



## FAULT ISOLATION MANUAL

### MAINTENANCE PRACTICES

\*\*ON A/C ALL

#### **TASK 31-53-00-810-801**

#### **TOUCHED RUNWAY (Warning) – Fault Isolation**

##### 1. General

- A. This fault isolation procedure is for when the TOUCHED RUNWAY warning light on the Caution and Warning Panel (CAWP) is on.
- B. The CAWP can show the TOUCHED RUNWAY warning light on when it senses that the aft-tail fuselage has struck the runway.

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

Subtask 31-53-00-946-005

##### A. Reference Information

REFERENCE	DESIGNATION
AMM05-50-08-210-801	Inspection After a Tail Strike
AMM31-53-00-000-801	Removal of the Tail Strike Switch
AMM31-53-00-400-801	Installation of the Tail Strike Switch
AMM31-53-00-720-801	Functional Test of the Tail Strike Warning System
WM31-53-00	Touched Runway Warning System

##### 3. Fault Confirmation

Subtask 31-53-00-810-003

- A. Do the functional test of the tail strike warning system (Refer to AMM31-53-00-720-801).
  - (1) If the TOUCHED RUNWAY warning light is on, then no maintenance procedure is necessary. Do the Close Out.
  - (2) If the TOUCHED RUNWAY warning light is not on, then do the Fault Isolation.

##### 4. Fault Isolation

Subtask 31-53-00-810-004

##### A. Isolate the fault as follows:

- (1) Inspect the area of the tail strike switch located on the underside of the fuselage on the aircraft center line at station X757.00 (Refer to AMM05-50-08-210-801).
  - (a) If the inspected area shows damage, repair the damage in accordance with the Structural Repair Manual.

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- (b) If the inspected area shows no damage, continue with the fault isolation.
- (2) Remove and replace the tail strike switch (Refer to AMM31-53-00-000-801 and AMM31-53-00-400-801).
- (3) If the fault still continues, do a test of the wiring between the CAWP and ground stud (Refer to WM31-53-00):

3312-P2 (CAWP)	(Ground Stud)
6	3152-GS1

- (4) If the wiring is unserviceable, repair the wiring. Do the Close Out.

### 5. Close Out

#### Subtask 31-53-00-941-004

- A. Make sure that the TOUCHED RUNWAY warning light on the CAWP is off.
- B. Remove all tools, equipment and unwanted materials from the work area.