

## **Air Brake Test – Step by Step**

*Make sure the bus is on level ground or the wheels are chocked so it will not roll*

- 1- Build air pressure to the governed cut-out (120-140 psi)
- 2- Shut the bus off
- 3- Turn the key to the right, let the gauges cycle through

### ***Part 1 – Checking for air leakage***

- 4- Release the parking brake (foot is NOT on the brake pedal)
- 5- Watch the air pressure gauge to see that the system does not lose more than 2 psi in 1 minute (any movement of the needle after the initial drop)
- 6- Step on the brake pedal – watch the gauge to see that the system does not lose more than 3 psi in 1 minute (any movement after the initial drop)

### ***Part 2 – Checking the low air pressure warning system***

- 7- Begin to fan off the air pressure
- 8- Identify when the low air pressure warning light and buzzer activate – at 60 psi

### ***Part 3 – Checking the spring brake***

- 9- Continue fanning off the air pressure
- 10- Identify when the spring brake sets - between 40-20 psi.

**\*\*If the bus fails any part of this test – It is unsafe to drive.**

Restart the bus to rebuild the air pressure

Air brake test is complete.





### **Parking brake test**

*This test is checking that the parking brake will hold and function properly.*

- 1-With the bus running, Parking brake set, Shift into gear (Drive)
- 2-Step on the accelerator to engage the engine
- 3- You should feel a tug on the engine, BUT the bus should NOT move forward.
- 4- Parking brake holds.

**\*\*If the bus moves forward at all, the bus has failed the test. It is not safe to drive\*\***

Test is complete

### **Service Brake Test**

*This test checks for proper adjustment of the brakes*

- 1- With the bus running, Shift into gear (Drive)
- 2- Release the Parking brake
- 3- Step on the accelerator, driving the bus forward at approximately 5 mph
- 4- Apply steady pressure to the brake pedal feeling for any excessive pulling to the left or the right.

**\*\*If the bus pulls hard to either side the brakes are out of adjustment. It is not safe to drive\*\***

Test is complete