



Customer : CFG
 Type : A318/A319/A320/A321
 Rev. Date : Aug 01/12

Manual: TSM
 Selected effectivity: ALL

28-00-00-810-801-A - Fuel Smell In Cabin

Fault Symptoms

** ON A/C ALL		28-00-00-810-801-A
Warnings/malfunctions		
ATA	Message	
< 28-00	CABIN AIR SMELLS OF FUEL	

Isolation Procedure

**** ON A/C ALL**

TASK 28-00-00-810-801-A
 Fuel Smell In Cabin

WARNING: OBEY THE FUEL SAFETY PROCEDURES.

1. Possible Causes
 - a fuel leak found below the cabin floor at the left (right) side of the fuselage frame 36/wing rib 1 intersection
2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 21-20-00-010-001	Removal of the Air-Conditioning Distribution Ducts
AMM 21-20-00-410-001	Installation of the Air-Conditioning Distribution Ducts
AMM 21-21-41-000-001	Removal of the Recirculation Filter
AMM 21-21-41-400-001	Installation of the Recirculation Filter
AMM 28-11-00-280-002	Structural Fuel Tank Leaks - General Information
AMM 53-32-12-000-002	Removal of the Cabin Floor Panels
AMM 53-32-12-400-002	Installation of the Cabin Floor Panels
SIL 57-086	
SIL 57-091	
SRM 571600	

3. Fault Confirmation
 - Subtask 28-00-00-210-050-A
 - A. Inspection/Test
 - (1) Do a visual inspection/leak test to locate a possible fuel leak as follows:
 - (a) Remove the necessary equipment and furnishing to get access to the cabin floor panels 241HF and 242HF (center passenger compartment).
 - (b) Remove the cabin floor panels 241HF and 242HF (located between frames 36 and 42) AMM 53-32-12-000-002.
 - (c) Remove the applicable air conditioning ducts, from above the wing box center section, in the area adjacent to:
 - the intersection between the left side of the fuselage frame 36 and the left wing rib 1
 - the intersection between the right side of the fuselage frame 36 and the right wing rib 1AMM 21-20-00-010-001.
 - (d) Release and carefully pull back the applicable insulation mats/blankets in the area specified in Step (c).
 - (e) Examine for indications of a fuel leak at:
 - the intersection between the left side of the fuselage frame 36 (rear face) and the left wing rib



Customer : CFG
Type : A318/A319/A320/A321
Rev. Date : Aug 01/12

Manual: TSM
Selected effectivity: ALL

28-00-00-810-801-A - Fuel Smell In Cabin

- 1
- the intersection between the right side of the fuselage frame 36 (rear face) and the right wing rib 1.
- (f) If necessary, do a leak test in the area around the sealing brackets SRM 571600, Figure 2 (Sheet 1), item 10.
Use one of the applicable procedures as follows:
 - Fuel Tank Leak Checks AMM 28-11-00-280-002
 - Fuel Leak Test Source Detection, Helium Method SIL 57-091.
- (g) Examine all the insulation mats/blankets:
 - in and adjacent to the leak area specified in Step (c)
 - on the pressurized panel between the frames 35 and 36.
- (h) Remove and discard any insulation mats/blankets contaminated with fuel.

4. Fault Isolation

Subtask 28-00-00-810-050-A

A. Procedure

- (1) For a fuel leak found below the cabin floor at the left (right) side of the fuselage frame 36/wing rib 1 intersection, the options available are as follows:

(a) Ferry Flight

A ferry flight for the aircraft to return to its main base (without repair) is allowed.

- 1 Remove the fuel that has leaked.
- 2 Clean the work area.
- 3 The cabin fans must be set to on during the ferry flight.

(b) Temporary Repair

- 1 Use fast curing sealant as detailed in SIL 57-086, Part A, to do a temporary repair.
- 2 Make an entry in the aircraft technical log to record the temporary repair to this fuel leak.

NOTE: A temporary repair is limited/valid for 50 flying hours before a final repair has to be carried out.

(c) Final Repair

- 1 Do a final repair as follows:
 - a You must read repair instructions SIL 57-086 Part A and Part B before you do the repair.
 - b Do the FUEL LEAK REPAIR TECHNICAL SHEET - R571.12107.
- 2 On completion of the repair:
 - replace the two (2) air recirculation filters (4012HM) and (4013HM), AMM 21-21-41-000-001 and AMM 21-21-41-400-001.

- (2) If a Temporary or Final Repair is done:
 - replace, as necessary, any fuel contaminated insulation mats/blankets found in Para. 3.

5. Close-up

Subtask 28-00-00-942-050-A

A. Close Access

- (1) Make sure the work area is clean, clear of tool(s) and other items.
- (2) Install the new, or, release, fold down and attach in their initial positions the original insulation mats/blankets.
- (3) Install the cabin air supply ducts AMM 21-20-00-410-001.
- (4) Install the cabin floor panels 241HF and 242HF AMM 53-32-12-400-002.



Customer : CFG Type : A318/A319/A320/A321 Rev. Date : Aug 01/12	Manual: TSM Selected effectivity: ALL
28-00-00-810-801-A - Fuel Smell In Cabin	

- (5) Install the equipment and furnishing, removed to get access to the cabin floor panels 241HF and 242HF.
- (6) Remove the ground support and maintenance equipment, the special and standard tools and all other items.