



## FAULT ISOLATION MANUAL

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### TASK 21-60-00-810-877

#### CABIN DUCT HOT AND FLT COMPT DUCT HOT (Caution) – Fault Isolation

##### 1. General

- A. This fault isolation procedure is for when the caution and warning panel (CAWP) shows the CABIN DUCT HOT and FLT COMPT DUCT HOT caution lamps on at the same time, or came on more than one time.

NOTE: The acronyms FD (flight deck) and FLT COMPT (flight compartment) are interchangeable.

NOTE: The acronym CAB is interchangeable with the term CABIN.

- B. The caution lamps come on when either a cabin or flight compartment zone supply over temperature event is detected and it cannot be cleared by closing the Turbine SOV. Refer to the general sections of the fault messages shown below for a more detailed description of the conditions that set the applicable CDS message.
- C. The audio and radio control display unit (ARCDU) can show one or more of the related central diagnostic system (CDS) messages that follow:
- CAB OVR TMP4, 7118
  - FD OVR TMP4, 7114

##### 2. Job Set-Up Information

Subtask 21-60-00-946-090

REFERENCE	DESIGNATION
FIM TASK 21-60-00-810-865	CAB OVR TMP4, 7118 (Status) – Fault Isolation
FIM TASK 21-60-00-810-873	FD OVR TMP4, 7114 (Status) – Fault Isolation
AMM TASK 21-61-00-710-803	Operational Test of the ECS Temperature Control
AMM TASK 45-00-21-742-801	Retrieval of Data from the Central Diagnostic System (CDS) – Environmental Control System (ECS)
AMM TASK 45-00-21-743-801	Erase the Data from the Central Diagnostic System (CDS) – Environmental Control System (ECS)

##### 3. Fault Confirmation

Subtask 21-60-00-810-176

- A. Confirm the fault as follows:
- (1) Do the retrieval of the CDS fault indications for the environmental control system (ECS) (Refer to AMM TASK 45-00-21-742-801 ).
  - (2) Record present and historical faults linked to the event in the appropriate maintenance log book. Include the operational hours for historical faults.



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- (3) Erase the data from the CDS (Refer to AMM TASK 45-00-21-743-801 ).
- (4) Do the operational test of the ECS temperature control (Refer to AMM TASK 21-61-00-710-803 ).
  - (a) If the CABIN DUCT HOT and FLT COMPT DUCT HOT caution lamps do not come on, no maintenance procedure is necessary. Do the Close Out.
  - (b) If the CABIN DUCT HOT and FLT COMPT DUCT HOT caution lamps come on, or came on more than one time, do the retrieval of the CDS fault indications again (Refer to AMM TASK 45-00-21-742-801 ). Do the fault isolation.

### 4. Fault Isolation

Subtask 21-60-00-810-177

A. Isolate the fault as follows:

- (1) If the message shown is 7118 – CAB OVR TMP4, do the fault isolation for this message (Refer to FIM TASK 21-60-00-810-865).
- (2) If the message shown is 7114 – FD OVR TMP4, do the fault isolation for this message (Refer to FIM TASK 21-60-00-810-873).

### 5. Close Out

Subtask 21-60-00-941-093

- A. Make sure that the CABIN DUCT HOT and FLT COMPT DUCT HOT caution lamps are not on.
- B. Remove all tools, equipment and unwanted materials from the work area.