



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

DATE: Feb.19/07

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

V2500-A1 SERIES PROPULSION SYSTEM NON-MODIFICATION SERVICE BULLETIN

Printed in Great Britain

This document transmits Revision 2 to Service Bulletin EV2500-72-0473

Document History

Service Bulletin Revision Status	Supplement Revision Status
Initial Issue Feb.25/04	
Revision 1 Mar.15/04	

Bulletin Revision 2

Remove	Incorporate	Reason for change
All pages of the Service Bulletin	Page 1 and 2 of the Service Bulletin	To change the Effectivity 1.A.

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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 2 are as follows:

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R	1	2	Feb.19/07
R	2	2	Feb.19/07

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ENGINE – HP COMPRESSOR, STAGE 6 ROTOR – REMOVAL OF BLADES – NON-MODIFICATION SERVICE BULLETIN

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1. Planning Information

A. Effectivity

(1) Airbus A320

R (a) V2500-A1 Engines

R For all engines which do not have the Service Bulletin
R V2500-ENG-72-0532 standard incorporated.

B. Concurrent Requirements

None.

C. Reason

To date, there have been five A1 HPC Rotor 6 blade root failures caused by an undersized root radius. In each case, this caused significant downstream damage to the HPC, resulting in an IFSD. This NMSB is being issued to protect against ongoing failures, in lieu of an inspection technique, which is currently being developed.

D. Compliance

Category 6

This Non-Modification Service Bulletin should be carried out when the subassembly is disassembled sufficiently to afford access to the affected parts as follows:

ATA	Part Number
72-41-15	6A3338
72-41-15	6A5586
72-41-15	6A3339
72-41-15	6A5587
72-41-15	6A3340C01
72-41-15	6A3340C02
72-41-15	6A5583C01
72-41-15	6A5583C02

E. Action

In order to protect against further failures, all A1 Rotor 6 blades should be removed and replaced with new blades. The blades can be replaced using the HPC surgical strike procedure (Reference 2) if desired.

If it is known that the total blade life will be below 10,000 cycles at the next engine shop visit, the blades do not need to be removed.

F. Approval

The compliance statement in section 1.D. of this NMSB complies with the Federal Aviation Regulations and is FAA-Approved for the engine models listed.

G. Manpower

N/A

H. References

- R (1) IAE V2500-A1 Engine Manual Chapter 72-41-15.
- (2) IAE V2500-A1 Engine Manual HPC Surgical Strike Procedure
72-41-00-440-001-C00.
- R (3) Engineering Change Number - EC04VR713A.
- (4) ATA Locator - 72-41-15.
- R (5) Service Bulletin V2500-ENG-72-0532
- R ENGINE - HIGH PRESSURE (HP) COMPRESSOR - HP COMPRESSOR STAGE 6 ROTOR
R BLADES WITH IMPROVED ROOT DEFINITION

2. Material Information

None.

3. Accomplishment Instructions

A record of accomplishment is necessary.