ENGINE - AIR - INCORPORATE A REVISED SOLENOID SUPPORT BRACKET TO PROVIDE IMPROVED CLEARANCES BETWEEN BRACKET AND FAN CASE ASSEMBLY - CATEGORY CODE 6 - MOD.ENG-75-0036

1. Planning Information

A. Effectivity

(1) Aircraft (a) Airbus A320
(b) Airbus A321

(2) Engine (a) V2500-A1 Engines prior to Serial No.V0355 *
(b) V2500-A5 Engines prior to Serial No.V10020 *

* THE SERIAL NUMBER DATA SHOWN IS OF A PRELIMINARY NATURE AND IS PROVIDED FOR ADVANCED PLANNING ONLY. A FUTURE REVISION TO THIS SERVICE BULLETIN WILL CONFIRM FINAL SERIAL NUMBER EFFECTIVITY.

B. Concurrent Requirements

None

C. Reason

(1) Condition

During build of the V2500-A5 first production engine it was highlighted that the identification markings on the air bleed valve solenoid mounting bracket did not correspond with identification markings on the E.E.C. harness connectors.

If was also highlighted that the clearance between the clips which are supported from the air bleed valve solenoid mounting bracket and the fan case was inadequate.

(2) Background

The mounting bracket for the H.P. 7 bleed valve and H.P./I.P. cabin bleed solenoids has 'D' prefixed markings adjacent to the three H.P.7 solenoids. These markings were intended to correspond with markings on the E.E.C. harness connectors to facilitate correct fitment to the solenoid receptacles. However, use cannot be made of the 'D' numbers because the harness connectors have always featured functional identification numbers.

The increased diameter of the fan case on the V2500-A5 engine compared to that on the V2500-A1 engine has resulted in the clearance between the clips and fan case being reduced.

(3) Objective

To introduce a bracket which has the correct identification numbers and which provides adequate clearance between the clips and 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:

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

This Service Bulletin introduces a modified bleed valve solenoid mounting bracket with functional identification numbers etched adjacent to the 4 solenoids. The clipping lugs (for CP0768 and CP0769) are set at an angle of 25 degrees minimum instead of 20 degrees minimum.

Existing brackets can be reworked by cancelling the 'D' markings and etching on the new identification numbers, and by manipulating the lugs to achieve the revised angular position.

E. Approval

The part number changes and/or part modifications 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 Model Listed.

F. Compliance

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.

G. Manpower

Estimated manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul	TOTAL 10 minutes

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

H. Material - Price and Availability

(1) Modification Kit not required; existing parts can be reworked.

(2) See "Material Information" section for prices and availability of future spares.

I. Tooling - Price and Availability

Special tools are not required.

J. Weight and Balance

(1)	Weight change	None
(2)	Momemt arm	No effect
(3)	Datum	Engine front mount centreline (Power Plant Station - PPS 100)

