

PROVIDED IN SUBSECTION (L) OF THIS SECTION, adequate to control the movement of and to stop and hold the vehicle under all conditions of loading, and on any grade incident to its operation.

(c) (1) All the vehicles and combinations of vehicles, except motorcycles, shall be equipped with parking brakes adequate to hold the vehicle on any grade on which it is operated, under all conditions of loading, on a surface free from snow, ice, or loose material.

(2) The parking brakes shall be capable of being applied in conformance with the foregoing requirements by the driver's muscular effort or by spring action or by equivalent means. Their operation may be assisted by the service brakes or other source of power, provided that failure of the service brake actuation system or other power assisting mechanism will not prevent the parking brakes from being applied in conformance with the foregoing requirements.

(3) The parking brakes shall be so designed that when once applied they shall remain applied with the required effectiveness despite exhaustion of any source of energy or leakage of any kind.

(4) The same brake drums, brake shoes and lining assemblies, brake shoe anchors and mechanical brake shoe actuation mechanism normally associated with the wheel brake assemblies may be used for both the service brakes and the parking brakes. If the means of applying the parking brakes and the service brakes are connected in any way, they shall be so constructed that failure of any one part does not leave the vehicle without operative brakes.

(d) Every vehicle shall be equipped with brakes acting on all wheels, except:

(1) Trailers, semitrailers, or pole trailers of a registered gross weight not exceeding 3,000 pounds, provided that:

(i) The total weight on and including the wheels of the trailer or trailers does not exceed 40 percent of the gross weight of the towing vehicle when connected to the trailer or trailers; and

(ii) The combination of vehicles, consisting of the towing vehicle and its total towed load, is capable of complying with the performance requirements of § 22-302 of this subtitle;

(2) Trailers, semitrailers, or pole trailers of a registered gross weight exceeding 3,000 pounds and not exceeding 10,000 pounds that:

(i) Have 2 or more axles;

(ii) Are equipped with brakes acting on all wheels of at least 1 axle;

and

(iii) As part of a combination of vehicles, consisting of the towing vehicle and the total load, is capable of complying with the performance requirements of § 22-302 of this subtitle;