

West County Transportation Agency
DUAL AIR BRAKE SYSTEM

1. Governor Cut-In & Cut-Out

Engine must be running for this test. Observe your air gauge, if the needle is not moving up, test governor cut in first, if the needle is moving note where it stops - this will be governor cut out.

Governor Cut In:

Use service brake to gradually reduce air pressure. (Use light applications on the service brake during this test) Listen for sound of the air compressor starting and watch air pressure gauge. Note the pressure when it begins to rise. Governor must cut-in at a minimum of 85 PSI.

Governor Cut Out:

Listen for sound of air compressor stopping and/or observe air pressure gauge. Note the pressure the governor cuts out at. Governor must cut-out at a maximum of 130 PSI.

2. Static Test

Air pressure gauge(s) must be at governor cut out prior to starting static test. Place transmission in 1st gear or reverse in a standard transmission. Chock tires in an automatic and place in neutral. Shut the engine off and observe air pressure gauge(s) for 1 minute. Tap gauge(s) during the 1 minute to make sure needle is not sticking. Maximum air loss allowed: 2 PSI.

3. Applied Test

Release the parking brake. Wait for air pressure to stabilize.

Make a full service brake application, after the gauge(s) stabilizes, hold for 1 minute. Tap gauge during the 1 minute to make sure needle is not sticking. Maximum air loss allowed: 3 PSI.

4. Low Air Warning Devices

Turn ignition on but do not start engine. Depress service brake to gradually lower pressure in service tank. Observe the point at which visual and audio warning devices activate. Must activate by 60 psi.

5. Parking Brake Pop Out

Depress service brake one application at a time until parking brake activates. Must activate (pop out) at any pressure below 60 psi.

6. Anti Lock Braking System Check

If bus is equipped with ABS, depress service brake lightly and turn key on – you should hear 8 pops, ABS or Anti Lock light on dash will flash twice.

7. Parking Brake

Restart engine and build air pressure back up to 100 psi. Move bus a short distance and apply the parking brake.

8. Service Brake

Make two service brake stops before picking up passengers.

ALWAYS SET PARKING BRAKE BEFORE LEAVING THE DRIVER'S SEAT