



ENGINE - LP COMPRESSOR - BORESCOPE INSPECTION FOR NO.1 OIL FEED TUBE - CATEGORY CODE 4
- MOD.ENG-72-0184

1. Planning Information

A. Effectivity

(1) Aircraft: Airbus A320

(2) Engine: V2500-A1 engines listed below:

Engine Serial - V0003, V0004, V0005, V0006, V0012, V0013, V0014
V0015, V0016, V0017, V0019, V0020, V0022, V0023
V0024, V0025, V0026, V0027, V0028, V0029, V0034
V0038, V0039, V0043, V0068, V0069, V0156, V0157
V0260, and V0279.

B. Reason

The engine serial numbers listed above could have an No.1 oil feed tube (72-32-42,01-100) incorrectly installed. This condition was found on engine V0018. The purpose of this Service Bulletin is to make sure that the tube is installed correctly in the Sub oil distributor, (72-32-36,01-400).

C. 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 reason for engine removal.

D. Approval

The 'compliance' statement and the procedures described in paragraph F 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. References

(1) Internal Reference No.

EC93VJ704

(2) Other References

Engineering Change 93VJ704.

A320 Aircraft Maintenance Manual.

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A320 Engine Manual.

F. Action

- (1) Open the right Fan Cowl in accordance with the approved procedures in Reference (2), TASK 71-13-00-010-010.
- (2) Remove the 5A8748, tube 169.
 - (a) Remove the bolt, the washer, the nut, spacer and the clip at the clip position 1017 (Refer to Figure 1).
 - (b) Remove the bolt, the washer, the clipnut and the clip at the clip position 1016 (Refer to Figure 1).
 - (c) Disconnect the tube 169 (Refer to Figure 2).
 - (1) Remove the lockwire which safeties the tube nut of the oil tube 125.
 - (2) Disconnect the tube 169 from the tube 125 with the IAE 1R18003, wrench.
 - (d) Remove the three 4W0174, bolts and remove the tube 169.

NOTE: Do not remove the hot vent tube from the engine.
 - (e) Remove the AS43013-120, sealing ring from the tube 169. Discard the sealing ring.
- (3) Put the IAE 6F10408, borescope or equivalent into position in the front bearing compartment (Refer to Figure 3).
 - (a) Put the borescope into the position through the hot vent tube and the No.3 strut.
 - (b) Adjust the borescope position to see the No.1 bearing oil feed tube.
- (4) Do a check for engagement of the 5A0995, No.1 bearing oil feed tube with the 5A0328, sub oil distributor (Refer to Figure 3).
 - (a) If the No.1 bearing oil feed tube is disengaged from the sub oil distributor, you must ask IAE further instruction.
- (5) Remove the borescope from the engine.
- (6) Install the 5A8748, tube 169.



- (a) Make sure that the hot vent tube is installed in the engine (Refer to Figure 2). If it is not installed, install it into the engine in accordance with the approved procedures in Reference (3), TASK 72-32-00-430-011.
- (7) Install the new AS43013-120, sealing ring.
 - (a) Lubricate the sealing ring with CoMat 10-077 approved engine oil.
 - (b) Install the sealing ring in to the groove in the tube 169.
- (8) Install the tube 169 to the hot vent tube with the three 4W0174, bolts, Tighten the bolts lightly (Refer to Figure 2).
- (9) Install the clip around the tube 169 at the clip position 1016, (Refer to Figure 1) and Install them to the bracket with the bolts, the washer, and the clipnut. Tighten the bolt lightly.
- (10) Torque the three 4W0174, bolts to 85 to 105 lbfin (10 to 12 Nm).
- (11) Torque the 4W0102, bolt at the clip position 1016 to 36 to 45 lbfin (4 to 5 Nm).
- (12) Connect the tube 169 to the tube 125.
- (13) Torque the tube 125 nut to 566 to 611 lbfin (64 to 69 Nm) with IAE 1R18003 wrench. Safety the tube 125 nut with CoMat 02-126 lockwire.
- (14) Install the clip around the harness at the clip position 1017 and install them to the tube 169 with the bolt, the washer, the spacer and nut.
- (15) Torque the 4W0116, bolt to 36 to 45 lbfin (4 to 5 Nm).
- (16) Close the right Fan Cowl in accordance with the approved procedures in Reference (2), TASK 71-13-00-410-010.

