

Delaware:

Trailer Summary:

Dimensions: Dimensions shall not exceed: a total length of 65 feet, a width of 102 Inches, a height of 13 feet 6 inches.

Brakes: All trailers shall be equipped with brakes adequate to control the movement of and to stop and to hold such vehicle. Requires 2 separate means of applying the brakes.

Lighting/Reflectors: Every trailer shall be equipped with at least one tail lamp, mounted on the rear, which shall emit a red light plainly visible from a distance of 500 feet to the rear.

Hitch/Signals: The draw bar or other connection between any 2 vehicles 1 of which is towing or drawing the other on a highway shall not exceed 15 feet in length from 1 vehicle to the other. Whenever such connection consists of a chain, rope or cable, there shall be displayed upon such connection a red flag or other signal or cloth not less than 12 inches both in length and width.

Mirrors: All motor vehicles and motorcycles shall be equipped with a mirror so placed that the driver thereof may readily ascertain the presence of any vehicle traveling in the same direction and overtaking the driver's vehicle

Speed Limits: No trailer or semitrailer with a gross weight of load and vehicle in excess of 4,000 pounds shall be operated on the highways of this State at a speed in excess of 10 miles per hour unless equipped with suitable brakes.

Towing: No vehicle shall be driven upon any highway pulling more than 1 other vehicle.

Other: All commercial with a gross weight rating of 26,001 pounds or more, be equipped with one or more of the following: an audible reverse warning signal, a backup camera visible in the cab of the vehicle, an audible warning device that will alert the driver when the vehicle is approaching an object.

§ 4501 Size and weight of vehicles generally.

(a) No person shall drive or move, or, being the owner, cause or knowingly permit to be driven or moved on any highway, any vehicle or combination of vehicles:

- (1) Having a size or weight exceeding the limitations stated in this chapter; or
- (2) Having a gross weight exceeding that for which it is lawfully registered; or
- (3) In violation of any provision of this title; or
- (4) Having a gross weight exceeding that for which it could have been registered in this State if it is registered for a greater weight in another state, unless a reciprocity agreement between the 2 states is in effect; or
- (5) In violation of the rules or regulations of the Secretary of Safety and Homeland Security adopted pursuant to this title or this chapter; or

(6) Special mobile equipment.

(b) For purposes of this chapter, any combination of trucks, truck trailers, trailers and semitrailers, not specifically authorized herein, shall be unlawful. The following are authorized:

(1) A truck and trailer.

(2) A truck tractor, semitrailer.

(3) A truck tractor, semitrailer, trailer.

(4) A vehicle string utilizing saddlemount and/or fullmount.

(5) A tow truck and a disabled vehicle or combination of vehicles.

(c) Except as otherwise provided herein, this chapter applies to every vehicle operated upon any road, street or highway within this State. The maximum size and weight of vehicles specified herein by type of highway shall be lawful throughout this State and local authorities may not alter such limitations, except as expressly provided in this chapter.

(d) Any gross weight measurements made to determine compliance with this chapter shall be taken so as to include both the vehicle and load. Any vehicle having a gross weight in excess of that allowable under this chapter or in excess of that for which it is currently registered shall be considered as an "overweight vehicle."

(e) Any linear measurements taken to determine compliance with this chapter shall be taken so as to include the vehicle and any load thereon including any projections of any type, character or nature whatsoever, such as, but not limited to, bumpers, steps, mirrors and hose connections specifically excluding the tongue of a trailer.

(f) Except as otherwise provided in this chapter, it shall be unlawful to operate any vehicle at a gross weight which exceeds the weight for which it is registered and provided further that:

(1) Except as otherwise provided in this paragraph, the total gross weight including load, of a combination of a truck tractor and semitrailer having a total of 5 or more axles shall not exceed 80,000 pounds. For a live-haul poultry truck traveling less than 150 miles from

the farm to the plant, the total gross weight including load of a combination of a truck tractor and semitrailer having a total of 5 or more axles shall not exceed 90,000 pounds. However, such a live-haul poultry truck may exceed the established weight limit by no more than 3% to account for variations in bird weight due to bird size, moisture retention caused by precipitation, or other unanticipated conditions. For the 90,000 pound weight limit and associated 3% variance to apply to a live-haul poultry truck, the following conditions must exist:

- a. The live-haul poultry truck must be subject to the Motor Carrier Safety Assistance Program (MCSAP) inspection.
- b. The live-haul poultry truck must adhere to all bridge weight limits.
- c. The live-haul poultry truck must not use the interstate highway system.
- d. The axels on a live-haul poultry truck must be a minimum of 96 inches apart no later than May 8, 2015.

