



POWER PLANT - RELAY BOX - MOUNTING BRACKET WITH INCREASED HEIGHT SUPPORTS AND ALTERED CLIPPING LUGS - CATEGORY CODE A5 MODEL:6 - CATEGORY CODE A1 MODEL:7 - MOD.ENG-71-0113

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A320
 (b) Airbus A321
- (2) Engine: (a) V2500-A1 Engines prior to Serial No.V00355
 (b) V2500-A5 Engines prior to Serial No.V10020

B. Concurrent requirements

None

C. Reason

(1) Condition

A possible interface condition between the clips and the fan case has been reported on engine build of the V2500-A5.

(2) Background

During build of the V2500-A5 first production engine it was highlighted that the clearance between the two harness retaining clips supported from lugs on the relay box mounting bracket and the fan case was limited.

(3) Objective

The incorporation of this Service Bulletin is designed to ensure adequate clearance between the clips and the fan case.

(4) Substantiation

Engine testing is not considered necessary as the bracket material is unchanged. A satisfactory assembly check was conducted on a mock-up engine.

(5) Effect of Bulletin on Workshop Procedures:

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Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

None

D. Description

A new relay box mounting bracket is introduced.

The four bracket supports are increased in height by 0.314 in. (8 mm). The clipping lugs (for CP 0766 and CP 0767) are set at an angle of 25 degrees minimum instead of 20 degrees minimum.

To maintain manufacture of a common bracket, the change is also applied to A1 engines.

E. Approval

The part number changes and/or part modification described in Section 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 Models listed.

F. Compliance

A5 Model:

Category Code 6

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

A1 Model:

Category Code 7

Accomplish when supply of superseded parts has been depleted.

G. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:



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Venue	Estimated Manhours
(1) In service	Not applicable
(2) At Overhaul	Not affected
H. <u>Material - Price and Availability</u>	
(1) Modification Kit not required.	
(2) See 'Material Information' section for prices and availability of future spares.	
I. <u>Tooling - Price and Availability</u>	
Special tools are not required.	
J. <u>Weight and Balance</u>	
(1) Weight change	None
(2) Moment arm	No effect
(3) Datum	Engine front mount centreline (Power Plant Station - PPS 1000)
K. <u>Electrical Load Data</u>	
This Service Bulletin has no effect on the aircraft electrical load.	
L. <u>References</u>	
(1) Internal Reference No.	
	EC93VR034
(2) Other references	
	IAE V2500 Service Bulletin Number:
	V2500-ENG-70-0259 (Fan Case Flange Scallop altered to make provision for low NOX Fuel Splitter Valve)
	V2500 Engine Manual, 72-00-32, Installation.
M. <u>Other Publications Affected</u>	
(1) Illustrated Parts Catalogue will be revised.	



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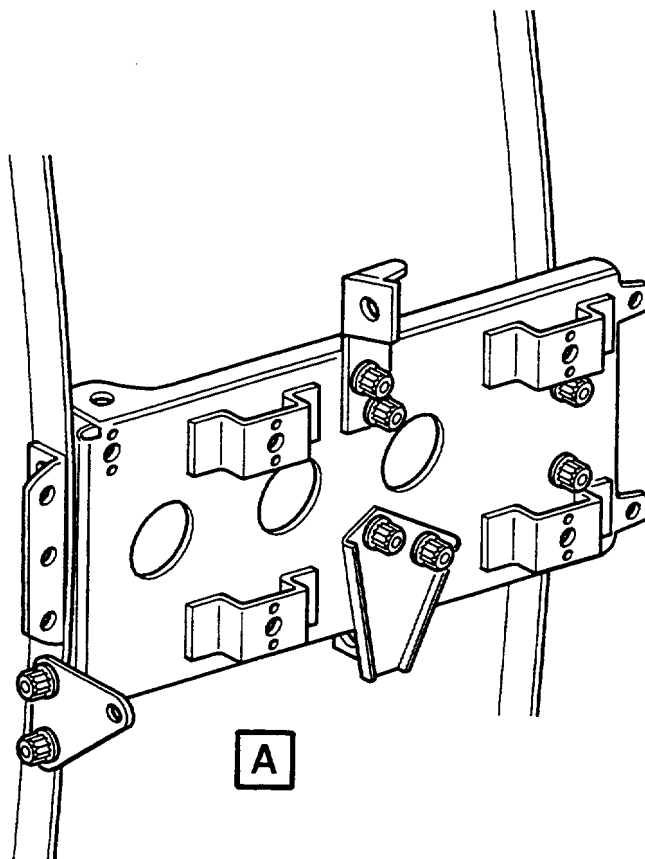
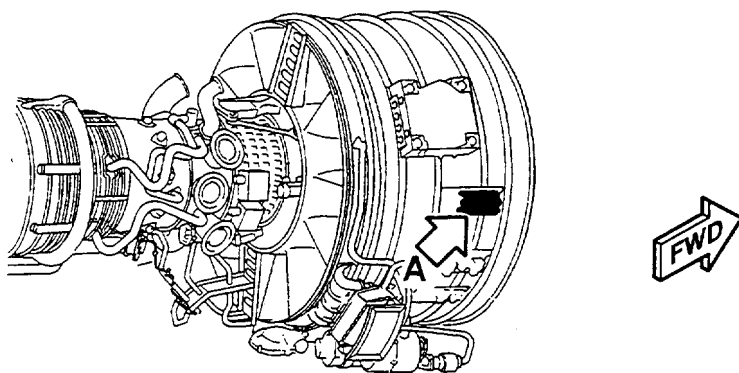
- (2) Component Maintenance Manual – Mechanical, 71-51-49, Cleaning-00, Cleaning-01, Inspection-00 and Inspection-01.

