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V2500-A1/A5/D5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

Printed in Great Britain

This document transmits the Revision 1 of Service Bulletin V2500-ENG-70-0942 and the Revision 1 of the Supplement.

Document History

Service Bulletin Revision Status		Supplement Revision Status	
Initial Issue	Jan. 3/08	Initial Issue	Jan. 3/08

Service Bulletin Revision 1

Remove	Incorporate	Reason for change
All pages of the Service Bulletin.	Pages 1 to 4 of the Service Bulletin.	To include the approved life for the new LP Turbine Disk stage 6.

Supplement Revision 1

Remove	Incorporate	Reason for change
All pages of the Supplement.	Page 1 of the Supplement.	To include the approved life for the new LP Turbine Disk stage 6.

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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 – LP TURBINE – INTRODUCTION OF A NEW DISK STAGE 6 WITH ENLARGED ELONGATED
STRESS RELIEF HOLES IN FRONT FLANGE

1. Planning Information

A. Effectivity

- (1) Airbus A319
 - (a) V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. 12781.
- (2) Airbus A320
 - (a) ALL V2500-A1 Engines.
 - (b) V2524-A5, V2527-A5, V2527E-A5 Engines prior to Serial No. 12781.
- (3) Airbus A321
 - (a) V2530-A5, V2533-A5 Engines prior to Serial No. 12781.
- (4) Boeing MD-90
 - (a) ALL V2525-D5, V2528-D5 Engines.

B. Reason

- (1) Introduction of new LP Turbine Disk stage 6 with enlarged elongated stress relief holes in front flange.

C. Compliance

- (1) Category Code 7.
Accomplish when supply of superseded parts has been depleted.

D. Approval

- (1) The part number changes and/or part modifications described in sections 2 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine models listed.

E. General Information

- (1) This General Information Bulletin introduces a new LP Turbine Disk stage 6 with enlarged elongated stress relief holes in front flange.



(2) Publications affected:

(a) The V2500-A1/A5/D5 Engine Illustrated Parts Catalogs (S-V2500-1IA, 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, S-V2500-7IB) will be revised to include the new part. Refer to Section 2. "Material Information" for ATA Locations.

(3) For the effect on the declared life, the Time Limits Manual, Chapter 05-10-01, Group A Parts Lives will be updated to include the following:

Part Number (ALL V2500-A1)	3A2996 SBE 70-0942
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Approved life (Flight cycles)	20,000
Bump usage cycles (up to 5 percent)	0 to 1000
Certified life up to 5 percent Bump usage	20,000
Bump usage cycles (up to 15 percent)	1001 to 3000
Certified life up to 15 percent Bump usage	20,000
Bump usage cycles (up to 30 percent)	3001 to 6000
Certified life up to 30 percent Bump usage	20,000
Bump usage cycles (up to 100 percent)	6001 to 20,000
Certified life up to 100 percent Bump usage	20,000

Part Number (ALL V2500-A5 and D5)	3A2996 SBE 70-0942
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Approved life (Flight cycles)	20,000
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NOTE: The Time Limits Manual, Chapter 05-10-01, is scheduled to incorporate the Part Service Life Limits related to this Service Bulletin and will take precedence over the Service Bulletin.

F. References

(1) Internal Reference No.:

Engineering Change No. 06VM018 and 06VM018-01.

(2) ATA Locator - 72-50-31.

2. Material Information

A. The kit required consists of the following parts:

None.

B. New production parts:

See supplement of this Service Bulletin.

C. Parts affected by this Service Bulletin:

Applicability: For all V2500-A1/A5/D5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-50-31						
01-050	3A2996	1	.Disk, Stg.6	-	3A1986	(A)(S1)

D. Instruction/Disposition Codes:

(A) Old part will continue to be supplied until existing stock is exhausted.

(S1) Old and new part are not interchangeable, but the new part may be fitted in lieu of the superseded part, but not vice-versa.

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.

2. New Production Parts:

Part No.	Description	Unit Price US Dollars
3A2996	.Disk, Stg.6	94,150.00

3. Tools

None.