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V2500-A1 SERIES PROPULSION SYSTEM SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin V2500-ENG-72-0570

Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 9 of the Service Bulletin	Initial Issue.
	Page 1 of the Supplement (Prices and Added Data)	Initial Issue.

V2500-ENG-72-0570

Transmittal - Page 1 of 1

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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INFORMATION – ENGINE – PROVIDE NEW NO. 5 REAR BEARING HEAT SHIELD PART NUMBERS1. Planning InformationA. Effectivity

(1) Airbus A320

(a) V2500-A1 Engines from Serial No. V0001 thru V0361.

B. Concurrent Requirements

There are no concurrent requirements.

C. Reason

(1) Problem:

Fiat/Avio part numbering is not compatible with Pratt & Whitney downstream systems.

(2) Background:

Pratt & Whitney is now responsible for the manufacturing and design of several Fiat/Avio heat shields.

(3) Objective:

Replace the Fiat/Avio part numbering with Pratt & Whitney compatible part numbering.

(4) Substantiation:

The new parts are physically identical to the downchange parts with new part numbers to rectify the numbering of assemblies.

(5) Effects of Bulletin on:

(a) Removal/Installation:

Not affected.

(b) Disassembly/Assembly:

Not affected.

(c) Cleaning:

Not affected.

(d) Inspection/Check:

Not affected.

(e) Repair:

Not affected.

(f) Testing:

Not affected.

(6) Supplemental Information

None.

D. Description

New Pratt & Whitney part numbers are being assigned to existing parts for compatibility.

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Accomplish when supply of superseded parts has been depleted.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.

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) V2500 Engine Illustrated Parts Catalogs (S-V2500-1IA), Chapter/Section 72-50-53 and 72-58-01.
- (2) V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-58-01.
- (3) V2500 Standard Practices/Processes Manual (E-V2500-1IA).
- (4) Internal Reference No. - 05VA064A.
- (5) ATA Locator - 72-50-00.

L. Other Publications Affected

- (1) V2500 Engine Illustrated Parts Catalogs (S-V2500-1IA), Chapter/Section 72-58-01.
- (2) V2500 Engine Manuals (E-V2500-1IA), Chapter/Section 72-58-01 Cleaning, Inspection and Repair, to add the new part.

M. Interchangeability of Parts

Old and new parts are fully interchangeable.

N. Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Revision to Table of Limits (No)

Inspection Procedures (No)

Supplement (Yes)

Added Data (Yes)

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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.

For V2500-A1 Engines:

FIG- ITEM NUMBER	NEW PART NUMBER	QTY	PART TITLE	MAT	OLD PN	INSTR – DISP
72-58-01						
01-100	2A4227-01	1	Heat Shield Assy, No. 5 Rear Bearing	-	4T8030	(2)(A)(C) (I)(S1)
72-50-53						
01-372	2A4226-01	1	Heat Shield, Lower	-	4T8046	(2)(B)(C) (I)(S1)
01-382	2A4228-01	1	Heat Shield, Upper	-	4T8047	(2)(B)(C) (I)(S1)

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 will be available approximately March 2009.
- (B) The new part will be available approximately May 2010.
- (C) The old part will be supplied until stock is exhausted.

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.

Interchangeability of Parts

(S1) Old and new parts are fully interchangeable.

E. Tooling – Price and Availability

Special tools are not required to accomplish this Service Bulletin.

F. Reidentified Parts

Not Applicable.

Reidentified Parts Data		
New PN	Keyword	Old PN
2A4226-01	No. 5 Rear Bearing Lower Heat Shield	4T8046
2A4228-01	No. 5 Rear Bearing Upper Heat Shield	4T8047
2A4227-01	No. 5 Rear Bearing Heat Shield Assy	4T8030

