

## TEST SYSTEM

The test selector is located in the upper left corner of the pilot's switch panel and offers several positions of test. It will function only when the BATT switch is ON. A red light above the test selector switch illuminates whenever the test selector switch is in any position but OFF.

### ROTARY TEST SWITCH

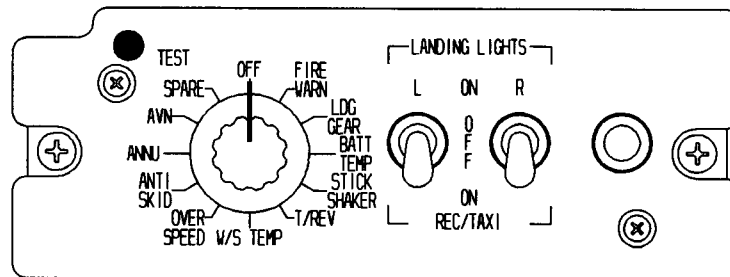


Figure 2-26

6618T1151

#### OFF

- The red light will be off and the test system inoperative.

#### NOTE

The red light above the rotary test switch should illuminate for all the other test positions, including the spare position.

#### FIRE WARN

- The LH ENG FIRE and RH ENG FIRE lights should illuminate.

#### LDG GEAR

- The green LH, RH and NOSE lights should illuminate.
- The red GEAR UNLOCK light should illuminate.
- The gear warning horn should sound.

#### BATT TEMP

- The red BATT O'TEMP > 160° annunciator should flash.
- The battery temperature gage should indicate 160°F.
- The Master Warning should flash (cancelable).

#### STICK SHAKER

- Stick shaker should activate immediately on both control columns.
- The AOA gage needle should swing to the top of the red band.
- The red chevron in the AOA indexer should flash.

**THRUST  
REVERSER**

- The ARM, UNLOCK, and DEPLOY thrust reverser indicator lights should illuminate steady.
- The master warning should flash (cancelable).

**W/S TEMP**

- With windshield heat selected on, the W/S O'HT annunciator should illuminate steady for 3 to 4 seconds then extinguish.

**NOTE**

If windshield heat is selected on with the engines shut down, W/S FAULT should annunciate because the AC alternator is not supplying power.

**OVERSPEED**

**NOTE**

The avionics switch must be on for the check of overspeed warning and related EFIS display information.

- The MADC output reverts to Functional Test Mode and PFD1/PFD 2 should indicate 265 KIAS, Mach 0.4, 5,000 feet altitude and a vertical speed of 2,000 feet per minute.
- The audible overspeed warning should sound.

**ANTISKID**

- With the antiskid switch on, the ANTISKID INOP annunciator should flash for 3 to 4 seconds, then extinguish.
- The Master Caution should illuminate steady during the self-test.

**ANNUNCIATOR**

**NOTE**

The avionics switch must be on for the annunciator check.

- All lights on the annunciator panel should illuminate.
- Master Warning should flash and Master Caution should illuminate steady (non Cancelable)
- Both red turbine overspeed lights should flash.
- Engine instrument LCDs should show steady 8s.

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**ANNUNCIATOR** (Continued)

- The AP OFF annunciators should illuminate steady.
- The Flight Director Mode Selector (FDMS) buttons should illuminate left to right and then remain on steady.
- The annunciators to the right of the Mode Selector panel should illuminate steady. They are as follows, but may vary depending on installed options:
  1. AP XFER FD1/AP XFER FD2
  2. TERR NORM, TERR INHIB (optional system)
  3. GPWS FLAP NORM, GPWS FLAP OVRD (optional system)
  4. GPWS G/S, CANCELLED (optional system)
  5. GPWS TEST (optional system)
  6. PHONE CALL
- All A/P control panel lights should illuminate steady.
- The green A/C ON light above the A/C switch should illuminate steady.
- A pulsating aural horn, which is a combination of the following 2 inputs should sound:
  1. Altitude alert tone (steady).
  2. Phone call tone (pulsating and becomes steady when the PHONE CALL button is depressed).

**AVIONICS****NOTE**

The avionics switch must be on for the avionics check.

- Master caution should illuminate steady (cancelable)
- The Flight Director Mode Selector buttons should illuminate left to right and then remain on steady.
- All A/P control panel lights should illuminate steady.
- After a short delay the following annunciators on the annunciator panel should flash, indicating a successful self-test:
  1. AP PITCH MISTRIM
  2. AP ROLL MISTRIM
  3. RADOME FAN
  4. CHECK PFD 1
  5. CHECK PFD 2

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**AVIONICS**

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- The annunciators to the right of the mode selector panel should illuminate steady. They are as follows, but may vary depending on which options are installed.
  1. AP XFER FD1/AP XFER FD2
  2. TERR NORM, TERR INHIB
  3. GPWS FLAP NORM, GPWS FLAP OVRD
  4. GPWS G/S, CANCELLED
  5. GPWS TEST
  6. PHONE CALL
- The AP OFF and YD OFF annunciators should illuminate steady.
- A pulsating aural horn, which is a combination of the following 2 inputs should sound:
  1. Altitude alert tone (steady).
  2. Phone call tone (pulsating and becomes steady when the PHONE CALL button is depressed).

**SPARE**

- This is an unused position, and should not activate any system.