G. Recording Instructions

- (1) A record of accomplishment is necessary.

H. Consumable Material required to incorporated this Service Bulletin:

CoMat 02-126	Lockwire
CoMat 10-077	Engine oil

I. Special tool required to incorporated this Service Bulletin:

Part Number	Nomenclature	Qty
IAE 1R18003	Wrench	1 off
IAE 6F10408	Borescope equipment	1 off

NOTE: A borescope other than IAE 6F10408 can be used if it agrees with the following specifications.

- Flexible type
- Working length : Longer than 31.5 in (800 mm)
- Diameter : Less than 0.6 in dia (15 mm dia)
- Optical adapter : Side viewing

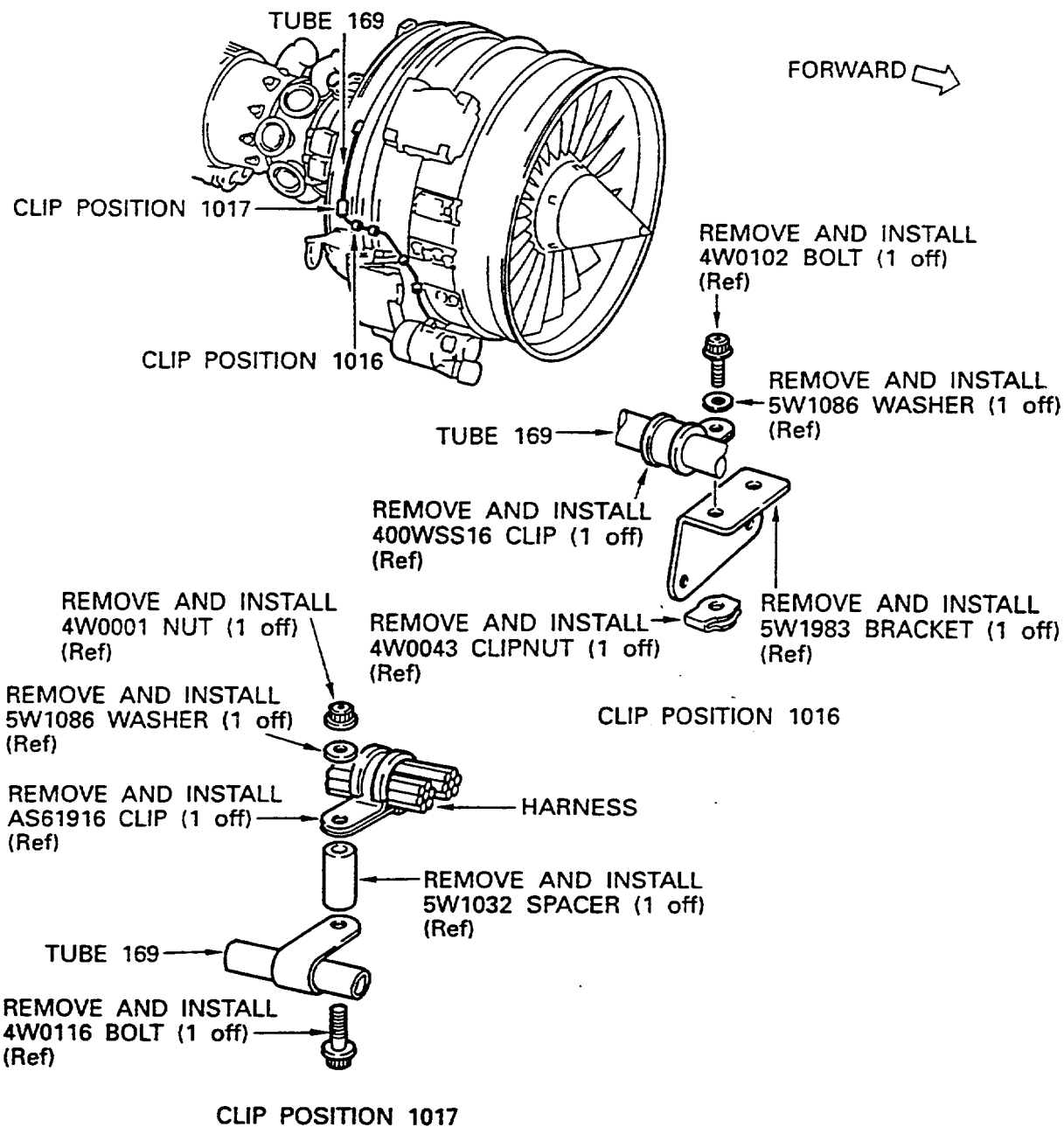
J. Expendable parts required to incorporated this Service Bulletin.

