BRAKE TEST PROCEDURES

AIR OPERATED BRAKES
This system is operated by air from a compressor off the engine. Normal air pressure is between 80 and 120 psi. When the system falls below approximately 60 psi, the brakes are automatically locked by springs and the bus becomes immobile.

TEST 1: Parking brake test. Start the bus and let the air pressure build to at least 90 psi. Step on the brake pedal and put the bus into gear. Slowly take your foot off the brake and gently press the accelerator. The bus should not move.

TEST 2: Applied pressure test. (With parking brake released.) Turn the bus off. Step on the brake and hold the pedal down for one minute. There should be no more than 3 psi of air loss. Listen for any possible leaks.

TEST 3: Service brake warning system test. Turn the key to the on position without starting the bus. Pump the brakes until the pressure falls to 60 psi. At this point, the warning light and buzzer should come on.

TEST 4: Emergency brake test. Push in the yellow brake knob. Pump the brakes down until the knob pops out. This should happen at or before 35 psi. Gently press the accelerator, the bus should not move.

When operating an air brake bus, periodically monitor the air-pressure gauge. If there is a problem with any of the tests, DO NOT use the bus and contact dispatch.

HYDRAULIC BRAKES
This system is all hydraulic. The primary system is a hydraulic pump, which is powered by a belt off the engine. If the engine is not running, there is an electric pump for back up. Both systems must be checked during your pre-trip.

STEP 1: Before starting the engine, depress the brake pedal fully. The brake boost light should come on and the pedal should stiffen about halfway down. You should hear the electric motor kick in with a low pitch whine.

STEP 2: With your foot over the brake pedal, turn the key to the on position. The brake boost light and parking brake light should come on.

STEP 3: Start the bus. The brake boost light should go off. The parking brake light should remain on until the parking brake is released.

IMPORTANT NOTE: If the brake boost light stays on when the bus is running, turn the bus off and restart it. If the light stays on, the system has failed. DO NOT use the bus. If the parking brake light comes on intermittently, or stays on with the brake released all the way, there is an imbalance in the system. DO NOT use the bus and contact dispatch.