(2) The gross weight of a vehicle equipped with 2 or more axles without power brakes on each rear hub shall not exceed 22,000 pounds and it shall be unlawful to operate such vehicle in excess of 20 miles per hour.

(3) The gross weight of a trailer equipped with metal tires shall not exceed 6,000 pounds.

(4) Any vehicle, otherwise required to be registered pursuant to this title which is not registered and which requires a registration fee that is calculated upon gross weight, shall be assigned a weight allowance equal to the highest legal weight for which that vehicle could be registered for the purpose of enforcement of the weight section of this title.

(g) Except as otherwise provided in this chapter, it shall be unlawful to operate any vehicle in this State in violation of length, height or size restrictions provided in this title and provided further that:

(1) No passenger vehicle shall carry any load extending beyond the line of the fenders on the left side of such vehicle nor extending more than 6 inches beyond the line of the fender on the right side thereof.

(2) The load upon any vehicle operated alone or the load upon the front vehicle of a combination of vehicles shall not extend more than 3 feet beyond the foremost part of the vehicle; and the load upon any vehicle operated alone or the load upon the rear vehicle of a combination of vehicles shall not extend more than 6 feet beyond the rear of the bed or body of such vehicle. Pilings and/or poles or mill logs, or nursery stock, or rowing shells, or steel beams, pipes, angles, channels and other length or steel, or other metal, or other articles impossible of dismemberment shall not extend more than 10 feet beyond the rear of the bed or body of such vehicle.

(3) A number of motor vehicles may be transported in combination, utilizing saddlemount and/or fullmount mechanisms and utilizing the motive power of 1 of the vehicles in combination, provided such combination of vehicles shall not exceed a length of 65 feet, and provided further that the equipment used in such combinations shall comply with the safety regulations of the United States Department of Transportation.

(4) Except as otherwise indicated herein, the limitations as to length of load stated in this chapter shall not apply to a vehicle or combination of vehicles transporting boats, commonly known as crew or rowing shells for use in interscholastic or intercollegiate rowing contests, provided that such boats shall not exceed 70 feet in length.

(5) Neither the State, any agency or subdivision thereof, nor any person, firm or corporation shall be required to raise, alter, construct or reconstruct any underpass, wire, pole, trestle or other structure to permit passage of any vehicle having a height, including any load thereon, in excess of 12 feet 6 inches. The liability for damage to any person, vehicle, structure or other property caused by any vehicle having a height, including any load thereon, in excess of 12 feet 6 inches shall be borne by the owner and/or the operator of the vehicle.

(h) The provisions of § 4502 of this title do not apply to the following vehicles; provided, however, that the liability for damages caused by any vehicle operated under this provision shall be borne by the owner of said vehicle:

(1) Fire apparatus owned or used by an organized fire company.

(2) Farm equipment being temporarily operated, moved or transported on a highway.

(3) A vehicle being towed with 1 set of axles free of the roadway surface.

(i) Any vehicle or combination of vehicles, otherwise not in compliance with this chapter, but permitted to be operated within this State by virtue of a special use permit pursuant to this chapter, shall be permitted to travel on such highways as shall be designated within the contents of said permit.

(j) In accordance with the provisions of § 4503 of this title, a commercial motor vehicle is granted reasonable access between:

- (1) Interstate roadways, federal-aid primary system highways, US numbered routes; and
- (2) Terminals, facilities for food, fuel, repairs, and rest, and points of loading and unloading for household goods carriers, motor carriers of passengers, and any tow-away trailer transporter combination.

§ 4502 Size and weight of vehicles except on interstate highways and United States numbered routes.

(a) Except as provided in § 4503 of this title, this section sets forth the size and weight restrictions applicable to all roads, streets and highways within this State.

