

CDL - B 9 Step Air Brake Check - 2019 C2's

<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 engine, position key to RUN. Release the parking brake, foot off service brake. Time air pressure drop. After initial air loss, the loss rate should be no more than 2 PSI in 1 min.	OFF, key RUN
2	Service Brake Air Leakage Test	Firmly Apply Service Brake (90 Lbs) and Hold Steady, Pressure Drop No more than 3 Lbs in 1 Minute.	OFF, key RUN
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, key RUN
4	Spring Brake Valve	Continue to fan off air pressure w/brake pedal, Observe Parking Brake valve close (POP-OUT) when air pressure drops to 20-40 Lbs.	OFF, key RUN
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 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

**WHEN TESTING SLACK
ADJUSTORS**

Make sure wheels are chocked, with engine running, release parking brake. Shut off engine and remove key. Alarm will be sounding indicating parking brake is not set. Key in pocket before exiting vehicle. Advise Examiner this is the only way to release the parking brake without the key in the ignition.