

Mayodan Police Department

North Carolina Laws Regarding Lights on Vehicles 08/01/2003

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§20-129. Required lighting equipment of vehicles.

(a) When Vehicles Must Be Equipped. Every vehicle upon a highway within this State shall be equipped with lighted headlamps and rear lamps as required for different classes of vehicles, and subject to exemption with reference to lights on parked vehicles as declared in G.S. 20-134:

(1) During the period from sunset to sunrise,

(2) When there is not sufficient light to render clearly discernible any person on the highway at a distance of 400 feet ahead, or

(3) (Repealed.)

(4) At any other time when windshield wipers are in use as a result of smoke, fog, rain, sleet, or snow, or when inclement weather or environmental factors severely reduce the ability to clearly discern persons and vehicles on the street and highway at a distance of 500 feet ahead, provided, however, the provisions of this subdivision shall not apply to instances when windshield wipers are used intermittently in misting rain, sleet, or snow. Any person violating this subdivision during the period from October 1, 1990,

through December 31, 1991, shall be given a warning of the violation only. Thereafter, any person violating this subdivision shall have committed an infraction and shall pay a fine of five dollars (\$5.00) and shall not be assessed court costs. No Drivers license points, insurance points or premium surcharge shall be assessed on account of violation of this subdivision and no negligence or liability shall be assessed or imputed to any party on account of a violation of this subdivision. The Commissioner of Motor Vehicles and the Superintendent of Public Instruction shall incorporate into driver education programs and driver licensing programs instruction designed to encourage compliance with this subdivision as an important means of reducing accidents by making vehicles more discernible during periods of limited visibility.

(b) Headlamps on Motor Vehicles. Every self-propelled motor vehicle other than motorcycles, road machinery, and farm tractors shall be equipped with at least two headlamps, all in good operating condition with at least one on each side of the front of the motor vehicle. Headlamps shall comply with the requirements and limitations set forth in G.S. 20-131 or 20-132.

(c) Headlamps on Motorcycles. Every motorcycle shall be equipped with at least one and not more than two headlamps which shall comply with the requirements and limitations set forth in G.S. 20-131 or 20-132. The headlamps on a motorcycle shall be lighted at all times while the motorcycle is in operation on highways or public vehicular areas.

(d) Rear Lamps. Every motor vehicle, and every trailer or semitrailer attached to a motor vehicle and every vehicle which is being drawn at the end of a combination of vehicles, shall have all originally equipped rear lamps or the equivalent in good working order, which lamps shall exhibit a red light plainly visible under normal atmospheric conditions from a distance of 500 feet to the rear of such vehicle. One rear lamp or a separate lamp shall be so constructed and placed that the number plate carried on the rear of such vehicle shall under like conditions be illuminated by a white light as to be read from a distance of 50 feet to the rear of such vehicle. Every trailer or semitrailer shall carry at the rear, in addition to the originally equipped lamps, a red reflector of the type which has been approved by the Commissioner and which is so located as to height and is so maintained as to be visible for at least 500 feet when opposed by a motor vehicle displaying lawful undimmed lights at night on an unlighted highway.

Notwithstanding the provisions of the first paragraph of this subsection, it shall not be necessary for a trailer weighing less than 4,000 pounds, or a trailer described in G.S. 20-51(6) weighing less than 6,500 pounds, to carry or be equipped with a rear lamp, provided such vehicle is equipped with and carries at the rear two red reflectors of a diameter of not less than three inches, such reflectors to be approved by the Commissioner, and which are so designed and located as to height and are maintained so that each reflector is visible for at least 500 feet when approached by a motor vehicle displaying lawful undimmed headlights at night on an unlighted highway.

The rear lamps of a motorcycle shall be lighted at all times while the motorcycle is in operation on highways or public vehicular areas.

(e) Lamps on Bicycles. Every bicycle shall be equipped with a lighted lamp on the front thereof, visible under normal atmospheric conditions from a distance of at least 300 feet in front of such bicycle, and shall also be equipped with a reflex mirror or lamp on the rear, exhibiting a red light visible under like conditions from a distance of at least 200 feet to the rear of such bicycle, when used at night.

(f) Lights on Other Vehicles. All vehicles not heretofore in this section required to be equipped with specified lighted lamps shall carry on the left side one or more lighted lamps or lanterns projecting a white light, visible under normal atmospheric conditions from a distance of not less than 500 feet to the front of such vehicle and visible under like conditions from a distance of not less than 500 feet to the rear of such vehicle, or in lieu of said lights shall be equipped with reflectors of a type which is approved by the Commissioner. Farm tractors operated on a highway at night must be equipped with at least one white lamp visible at a distance of 500 feet from the front of the tractor and with at least one red lamp visible at a distance of 500 feet to the rear of the tractor. Two red reflectors each having a diameter of at least four inches may be used on the rear of the tractor in lieu of the red lamp.

