

CDL - B

9 Step Air Brake Check

<u>Step</u>	<u>Checking</u>	<u>Procedure</u>	<u>Engine</u>
1	Static Air Leakage Test	With a fully-charged air system, turn off the engine, release the parking brake, time the air pressure drop. After the initial air loss, the loss rate should be no more than 2 PSI in 1 minute.	OFF
2	Service Brake Air Leakage Test	Firmly Apply Service Brake (90 Lbs) and Hold Steady, After initial drop, Pressure Drop No more than 3 PSI in 1 Minute.	OFF
3	Low Air Warning Sys Check	Engine Off/Electrical On, Step on brake pedal repeatedly to fan off air pressure. Listen for Audible Buzzer and Watch for Visual Warning Light.	OFF
4	Spring Brake Valve	Continue to fan off air pressure w/brake pedal, Observe the Tractor Protection Valve close (POP-OUT) at 20-40 Lbs.	OFF
5	Air Pressure Recovery Check	Start engine, raise to operating RPMs (high Idle). Observe that pressure builds from 85 Lbs to 100 Lbs within 45 seconds.	ON
6	Governor Cut Out Check	(Still at High Idle) Observe Governor Cut-Out between 120 Lbs and 130 Lbs.	ON
7	Governor Cut In Check	Pump Service brake reducing air pressure to around 90-100 Lbs and observe compressor CUT-IN. (air pressure rise)	ON
8	Spring Brake Test	Parking Brake ON. (Remove Wheel Chocks) Engage a Low Gear, Gently pull against parking brake testing hold.	Off/On
9	Service Brakes	Wait for Normal Air Pressure, Release Parking Brake, Move ahead to speed of about 5 MPH. Firmly apply Service Brake Note pulling to one side, unusual feel, or delayed stopping action.	ON