



SERVICE BULLETIN

ENGINE - FUEL AND CONTROL - FUEL AND CONTROL - INTRODUCE A REVISED ELECTRICAL CONNECTOR
COOLING SHIELD BRACKET - CATEGORY CODE 4 - MOD.ENG-73-0008

1. Planning InformationA. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500 A1 Engines incorporating Service Bulletin
V2500-ENG-75-0005

B. Reason

(1) Condition

The existing air deflector bracket fitted to deflect the cooling air onto the 7/10th stages cabin air valve electrical connector, could foul the servo pipe which feeds the cabin air valve, also the upper edge of this bracket may not provide sufficient clearance with the valve body.

(2) Objective

The incorporation of this Service Bulletin (Modification) is designed to maintain engine reliability.

(3) Substantiation

It is considered that the changes introduced by this modification will be satisfactory.

(4) Effect of Bulletin on:

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

(5) Supplemental Information

None

C. Description

- (1) The changes introduced by this Service Bulletin are as follows:

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(A) A modified air deflector bracket is introduced with the upper edge reduced in height by 0.078in. (2,00 mm) and includes a chamfer on the adjacent upper corner.

(4) Existing air deflector brackets can be reworked see fig 1.

D. Approval

The part number changes and/or part modifications described in sections 2 and 3 of this Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA – APPROVED for the Engine Model listed.

E. Compliance

Category Code 4

Accomplish at the first visit of an engine or module to a maintenance base capable of compliance with the accomplishment instructions regardless of the planned maintenance action or the reason for engine removal.

F. Manpower

Estimated Manhours to include the complete Service Bulletin

Venue

Estimated Manhours

(1) In Service

Not applicable

(2) At Overhaul (Note: The parts affected by this Service Bulletin are accessible at overhaul).

(a) To accomplish rework and reident
of the Air deflector bracket .. 0 hours, 30 minutes

G. Material – Price and Availability

(1) Modification kit not required.

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

H. Tooling – Price and Availability

Special tools are not required

I. Weight and Balance

(1) Weight change None

(2) Moment arm No effect



- (3) Datum Engine front mount centreline
(Power Plant Station (PPS) 100)

J. Electrical Load Data

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

K. References

- (1) Internal Reference No.

89VR002B

L. Other Publications Affected

- (1) V2500 Illustrated Parts Catalog, 73-13-41.
- (2) V2500 Engine Manual, 72-40-00, Assembly, Disassembly, Inspection/Check, Removal-04 and Installation-07, 72-00-42 Removal and Installation, 71-52-44 Inspection/Check and 73-13-41 Inspection/Check.



2. Accomplishment Instructions

A. Rework Instructions

- (1) Rework 6A3996 Air Deflector bracket (Refer to 73-13-41 (Fig.item 01480 as follows:

Procedure	Supplementary Information	
(a) Mark out area to be removed	Refer to Fig 1	
(b) Remove the material to the 1.075 +/- 0.020in. dimension (27,30 +/- 0,5 mm)	Use hand tools	
(c) Produce the chamfer at 40 degrees true to the surface	Use hand tools	
(d) Remove the sharp edges and the burrs	Use hand tools	
(e) Crack test the bracket	SPM TASK 70-23-01-230-501	
(f) Re-number adjacent to the existing part number	Old Part Number	New Part Number
	6A3996	6A4115