(b)(1) No vehicles, including any load thereon, shall exceed a total outside width of 8 feet 6 inches.

(2) No vehicles, including any load thereon, shall exceed a height of 13 feet 6 inches.

(3) No single motor vehicle, including any load thereon, shall exceed 40 feet in length, and no combination of vehicles, including the load thereon, shall exceed 60 feet in length, except as otherwise provided in this section.

a. A truck and semitrailer combination engaged in the transportation of motor vehicles shall not exceed a length of 65 feet exclusive of the overhang of the transported vehicles.

b. Buses shall not exceed 45 feet in length.

c. Piling and pole trailers and vehicles or combinations or vehicles engaged in the transportation of steel beams, pipes, angles channels and other lengths of steel, or other metals, or other articles impossible of dismemberment shall not exceed 70 feet.

(4) Notwithstanding paragraph (b)(1) or (3) of this section:

a. No recreational vehicle, including any load or truck camper thereon or any camping trailer, recreational trailer or park trailer attached thereto, shall exceed a total outside width of 102 inches, exclusive of any safety equipment, which shall not extend beyond the federal motor vehicle safety standards for such equipment, or appurtenances such as awnings and lights which are integral to the construction of the vehicle, installed by the vehicle's manufacturer or dealer, and do not extend more than 6 inches wider on each side of the vehicle; provided however, that such vehicles permissibly exceeding the 102 inch width limit with its attached equipment or appurtenances shall only be operated:

1. On roadways having travel lanes at least 11 feet in width, unless prohibited by the Department of Transportation or by a municipality based on safety reasons and marked with signs prohibiting such vehicles; or
2. On any roadway of the State when such a vehicle is being operated between a roadway permitted under paragraph (b)(4)a.1. of this section and:

- A. The location where the recreational vehicle, recreational trailer, park trailer, camping trailer or truck camper is garaged; or
- B. The destination of the recreational vehicle, recreational trailer, park trailer, camping trailer or truck camper; or

C. A facility for food, fuel, repair, services or rest.

b. No single recreational vehicle, including any load or truck camper thereon, shall exceed 45 feet in length; and

c. No combination of a recreational vehicle with any vehicle, including the load thereon, nor any combination of any motor vehicle with any camping trailer, recreational trailer or park trailer attached thereto, shall exceed 65 feet in length.

(c)(1) A vehicle equipped with 2 axles, having each of the 2 axles equipped with 2 hubs, with a power brake on each hub, shall not exceed a total gross weight of 40,000 pounds or manufacturer's gross vehicle weight rating whichever is less.

(2) A vehicle equipped with 3 axles, having each of the 3 axles equipped with 2 hubs, with a power brake on each hub, shall not exceed a total gross weight of 65,000 lbs. or the manufacturer's gross vehicle weight rating, whichever is less; notwithstanding the above, and as limited in [§ 2105](#) of this title, it shall be lawful to operate such a vehicle to and from any construction site located in this State when the total gross weight does not exceed 70,000 lbs.; and it shall also be lawful to operate such a vehicle containing agricultural products when the gross weight, including vehicle and load, does not exceed 70,000 lbs.; provided that vehicles utilizing the above exception shall pay a fee of \$100 per vehicle at the time of registration for this extra weight capacity.

(3) A vehicle equipped with 4 axles, having each of the rear axles equipped with 2 hubs, with a power brake on each rear hub, shall not exceed a total gross weight of 73,280 pounds or manufacturer's gross vehicle weight rating whichever is less.

(4) The total gross weight of a combination tractor and semitrailer having a total of 3 axles shall not exceed 60,000 lbs. or combined manufacturer's gross vehicle weight rating whichever is less.

(5) The total gross weight of a combination tractor and semitrailer having a total of 4 axles shall not exceed 70,000 lbs. or combined manufacturer's gross vehicle weight rating whichever is less.

