



FAULT ISOLATION MANUAL

**ON A/C ALL

TASK 30-30-00-810-805

PITOT HEAT STBY (Caution) – Fault Isolation

1. General

- A. This fault isolation procedure is for when the Caution And Warning Panel (CAWP) PITOT HEAT STBY caution light is on.
- B. The CAWP PITOT HEAT STBY caution light comes on when the Timer and Monitor Unit (TMU) senses that the standby pitot/static probe heater has failed.
- C. The Central Diagnostic System (CDS) can show the related messages that follow:
 - PITOT STBY FAIL
 - TIMER/MONITOR 3 FAIL.
- D. The PITOT HEAT STBY caution light can also come on with the DEICE TIMER caution light.

2. Job Set-Up Information

Subtask 30-30-00-946-005

A. Reference Information

REFERENCE	DESIGNATION
AMM24-00-00-861-801	Energize the Electrical System
AMM24-00-00-861-802	De-energize the Electrical System
AMM30-30-00-710-801	Operational Test of the Pitot and Static Anti-icing System
AMM45-00-30-742-802	Retrieval of Data from the Central Diagnostic System – Ice Protection System (ICE PROTECTION)
AMM45-00-30-743-802	Erase the Data from the Central Diagnostic System – Ice Protection System (ICE PROTECTION)
FIM30-10-00-810-809	TIMER/MONITOR 3 FAIL (Status) – Fault Isolation
FIM30-30-00-810-801	PITOT STBY FAIL (Status) – Fault Isolation

3. Fault Confirmation

Subtask 30-30-00-810-009

- A. Confirm the fault as follows:
 - (1) Energize the aircraft electrical system (Refer to AMM24-00-00-861-801).
 - (2) On the maintenance panel, do the CDS fault indication retrieval (Refer to AMM45-00-30-742-802).
 - (3) On the maintenance panel, erase the data form the CDS (Refer to AMM45-00-30-743-802).



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- (4) Do the Operational test of the pitot and static anti-icing system (Refer to AMM30-30-00-710-801).
 - (a) If the PITOT HEAT STBY caution light does not come on, no maintenance procedure is necessary. Do the Close Out.
 - (b) If the PITOT HEAT STBY caution light does come on, do the CDS fault indication retrieval again (Refer to AMM45-00-30-742-802). Do the Fault Isolation.
 - (c) If the PITOT HEAT STBY caution light does come on with DEICE TIMER caution light. Do the Fault Isolation.

4. Fault Isolation

Subtask 30-30-00-810-010

A. Isolate the fault as follows:

- (1) If the message is PITOT STBY FAIL, do the fault isolation for PITOT STBY FAIL (Refer to FIM30-30-00-810-801).
- (2) If the message is TIMER/MONITOR 3 FAIL, do the fault isolation for TIMER/MONITOR 3 FAIL (Refer to FIM30-10-00-810-809).

5. Close Out

Subtask 30-30-00-941-005

- A. Make sure that the CAWP PITOT HEAT STBY caution light is not on.
- B. De-energize the aircraft electrical system (Refer to AMM24-00-00-861-802).
- C. Remove all tools, equipment, and unwanted materials from the work area.