



ENGINE - FUEL AND CONTROL - FUEL - REPLACE THE FUEL DIVERTER AND RETURN VALVE ATTACHING WASHER - CATEGORY CODE 4 - MOD.ENG-73-0002

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines Serial No's. V0014 through V0046

B. Reason

(1) Condition

Insufficient clearance may occur between the Fuel Diverter and Return Valve attaching washers and the Fuel Diverter and return Valve housing.

This could cause improper installation of the Fuel Diverter and return Valve.

(2) Background

This condition has been noted when installing the Fuel Diverter and Return Valve to the Fuel Cooled Oil Cooler (FCOC).

Analysis has shown that too large outside diameter of the attaching washers could be the cause of this condition.

(3) Objective

To replace the attaching washers from larger size in outside diameter to smaller size in outside diameter to obtain correct clearance with the Fuel Diverter and return Valve housing.

(4) Substantiation

Substantiation test is not required.

(5) Effect of Bulletin on workshop procedure:

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

(6) Supplemental Information

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## SERVICE BULLETIN

None

C. Description

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

(a) The washers which attach the Fuel Diverter and return Valve have been changed from PN4W2622 to PN AN960-C416 (See Figure 1).

(2) New washers will be available for future replacement purposes.

D. 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.

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 incorporate the full intent of this Bulletin

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul:	Not applicable

G. Material - Price and Availability

(1) Modification Kit not provided. Parts supplied as single line items.

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

H. Tooling - Price and Availability

Special tools are not required to accomplish this Service Bulletin.

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**SERVICE BULLETIN****I. Weight and Balance**

- |                   |   |
|-------------------|---|
| (1) Weight Change | None  |
| (2) Moment Arm    | No effect   |
| (3) Datum         | Engine front mount centerline<br>(Powerplant Station (PPS) 100) |

**J. Electrical Load Data**

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

**K. References**

- (1) Internal Reference No.

EC89VJ009

- (2) Other References

Aircraft Maintenance Manual, 71-13-00, Maintenance Practises, 73-13-42, removal/Installation, 70-23-11, Torque Tightening Technique.

**L. Other Publications Affected**

- (1) V2500 Power Plant Illustrated Parts catalog, 73-13-42.
- (2) V2500 Engine Illustrated Parts Catalog 73-13-42.

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## 2. Accomplishment Instructions

### A. Prerequisite Instructions

- (1) Open the Left Fan Cowl (Refer to Aircraft Maintenance Manual, 71-13-00, Maintenance Practises, TASK 71-13-00-010-010).