(g) No person shall sell or operate on the highways of the State any motor vehicle, motorcycle or motor-driven cycle, manufactured after December 31, 1955, unless it shall be equipped with a stop lamp on the rear of the vehicle. The stop lamp shall display a red or amber light visible from a distance of not less than 100 feet to the rear in normal sunlight, and shall be actuated upon application of the service (foot) brake. The stop lamp may be incorporated into a unit with one or more other rear lamps.

(Chgd. by 1999 - 281, §1, eff. 10/1/99.)

§20-129.1. Additional lighting equipment required on certain vehicles.

In addition to other equipment required by this Chapter, the following vehicles shall be equipped as follows:

(1) On every bus or truck, whatever its size, there shall be the following:

On the rear, two reflectors, one at each side, and one stoplight.

(2) On every bus or truck 80 inches or more in overall width, in addition to the requirements in subdivision (1):

On the front, two clearance lamps, one at each side.

On the rear, two clearance lamps, one at each side.

On each side, two side marker lamps, one at or near the front and one at or near the rear.

On each side, two reflectors, one at or near the front and one at or near the rear.

(3) On every truck tractor:

On the front, two clearance lamps, one at each side.

On the rear, one stoplight.

(4) On every trailer or semitrailer having a gross weight of 4,000 pounds or more:

On the front, two clearance lamps, one at each side.

On each side, two side marker lamps, one at or near the front and one at or near the rear.

On each side, two reflectors, one at or near the front and one at or near the rear.

On the rear, two clearance lamps, one at each side, also two reflectors, one at each side, and one stoplight.

(5) On every pole trailer having a gross weight of 4,000 pounds or more:

On each side, one side marker lamp and one clearance lamp which may be in combination, to show to the front, side and rear.

On the rear of the pole trailer or load, two reflectors, one at each side.

(6) On every trailer, semitrailer or pole trailer having a gross weight of less than 4,000 pounds:

On the rear, two reflectors, one on each side. If any trailer or semitrailer is so loaded or is of such dimensions as to obscure the stoplight on the towing vehicle, then such vehicle shall also be equipped with one stoplight.

(7) Front clearance lamps and those marker lamps and reflectors mounted on the front or on the side near the front of a vehicle shall display or reflect an amber color.

(8) Rear clearance lamps and those marker lamps and reflectors mounted on the rear or on the sides near the rear of a vehicle shall display or reflect a red color.

(9) Brake lights (and/or brake reflectors) on the rear of a motor vehicle shall have red lenses so that the light displayed is red. The light illuminating the license plate shall be white. All other lights shall be white, amber, yellow, clear or red.

(10) On every trailer and semitrailer which is 30 feet or more in length and has a gross weight of 4,000 pounds or more, one combination marker lamp showing amber and mounted on the bottom side rail at or near the center of each side of the trailer.

(Chgd. by 2000 - 159, §10, eff. 5/1/2001.)

§20-129.2. Lighting equipment for mobile homes.

Notwithstanding the provisions of G.S. 20-129 and 20-129.1, the lighting equipment required to be provided and equipped on a house trailer, mobile home, modular home, or structural component thereof shall be as designated by the Commissioner of Motor Vehicles and from time to time promulgated by regulation of the Division.

§20-130. Additional permissible light on vehicle.

(a) Spot Lamps. Any motor vehicle may be equipped with not to exceed two spot lamps, except that a motorcycle shall not be equipped with more than one spot lamp, and every lighted spot lamp shall be so aimed and used upon approaching another vehicle that no part of the beam will be directed to the left of the center of the highway nor more than 100 feet ahead of the vehicle. No spot lamps shall be used on the rear of any vehicle.

(b) Auxiliary Driving Lamps. Any motor vehicle may be equipped with not to exceed two auxiliary driving lamps mounted on the front, and every such auxiliary driving lamp or lamps shall meet the requirements and limitations set forth in G.S. 20-131, subsection (c).

(c) Restrictions on Lamps. Any device, other than headlamps, spot lamps, or auxiliary driving lamps, which projects a beam of light of an intensity greater than 25 candlepower, shall be so directed that no part of the beam will strike the level of the surface on which the vehicle stands at a distance of more than 50 feet from the vehicle.

(d) Electronically Modulated Headlamps. Nothing contained in this Chapter shall prohibit the use of electronically modulated headlamps on motorcycles, law-enforcement and fire department vehicles, county fire marshals and Emergency Management coordinators, public and private ambulances, and rescue squad emergency service vehicles, provided such headlamps and light modulator are of a type or kind which have been approved by the Commissioner of Motor Vehicles.

