



SERVICE BULLETIN

OIL - REPLACE THE FUEL COOLED OIL COOLER (FCOC) MOUNT BRACKET - CATEGORY CODE 4 - MOD.ENG-79-0021

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines prior to Serial No.V0146

B. Reason

(1) Condition

Fretage of the Fuel Cooled Oil Cooler (FCOC) mount brackets could occur.

(2) Background

The FCOC mounting bracket and pin had been found to be worn at hard cyclic test engine.

(3) Objective

To prevent possible fretage and obtain the sufficient durability of the bracket together with the bush and the pin.

(4) Substantiation

Substantiation is not necessary.

(5) Effects of Bulletin on workshop procedures:

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
	(See Supplemental Information)
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

- (a) The Inspection/Check procedure will be revised to incorporate the new parts which are treated with anti-fretting coating.

C. Description

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

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- (a) The anti-fretting coating is applied to the pin and bushing.
- (b) The material of the brackets is changed.
- (c) Fit clearances are reduced between the pin and the bracket and between the bushing and the bracket.

D. Approval

The part number changes and/or part modifications described in Sections 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	TOTAL 2 hours 11 minutes
(a) To gain access	
(i) Open the left fan cowl door	7 minutes
(b) To embody	
(i) Remove the F.C.O.C.	45 minutes
(ii) Remove the old bracket	2 minutes
(iii) Install the new bracket	2 minutes
(iv) Install the F.C.O.C.	52 minutes
	TOTAL 1 hour 41 minutes
(c) To return to flyable status	

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(i) Prime the engine oil system	8 minutes
(ii) Carry out a leak check on the engine oil system	8 minutes
(iii) Close the fan cowl doors	7 minutes
TOTAL	23 minutes

(2) At overhaul

Not applicable no additional time required to maintain the new configuration.

G. Material Price and Availability

- (1) Modification Kit not required.
- (2) See Material Information section for price 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 load.

K. Reference

- (1) Internal Reference No.

EC89VJ075
- (2) Other References

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A320 Aircraft Maintenance Manual, 79-21-43, Removal/Installation.

V2500 Engine Manual, 72-00-32, Removal/Installation.

V2500 Illustrated Parts Catalogue, 79-21-43.

L. Other Publications Affected

(1) V2500 Illustrated Parts Catalog, 79-21-43.

(2) V2500 Power Plant Illustrated Parts Catalog, 79-21-43.



2. Accomplishment Instructions

A. Prerequisite Instructions

NOTE: For uninstalled engines (without Fan Cowl) this step is not applicable).

- (1) Open the Left Fan Cowl refer to Aircraft Maintenance Manual TASK 71-13-00-010-010.
- (2) Remove the Fuel Cooled Oil Cooler refer to Aircraft Maintenance Manual TASK 79-21-43-401-010.

