



*If you are building a homemade or custom vehicle, please contact our Technical Services Unit at (518) 474-5282 (select option 4).

BRAKES	Brakes must be adequate to control the vehicle at all times. All brakes must be in good working order and must comply with the Standards of Brake Efficiency: – Brakes applied to every wheel must be capable of stopping vehicle within 30 feet from 20 miles per hour.
CRANKCASE VENTILATING SYSTEM	Required on 1964 and newer models. Diesel, electric-powered vehicles and vehicles registered in the Special Purpose Commercial class are exempt.
AIR CONTAMINANT EMISSION SYSTEM	Required on 1968 and newer models.
DEFROSTING DEVICE	Required on 1965 and newer models. Must be in good working order to prevent the formation of snow and ice on the windshield directly in front of the operator. Exempt vehicles are: tractors for agricultural purposes; self-propelled combines; self-propelled harvesting machines and farm equipment; and self-propelled caterpillar or crawler-type equipment while being operated on a contract site.
EMERGENCY WARNING DEVICES	Trucks, truck-tractors, coaches and omnibuses with carrying capacity of 10 or more passengers must carry three, bidirectional emergency triangles, which conform to the Federal Motor Vehicle Safety Standard No. 125 (49CFR571.125)
FIRE EXTINGUISHERS	Trucks, truck-tractors and coaches not transporting a placarded quantity of hazardous materials must be equipped with a fire extinguisher having Underwriters' Laboratories (UL) rating of 5 B:C or more. Trucks, truck-tractors and coaches transporting a placarded quantity of hazardous materials must be equipped with a fire extinguisher having UL rating of 10 B:C or more. Omnibuses with carrying capacity of 10 or more passengers, must be equipped with a fire extinguisher having UL rating of 4 B:C or more.
HORN	Adequate device for producing a sound loud enough to serve as a warning. The sound must not be unnecessarily loud or harsh.
MIRRORS	Every vehicle must be equipped with a mirror or other reflecting device, adjusted so that the operator has a clear and full view of the road and conditions of traffic behind the vehicle. An outside rear-view mirror, mounted on the left (driver's) side of the vehicle, is required on 1968 and newer models.
MUFFLER	Every vehicle must be equipped with an adequate muffler. This must be a device consisting of a series of chambers or baffle plates, and/or other mechanical designs, for the purpose of receiving exhaust gas from an internal combustion engine, and must be effective in reducing noise. The use of "cut-outs" or "by-passes" is prohibited.
EXHAUST SYSTEM	Every vehicle, except electric-powered vehicles, must be equipped with an exhaust system. An exhaust system is a series of mechanical devices for the purpose of receiving exhaust gas from an internal combustion engine and expelling it into the atmosphere.
WINDSHIELD	Required on every vehicle to pass inspection.
GLAZING MATERIAL	All glazing material must be of an approved type, and may be used only as specified below: A) Windshield - requires glazing material with an AS-1, AS-10, or AS-14 rating. B) Windows to the immediate left and right of the driver and the rear-most window, if used for visibility, must be approved AS-1, 2, 3, 10, or 11 safety glass. Any other approved glazing material may be substituted in the remaining windows.
SPLASH GUARDS	It is unlawful to operate on any public highway or street in this state any tractor, commercial motor vehicle, combination of a commercial motor vehicle and trailer, or combination of a truck-tractor and semi-trailer which is not constructed or equipped to reasonably bar water or other road surface substances from being thrown by the rearmost wheels beyond the extreme rear of the vehicle or combination of vehicles, and to minimize side spray.
TIRES	A tire cannot be considered safe if there is a visible break, cut in excess of one inch, bump, bulge, ply or cord exposure, tread design completely worn or tread depth (when measured with a tire gauge) is less than 2/32 of an inch. Any tire on the front wheels of a bus, truck with a maximum gross weight in excess of 10,000 lbs., or truck tractor must have a tread depth of 4/32 of an inch.
WINDSHIELD WIPERS	Every vehicle must be equipped with suitable wipers on the driver and passenger side that clear enough of the windshield to provide reasonable driving vision.
PADDED DASHBOARD	Required on 1968 and newer commercial vehicles weighing less than 10,000 pounds.
SPEEDOMETER	Required on 1981 and newer models. The device must be capable of measuring the vehicle's speed, and of displaying it in miles per hour.

