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V2500-A5 SERIES PROPULSION SYSTEM SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-75-0089

Bulletin Initial Issue

Remove

Incorporate
Pages 1 to 7 of the
Service Bulletin

Reason for change
Initial issue

V2500-ENG-75-0089

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CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

Page Revision Number Revision Date

Bulletin

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AIR - TURBINE COOLING CONTROLLED AIR TUBES - INTRODUCTION OF A REVISED STAGE 10
MAKE-UP AIR BRACKET

1. Planning Information

A. Effectivity

(1) Airbus A319

V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. V11425

(2) Airbus A320

V2527-A5, V2527E-A5 Engines prior to Serial No. V11425

(3) Airbus A321

V2530-A5, V2533-A5 Engines prior to Serial No. V11425

B. Concurrent Requirements

None.

C. Reason

(1) Problem

The Stage 10 make-up air adapter clipping bracket does not meet the required interface positions on engine build.

The problem has been attributed to the geometry of the clipping bracket being incorrectly profiled.

(2) Evidence

(See Problem).

(3) Substantiation

The changes introduced by this modification have been the subject of satisfactory engineering analysis.

(4) Objective

Incorporation of this Service Bulletin is designed to ease engine build.



(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Affected (see 1.M. Other Publications Affected).

(c) Overhaul

Affected (see 1.M. Other Publications Affected).

(d) Repair Schemes

Not affected.

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

D. Description

(1) The changes introduced are:

- (a) A revised HP Compressor Stage 10 Make-up Air Bracket has been introduced similar to the existing bracket except the bend of the L shaped leg has been rotated by 180 degrees.

E. Compliance

Category Code 6

Accomplish when the sub-assembly (i.e. modules, accessories, components, components. build groups) is disassembled sufficiently to afford access to the affected spare parts.

F. Approval

The part number changes and/or part modifications described in sections 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the engine model(s) listed.

G. Manpower

Estimate of manhours necessary to do this Service Bulletin in full:



(1) In service:

Not applicable.

(2) At overhaul:

Not affected.

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

H. Material Price and Availability

Modification kit not required.

For prices and availability of future spares see 2. Material Information.

I. Tooling Price and Availability

Special tools are not required.

J. Weight and Balance

(1) Weight Change

None.

(2) Moment Arm

No effect.

(3) Datum

Engine Front Mount Centreline (Power Plant Station PPS 100).

K. Electrical Load Data

The aircraft electrical load is not affected by this Service Bulletin.

L. References

(1) This Service Bulletin supersedes the following Service Bulletin:

ENG-75-0037 - AIR - TURBINE COOLING CONTROLLED AIR TUBES - REVISED STAGE 10 MAKE-UP AIR ADAPTOR MOUNTED CLIPPING BRACKET.

(2) Engine Manual, 72-00-40, Removal/Installation.

(3) Aircraft Maintenance Manual, 75-23-51, Removal/Installation.

(4) Internal Reference Number - 02VR011.



(5) ATA Locator - 75-23-48.

M. Other Publications Affected

- (1) Illustrated Parts Catalogue (IPC), 2IA, 2IB, 5IA, 5IB, 6IA, 6IB, 7IA, 7IB Chapter/ Section 75-23-48, will be revised.
- (2) Engine Manual, 72-00-40, Removal/Installation.
- (3) Aircraft Maintenance Manual, 75-23-51, Removal/Installation.
- (4) Component Maintenance Manual, 75-23-48, Cleaning, Inspection and Repairs.

N. Interchangeability of Parts

- (1) Affected (See 2. Material Information).



2. Material Information

A. The kit required consists of the following parts:

None.

B. Parts to be reworked:

None.

C. New production parts:

All Engines

75-23-48

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
04390	6A8151	1	.Bracket	-	6A7831	(A) (B) (S1)

D. Instruction/Disposition Codes

(A) Part will be made available from November 2002.

(B) Old part becomes redundant upon embodiment of this modification.

(S1) New part may be used in place of old part, but not vice versa.



3. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

For the correct assembly procedures refer to Engine Manual, 72-00-40, Removal-04, Installation-07 and Removal-15, Installation-15. Aircraft Maintenance Manual, 75-23-51, Removal/Installation.

C. Recording Instructions

- (1) A record of accomplishment is required.



HP Compressor Stage 10 Make Up Air Bracket Family Tree

V2500 A5 Engines

V2500-ENG-75-0081

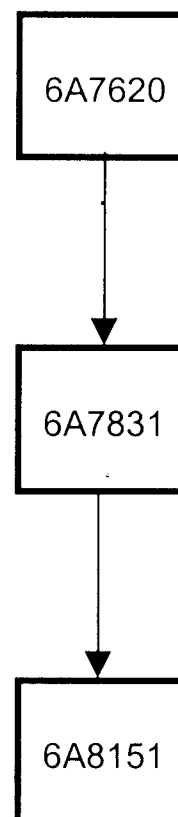
Air - Stage 10 to HPT Air Valve - Deletion of the HPC Stage10 Make-up Air Valve and Associated Hardware.

V2500-ENG-75-0037

Air - Turbine Cooling Controlled Air Tubes - Revised Stage 10 Make-up Air Adaptor Mounted Clipping Bracket.

V2500-ENG-75-0089

Air - Turbine Cooling Controlled Air Tubes - Introduction Of A Revised Stage 10 Make-up Air Bracket.



Family Tree
Figure 1