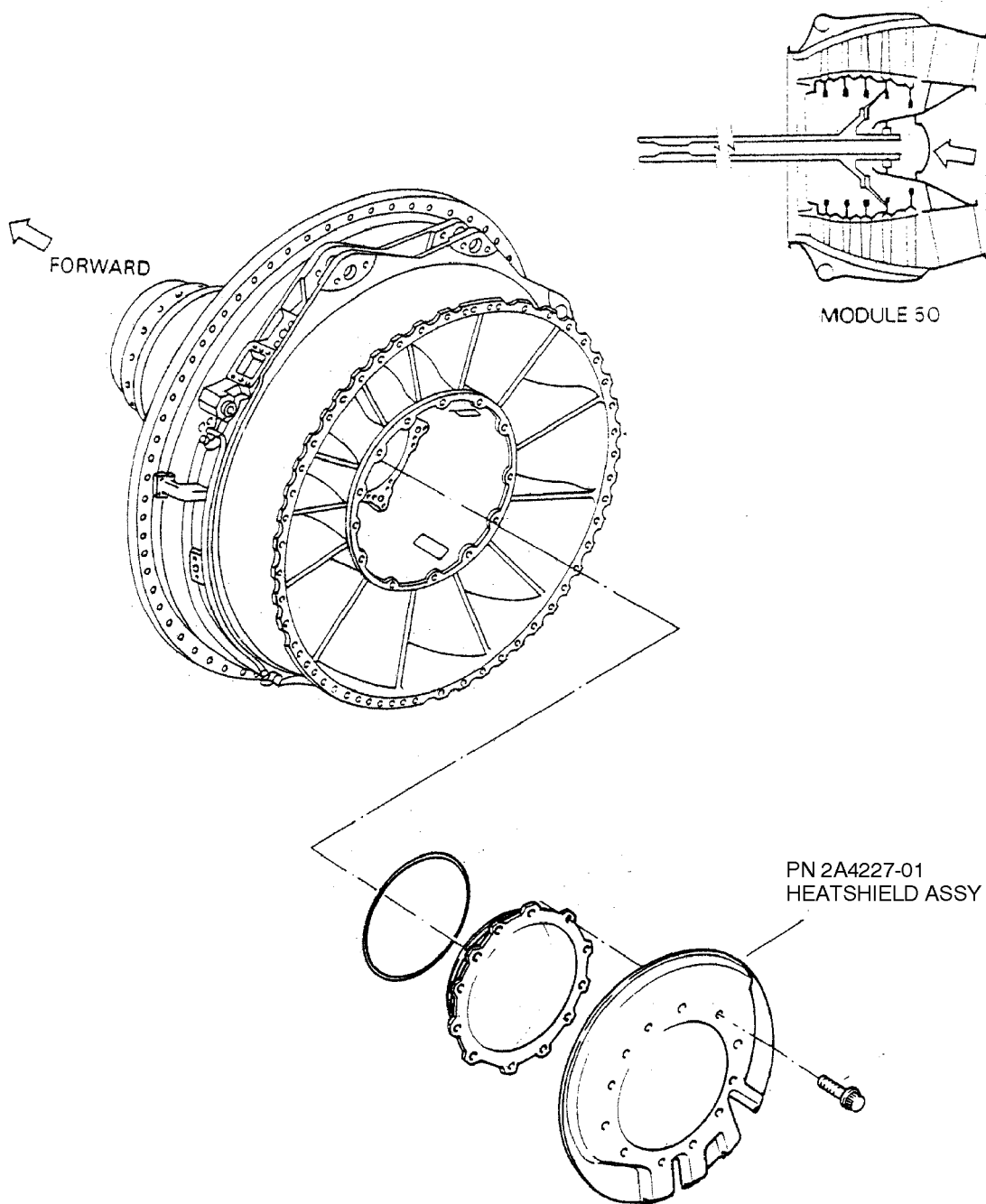
G. Other Material Information Data

Not Applicable.