B. Removal Instructions

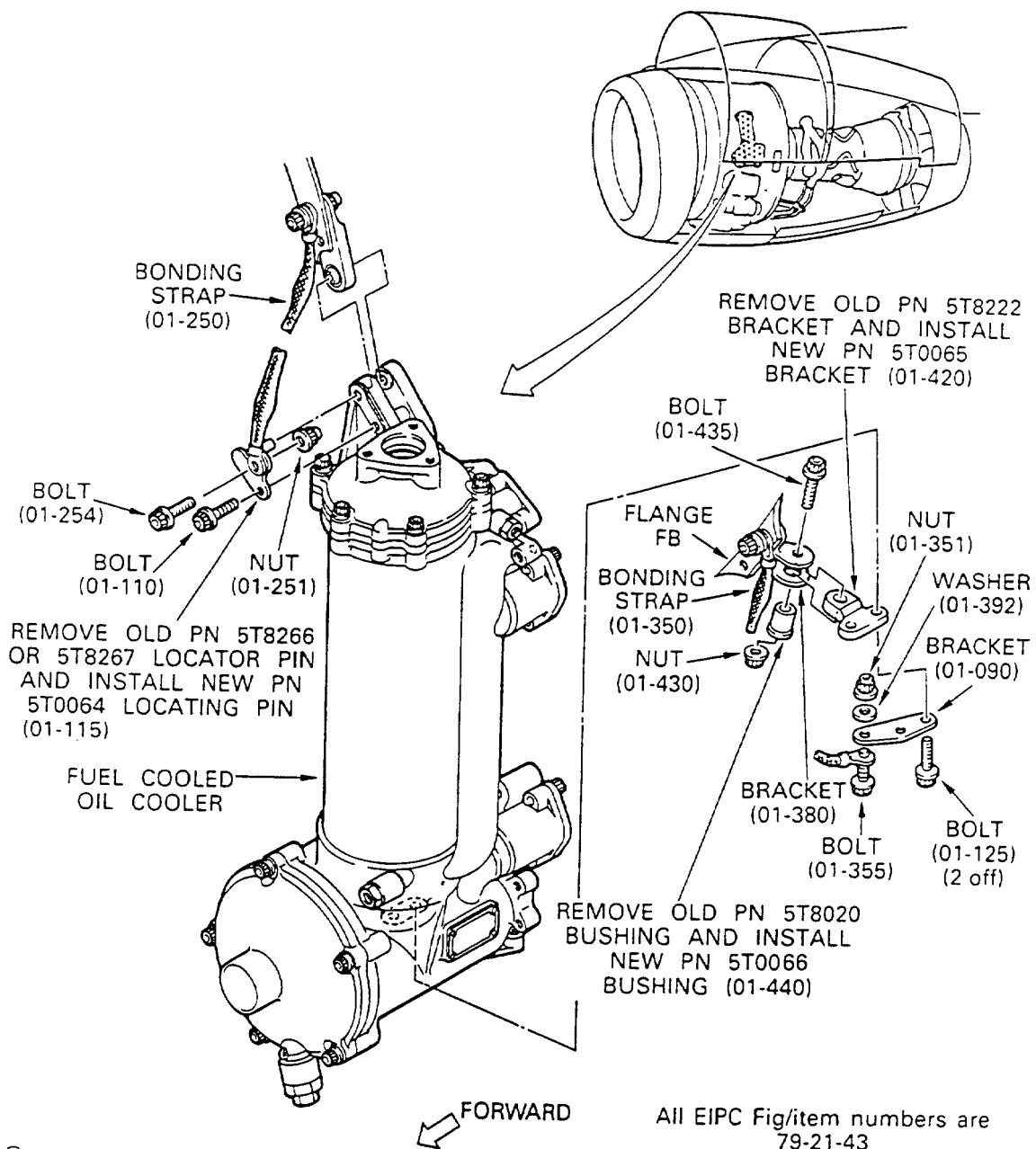
- (1) Remove the two bolts (79-21-43, 01-125), the Bracket (79-21-43, 01-090) and the old 5T8222, Bracket (79-21-43, 01-420). Refer to Figure 1.
- (2) Replace the old 5T8267 or 5T8266, Pin, Locator (79-21-43, 01-115) with the new 5T0064 Pin, Locating. Refer to Figure 1.
- (3) Replace the old 5T8020, Bushing (79-21-43, 01-440) with the new 5T0066 Bushing. Refer to Figure 1.

C. Installation Instructions

- (1) Install the bracket (79-21-43, 01-090) and the new 5T0065 Bracket (79-21-43, 01-420) to the FCOC with the two Bolts (79-21-43, 01-125) and torque the bolts to between 85 and 105 lbfin (10 and 12 Nm).

D. Postrequisite Instructions

- (1) Install the FCOC refer to Aircraft Maintenance Manual, TASK 79-21-43-400-010.
- (2) Close the Left Fan cowl refer to Aircraft Maintenance Manual, TASK 71-13-00-410-010.



FCOC Mount Bracket, Pin and Bushing
Fig.1

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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
5T0064 (79-21-43)	1	439.00	Pin, Locating FCOC	5T8267 or 5T8266 (01-115)	(A)(B)(S1)
5T0065 (79-21-43)	1	203.00	Bracket, Assy, FCOC	5T8222 (01-420)	(A)(B)(S1)
5T0066 (79-21-43)	1	23.00	Bushing	5T8020 (01-440)	(A)(B)(S1)

C. Instruction/Disposition Code Statements:

- (A) The new part is currently available.
(B) The old part is no longer available for sale.
(S1) The new part may be fitted in lieu of the old part but not vice-versa.

NOTE: The Estimated 1990 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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