

Air Brake Safety Inspection

Please memorize the Air Brake Safety Inspection.
You must explain and demonstrate each step exactly as it is written here.

1. **Leak Test** — With the air pressure built up to **governor cutoff (approximately 120-140 psi)**, driver shuts off the engine, chock the wheels if necessary, releases the parking brake (all vehicles), and the tractor protection valve (combination vehicle) and fully applies the foot brake. The driver then holds the foot brake for **ONE MINUTE** after stabilization of the air gauge. S/he then checks the air gauge to see that the air pressure drops not more than **3 lbs. in one minute (single vehicle)** or **4 lbs. in ONE MINUTE (combination vehicle)** and listens for air leaks.
2. **Low Air Warning Devices** – WITHOUT RE-STARTING THE ENGINE, driver turns the key to the “on” or “battery charge” position. Next, s/he begins fanning off the air pressure by rapidly applying and releasing the foot brake. Low-air warning device s (buzzer, light, flag) should activate before the air pressure drops below **60 psi** or level specified by manufacturer.
3. **Emergency Brake Activation** – Driver continues to fan off the air pressure. At approximately **40 psi** on a tractor-trailer combination vehicle (or level specified by manufacturer), the tractor protection valve and parking brake valve should close (pop out). On other combination vehicle types and single vehicle types, the parking brake valve should close (pop out).