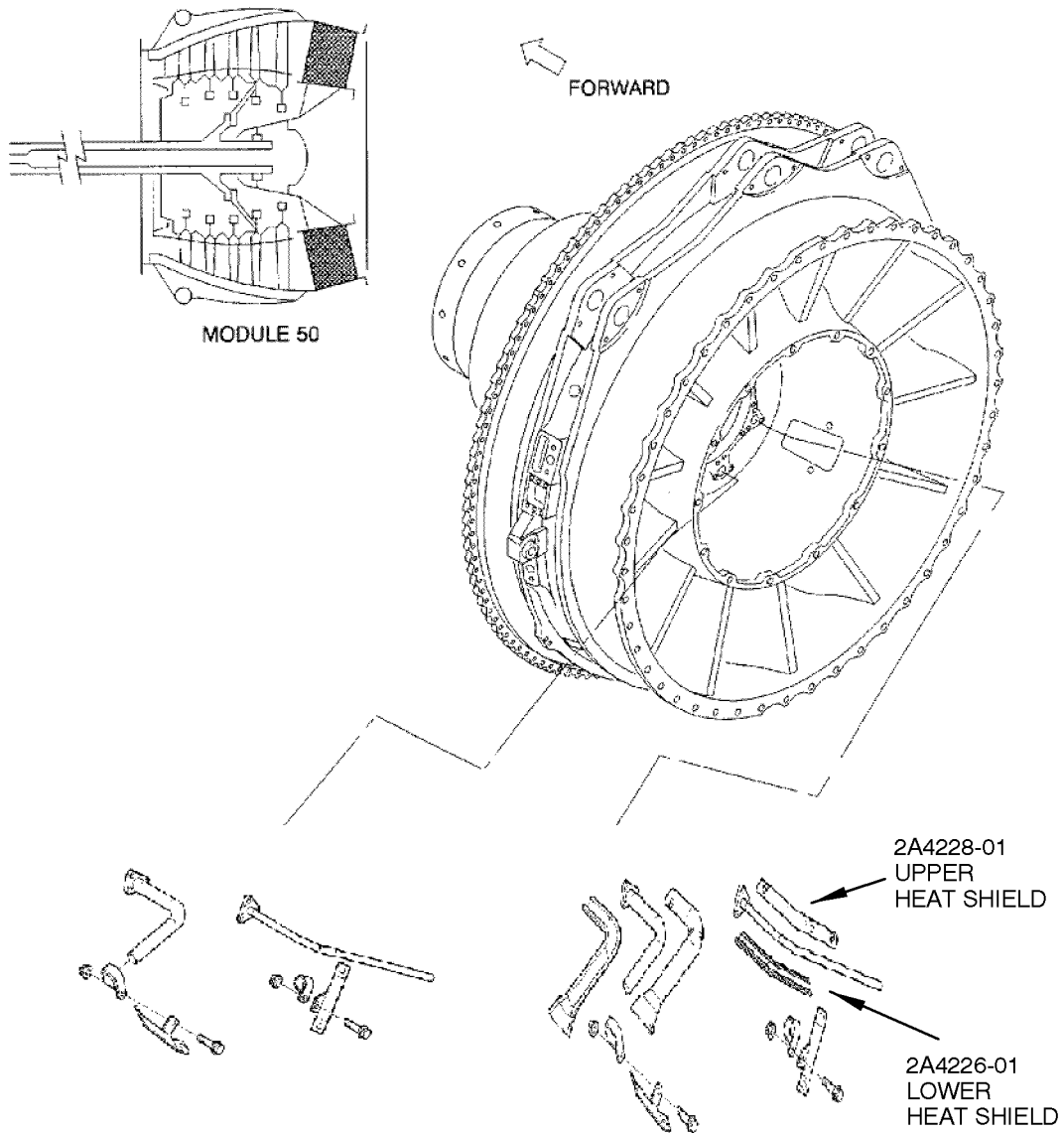
3. Accomplishment Instructions

None.

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LOCATION OF NO. 5 REAR BEARING HEAT SHIELD ASSEMBLY
FIGURE 1



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LOCATION OF NO. 5 REAR BEARING HEAT SHIELDS
FIGURE 2

INFORMATION – ENGINE – PROVIDE NEW NO. 5 REAR BEARING HEAT SHIELD PART NUMBERS

Supplement

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 USD 8,016.00.

3. New Production Parts

New Production Part Number	Description	Unit Price US Dollars
2A4227-01	No. 5 Rear Bearing Heat Shield Assy	4,012.00
2A4226-01	No. 5 Rear Bearing Lower Heat Shield	2,002.00
2A4228-01	No. 5 Rear Bearing Upper Heat Shield	2,002.00

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC 05VA064A	WC/TR