

International Aero Engines
SERVICE BULLETIN

Nov 5/99

Subject: Transmittal of Revision 1 to Service Bulletin V2500-ENG-75-0082.

Service Bulletin Revision History:

Event	Date
Basic Issue	Oct.15/99.
Revision 1	Nov.5/99.

Reason for Revision:

- (1) To change condition and background in C.Reason.
- (2) To change the statement in D.Description.
- (3) To update Material Information.

Effect on Past Compliance:

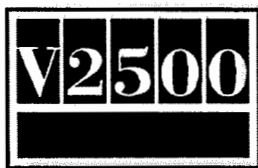
None.

List of Effective Pages:

Page No.	Revision No.	Effective Date
1 to 3	Revision 1	Nov.5/99.
4 and 5	Basic Issue	Oct.15/99
6	Revision 1	Nov.5/99
7	Basic Issue	Oct.15/99

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Transmittal
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AIR – HP COMPRESSOR STAGE 10 BLEED VALVE - INTRODUCTION OF A REVISED PARKER
HANNIFIN BLEED VALVE WITH INCREASED LENGTH RELIEF IN THE PISTON BORE

MODEL APPLICATION

V2527-A5 Engines
V2533-A5 Engines

BULLETIN INDEX LOCATOR

75-32-00

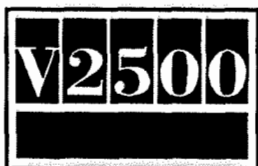
Compliance Category Code

Controlled Service Introduction

Reference Internal No.

EC97VI004D

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AIR – HP COMPRESSOR STAGE 10 BLEED VALVE - INTRODUCTION OF A REVISED PARKER
HANNIFIN BLEED VALVE WITH INCREASED LENGTH RELIEF IN THE PISTON BORE

1. Planning Information

A. Effectivity

(1) Aircraft

- (a) Airbus A320 Aircraft 934, 1014, 1177 and 1183
- (b) Airbus A321 Aircraft 806, 810, 835, 864, 968, 974, 1045, 1153, 1174 and 1207

(2) Engines

- (a) V2527-A5 Engines V10329 V10330 V10340 V10362 V10360 V10361 V10400
V10432 V10476 V10477 V10500 V10502 V10512 V10506
V10550 V10551 V10577 V10568 V10385 V10391
- (b) V2533-A5 Engines V10329 V10330 V10340 V10362 V10360 V10361 V10400
V10432 V10476 V10477 V10500 V10502 V10512 V10506
V10550 V10551 V10577 V10568 V10385 V10391

B. Concurrent Requirements

This Service Bulletin is only applicable to British Midland Airlines (BMA) only.

C. Reason

(1) Condition

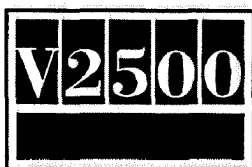
R The current standard of Dunlop supplied HP Compressor Stage 10 Bleed Valve may become
R stuck in the closed position.

R The problem is attributed to contaminated air flows and is more prevalent during compressor
R rub-in on a new engine.

(2) Background

R The problem has been reported in service.

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(3) Substantiation

R The changes introduced by this modification have been the subject of satisfactory
R engineering analysis, engine testing and vendor rig testing.

(4) Objective

Incorporation of this modification is designed to maintain unit reliability.

(5) Effect of Bulletin on:-

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Not affected.

(d) Repair Schemes

Not affected

(e) Interchangeability

Affected (Refer to 2.B.).

(f) Fits and Clearances

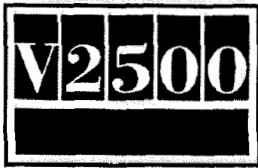
Not affected

D. Description

R (1) The new Parker Hannifin supplied bleed valve gives protection against contamination by
R shielding the piston sealing rings and piston guide stem from direct exposure to valve inlet
R flow air. The changes introduced are:-

R (a) The current HP Compressor Stage 10 Bleed Valve is supplied by Dunlop Limited. This
R modification replaces it with a similar unit supplied by Parker Hannifin Corporation
R located in the same position on the propulsion system.

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E. Compliance

This Service Bulletin is released for purposes of Controlled Service Introduction for British Midland Airlines (BMA) only.

F. Approval

The part number changes and/or modification described in Section 2 and 3 of this Modification Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Models listed.

G. Manpower

Estimate of man-hours necessary to embody this Service Bulletin in full:

- | | |
|-----------------|--|
| (1) In Service | Not applicable. |
| (2) At Overhaul | No additional time is necessary to embody this Service Bulletin. |

NOTE: It is possible to get access to the parts affected by this Service Bulletin at overhaul.

H. Material Price and Availability

- (1) A modification kit is not necessary
- (2) Refer to 2. Material Information section for prices and availability of spares.

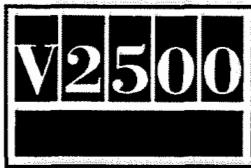
I. Tooling Price and Availability

Special tools are not necessary

J. Weight and Balance

- | | |
|-------------------|---|
| (1) Weight Change | Plus 0,18Kg (0.4lb). |
| (2) Moment Arm | 673mm (26.5in) rearwards |
| (3) Datum | Engine front mount centreline
(Power Plant Station (PPS) 100). |

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K. Electrical Load Data

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

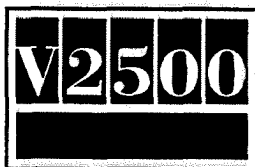
L. References

Refer to 3. B. Accomplishment Instructions

M. Other Publications Affected

Illustrated parts catalogue (IPC), Chapter/Section 75-32-54.

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2. Material Information

Applicability : For each V2500 engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:-

None.

B. Units affected by this Bulletin:-

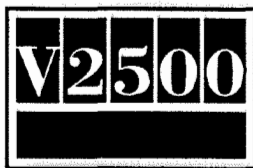
NEW PART No. (ATA No.)	QTY	EST'D UNIT PRICE (\$)	PART TITLE	OLD PART No. (IPC No.)	INSTR DISP
R 5950041-107 (75-32-54)	1	Note	Valve, Bleed, Stage 10 HP Comp (V92003)	AC69922 (01-400)	(A)(B)(S1)

NOTE: The unit prices, if shown, are an estimate and they are given for the purpose of planning only.
For information about actual prices, refer to IAE Price Catalog or contact IAE's spare parts sales department.

C. Instruction/Disposition Code Statements:-

- (A) New part will be available from October 1999
- (B) Old part will not be made available as a replenishment spare.
- (S1) Old and new parts are freely and fully interchangeable

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3. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

(1) For the correct Removal/Installation procedures, refer to the manuals that follow:

(a) The A319/A320/A321 Aircraft Maintenance Manual (AMM), Chapter/Section 75-32-54, Removal/Installation.

or

(b) The A1/A5 Engine Manual (EM), Chapter/Section, 72-00-40 Removal-04 and Installation-07.

C. Recording Instructions

(1) A record of accomplishment is necessary.

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