



FAULT ISOLATION MANUAL

**ON A/C ALL

TASK 30-10-00-810-802

DEICE TIMER (Caution) – Fault Isolation

1. General

- A. This fault isolation procedure is for when the Caution And Warning Panel (CAWP) DEICE TIMER caution light is on.
- B. The DEICE TIMER caution light comes on when the deice Timer Monitor Unit (TMU) fails.

**ON A/C 4587-4999 and ON A/C 4001, 4003, 4006, 4008-4009, 4011-4029, 4033-4035, 4038-4045, 4052, 4054, 4056-4058, 4062-4080, 4082, 4084-4085, 4087-4105, 4107-4114, 4116-4118, 4120-4121, 4123, 4125-4126, 4128, 4130-4136, 4138-4140, 4148, 4151-4152, 4155, 4157-4159, 4162, 4165, 4168, 4170-4172, 4174, 4176-4177, 4179-4183, 4185-4199, 4201-4209, 4211-4221, 4224-4225, 4228-4230, 4233, 4237-4238, 4241-4242, 4244, 4247-4249, 4251-4255, 4257-4263, 4266-4273, 4275-4290, 4292-4293, 4296, 4299-4304, 4306-4311, 4313-4314, 4316-4321, 4323-4324, 4326-4343, 4345-4346, 4349, 4351, 4354, 4356-4357, 4359-4362, 4365, 4367-4369, 4371-4377, 4379-4408, 4411-4435, 4437-4439, 4442-4445 Pre SB84-36-04

NOTE: The DEICE TIMER caution light also comes on when the High Pressure Shutoff Valve (HPSOV) fails because the TMU and the HPSOVs are connected to the same circuit breakers (DEICE CONT (A7) on the left DC circuit breaker panel and DEICE CONT (S5) on the right DC circuit breaker panel). The PITOT HEAT 1, PITOT HEAT 2, ENG ADPT HEAT 1, ENG ADPT HEAT 2 or PUSHER SYST FAIL caution lights can also come on.

**ON A/C ALL

- C. The Central Diagnostic System (CDS) can show the related messages that follow:
 - MONITOR 1 FAIL
 - MONITOR 2 FAIL
 - TIMER/MONITOR 3 FAIL
 - TIMER INPUT FAIL.

2. Job Set-Up Information

Subtask 30-10-00-946-002

A. Reference Information

REFERENCE	DESIGNATION
AMM30-11-00-720-801	Functional Test of the Airframe Pneumatic Deicing Systems
AMM45-00-30-742-801	Retrieval of Data from the Central Diagnostic System (CDS) – Timer Monitor Control Unit (TMCU)
AMM45-00-30-743-801	Erase the Data from the Central Diagnostic System (CDS) – Timer Monitor Control Unit (TMCU)
FIM30-00-00-810-801	MONITOR 1 FAIL (Status) – Fault Isolation

PSM 1-84-23
EFFECTIVITY:
See First Effectivity on Page 206 of 30-10-00



FAULT ISOLATION MANUAL

REFERENCE	DESIGNATION
FIM30-00-00-810-803	TIMER INPUT FAIL (Status) – Fault Isolation
FIM30-00-00-810-812	MONITOR 2 FAIL (Status) – Fault Isolation
FIM30-10-00-810-809	TIMER/MONITOR 3 FAIL (Status) – Fault Isolation

3. Fault Confirmation

Subtask 30-10-00-810-003

A. Confirm the fault as follows:

- (1) Do the CDS fault indication retrieval (Refer to AMM45-00-30-742-801).
- (2) Erase the data from the CDS (Refer to AMM45-00-30-743-801).
- (3) Do the functional test of the airframe pneumatic deicing system (Refer to AMM30-11-00-720-801).
 - (a) If the DEICE TIMER caution light does not come on, no maintenance procedure is necessary. Do the Close Out.
 - (b) If the DEICE TIMER caution light does come on, do the CDS fault indication retrieval again (Refer to AMM45-00-30-742-801). Do the Fault Isolation.

4. Fault Isolation

Subtask 30-10-00-810-004

A. Isolate the fault as follows:

- (1) If the message is MONITOR 1 FAIL, do the fault isolation for MONITOR 1 FAIL (Refer to FIM30-00-00-810-801). Do the Close Out.
- (2) If the message is MONITOR 2 FAIL, do the fault isolation for MONITOR 2 FAIL (Refer to FIM30-00-00-810-812). Do the Close Out.
- (3) If the message is TIMER/MONITOR 3 FAIL, do the fault isolation for TIMER/MONITOR 3 FAIL (Refer to FIM30-10-00-810-809). Do the Close Out.
- (4) If the message is TIMER INPUT FAIL, do the fault isolation for TIMER INPUT FAIL (Refer to FIM30-00-00-810-803). Do the Close Out.

5. Close Out

Subtask 30-10-00-941-002

- A. Make sure that the DEICE TIMER caution light on the CAWP is not on.
- B. Remove all tools, equipment, and unwanted materials from the work area.