



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

DATE: Sep. 9/05

P.O. BOX 31, DERBY
TELEGRAMS - 'ROYCAR' DERBY
TELEX - 37645
TELEPHONE:- 44 (0) 1332 242424
FAX:- 44 (0) 1332 249936

V2500-A1 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

Printed in Great Britain

This document transmits Revision 1 to Service Bulletin EV2500-73-0038 and the Initial Issue of the Supplement

Document History

Service Bulletin Revision Status
Initial Issue Jun.20/94

Supplement Revision Status

Bulletin Revision 1

Remove	Incorporate Page 1 and 2 of the Summary	Reason for change Corrections to material information and revised to latest format.
All pages of the Service Bulletin	Pages 1 to 7 of the Service Bulletin	Corrections to material information and revised to latest format.

Supplement Initial Issue

Remove	Incorporate Page 1	Reason for change Corrections to material information and revised to latest format.
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Transmittal - Page 1 of 2

LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 1 to the Bulletin and the Initial Issue of the Supplement are as follows:

<u>Page</u>	<u>Revision Number</u>	<u>Revision Date</u>
Summary		
R 1	1	Sep.9/05
R 2	1	Sep.9/05
Bulletin		
R 1	1	Sep.9/05
R 2	1	Sep.9/05
R 3	1	Sep.9/05
R 4	1	Sep.9/05
R 5	1	Sep.9/05
R 6	1	Sep.9/05
R 7	1	Sep.9/05
Supplement		
1		Sep.9/05

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ENGINE - FUEL AND CONTROL - PROVIDE A NEW P2/T2 PROBE AIR TUBE ASSEMBLY AND
ATTACHMENT AT CLIPPING POINT CP0603

SUMMARY

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R 1. PLANNING

R A. EFFECTIVITY

R Engine Serial No.

R V2500-A1 Prior to Serial No. V0266

R B. CONCURRENT REQUIREMENTS

R None.

R C. REASON

R Condition

R In certain instances there may be insufficient clearance between clipping point
R CP0603 and the thermal anti-icing (TAI) duct.

R Background

R During fitting of the TAI duct, damage may occur at the rubber clip on clipping
R point CP0603. The clip involved fastens the P2/T2 tube to the front flange of
R the fan case.

R Objective

R The incorporation of this Service Bulletin is designed to ensure adequate
R clearance between the clip at clipping point 0603 and the TAI duct clamp.

R Substantiation

R The change of clipping point arrangement will adequately increase the clearance
R from the TAI duct to the clipping point. This has been confirmed by a trial
R assembly.

R As the change is of a minor nature no vibration or engine testing is considered
R necessary.

R D. DESCRIPTION

R The changes introduced by this Service Bulletin are:

R A new P2/T2 tube assembly, re-routed locally at clipping point 0603.



R The arrangement of clipping point 0603 has been changed by moving the clip to
R the inboard side of the bracket and replacing the clip nut with a nut and
R washer.

R E. COMPLIANCE

R Category Code 6

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

R F. MANPOWER

R In service - Not applicable.

R At overhaul - Not affected.

R 2. MATERIAL INFORMATION

R A. PARTS PRICES

R Total price of all new production parts introduced by this Service Bulletin is
R 690.19 (US \$).

ENGINE - FUEL AND CONTROL - PROVIDE A NEW P2/T2 PROBE AIR TUBE ASSEMBLY AND ATTACHMENT AT CLIPPING POINT CP0603

1. Planning Information

A. Effectivity

(1) Aircraft : Airbus A320

(2) Engine : V2500-A1 Engines prior to Serial No. V0266

B. Concurrent Requirements

None

C. Reason

(1) Condition

In certain instances there may be insufficient clearance between clipping point CP0603 and the thermal anti-icing (TAI) duct.

(2) Background

During fitting of the TAI duct, damage may occur at the rubber clip on clipping point CP0603. The clip involved fastens the P2/T2 tube to the front flange of the fan case.

(3) Objective

The incorporation of this Service Bulletin is designed to ensure adequate clearance between the clip at clipping point 0603 and the TAI duct clamp.

(4) Substantiation

The change of clipping point arrangement will adequately increase the clearance from the TAI duct to the clipping point. This has been confirmed by a trial assembly.