B. Assembly Instructions

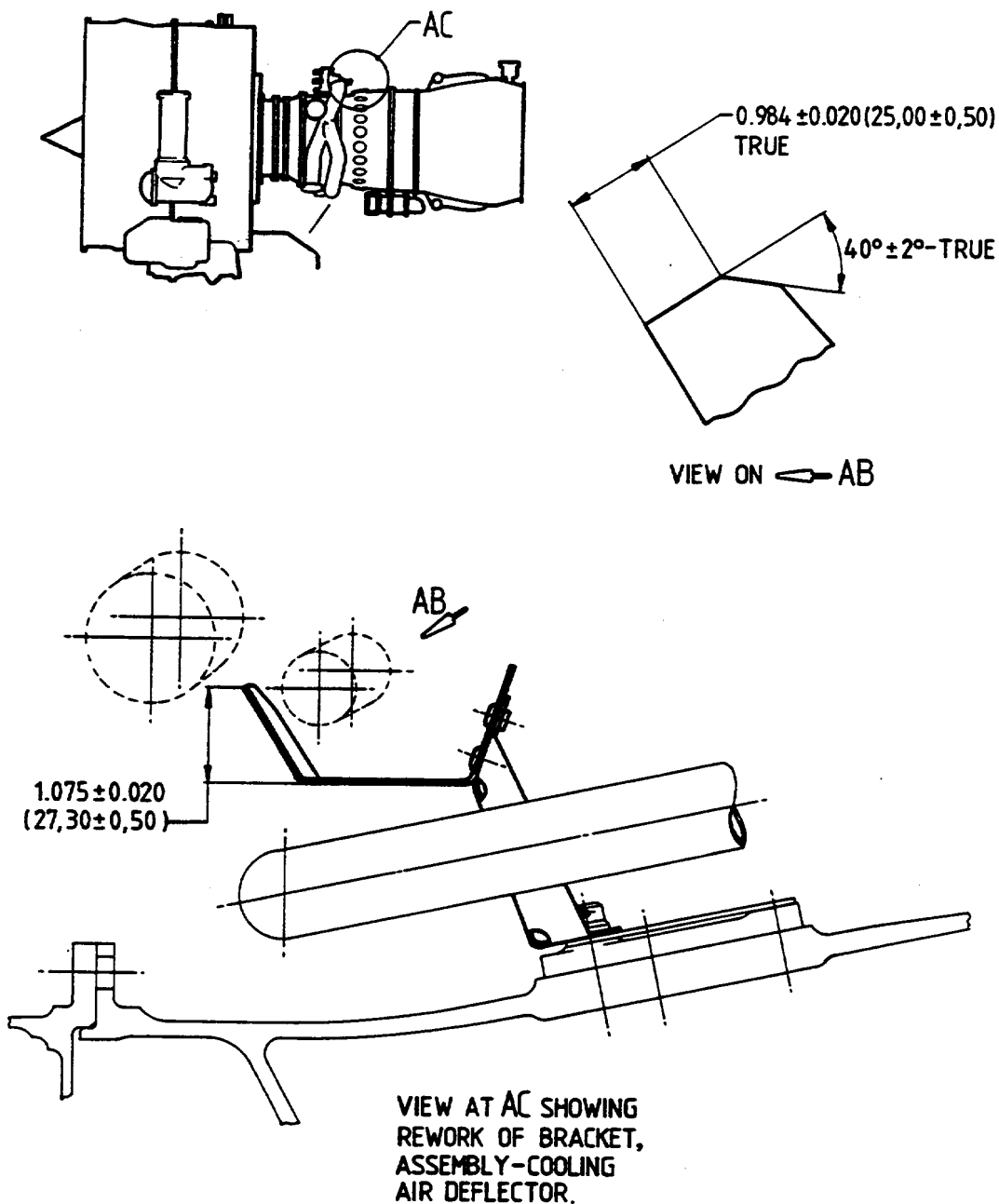
- (1) Remove the two forward bolts that attach the fuel nozzle to the diffuser case at the No.19 position.

NOTE: The fuel nozzles are identified from 1 to 20 in a clockwise direction from TDC when viewed from the rear.

Put the cooling air deflector bracket (6A4115) in position on the fuel nozzle with the top of the bracket adjacent to the electrical connector. Install the two bolts again and torque them to 65 to 85 lbfin (7,3 to 10 Nm).

C. Recording Instructions

- (1) A record of accomplishment is necessary.



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Modification of air deflector bracket
Fig.1



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3. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
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Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this bulletin:

None

B. Parts affected by this bulletin:

6A4115	1	-	Bracket A/O	6A3996	(1D)(S1)(A)
(73-13-41)			Air deflector	(01-480)	

C. Instruction/Disposition code statements:

- (1D) Old part can be re-worked and re-identified to the new part number.
- (S1) New part can be fitted in place of old part but not visa versa.
- (A) New part is currently available.

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