Part Number	Nomenclature	Qty
AS43013-120	Sealing ring	1 off



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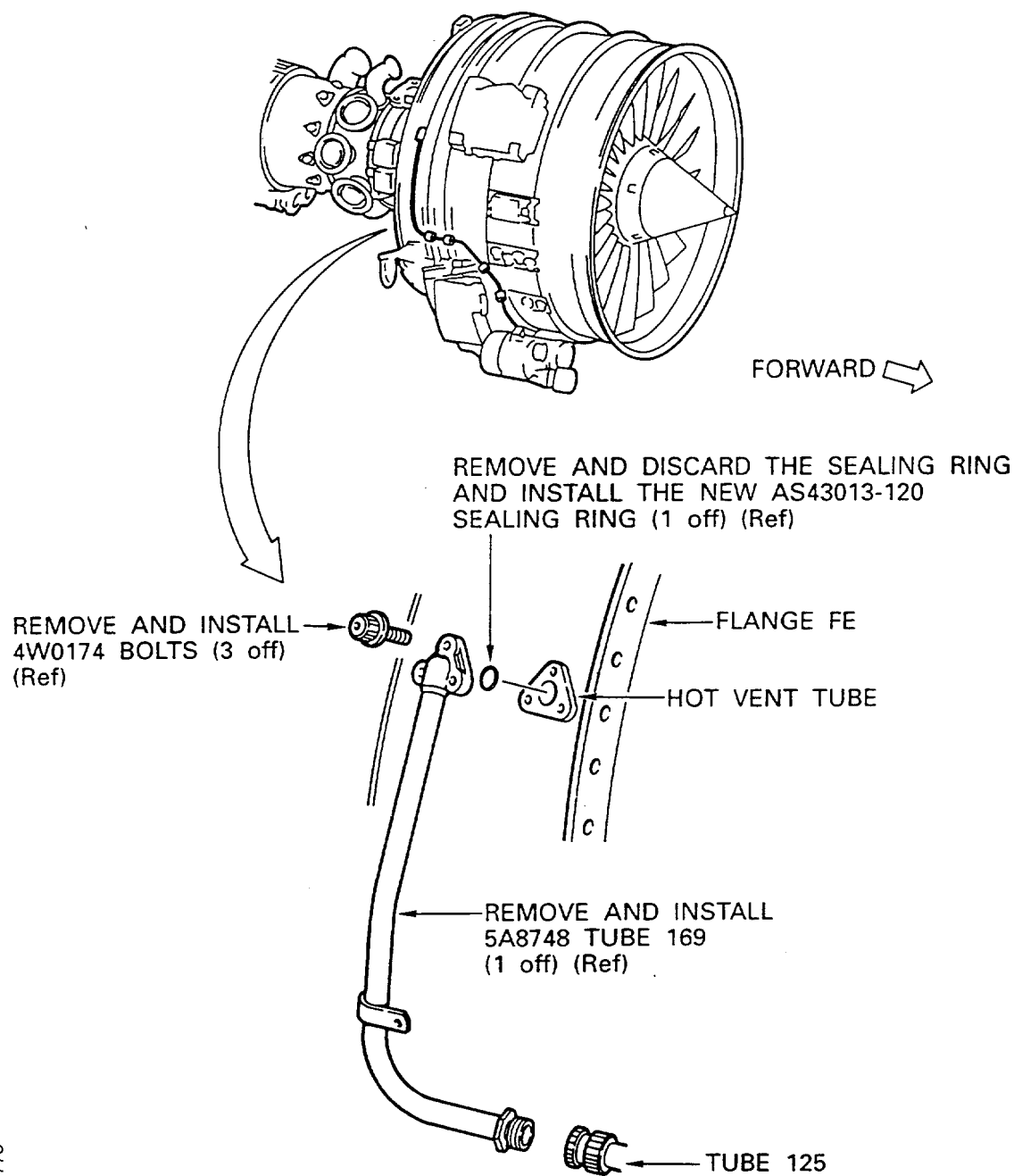