(6) Except as otherwise provided in this paragraph, the total gross weight of a combination tractor and semitrailer having a total of 5 or more axles shall not exceed 80,000 lbs. or combined manufacturer's gross vehicle weight rating whichever is less. For a live-haul poultry truck traveling less than 150 miles from the farm to the plant, the total gross weight including load of a combination of a truck tractor and semitrailer having a total of 5 or more axles shall not exceed 90,000 pounds. However, such a live-haul poultry truck may exceed the established weight limit by no more than 3 percent to account for variations in bird weight due to bird size, moisture retention caused by precipitation, or other unanticipated conditions. For the 90,000 pound weight limit and associated 3 percent variance to apply to a live-haul poultry truck, the following conditions must exist:

- a. The live-haul poultry truck must be subject to the Motor Carrier Safety Assistance Program (MCSAP) inspection.
- b. The live-haul poultry truck must adhere to all bridge weight limits.
- c. The live-haul poultry truck must not use the interstate highway system.
- d. The axels on a live-haul poultry truck must be a minimum of 96 inches apart no later than May 8, 2015.

(7) Except as otherwise provided herein, for single unit vehicles, no axle load shall exceed 22,400 pounds. With respect to any single unit vehicle, the maximum gross weight between any 3 consecutive axles that actually bear weight upon the pavement, and which have wheels spaced between 144 inches and not less than 60 inches apart when measured horizontally between their center lines, shall not exceed 60,000 lbs. With respect to any single unit vehicle, the maximum gross weight between any 2 consecutive axles that actually bear weight upon the pavement, and which have wheels spaced between 96 inches and not less than 40 inches apart when measured horizontally between their center lines, shall not exceed 40,000 pounds. With respect to any single unit vehicle, the maximum combined gross weight between any 2 consecutive axles that actually bear weight upon the pavement, and are less than 40 inches apart when measured horizontally between the center lines, shall not exceed 20,000 pounds. Where the distance between consecutive axle centers exceeds 96 inches, the weight for each such axle shall not exceed 22,400 pounds.

(8) Except as otherwise provided herein, for combination unit vehicles, no axle load shall exceed 22,400 pounds. With respect to any combination unit vehicle, the maximum gross weight between any 2 consecutive axles that actually bear weight upon the pavement and which have wheels spaced between 96 inches and not less than 40 inches apart, measured horizontally between their center lines, shall not exceed 36,000 pounds. Where the distance between consecutive axle centers exceeds 96 inches, the weight for each such axle shall not exceed 22,400 pounds. With respect to any combination vehicle, the maximum combined gross weight between any 2 consecutive axles that actually bear weight upon the pavement, and are less than 40 inches apart when measured horizontally between the center lines, shall not exceed 20,000 pounds.

(9) Farm operations.--Notwithstanding the other provisions of this section, the following applies to vehicles registered as (i) farm trucks or (ii) registered commercial motor vehicles that are controlled or operated by a farmer and while used in the operation of a farm. For these vehicles, no single axle load shall exceed 22,400 pounds, and with respect to any vehicle equipped with coupled axles spaced less than 48 inches apart measured horizontally between their center lines, the combined weight on the coupled axles shall not exceed 20,000 pounds and, with respect to a vehicle equipped with coupled axles spaced 48 inches or more apart measured horizontally between their center lines, the combined weight on the coupled axle shall not exceed 40,000 pounds. Furthermore, any farm loaded truck or farm vehicle carrying harvested products or livestock may exceed the weight limits established under this subsection by no more than 3 percent.

(10) Whenever the total gross weight permitted in any provisions of this section exceeds the total gross weight permitted as calculated pursuant to paragraph (c)(7) of this section, paragraph (c)(7) of this section shall be void.

(d) The Secretary of the Delaware Department of Transportation may, on the basis of engineering and/or traffic investigations, determine that any road, street, or highway under the jurisdiction of the Department of Transportation is not of sufficient width to accommodate

vehicles otherwise permitted by this section and may thereafter prohibit vehicles of an otherwise permissible width from operation on such road, street or highway

§ 4503 Size and weight of vehicles on interstate highways; size of vehicles on United States numbered routes.

(a) No person shall drive or move or, being the owner, cause or knowingly permit to be driven or moved on any interstate highway or United States numbered route, unless otherwise posted, any vehicle or combination of vehicles having a size or weight in excess of that permitted by this section. Provided, however, that such weight limitations and restrictions listed in this section apply only to the interstate highway; weight limitations and restrictions for United States numbered routes shall be as listed in § 4502 of this title.

