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V2500-A5 SERIES PROPULSION SYSTEM NON-MODIFICATION SERVICE BULLETIN

This document transmits the Revision 1 of Non-Modification Service Bulletin V2500-ENG-71-0315.

Document History

Non-Modification Service Bulletin Revision Status	Supplement Revision Status
Initial Issue.	Mar.17/09

Non-Modification Service Bulletin Revision 1

Remove	Incorporate	Reason for change
All pages of the Non-Modification Service Bulletin.	Pages 1 to 8 of the Non-Modification Service Bulletin.	To revise the effectivity.

V2500-ENG-71-0315

Transmittal - Page 1 of 1

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
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NON-MODIFICATION SERVICE BULLETIN – POWERPLANT – EBU – HYDRAULIC SUCTION LINE AND
FUEL RETURN LINE HOSES – INSPECTION FOR APPLICATION OF PROPER TORQUE

1. Planning Information

A. Effectivity

(1) Airbus A319

(a) V2522-A5, V2524-A5, V2527M-A5.

R All A5 affected Engines and DPPs prior to DPP S/N 9751001.

(2) Airbus A320

(a) All V2500-A1.

R All A1 affected Engines and DPPs prior to DPP S/N 9751001.

(b) V2527-A5, V2527E-A5.

R All A5 affected Engines and DPPs prior to DPP S/N 9751001.

(3) Airbus A321

(a) V2530-A5, V2533-A5.

R All A5 affected Engines and DPPs prior to DPP S/N 9751001.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

(a) Following a review of the Hydraulic Suction Lines installation torque and system operating requirements, and in the absence of a lockwire requirement, it was determined that an inspection for proper torque on the affected engines was the responsible course of action.

(b) Following a review of the Fuel Return Line installation torque and system operating requirements, and in the absence of a lockwire requirement, it was determined that an inspection for proper torque on the affected engines was the responsible course of action.

(2) Evidence

There is no evidence to show that any airline has experienced system leakage, however slight, due to any deviation in the initial torque applied during production assembly.

(3) Substantiation

All hardware changes have been substantiated by satisfactory engineering analysis.

(4) Objectives

The torque inspection, and adjustment if required, will provide assurance that the connections are properly secured on affected engines.

(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Not affected.

(d) Repair Scheme

Not affected.

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

(6) Supplemental Information

None.

D. Description

The affected Hydraulic Suction and Fuel Return Lines are torque inspected. If necessary, a reapplication of proper torque is accomplished on affected engines.

E. Compliance**Category 4**

Accomplish at the first visit of the nacelle or nacelle component to a maintenance base capable of compliance with the accomplishment instructions regardless of the planned maintenance action for the nacelle or component.

F. Approval

The technical content of this Non-Modification Service Bulletin has been approved under the authority of the EASA Design Organization Approval No. EASA.21J.031.

The authorizing IAE document is EC 08VN304.

G. Manpower

Estimated man-hours to incorporate the full intent of this Non-Modification Service Bulletin on one engine.

(1) In Service

1 hour.

(2) At Overhaul

1 hour.

NOTE: Manpower estimate is provided for planning purposes only. No labor reimbursement is provided under the terms of this Non-Modification Service Bulletin.

H. Material Price and Availability

Kit is not required.

I. Tooling and Availability

None.

J. Industry Support Information

Not applicable.

K. Weight and Balance

Not affected.

L. Electrical Load Data

Not applicable.

M. Software Accomplishment Summary

Not applicable.

N. References

- (1) Airbus A319/A320/A321 Aircraft Maintenance Manual, Chapter/Sections 29-11-49, 29-13-49 and 73-11-48.
- (2) IAE Overhaul Processes And Consumable Index (PCI-V2500-1IA) Section II.
- (3) IAE Engineering Change 08VN304.
- (4) ATA Chapters - 29-11-49, 29-13-49 and 73-11-48.

O. Other Publications Affected

None.

P. Interchangeability of Parts

None.

2. Material Information

None.

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3. Accomplishment Instructions

A. Pre-requisite Instructions

WARNING: DO NOT TOUCH THE ENGINE COMPONENTS FOR A SHORT TIME AFTER THE ENGINE IS SHUT DOWN. ENGINE COMPONENTS CAN STAY HOT AND CAN CAUSE INJURY.