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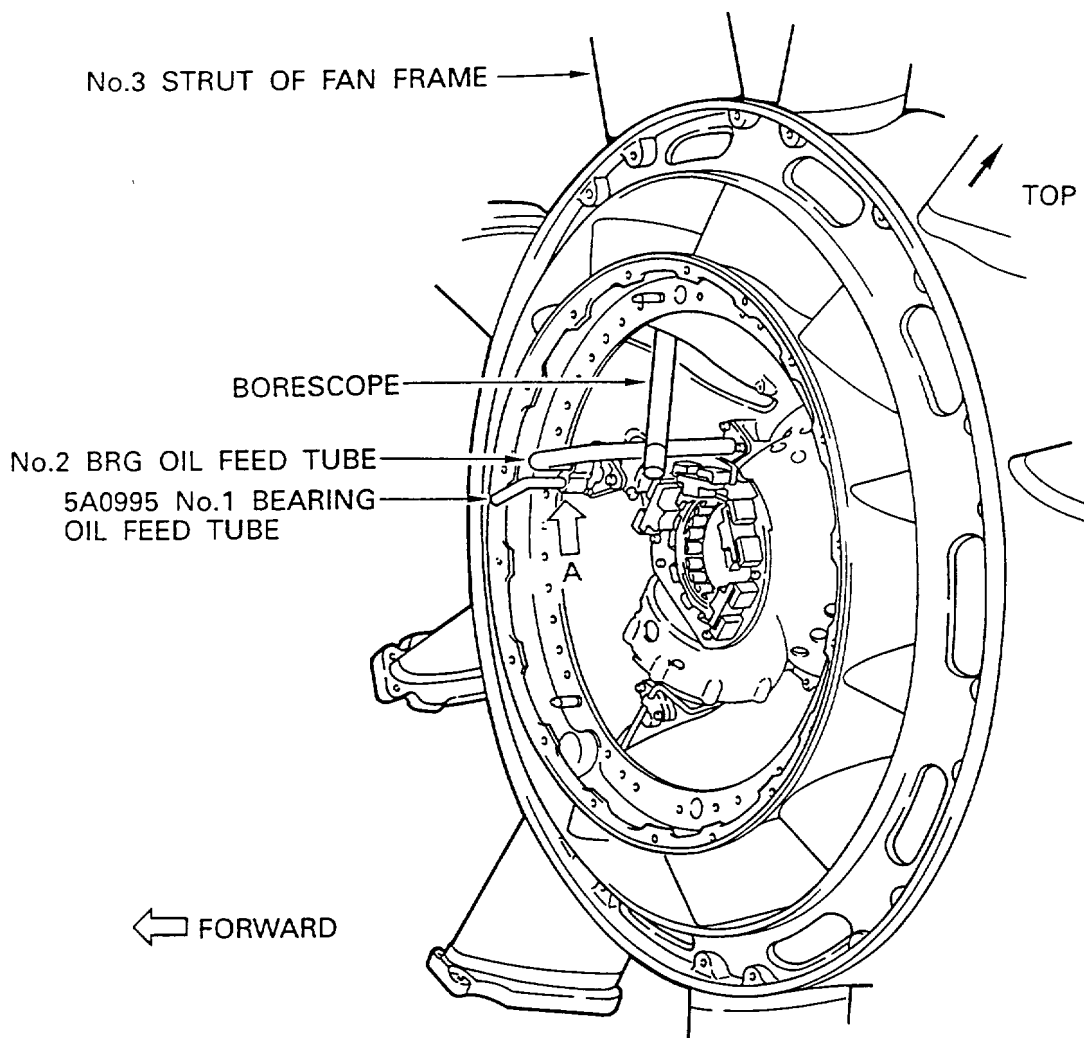
Clip positions around Tube 169
Fig.1