As the change is of a minor nature no vibration or engine testing is considered necessary.

(5) Effect of Bulletin on Workshop Procedures:

R	Removal/Installation	Affected (see Accomplishment Instructions)
	Disassembly/Assembly	Not affected
	Cleaning	Not affected
	Inspection/Check	Not affected
	Repair	Not affected
	Testing	Not affected

(6) Supplemental Information

- (a) The Removal/Installation will be revised to add the new configuration of this Service Bulletin.

D. Description

The changes introduced by this Service Bulletin are:

- (1) A new P2/T2 tube assembly, re-routed locally at clipping point 0603.
- (2) The arrangement of clipping point 0603 has been changed by moving the clip to the inboard side of the bracket and replacing the clip nut with a nut and washer.

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

- R 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	Not affected

H. Material – Price and Availability

- (1) Modification Kit not required.
- R (2) For prices and availability of future spares see supplement to this
R bulletin.

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 centerline
(Power Plant Station (PPS) 100) |

K. Electrical Load Data

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

L. References

- | | | |
|---|-----|--|
| | (1) | Overhaul Processes and Consumables Index (PCI-V2500-1IA) |
| R | (2) | Internal Reference No. - EC 91VR015 |
| R | (3) | ATA Locator - 73-22-49 |

M. Other Publications Affected

- | | | |
|--|-----|---|
| | (1) | V2500 Engine Illustrated Parts Catalog (S-V2500-1IA), Chapter/Section 73-22-49. |
| | (2) | V2500 Engine Manual (E-V2500-1IA), 72-00-32, Installation-03. |
| | (3) | V2500 Component Maintenance Manual (CMM-THD-V2500-1IA), 73-22-49, Cleaning-00 and -05, Inspection/Check-00 and -05. |

2. Material Information

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

R Applicability: For each V2500 Engine to incorporate this Bulletin.

R 73-22-49

R	FIG	NEW	QTY	PART TITLE	OLD	INSTR
R	ITEM	PART			PART	DISP
R	NO.	NO.			NO.	
R	08-100	6A5273	1	Tube assy	5A8782	(S1)(A)
R						(B)
R	08-125	4W0103	1	Bolt	4W0102	(S1)(A)
R						(C)
R	08-126	K8831	1	Washer	5W1086	(S1)(A)
R						(C)
R	08-132	4W0001	1	Nut	4W0043	(S1)(A)
R						(C)

C. Instruction/Disposition Code Statements:

- (A) New part is currently available
- (B) Old part will no longer be available
- (C) Old part can be used up on other applications
- (S1) New parts must be fitted as a complete set per engine. Mixing of old and new parts is not permissible.

