

(2) *Vacuum brakes.* After June 1, 1971, every truck with three or more axles equipped with vacuum assistor type brakes and every truck tractor and truck used for towing a vehicle equipped with vacuum brakes shall be equipped with a reserve capacity or a vacuum reservoir sufficient to insure that, with the reserve capacity or reservoir fully charged and with the engine stopped, a full service brake application may be made without depleting the vacuum supply by more than 40 per cent.

(3) *Reservoir safeguarded.* All motor vehicles, trailers, semi-trailers, and pole trailers, when equipped with air or vacuum reservoirs or reserve capacity as required by this section, shall have reservoirs or reserve capacity so safeguarded by a check valve or equivalent device that in the event of failure or leakage in its connection to the source of compressed air or vacuum, the stored air or vacuum shall not be depleted by the leak or failure.

(j) *Warning devices.*

(1) *Air brakes.* Every bus, truck or truck tractor using compressed air for the operation of its own brakes or the brakes on any towed vehicle, shall be provided with a warning signal, other than a pressure gauge, readily audible or visible to the driver, which will operate at any time the air reservoir pressure of the vehicle is below 50 per cent of the air compressor governor cut-out pressure. In addition, the vehicle shall be equipped with a pressure gauge visible to the driver, which indicates in pounds per square inch the pressure available for braking.

(2) *Vacuum brakes.* After June 1, 1971, every truck-tractor and truck used for towing a vehicle equipped with vacuum operated brakes and every truck with three or more axles using vacuum in the operation of its brakes, except those in driveaway or towaway operations, shall be equipped with a warning signal, other than a gauge indicating vacuum, readily audible or visible to the driver, which will operate at any time the vacuum in the vehicle's supply reservoir or reserve capacity is less than eight inches of mercury.

(3) *Combination of warning devices.* When a vehicle required to be equipped with a warning device is equipped with both air and vacuum power for the operation of its own brakes or the brakes on a towed vehicle, the warning devices may be, but are not required to be, combined into a single device which will serve both purposes. A gauge or gauges indicating pressure or vacuum shall not be deemed to be an adequate means of satisfying this requirement.

§ 12-302. *Performance ability of brakes.*

(a) *Every motor vehicle and combination of vehicles at all times and under all conditions of loading, upon application of the service brake, shall be capable of:*

(1) *Developing a braking force that is not less than the percentage of its gross weight tabulated herein for its classification;*

(2) *Decelerating to a stop from not more than twenty miles per hour at not less than the feet per second per second tabulated herein for its classification; and*

(3) *Stopping from a speed of twenty miles per hour in not more than the distance tabulated herein for its*