



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

Manual: TSM  
 Selected effectivity: ALL

24-00-00-810-823-A - Electrical Burning Smell or Fumes Found in the Cabin, Cockpit, Cargo or Avionics ...

### Fault Symptoms

** ON A/C ALL		24-00-00-810-823-A
Warnings/malfunctions		
ATA	Message	
< 24-00	ELECTRICAL BURNING SMELL OR FUMES	

### Isolation Procedure

\*\* ON A/C ALL

TASK 24-00-00-810-823-A  
 Electrical Burning Smell or Fumes Found in the Cabin, Cockpit, Cargo or Avionics Compartment

1. Possible Causes
  - electrical circuits
2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
<u>21-00-00-810-801-A</u>	Oil in the Air Conditioning System
<u>24-00-00-810-803-A</u>	Circuit Breaker Tripped and/or C/B TRIPPED Warning
<u>26-15-00-810-804-A</u>	Odours and mist in the cabin and not fire
<u>26-17-00-810-804-A</u>	Lavatory Smoke Warning(s) without Fire
** ON A/C 001-001, 003-099, 101-199	
<u>49-00-00-810-921-A</u>	Fumes in the Cabin/Oil Smoke at the APU Exhaust (APS 3200)
** ON A/C 201-300	
<u>49-00-81-810-874-A</u>	Fumes in the Cabin/Oil Smoke at the APU Exhaust (131-9(A))
** ON A/C ALL	
<u>71-00-00-810-802-A</u>	Smoke and/or Oil Smell in the Cabin
Ref. ESPM ESPM 2052000	
Ref. ESPM ESPM 2053000	

3. Fault Confirmation

Subtask 24-00-00-710-064-A

A. Test

(1) Not applicable, the fault is evident.

4. Fault Isolation

\*\* ON A/C 001-001, 003-099, 101-199

Subtask 24-00-00-810-074-C

A. If there is an electrical burning smell:

**NOTE:** Try to identify the source of the smell with the flight crew or the cabin crew.

**NOTE:** Make a first estimate of the electrical damage, and de-energize the applicable electrical power network (commercial/servicing/ galley).



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NOTE: It is not always easy to identify an electrical burning smell or an air conditioning contamination from the engine or the APU. Refer to the applicable paragraph of this procedure.

- (1) If a circuit breaker tripped:
  - do this trouble shooting procedure (Ref. TSM 24-00-00-810-803).
- (2) If no circuit breaker tripped:
  - (a) If there is an ECAM warning, message or local observation:
    - refer to the applicable trouble shooting procedure.
  - (b) If there is no ECAM warning, message or local observation:
    - do an inspection of the electrical circuits and related mechanical components for arcing, chafing or short circuit Ref. ESPM ESPM 2052000.
      - 1 If there is damage:
        - repair or replace the damaged components Ref. ESPM ESPM 2053000.
      - 2 If there is no damage:
        - a If you smell oil (because of air conditioning contamination):
          - do this trouble shooting procedure (Ref. TSM 21-00-00-810-801).
        - b If you smell oil from the engine:
          - do this trouble shooting procedure (Ref. TSM 71-00-00-810-802).
        - c If you smell fumes during the pre-conditioning with the APU:
          - do these trouble shooting procedures (Ref. TSM 26-17-00-810-804) and (Ref. TSM 49-00-00-810-921).
        - d If there is a smell and fumes in the cabin:
          - do this trouble shooting procedure (Ref. TSM 26-15-00-810-804).

**\*\* ON A/C 201-300**

Subtask 24-00-00-810-074-D

A. If there is an electrical burning smell:

NOTE: Try to identify the source of the smell with the flight crew or the cabin crew.

NOTE: Make a first estimate of the electrical damage, and de-energize the applicable electrical power network (commercial/servicing/ galley).

NOTE: It is not always easy to identify an electrical burning smell or an air conditioning contamination from the engine or the APU. Refer to the applicable paragraph of this procedure.

- (1) If a circuit breaker tripped:
  - do this trouble shooting procedure (Ref. TSM 24-00-00-810-803).
- (2) If no circuit breaker tripped:
  - (a) If there is an ECAM warning, message or local observation:
    - refer to the applicable trouble shooting procedure.
  - (b) If there is no ECAM warning, message or local observation:
    - do an inspection of the electrical circuits and related mechanical components for arcing, chafing or short circuit Ref. ESPM ESPM 2052000.
      - 1 If there is damage:
        - repair or replace the damaged components Ref. ESPM ESPM 2053000.
      - 2 If there is no damage:
        - a If you smell oil (because of air conditioning contamination):



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- do this trouble shooting procedure (Ref. TSM 21-00-00-810-801).
- b If you smell oil from the engine:
  - do this trouble shooting procedure (Ref. TSM 71-00-00-810-802).
- c If you smell fumes during the pre-conditioning with the APU:
  - do these trouble shooting procedures (Ref. TSM 26-17-00-810-804) and (Ref. TSM 49-00-81-810-874).
- d If there is a smell and fumes in the cabin:
  - do this trouble shooting procedure (Ref. TSM 26-15-00-810-804).