3. Accomplishment Instructions

Rework Instructions

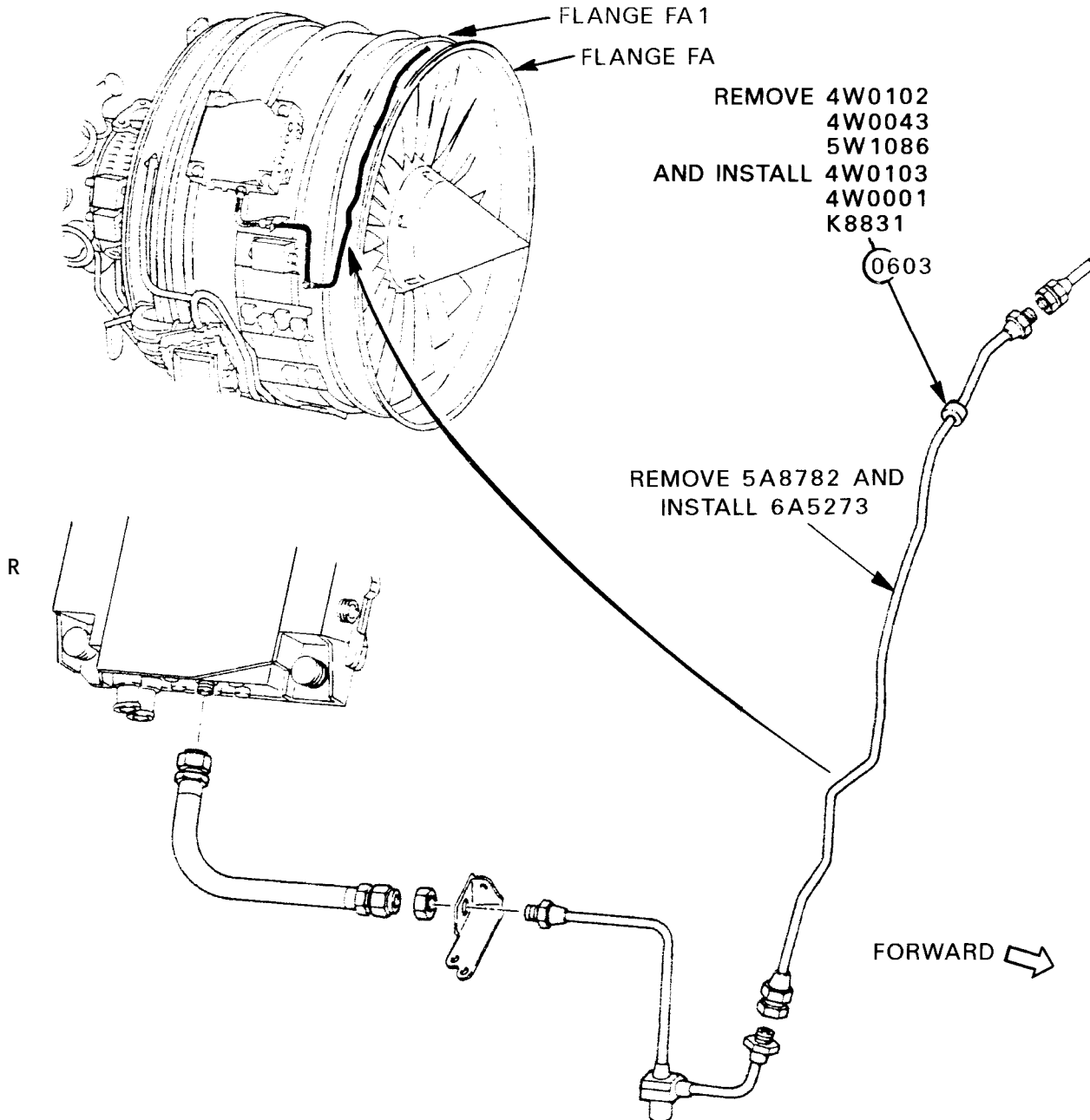
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

Assembly Instruction

- (1) Disassemble clipping points 1053, 1054, 1055 and 0603 sufficiently to remove the 5A8782 tube. Refer to Figure 1.
- (2) Disconnect the couplings at each end of the 5A8782 tube and remove the tube.
- (3) Install the 6A5273 tube and connect the hose and tube couplings.
- (4) Assemble clipping points 1053, 1054 and 1055.
- (5) Assemble the modified clipping point 0603 using the new 4W0103 bolt, K8831 washer and 4W0001 nut. Refer to Figure 2.
- (6) Torque the hose nut to 135 to 145 lbfin (15,26 to 16,39 Nm).
- (7) Torque the tube coupling nut to 70 to 80 lbfin (7,9 to 9,0 Nm).
- (8) Safety the hose nut and the tube coupling nut with CoMat 02-126 lockwire.
- (9) Torque the bolts at clipping points 1053, 1054, 1055 and 0603 to 36 to 45 lbfin (4 to 5 Nm).

Recording Instructions

- (1) A record of accomplishment is necessary.