### B. Rework Instructions

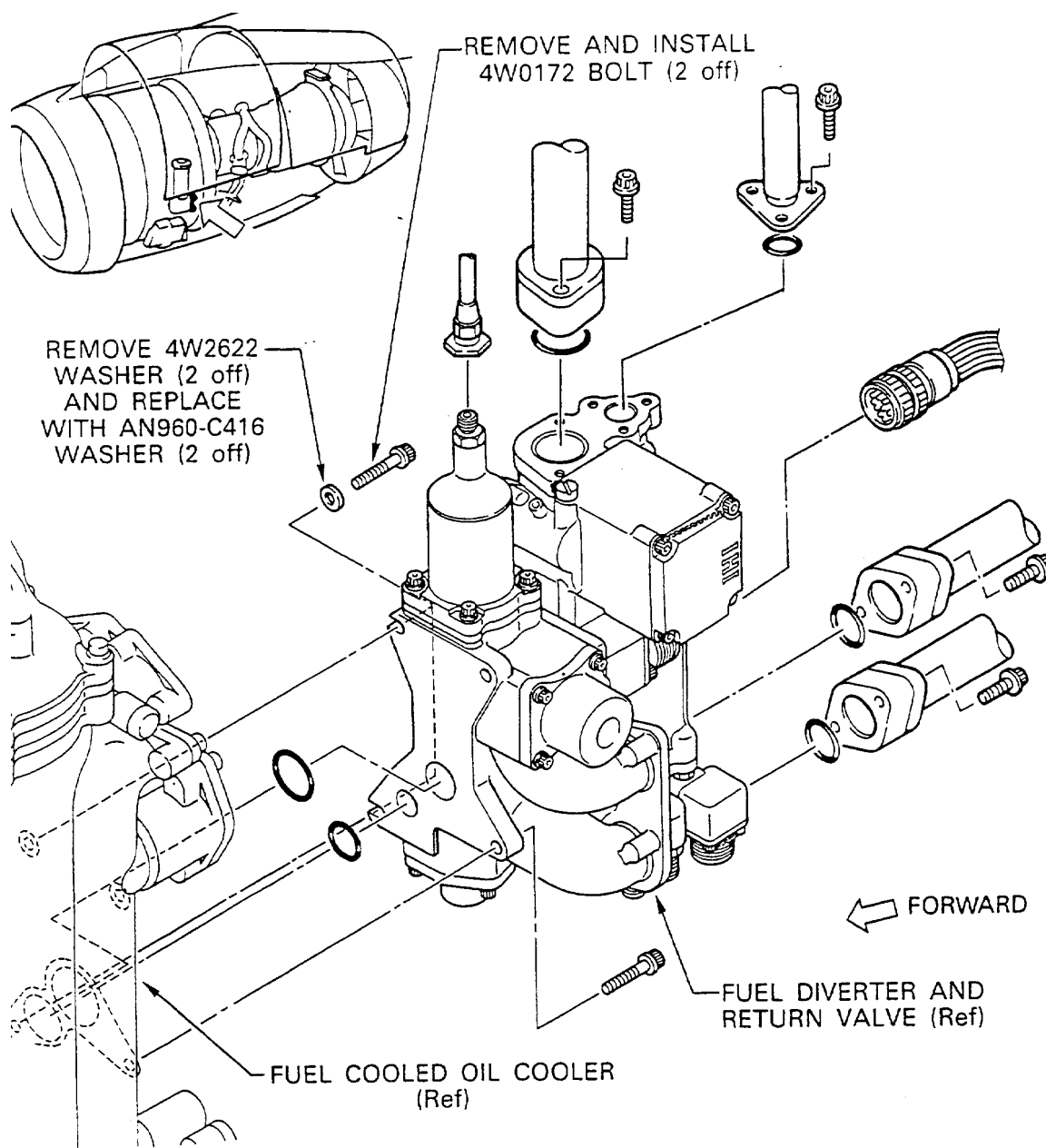
- (1) Remove two PN4W0172, Bolts and two PN4W2622, Washers from the Fuel Diverter and return Valve and Fuel Cooled Oil Cooler (FCOC) (Refer to Figure 1 and the Aircraft Maintenance Manual, 73-13-42, Removal/Installation).
- (2) Install two new PN AN960-C416, Washers and two PN4W0172, Bolts to the Fuel Diverter and return Valve and the FCOC (refer to Figure 1 and the Aircraft Maintenance Manual, 73-13-42, removal/Installation).
- (3) Torque the two bolts to 85-95 lbfin (9,60-10,73 Nm) (Refer to Aircraft Maintenance manual, 70-23-11, Torque Tightening technique).

### C. Post-Requisite Instructions

- (1) Close the Left Fan Cowl (Refer to Aircraft Maintenance Manual, 71-13-00, maintenance Practises, TASK 71-13-00-410-010).

### D. Recording Instructions

A record of accomplishment is necessary.



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Rework of the fuel diverter and return valve attaching washer  
Fig.1

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## SERVICE BULLETIN

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:

AN960C416 (73-13-42)	2	.04	Washer	4W2622 (01-125)	(A) (B)
4P0310 (72-60-23)	1	-	.Shroud	- (01-410)	(A)(S1)

C. Instruction/Disposition Code Statements:

(A) new part is currently available for sale.

(B) Old part will continue to be available for sale on the other applications.

NOTE: The Estimated 1989 Unit Price shown are provided for planning purposes only and do not constitute a firm quotation. Contact IAE's Spare Parts Sales Department for information concerning firm prices.

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