(b)(1) No vehicle, including any load thereon, shall exceed a height of 13 feet, 6 inches.

(2) The maximum length of a semitrailer, including any load thereon, exclusive of truck tractor size shall be 53 feet.

(3) The maximum length of a trailer or semitrailer in a truck tractor-semitrailer-trailer combination, including any load thereon, exclusive of tractor size shall be 29 feet.

(4) Buses shall not exceed 45 feet in length.

(5) Single vehicles including the load thereon shall not exceed 40 feet in length.

(6) No vehicle including any load thereon shall exceed a total outside width of 102 inches, exclusive of safety equipment, which shall not extend more than 3 inches wider on each side of the vehicle, or as shall be authorized by the Delaware Secretary of Public Safety.

(7) Notwithstanding paragraph (b)(5) or (6) of this section:

a. No recreational vehicle, including any load or truck camper thereon or any camping trailer, recreational trailer or park trailer attached thereto, shall exceed a total outside width of 102 inches, exclusive of any safety equipment, which shall not extend beyond the federal motor vehicle safety standards for such equipment, or appurtenances such as awnings and lights which are integral to the construction of the vehicle, installed by the

vehicle's manufacturer or dealer, and do not extend more than 6 inches wider on each side of the vehicle;

b. No single recreational vehicle, including any load or truck camper thereon, shall exceed 45 feet in length; and

c. No combination of a recreational vehicle with any vehicle, including the load thereon, nor any combination of any motor vehicle with any camping trailer, recreational trailer or park trailer attached thereto, shall exceed 65 feet in length.

(c)(1) Each weight stated in this section shall apply only to interstate highways and is a total gross weight which includes the weight of the vehicle, including load thereon and any enforcement tolerance applicable thereto.

(2) It shall be unlawful for the gross weight on any 1 axle to exceed 20,000 pounds.

(3) It shall be unlawful for the gross weight on any tandem or coupled axles to exceed 34,000 pounds.

(4) It shall be unlawful for the maximum gross weight for any vehicle to exceed the sum of the allowed axle weight for the number of axles actually bearing their full share of the weight upon the pavement or the smallest weight as calculated hereunder:

a. The gross weight of any vehicle or combination of vehicles shall not exceed the weights stated hereunder:

2 axles — 40,000 lbs.

3 axles — 54,000 lbs.

4 axles — 74,000 lbs.

5 axles — 80,000 lbs.

b. The maximum gross weight of any vehicle or combination of vehicles on a group of 2 or more consecutive axles shall not exceed the weight as calculated by this formula:

$$W = 500 \frac{(LN + 12N + 36)}{(N-1)}$$

For purposes of this subsection, W equals overall gross weight on any group of 2 or more consecutive axles to the nearest 500 pounds, L equals the distance in feet between the extreme of any group of 2 or more consecutive axles, and N equals the number of axles in the group under consideration except that 2 consecutive sets of tandem axles may carry a gross load of 34,000 pounds each, whenever the overall distance between the first and last axle of the consecutive sets is 36 feet or more.

(d) The Delaware Secretary of Transportation may, on the basis of engineering and traffic investigations, determine that certain interstate and United States numbered routes cannot accommodate vehicles, otherwise permitted under this section, and may thereafter prohibit operation of such vehicles on the interstate and United States numbered routes so designated.

(e) The provisions of this section do not apply to the following vehicles when such vehicles are being operated on interstate highways and United States numbered routes; provided, however, that the liability for damages caused by any vehicle operated under this provision shall be borne by the owner of said vehicle:

(1) Fire apparatus owned or used by an organized fire company.

(2) Farm equipment being temporarily operated, moved or transported on a highway. This provision only applies to farmers engaged in their agricultural related practices.

(f) Any vehicle subject to this subpart that utilizes an auxiliary power or idle reduction technology unit in order to promote reduction of fuel use and emissions because of engine idling, may be allowed up to an additional 400 lbs. total in gross, axle, tandem, or bridge formula weight limits.

(1) To be eligible for this exception, the operator of the vehicle must be able to prove:

a. By written certification, the weight of the APU; and

b. By demonstration or certification, that the idle reduction technology is fully functional.