K. Electrical Load Data

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

L. References

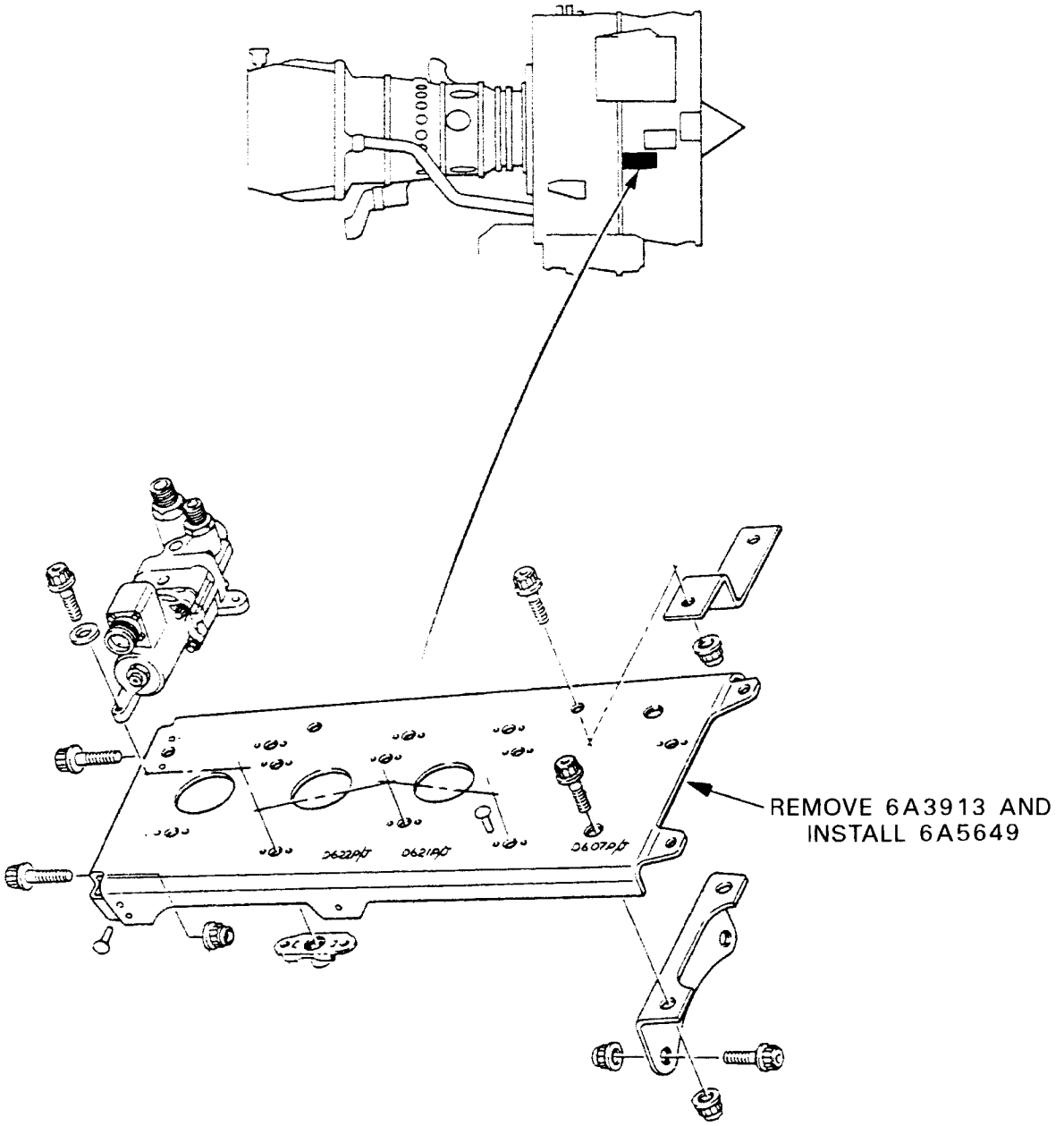
(1) Internal Reference No.

