



International Aero Engines

RR-DERBY

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

DATE: Jul.29/02

P.O. BOX 31, DERBY
 TELEGRAMS - 'ROYCAR' DERBY
 TELEX - 37645
 TELEPHONE - DERBY 242424

V2500-A5 PROPULSION SYSTEMS SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-74-0005

Bulletin Initial Issue

Remove

Incorporate
 Pages 1 to 7 of the
 Service Bulletin

Reason for change
 Initial issue

V2500-ENG-74-0005

Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

If any have not been received please advise Publication Services, Rolls-Royce plc, Derby, England

© Rolls-Royce plc (date as above) Printed in Great Britain

LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

Page Revision Number Revision Date

Bulletin

1	Jul.29/02
2	Jul.29/02
3	Jul.29/02
4	Jul.29/02
5	Jul.29/02
6	Jul.29/02
7	Jul.29/02

Printed in Great Britain

V2500-ENG-74-0005
Transmittal - Page 2



IGNITION - EXCITER IGNITION UNITS - INTRODUCTION OF A REVISED ENGINE EXCITER BOX
MOUNTING BRACKET

1. Planning Information

A. Effectivity

(1) Airbus A319

V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. V11350

(2) Airbus A320

V2527-A5, V2527E-A5 Engines prior to Serial No. V11350

(3) Airbus A321

V2530-A5, V2533-A5 Engines prior to Serial No. V11350

B. Concurrent Requirements

None.

C. Reason

(1) Problem

The clipping point support section of the central raft of the Igniter Box mounting bracket may become distorted relative to the raft bracket.

The problem has been attributed to misalignment of clipping point 5775 held on the bracket relative to the tube which runs between the LPC bleed actuators. This can result in a reduction in build clearances at clipping point 5773.

(2) Evidence

The problem has been experienced on engine build.

(3) Substantiation

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

(4) Objective

Incorporation of this modification is designed to maintain reliability.



(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Affected (see 1. 0. Other Publications Affected).

(c) Overhaul

Affected (see 1. 0. Other Publications Affected).

(d) Repair Schemes

Not affected.

(e) Interchangeability

Affected.

(f) Fits and Clearances

Not affected.

D. Description

(1) The changes introduced are:

(a) A revised Engine Exciter Box mounting bracket is introduced which is similar to the existing item except for the following:

(i) The fabricated support bracket for attaching CP5773, CP5774 and CP5775 is deleted and the raft bracket is extended to incorporate this feature.

(b) A revised attaching bolt for the raft bracket is introduced similar to the existing item except for a reduction in length.

(c) A revised spacer is introduced at CP5775 similar to the existing item except for a reduction in length. As a result of this the attaching bolt is reduced in length.

(d) The clip held at CP5773 is rotated through 180 degrees and is repositioned to maintain the centreline of the harness.

(e) A revised bolt for CP5774 is introduced similar to the existing item except for an increase in length due to the increase in thickness of the bracket where the clip point attaches.



E. Compliance

Category 7

Accomplish when the supply of superseded parts has been depleted.

F. Approval

The part number transactions shown in section 2. Material Information of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the engine models listed.

G. Manpower

(1) In service

Not applicable.

(2) At overhaul

Not affected.

NOTE: The parts affected by this Service Bulletin are accessible at overhaul.

H. Material Price and Availability

Modification kit not required; parts supplied as single line items.

I. Tooling Price and Availability

Special tools are not required.

J. Industry Support Information

None.

K. Weight and Balance

(1) Weight Change

None.

(2) Moment Arm

Not affected.

(3) Datum

Engine front mount centreline (Power Plant Station (PPS) 100).



L. Electrical Load Data

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

M. Software Accomplishment Summary

Not applicable.

N. References

- (1) IAE Engineering Change Number 01VR022.
- (2) Engine Manual, 72-00-40
 - (a) Removal-02, Config-02
 - (b) Removal-03, Config-02
 - (c) Installation-08, Config-02
 - (d) Installation-09, Config-02
- (3) Component Maintenance Manual, MECH-1IA, 74-11-38, Cleaning and Inspection
- (4) ATA Locator - 74-11-38.

O. Other Publications Affected

- (1) Illustrated Parts Catalogue (IPC) 2IA, 2IB, 5IA, 5IB, 6IA, 6IB, 7IA and 7IB Chapter/Section 71-52-43, 73-11-49, 74-11-38 will be revised.
- (2) Engine Manual, 72-00-40
 - (a) Removal-02, Config-02
 - (b) Removal-03, Config-02
 - (c) Installation-08, Config-02
 - (d) Installation-09, Config-02
- (3) Component Maintenance Manual, MECH-1IA, 74-11-38, Cleaning and Inspection
- (4) Aircraft Maintenance Manual, 71-52-43, Removal/Installation

P. Interchangeability of Parts

The parts introduced by this modification must be fitted as a set.



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

71-52-43

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01030	4W0104	1	.Bolt, (see Appendix 5) - .190 dia x .562		4W0103	(B)(S1)(1D)

73-11-49

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
15157	AS21414	1	.Bolt, bihex hd .190 dia- x .875		AS21418	(B)(S1)(1D)
15162	UP10479	1	.Spacer, 10 mm.	-	LK64549	(B)(S1)(1D)

74-11-38

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01180	6A8081	1	.Bracket assembly	-	6A5628	(A)(C)(S1)

D. Instructions disposition codes:

- (A) New part will be made available from September 2002.
- (B) New part is currently available.
- (C) Old part becomes redundant upon embodiment of this modification.
- (S1) New and old parts are not interchangeable.
- (1D) Old part may be used up on other applications.

E. Part Prices

Part No.	Qty	Unit Price US Dollars
4W0104	1	Price supplied on request
AS21414	1	9.19
UP10479	1	13.70
6A8081	1	Price supplied on request

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 Catalogue for current prices.



3. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

The revised engine exciter box mounting bracket introduced by this Service Bulletin is not interchangeable with the existing item. Remove and Install in accordance with current operating procedures (Engine Manual, 72-00-40, Removal-02, Config-02 and Installation-09, Config-02).

The parts introduced by this Service Bulletin must be fitted as a set.

C. Recording Instructions

A record of accomplishment is necessary.