E1495

Location of P2/T2 tube assembly and clipping point CP0603
Fig.1

R
R

V2500-ENG-73-0038

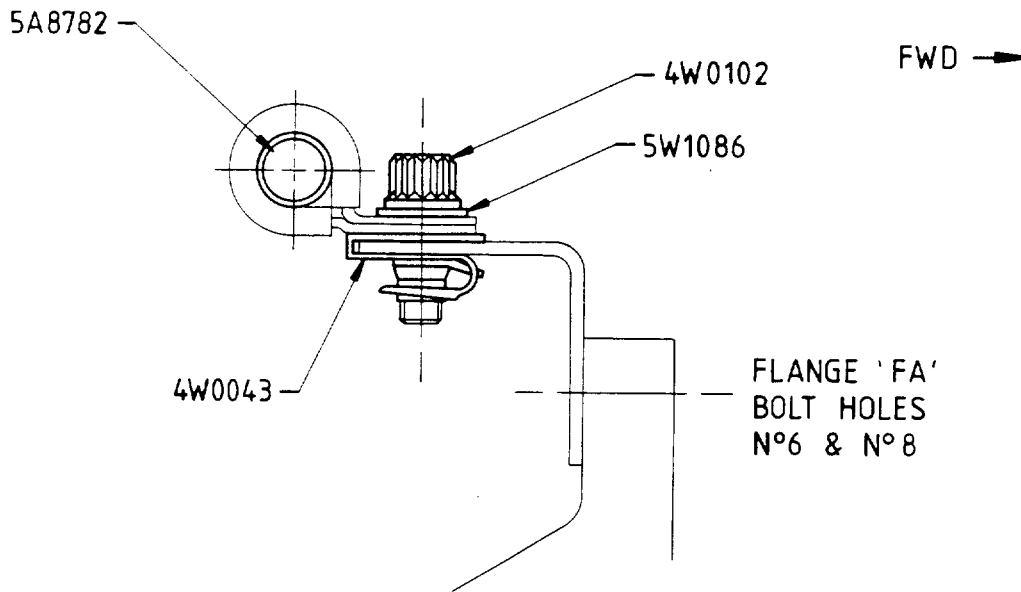
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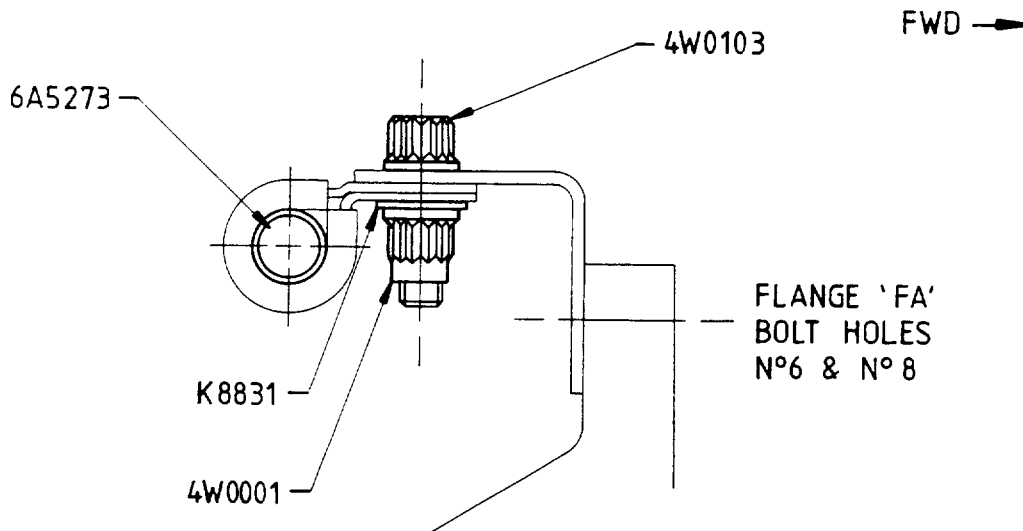
Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

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R

CLIPPING POINT 0603 BEFORE ALTERATION



CLIPPING POINT 0603 AFTER ALTERATION

dec0000950

R
R

Clipping point CP0603 - Before and after alteration
Fig.2

ENGINE - FUEL AND CONTROL - PROVIDE A NEW P2/T2 PROBE AIR TUBE ASSEMBLY AND
ATTACHMENT AT CLIPPING POINT CP0603

R SUPPLEMENT - PRICES AND AVAILABILITY

R The prices (if shown) are for estimating purposes only and as such are given in good
R faith, without commercial liability for advanced planning purposes only. Refer to
R IAE Spares and/or current price catalogue for current prices.

R 1. Modification Kit:

R Not applicable.

R 2. Parts required:

R			Unit Price
R	Part No.	Description	US Dollars
R	6A5273	Tube assy	679.00
R	4W0103	Bolt	6.94
R	K8831	Washer	0.28
R	4W0001	Nut	3.97