EQUIPMENT REQUIRED FOR COMMERCIAL VEHICLES (Continued)

REQUIRED LIGHTING DEVICES & REFLECTORS -	One lighting device/reflector may be used to accomplish two or more lighting purposes. All lamps, signaling devices, and reflectors must be of a type approved by the Commissioner of Motor Vehicles, as described below:	
ITEM	QUANTITY & COLOR	LOCATION (Height above road surface is measured in inches from center of item on vehicle when the vehicle is empty).
Headlights	DOT or SAE Approved System	Not less than 24" or more than 54" high.
Tail Lamps	2 Red	On the rear, one on each side; at the same height, as far apart as practicable. Not less than 15" or more than 72" high.
Stop Lamps	2 Red	SAME AS TAIL LAMPS
Number Plate Light	1 White (minimum of 1)	On the rear number plate to light it from the top or side.
Parking Lamps*	2 Amber	On the front, one on each side; at the same height, as far apart as practicable. Not less than 15" or more than 72" high.
Reflex Reflectors	2 Amber and 2 Red	2 amber showing to the front; 2 red showing to the rear; at the same height and as far apart as practicable. Not less than 15" or more than 60" high.
Backup Lights (1969 and newer)	1 White (minimum of 1)	Showing to the rear.
Turn Signal Lamps (1953 and newer)	2 Red and 2 Amber or 4 Amber. Class "A". (If double face lamp is used on the front, it may show amber or red to the rear).	Amber lamp at or near the front, on each side, at the same height and as far apart as practicable. On the rear - one red or amber on each side; at the same height and as far apart as practicable. All must not be less than 15" or more than 83" high.
Side Marker Lamps (1976 and newer)	2 Red and 2 Amber	On each side, 1 red on rear, 1 amber on front, as near the corners as practicable. Not less than 15" or more than 60" high.
Intermediate Side Marker Lamp (required if 30 feet or longer)	2 Amber	On each side, located at the mid-point between the front & rear marker lamp, at the same height as side marker lamps.
Side Reflex Reflectors & Intermediate Side Reflex Reflectors	Same requirements as side marker lamps	Same requirements as side marker lamps.
Clearance Lamps**	2 Amber and 2 Red	2 amber lamps showing to the front, 2 red lamps showing to the rear to indicate the overall width of the vehicle. All at the same height, and as near the top as practicable.
Identification Lamp **	1 set Red and 1 set Amber	Amber in front, red in rear - as close as practicable to the top of the vehicle and as close as practicable to the centerline at the same height. The lamp centers are to be spaced not less than 6" or more than 12" apart.

* Not required on vehicles 80" and over in width.

** Applies only to vehicles 80" or over in width.

HAZARD WARNING SIGNAL	Required on 1966 and newer models. This device lets the operator flash the two front and two rear directional signals simultaneously.
TRACTOR	Does not have to be equipped with any rear side marker devices, rear clearance lamps or rear identification lamps.
BUMPERS	Required on 1990 or newer models, except tractors, or special purpose commercial vehicles registered in this state, which are constructed so the body, or the chassis assembly without the body, has a clearance at the rear end of more than thirty inches from the ground when the vehicle is empty, unless the rear end of the vehicle or combination of vehicles is equipped with bumpers or devices serving similar purposes, that are constructed and located such that: (1) some part of the bumpers or devices are at least sixteen, but not more than thirty inches, above the ground when the vehicle is empty; (2) the maximum distance between the closest points between bumpers or devices, if more than one is used, does not exceed twenty-four inches; (3) the maximum transverse distance from the widest part of the vehicle at the rear to the bumper or device does not exceed eighteen inches; (4) the bumpers or devices are located not more than twenty-four inches forward of the extreme rear of the vehicle; and (5) the bumpers or devices are substantially constructed and firmly attached. Vehicles constructed and maintained so the body, chassis, or other parts of the vehicle afford the rear end the protection contemplated, shall be considered to be in compliance.