493-01	60-635991 IT01	10 June 2005
	V10955	2A2493-01	4330159485	08 March 2004
	V11043	2A2493-01	4330161959	24 March 2004
	**	2A2493-01	DVBR33575	08 August 2003
	** The end location of this tube has not been identified. IAE is working with the affected operator to identify the tube location.			

ENGINE – REPLACEMENT OF PN 2A2493-01 NUMBER 4 BEARING COMPARTMENT OIL PRESSURE TUBES
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Supplement

V2500 ALL

1. Modification Kit

A. There is no kit provided to do this Service Bulletin.

2. Material Cost

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.

A. The estimated price of new material to do this Service Bulletin using new replacement parts is \$7,170.00.

B. There is no kit provided to do this Service Bulletin.

3. New Production Parts

New Production Part Number	Description	Unit Price US Dollars
2A2493-01	No. 4 Bearing Oil Pressure Tube	\$7,170.00