PERF	INSP

a) The **DO NOT CLIMB** and **DO NOT DESCEND** resolution advisory.

17. At the conclusion of the test, verify the synthesized voice announcement **"*TCAS TEST PASS*"**.

4.4 TCAS FUNCTIONAL TEST

WARNING: **ENSURE THAT GROUND LOCKS ARE INSTALLED ON ALL OF THE LANDING GEAR BEFORE MOVING THE LANDING GEAR CONTROL LEVER.**

1. Install ground locks on the nose and main landing gear per the 737-300/400/500 Aircraft Maintenance Manual 32-00-01/201.

Note: Refer to the Aeroflex IFR 6000 Operation Manual for detailed information on setup.

2. Mount the directional antenna to the IFR 6000 friction hinge.

3. Connect the directional antenna to the IFR 6000 using the short coaxial cable.

4. Position the IFR 6000 directional antenna as follows:

   a) Facing the nose of the airplane.

   b) Aligned with the airplane center line (0° relative bearing).

   c) Above and approximately 50 feet (15.24 meters) or greater away from the top TCAS antenna.

Note: Ensure there are no obstructions between the IFR 6000 directional antenna and the airplane top TCAS antenna.

5. Perform the following on the IFR 6000:

   a) Press the ⏻ key.

   b) Press the **SETUP** control key several times until the **SETUP-TCAS** screen is displayed.

6. Using the **NEXT PARAM** and **PREV PARAM** soft keys on the IFR 6000, select the following:

   a) Select **RF PORT:** set to **ANTENNA**.

   b) Select **ANT RANGE:** set to, the distance from the IFR 6000 to the airplane top TCAS antenna.

   c) Select **ANT HEIGHT:** set to, the height the IFR 6000 is above the airplane top TCAS antenna.

   d) Select **UUT ADDRESS:** set to **AUTO**.

   e) Select **ANT CABLE LOSS:** set to, the loss labeled on the coaxial cable connected to the IFR 6000.

   f) Select **ANT GAIN (dBi)** set to the **1.03 GHz:** and **1.09 GHz:** labeled on the IFR 6000 directional antenna.

   g) Select **SQUITTERS:** set to **ON**.

   h) Select **ALT REPORTING:** set to **ON**.

   i) Select **DISPLAYED ALT:** set to **ABSOLUTE**.

   j) Select **TEST SET AA:** set to **A92493**.

7. Press the **TCAS** mode select key on the IFR 6000 to display the **TCAS** test screen.