



AIR - H.P. COMPRESSOR - VALVE SOLENOIDS - STAGE 7 HPC AND STAGE 10 HPC - INSPECTION OF TORQUE VALUES ON SOLENOID BODY UNION CONNECTIONS - CATEGORY CODE 4 - MOD.ENG-75-0032

1. Planning Information

A. Effectivity

(1) Aircraft : Airbus A320

(2) Engine : A2500-A1 Engines Serial Nos. V0003 through V0150, V0151, V0153, V0155 and V0159.

B. Reason

There is a possibility that on these engines incorrect torque tightening values of union connections on the solenoid bodies may result in air leakage.

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 the reason for engine removal.

D. Approval

The 'Compliance' statement and the procedure 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.

References

(1) Internal Reference No.

EC92VR712

(2) Other References

The A320/V2500 Aircraft Maintenance Manual.

The Dunlop Component Maintenance Manual.

F. Action

(1) On the aircraft panel 115VU put a warning notice to tell persons not to start the engine.

(2) Make sure that the engine has been shut down for at least 5 minutes.

V2500-ENG-75-0032



- (3) On the aircraft panel 50 VU make sure that the ON legend of the ENG FADEC GND PWR push button switch is OFF and install a warning notice.
- (4) Open the left and right fan cowl doors as instructed in the A320 Aircraft Maintenance Manual, TASK 71-13-00-010-010.
- (5) Find the 3 stage 7 HPC solenoid valve.
- (6) Cut and discard the lockwire and disconnect the HP3 air outlet tubes from the 3 solenoid valves, TASK 75-32-51-000-010.
- (7) Cut and discard the lockwire and disconnect the HP3 inlet tubes from the 3 solenoid valves, TASK 75-32-51-000-010.
- (8) Inspect the service union torque value to the 3 solenoid valves, re-torque to correct value if necessary. Refer to Dunlop Component Maintenance Manual, Sect.75-32-51.
- (9) Inspect the inlet union torque value to the 3 solenoid valves, re-torque to correct value if necessary. Refer to Dunlop Component Maintenance Manual, Sect.75-32-51.
- (10) Connect the HP3 air inlet tubes to the 3 solenoid valves, TASK 75-32-51-400-010.
- (11) Torque the 3 connectors, SUBTASK 75-32-51-430-401.
- (12) Safety the 3 connectors, SUBTASK 75-32-51-430-401.
- (13) Connect the HP3 air outlet tubes to the 3 solenoid valves, TASK 75-32-51-400-010.
- (14) Torque the 3 connectors, SUBTASK 75-32-51-430-402.
- (15) Safety the 3 connectors, SUBTASK 75-32-51-430-402.
- (16) Find the stage 10 HPC solenoid valves.
- (17) Cut and discard the lockwire and disconnect the HP3 air inlet tube from the solenoid valve.
- (18) Cut and discard the lockwire and disconnect the HP3 air outlet tube from the solenoid valve.
- (19) Inspect the service union torque value to the solenoid valve, re-torque to correct value if necessary. Refer to Dunlop Component Maintenance Manual, Sect.75-32-53.



- (20) Inspect the inlet union torque value to the solenoid valve, re-torque to correct value if necessary. Refer to Dunlop Component Maintenance Manual, Sect.75-32-53.
 - (21) Connect the HP3 air outlet tube to the solenoid valve, TASK 75-32-53-400-010.
 - (22) Torque the connector, SUBTASK 75-32-53-430-401.
 - (23) Safety the connector, SUBTASK 75-32-53-430-401.
 - (24) Connect the HP3 air inlet tube to the solenoid valve, TASK 75-32-53-400-010.
 - (25) Torque the connector, SUBTASK 75-32-53-410-400.
 - (26) Safety the connector, SUBTASK 75-32-53-410-400.
 - (27) Close the left and right fan cowl doors as instructed in the A320 Aircraft Maintenance Manual, TASK 71-13-00-410-010.
 - (28) Remove the warning notices from the aircraft panels 115 VU and 50 VU.
 - (29) Do a test of the 3 HPC stage 7 solenoid valves, TASK 71-00-00-700-012.
 - (30) Do a test of the HPC stage 10 solenoid valve, TASK 71-00-00-700-012.
- G. A record of accomplishment is necessary.

