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4.0 ACCOMPLISHMENT INSTRUCTIONS

4.1 TCAS PROCESSOR REMOVAL/INSTALLATION

1. Obtain TCAS Processor part number 7517900-10020 from spares.
2. Remove the existing TCAS Processor, part number 7517900-10012 per the 737-300/400/500 Aircraft Maintenance Manual 34-45-11/401.
3. Install the new part number TCAS Processor part number 7517900-10020 per the 737-300/400/500 Aircraft Maintenance Manual 34-45-11/401.

4.2 TCAS SELF TEST

1. Close the following circuit breaker:

Circuit Breaker	Panel
TCAS	P18-1

2. Push and release the **PUSH TO TEST** button on the front of the TCAS Computer; reference Figure 1. Verify the following sequence:
   a) All TCAS computer unit front panel annunciators come on for a 3-second lamp test.
   b) If the TCAS is operational, the **TCAS PASS** green annunciator comes on for a 10-second display period and then goes off.
   c) If the TCAS is not operational, one or more of the red fault annunciators comes on for a 10-second display period.

4.3 TCAS OPERATIONAL TEST

1. Ensure the following systems are on and operational:
   a) Air Data System
   b) Air Traffic Control System
   c) Electronic Flight Instrument System
   d) Flight Interphone System
   e) Inertial Reference System
   f) Low Range Radio Altimeter
2. Align all the IRS systems.
3. Ensure the all of the IRS systems are in the **NAV** mode.
4. On the TCAS/ATC Control Panel perform and verify the following:
   a) Place the mode select switch to the **TA/RA** position.
5. On both EFIS control panels perform the following:
   a) Set the display mode switch to **MAP**.
   b) Depress the **TFC** button.
   c) Make sure the EHSI shows **TFC** on the display.
6. On the TCAS/ATC Control Panel perform and verify the following:
   a) Place the **XPNDR** selector switch to the **1** position.
   b) The **XPNDR FAIL** light is not illuminated.
   c) Rotate the mode selector knob to the **STBY** position.
   d) Make sure the EHSI shows the **TCAS OFF** indication.