EC93VR035

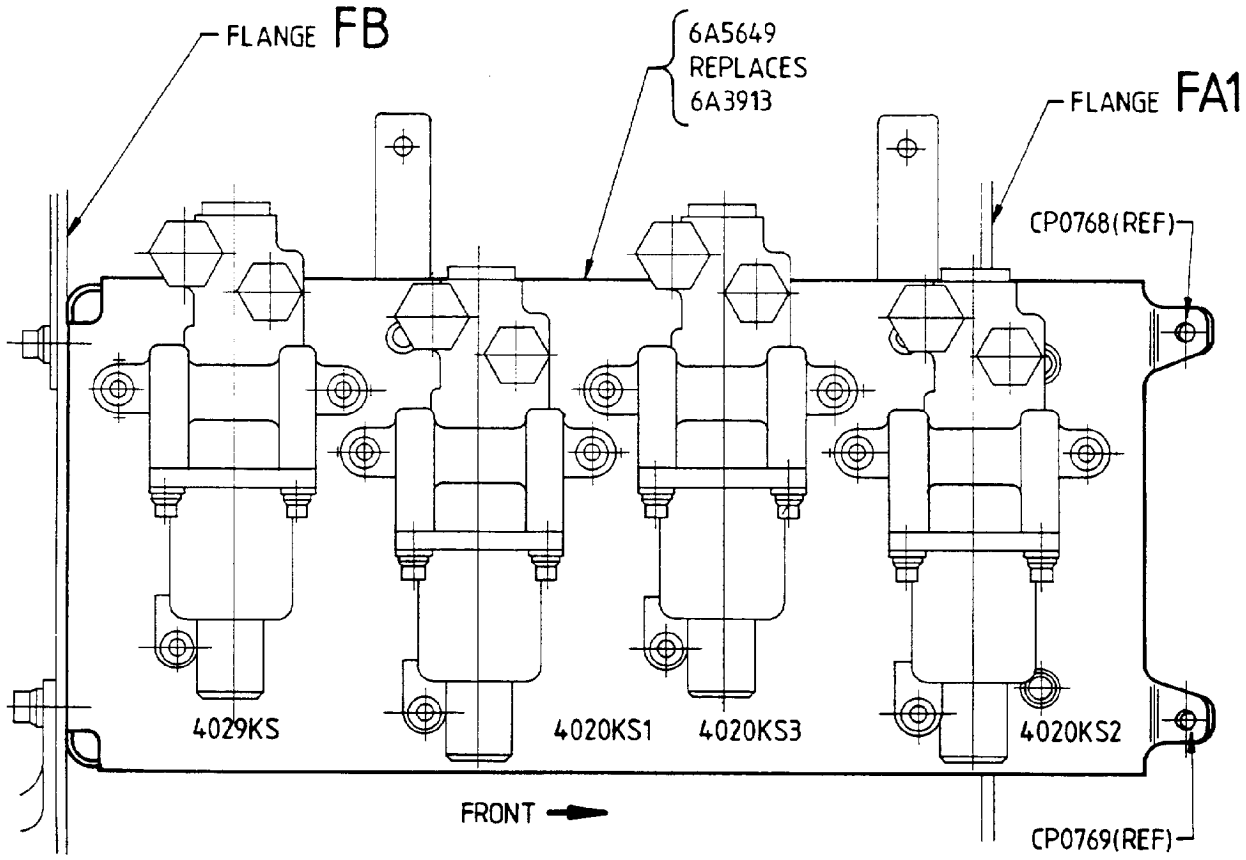
M. Other Publications Affected

(1) V2500, Engine Illustrated Parts Catalog, 75-32-51.

(2) V2500, Engine CMM-MECH, 75-32-51 Cleaning 00,01 and Inspection/Check 00,01.



Location of bracket
Fig.1



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View on solenoid mounting bracket Before and after alteration
Fig.2

2. Accomplishment Instructions

A. Rework Instructions.

(1) Rework 6A3913, Bracket assy, mounting - Bleed valve solenoids (Refer to 75-32-51, Fig/Item No. 01-160)

Consumable Materials

None required

Standard Equipment

Basic workshop tools
Vibro-engraving equipment

	Procedure	Supplementary Information
(a)	Find the clip points CP0768 and CP0769	See Fig. 2
(b)	Adjust the lugs to the revised angular position of 25 degrees minimum	See Fig. 2 Use basic workshop tools
(c)	Cancel the existing functional identification numbers and identify with the new functional identification numbers	See Fig. 2 Use vibro-engraving equipment. Refer to SPM TASK 70-09-00-400-501
(d)	Cancel the existing part number and re-identify with the new part number	Use vibro-engraving equipment. Refer to SPM TASK 70-09-00-400-501 Existing 6A3913 Re-number 6A5649

B. Assembly Instructions

(1) Assemble the new or re-identified 6A5649 bracket assembly, mounting bleed valve solenoids by use of approved procedures, Engine Manual, 72-00-32 Installation 02.

C. Recording Instructions

(1) A record of accomplishment is necessary.

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
6A5649 (75-32-51)	1		Bracket assy, mounting - Bleed valve solenoids	6A3913 (01-160)	(A)(B)(1D) (S1)

C. Instructions/Disposition Code Statements:

(A) New part currently available.

(B) Old part no longer available.

(1D) Old part may be reworked and re-identified to the new part number.

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

NOTE: The estimated 1994 unit price shown is provided for planning purposes only and does not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.