(2) Certification of the weight of the APU must be available to law-enforcement officers if the vehicle is found in violation of applicable weight laws. The additional weight allowed cannot exceed 400 lbs. or the weight certified, whichever is less.

§ 4504 Regulations; fees; permits for excessive size and weights.

(a) The Secretary of Transportation may adopt such regulations, issue permits and may impose such fees as the Secretary may deem reasonable to implement the requirements of this chapter. The fee for permits issued pursuant to paragraph (c)(1) of this section for vehicles operating on any interstate highway within this State shall be \$1.00 per single trip permit.

(b)(1) The Secretary of Transportation is hereby authorized to adopt rules and regulations, to establish and set fees and to adopt procedures for the issuance of permits for the movement of vehicles and/or loads of a size and weight exceeding the maximum specified in this chapter.

(2) Local authorities may adopt regulations under which permits may be granted for the movement of vehicles and/or loads of a size and weight exceeding the maximum specified in this chapter over any highway for which the local authority has the sole maintenance responsibility.

(3) Every permit granted shall be in writing and shall contain a description of the vehicle and load, a statement of the fee levied and the name of the authorized officer of the granting authority. It may designate the route and certain restrictions, rules, conditions and regulations as deemed necessary.

(4) Permits may be obtained only for vehicles or trailers complying with this title.

(5) A permit obtained pursuant to this section shall relieve no person of the obligation to comply with all laws, rules and regulations otherwise applicable.

(c)(1) Single trip permits shall be issued for single trips from the designated starting point to the designated terminal point. Intermediate stopping points and round trips are not permitted.

(2) Multi-trip permits shall be issued for the period from the first day of the month to the first day of the following month. Each permit shall be valid as authorized herein; it shall not be transferable.

a. Utility companies may be issued a permit for piling and pole trailers. Each permit may be valid for up to 4 trailers at the time of issue.

b. Utility companies and governmental agencies may be issued a permit for a manned and/or unmanned aerial type single motor vehicle up to 50 feet long. Each permit shall be valid for an individual vehicle only.

c. Pole and piling haulers may be issued a permit for piling and pole movements. Each permit shall be valid for an individual tractor only.

d. A specific route permit may be issued to owners or renters of double-bottom vehicles weighing not more than 80,000 lbs. with a width of not more than 102 inches. Each permit shall be for a single route between 2 specific points. Such permit shall not be vehicle specific; it is route specific.

e. Permits shall not be issued under paragraph (c)(2)d. of this section for any route which has a posted speed limit over 30 m.p.h. and has travel lanes less than 11 feet wide as measured from face of curb or edge of travelway.

f. Multi-trip permits shall not be issued for any purpose not specifically authorized in paragraph (c)(2)a., b., c. or d. of this section.

g., h. [Deleted.]

(d) Notwithstanding any provision or regulation to the contrary, all operators of self-propelled cranes, as defined in § 101 of this title, shall be allowed to apply for and receive a 1-year blanket permit allowing unlimited moves of said self-propelled crane. These blanket permits can be renewed each year. For purposes of this subsection, a "blanket permit" is an unlimited movement permit for each self-propelled crane owned by an applicant. Said permit shall be issued per the rules and regulations adopted by the Department of Transportation.

(e)(1) Every permit shall be carried in the vehicle to which it refers during the movement it authorizes and it shall be open to inspection by any police officer.

(2) Copies of multi-trip permits issued to utility companies may be carried by their vehicles in lieu of the original.

(3) Copies of multi-trip permits issued for bus operation may be carried in the buses in lieu of the original.

(4) Copies of multi-trip permits issued for the movement of double-bottom vehicles may be carried in the vehicle in lieu of the original or they may be posted at the destination point of the route or they may be retained at the nearest office of the permittee.

(5) [Deleted.]

(f)(1) No person shall fail to provide accurate information concerning the granting of a permit.

(2) No person shall violate any of the terms, conditions, restrictions, rules or regulations published in the policy or stated on the permit. A violation of any of the terms and conditions set forth in such permit shall render the permit null and void.

(3) Any permit obtained on the basis of false or misleading data is null and void. Any fee levied for it shall not be returned or transferred.

(4) Any permit which shall be rendered null and void for whatever reason shall subject the violator to such punishment as shall be permitted by law for persons not having obtained permits in the first instance.