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Removal/Installation of Tube 169
Fig.2

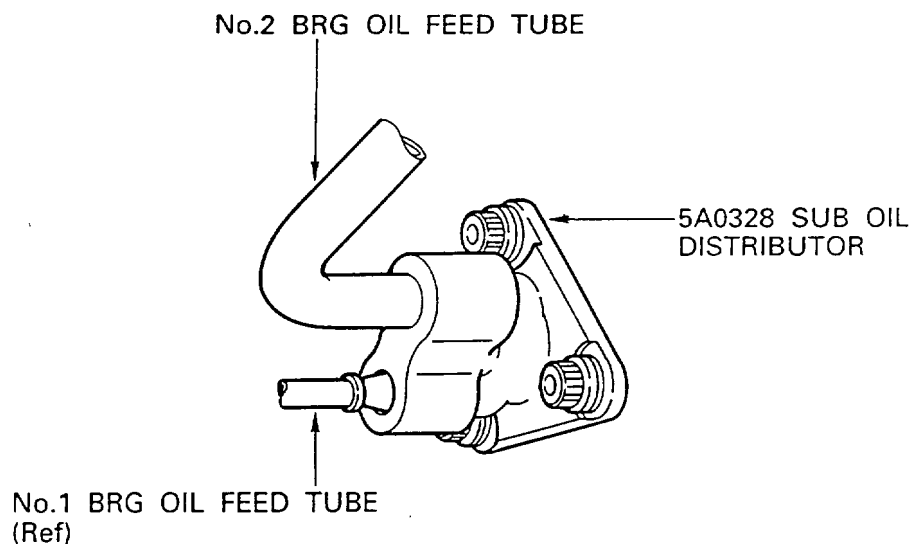
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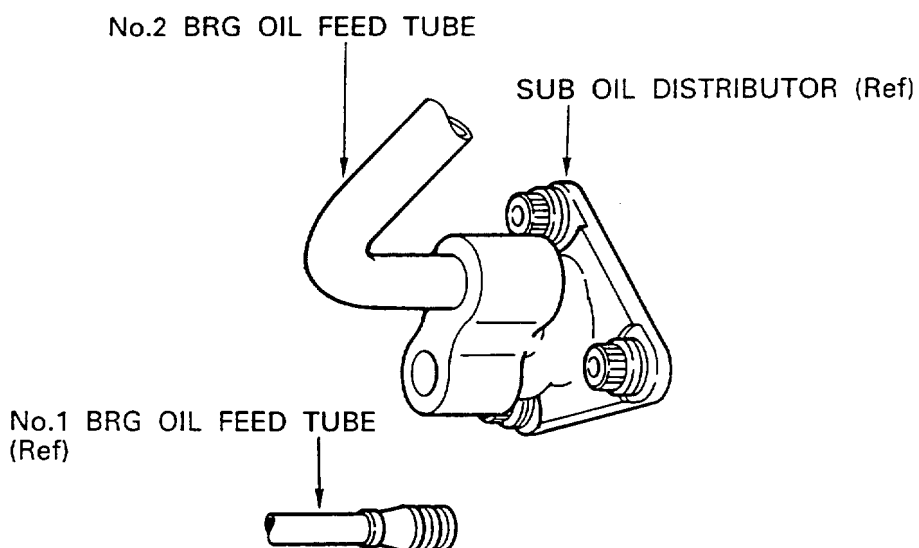
Borescope Inspection
Fig.3 (Sheet 1 of 2)

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CORRECT ENGAGEMENT OF No.1 BRG OIL FEED TUBE



DISENGAGEMENT OF No.1 BRG OIL FEED TUBE

VIEW A

Borescope Inspection
Fig.3 (Sheet 2 of 2)

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