



OIL - INCORPORATE NEW NO.5 BEARING OIL FEED TUBE SUPPORT BRACKET ATTACHING BOLTS -
CATEGORY CODE 4 - MOD.ENG-79-0012

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engines Serial No.s through V0106

B. Reason

(1) Condition

Insufficient clearance may exist between the No.5 bearing oil feed tube and the bolts attaching to the the bracket.

(2) Background

The above condition has been seen in several development engines.

(3) Objective

To obtain sufficient clearance and maintain the engine reliability.

(4) Substantiation

Substantiation is not required.

(5) Effect of Bulletin on the following shop functions:

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

C. Description

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

- (a) The new bolts of hexagon head type are introduced in lieu of the existing bolts of double hexagon head type.
- (b) This provides sufficient clearance, approximately 0.25in. (6,35 mm).

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D. Approval

The Part Number Change and/or part modification 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	
(a) To gain access	
(b) To embody	
(c) To return part to flyable status	
Total:	<u>12 minutes</u>
(2) In shop	Not applicable

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

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(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.

EC89VJ040

(2) Other References

V2500 Aircraft Maintenance Manual

V2500 Engine Illustrated Parts catalog

V2500 Standard Practices/Processes Manual

L. Other Publications Affected

(1) V2500 Power Plant Illustrated Parts Catalog, Chapter/Section 79-21-49, Figure 16, will be revised to add the new part.

(2) V2500 Engine Illustrated Parts Catalog, Chapter/Section 79-21-49, Figure 16, will be revised to add the new part.



2. Accomplishment Instructions

A. Prerequisite Instructions

- (1) Open the Thrust Reverser Half (Refer to Aircraft Maintenance Manual, TASK 78-32-00-010-010)

NOTE: For uninstalled engines (without the Thrust Reverser Half), this step is not applicable.

B. Rework Instructions

- (1) Remove 4W0103, Bolts (79-21-49, 16-072) (2 off) from the engine.
- (2) Install 4W1183, Bolts (79-21-49, 16-072) (2 off) in position of the engine and torque the bolts to 36 to 45 lbfin (4,00 to 5,00 Nm).

NOTE: Lubricate all threads and abutment faces of the bolts with CoMat 10-039 engine oil.

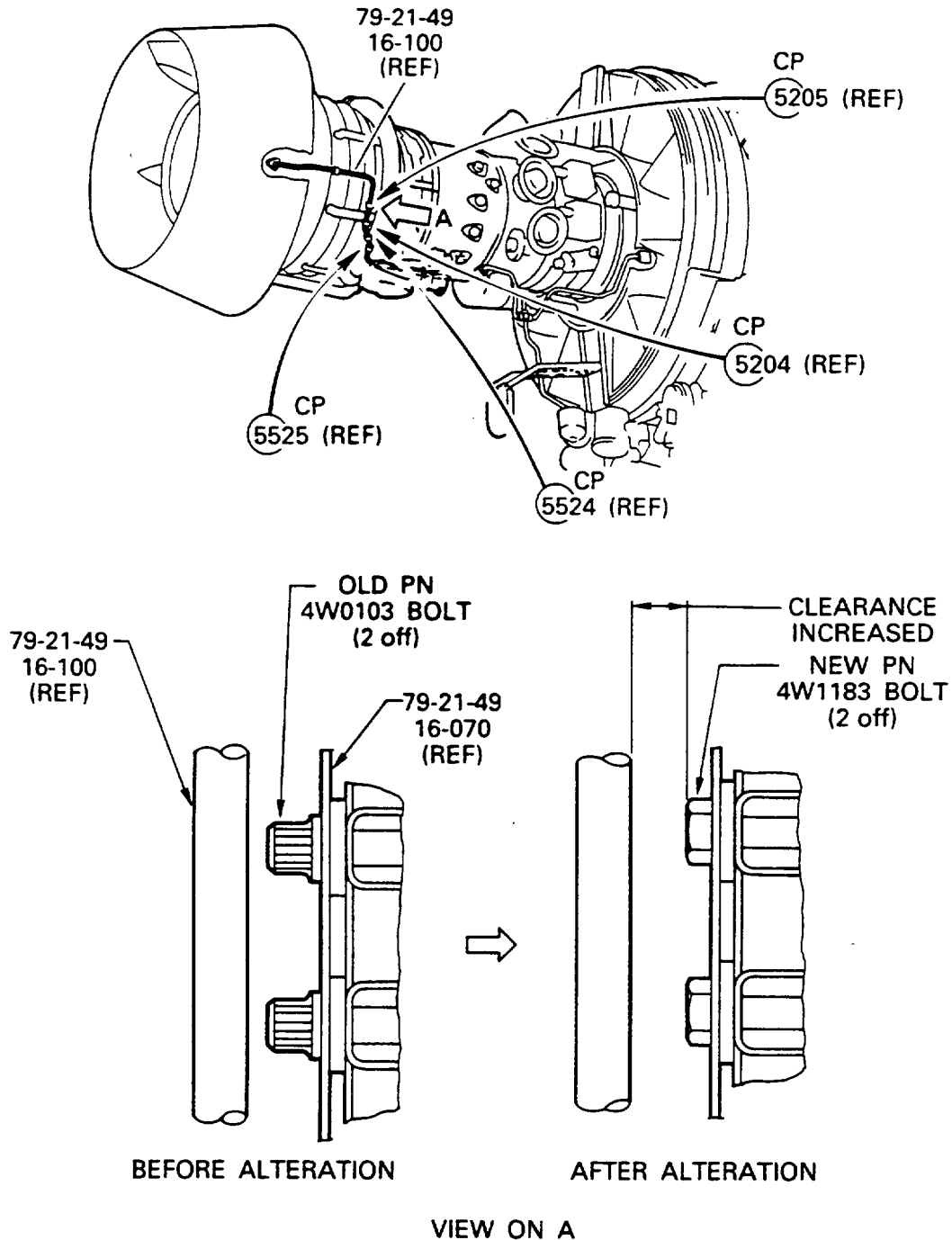
C. Postrequisite Instructions

- (1) Close the Thrust Reverser Half (Refer to Aircraft Maintenance Manual, TASK 78-32-00-410-010).

NOTE: For uninstalled engines (without the Thrust Reverser Half), this step is not applicable.

D. Recording Instructions

- (1) A record of accomplishment is necessary.



Replacement of attaching bolts
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:

4W1183 (79-21-49)	1	1.48	Bolt	4W0103 (16-072)	(A)(S1)(1D)
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C. Instruction/Disposition Code Statements:

- (A) The new parts are currently available.
- (1D) The old parts will continue to be used for other application of this engine. Do not discard them.
- (S1) The new part may be used in sets in place of the old parts, but not vice versa.

NOTE: The estimated 1990 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.

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