(g) The revenue from the fees imposed pursuant to this section shall be deposited no later than the close of the next business day following such receipt, to the credit of the Transportation Trust Fund, established pursuant to Chapter 14 of Title 2, as amended.

§ 4303 Brakes — General requirements.

(a) Every motor vehicle when operated upon a highway shall be equipped with brakes adequate to control the movement of and to stop and to hold such vehicle and any trailer or semitrailer attached thereto including 2 separate means of applying the brakes, each of which means shall be effective to apply the brakes to at least 2 wheels and shall be so constructed that no part which is liable to failure shall be common to the 2. A motorcycle need be equipped with only 1 brake. All brakes shall be maintained in good working order and shall conform to regulations, not inconsistent with this subchapter, to be promulgated by the Secretary. All brakes shall be so adjusted as to operate as equally as practicable with respect to the wheels on opposite sides of the vehicle.

(b) All braking distances specified in this subchapter shall apply to all vehicles mentioned herein, whether such vehicles are loaded or are not loaded to the maximum capacity permitted under Chapter 45 of this title.

(c) Except as provided in this subsection, no motor vehicle, when operated upon a highway in this State, shall utilize or employ any brake or braking system that is attached to, or an integral part of, the vehicle's internal combustion engine or exhaust systems. Nothing in this section shall be interpreted as prohibiting the equipping of any motor vehicle with a braking system that is attached to, or an integral part of, the vehicle's engine or exhaust systems. Nothing in this section shall be interpreted as prohibiting the use of a braking system that is attached to, or an integral part of, the vehicle's engine or exhaust system in an emergency situation or an emergency vehicle including police, fire, ambulance, emergency medical service vehicles or other emergency vehicles.

§ 4334. Tail lamps

(a) Every motor vehicle, trailer, semi-trailer and pole trailer, and any other vehicle which is being drawn at the end of a train of vehicles, shall be equipped with at least one tail lamp, mounted on the rear, which, when lighted as hereinbefore required, shall emit a red light plainly visible from a distance of 500 feet to the rear, provided that in the case of a train of vehicles only the tail lamp on the rearmost vehicle need actually be seen from the distance specified. And further, every such abovementioned vehicle, other than a truck tractor, registered in this State and manufactured or assembled after July 1, 1956, shall be equipped with at least two tail lamps' mounted on the rear, which when lighted as herein required, shall comply with the provisions of this section.

(b) Every tail lamp upon every vehicle shall be located at a height of not more than 72 inches nor less than 20 inches.

(c) Either a tail lamp or a separate lamp shall be so constructed and placed as to illuminate with a white light the rear registration plate and render it clearly legible from a distance of 50 feet to the rear. Any tail lamp or tail lamps, together with any separate lamp for illuminating the rear registration plate, shall be so wired as to be lighted whenever the head lamps or auxiliary driving lamps are lighted.

§ 4305 Brakes — Trailers and semitrailers.

No trailer or semitrailer with a gross weight of load and vehicle in excess of 4,000 pounds shall be operated on the highways of this State at a speed in excess of 10 miles per hour unless equipped with suitable brakes controlled by the operator of the towing vehicle.

§ 4191. Trailers and towed vehicles

(a) No vehicle shall be driven upon any highway drawing or having attached thereto more than 1 other vehicle, provided that a vehicle with semitrailer may draw in addition thereto 1 other vehicle, and provided further that driveway operations in transit may transport by means of saddlemount and fullmount mechanisms, utilizing the motive power of 1 of the vehicles in combination. This subsection shall not apply to farm tractors.

(b) The draw bar or other connection between any 2 vehicles 1 of which is towing or drawing the other on a highway shall not exceed 15 feet in length from 1 vehicle to the other.

Whenever such connection consists of a chain, rope or cable, there shall be displayed upon such connection a red flag or other signal or cloth not less than 12 inches both in length and width.

(c) It shall be unlawful to ride in a towed vehicle except when necessary to steer the towed vehicle.

§ 4308. Rearview mirror

All motor vehicles and motorcycles shall be equipped with a mirror so placed that the driver thereof may readily ascertain the presence of any vehicle traveling in the same direction and overtaking the driver's vehicle.