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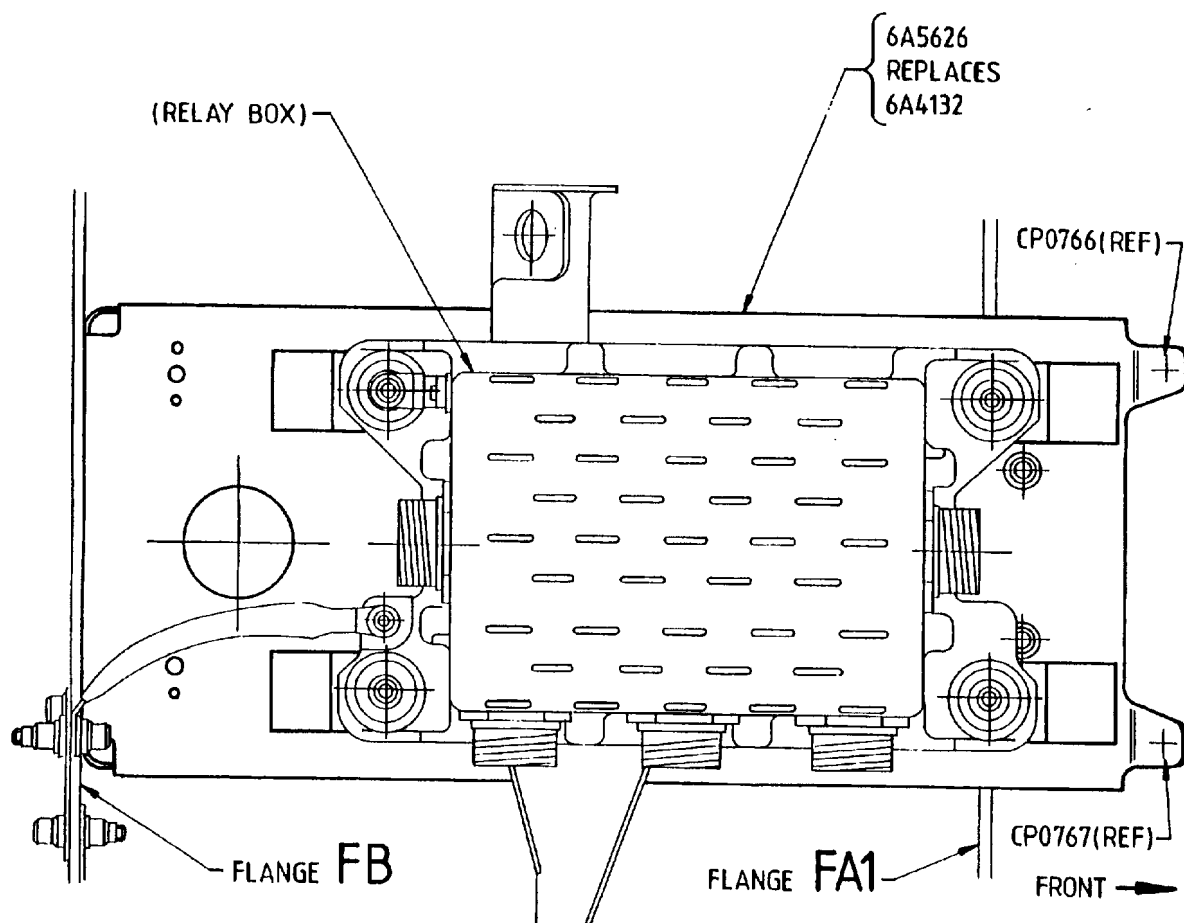
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Location of relay box support bracket
Fig.1

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Relay box support bracket - before and after alteration
Fig.2

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2. Accomplishment Instructions

A. Rework instructions

Not Applicable

B. Assembly Instructions

Install the new 6A5626 relay box mounting bracket to the fan case by the approved procedures in the Engine Manual, 72-00-32, Installation (Refer to Figure 1 and 1.K. (2)).

C. Recording Instructions

(1) A record of accomplishment is necessary.



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3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
6A5626 (71-51-49)	1		Bracket assy, support - P2/T2 relay box	6A4132 (01-400)	(A)(B)

C. Instruction/Disposition Code Statements:

(A) New part is currently available.

(B) Old part is no longer available.

NOTE: The estimated 1996 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for Information concerning firm prices.

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