WARNING: MAKE SURE THAT THE AIRCRAFT IS SAFE FOR MAINTENANCE. THIS WILL PREVENT INJURIES TO PERSONNEL AND/OR DAMAGE TO THE EQUIPMENT.

- (1) Open the Fan Cowl Doors. Refer to the Aircraft Maintenance Manual, Task 71-13-00-010-010.

B. Inspection Instructions

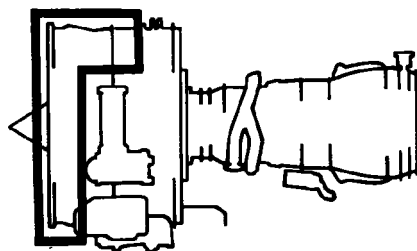
- (1) Using an appropriate torque wrench, verify the installation torque on the subject Hydraulic Suction Line connections, see Figure 1. Refer to the Airbus Aircraft Maintenance Manual, Chapter/Sections 29-11-49, Task 29-11-49-400-010, Subtask 29-11-49-420-050 for Engine No 1.
- (2) Using an appropriate torque wrench, verify the installation torque on the subject Hydraulic Suction Line connections, see Figure 1. Refer to the Airbus Aircraft Maintenance Manual, Chapter/Sections 29-13-49, Task 29-13-49-400-010, Subtask 29-13-49-420-050 for Engine No 2.
- (3) Using an appropriate torque wrench, verify the installation torque on the subject Fuel Line connections, see Figure 2. Refer to the Airbus Aircraft Maintenance Manual, Chapter/Sections 73-11-48, Task 73-11-48-400-010, Subtask 73-11-48-420-052.

C. Post-requisite Instructions

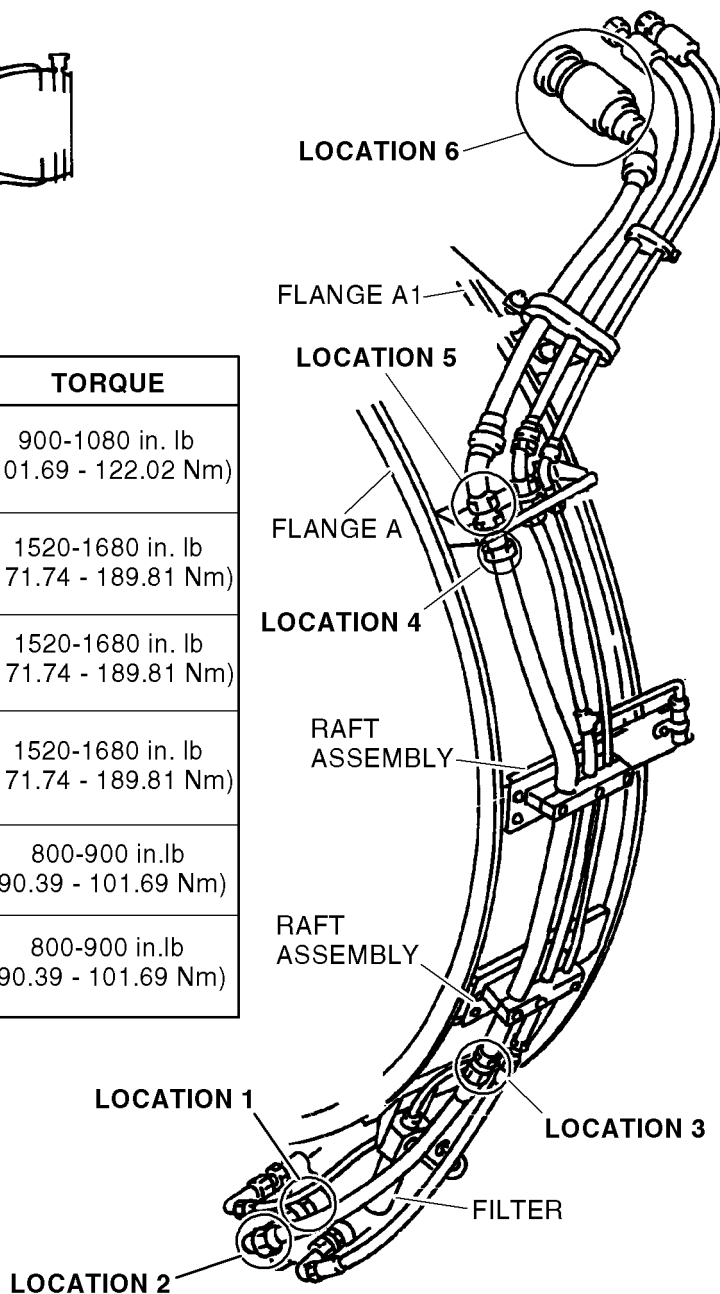
- (1) Close the Fan Cowl Doors. Refer to the Aircraft Maintenance Manual, Task 71-13-00-410-010.

