

(j) (1) Air Brakes. Every bus, truck, or truck tractor with air operated brakes shall be equipped with at least one reservoir sufficient to insure that, when fully charged to the maximum pressure as regulated by the air compressor governor cut-out setting, a full service brake application may be made without lowering the reservoir pressure by more than 20 percent. Each reservoir shall be provided with means for readily draining accumulated oil or water.

(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 percent.

(3) Reservoir Safeguarded. All motor vehicles, trailers, semitrailers, 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 is not depleted by the leak or failure.

(k) (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 that the air reservoir pressure of the vehicle is below 50 percent 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 8 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 that serves both purposes. A gauge or gauges indicating pressure or vacuum is not an adequate means of satisfying this requirement.

(L) (1) IN THIS SUBSECTION, "SURGE BRAKES" MEANS A BRAKING SYSTEM DESIGNED TO ACTIVATE THE BRAKES OF A VEHICLE BEING TOWED AS A RESULT OF THE FORWARD PRESSURE OF THE VEHICLE AGAINST THE TOWING VEHICLE DURING DECELERATION.