D. Recording Instructions

- (1) A record of accomplishment is necessary. Write in the Aircraft Log Book that Service Bulletin V2500-ENG-71-0315 has been done.

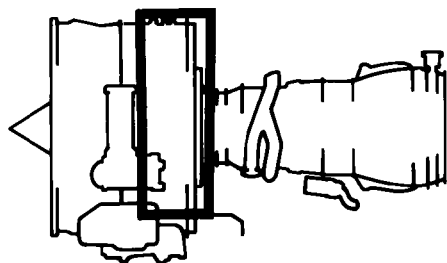


LOCATION	CONNECTIONS	TORQUE
6	AE81266P (COUPLING) TO AE707874-3 (HOSE)	900-1080 in. lb (101.69 - 122.02 Nm)
5	AE707874-3 (HOSE) TO MS21924-20 (UNION)	1520-1680 in. lb (171.74 - 189.81 Nm)
4	MS21924-20 (UNION) TO 740-5600 (TUBE)	1520-1680 in. lb (171.74 - 189.81 Nm)
3	740-5600 (TUBE) TO AE707874-2 (HOSE)	1520-1680 in. lb (171.74 - 189.81 Nm)
2	AE707874-2 (HOSE) TO AE96787N (COUPLING)	800-900 in.lb (90.39 - 101.69 Nm)
1	AE96787N (COUPLING) TO MS21924-20 (UNION)	800-900 in.lb (90.39 - 101.69 Nm)



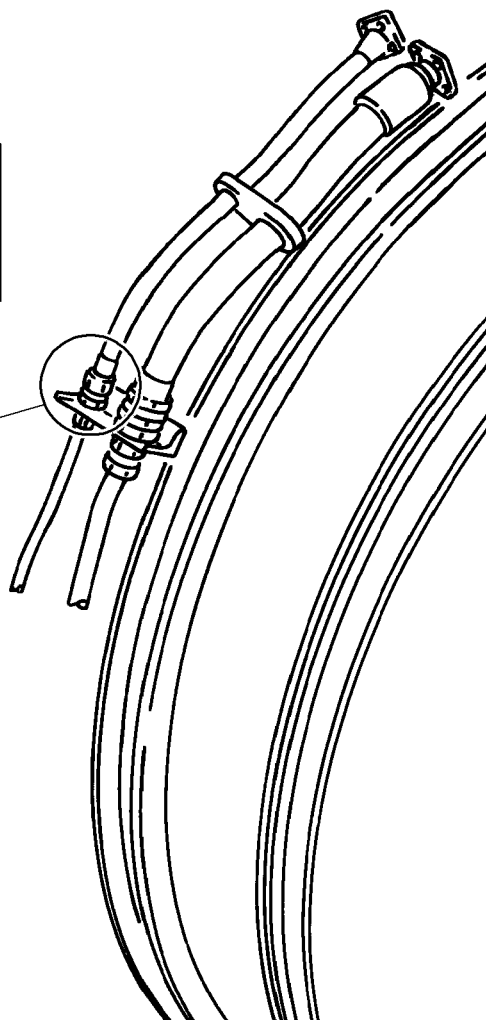
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Inspection for proper torque of Hydraulic Suction Lines installation
Figure 1



LOCATION	CONNECTIONS	TORQUE
7	MS21924-8 (UNION) TO AE707631-1 (HOSE)	470-510 in. lb (53.10 - 57.62 Nm)

LOCATION 7



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Inspection for proper torque of Fuel Return Line installation
Figure 2