§20-130.1. Use of red or blue lights on vehicles prohibited; exceptions.

(a) It is unlawful for any person to install or activate or operate a red light in or on any vehicle in this State. As used in this subsection, unless the context requires otherwise, "red light" means an operable red light not sealed in the manufacturer's original package which: (i) is designed for use by an emergency vehicle or is similar in appearance to a red light designed for use by an emergency vehicle; and (ii) can be operated by use of the vehicle's battery, vehicle's electrical system, or a dry cell battery.

(b) The provisions of subsection (a) of this section do not apply to the following:

(1) A police car;

(2) A highway patrol car;

(3) A vehicle owned by the Wildlife Resources Commission and operated exclusively for law-enforcement purposes;

(4) An ambulance;

(5) A vehicle used by an organ procurement organization or agency or the recovery and transportation of blood, human tissues, or organs for transplantation;

(6) A fire-fighting vehicle;

(7) A school bus;

(8) A vehicle operated by any member of a municipal or rural fire department in the performance of his duties, regardless of whether members of that fire department are paid or voluntary;

(9) A vehicle of a voluntary lifesaving organization (including the private vehicles of the members of such an organization) that has been officially approved by the local police authorities and which is manned or operated by members of that organization while answering an official call;

(10) A vehicle operated by medical doctors or anesthetists in emergencies;

(11) A motor vehicle used in law enforcement by the sheriff, or any salaried rural policeman in any county, regardless of whether or not the county owns the vehicle;

(11a) A vehicle operated by the State Fire Marshal or his representatives in the performance of their duties, whether or not the State owns the vehicle;

(12) A vehicle operated by any county fire marshal, assistant fire marshal, or emergency management coordinator in the performance of his duties, regardless of whether or not the county owns the vehicle;

(13) A light required by the Federal Highway Administration;

(14) A vehicle operated by a transplant coordinator who is an employee of an organ procurement organization or agency when the transplant coordinator is responding to a call to recover or transport human tissues or organs for transplantation;

(15) A vehicle operated by an emergency medical service as an emergency support vehicle; and

(16) A State emergency management vehicle.

(c) It is unlawful for any person to possess a blue light or to install, activate, or operate a blue light in or on any vehicle in this State, except for a publicly owned vehicle used for law enforcement purposes or any other vehicle when used by law enforcement officers in the performance of their official duties. As used in this subsection, unless the context requires otherwise, "blue light" means an operable blue light which:

(1) Is not (i) being installed on, held in inventory for the purpose of being installed on, or held in inventory for the purpose of sale for installation on a vehicle on which it may be lawfully operated or (ii) installed on a vehicle which is used solely for the purpose of demonstrating the blue light for sale to law enforcement personnel;

(1a) Is designed for use by an emergency vehicle, or is similar in appearance to a blue light designed for use by an emergency vehicle; and

(2) Can be operated by use of the vehicle's battery, the vehicle's electrical system, or a dry cell battery.

(d) (Repealed.)

(e) Violation of subsection (a) or (c) of this section is a Class 1 misdemeanor.

(Chgd. by 1999 - 249, §1, eff. 12/1/99.)

§20-130.2. Use of amber lights on certain vehicles.

All wreckers operated on the highways of the State shall be equipped with an amber-colored flashing light which shall be so mounted and located as to be clearly visible in all directions from a distance of 500 feet, which light shall be activated when at the scene of an accident or recovery operation and when towing a vehicle which has a

total outside width exceeding 96 inches or which exceeds the width of the towing vehicle. It shall be lawful to equip any other vehicle with a similar warning light including, but not by way of limitation, maintenance or construction vehicles or equipment of the Department of Transportation engaged in performing maintenance or construction work on the roads, maintenance or construction vehicles of any person, firm or corporation, Radio Emergency Associated Citizens Team (REACT) vehicles, and any other vehicles required to contain a warning light.

§20-130.3. Use of white or clear lights on rear of vehicles prohibited; exceptions.

It shall be unlawful for any person to willfully drive a motor vehicle in forward motion upon the highways of this State displaying white or clear lights on the rear of said vehicle. The provisions of this section shall not apply to the white light required by G.S. 20-129(d) or so-called backup lights lighted only when said vehicle is in reverse gear or backing. Violation of this section does not constitute negligence per se in any civil action.

§20-131. Requirements as to headlamps and auxiliary driving lamps.

(a) The headlamps of motor vehicles shall be so constructed, arranged, and adjusted that, except as provided in subsection (c) of this section, they will at all times mentioned in G.S. 20-129, and under normal atmospheric conditions and on a level road, produce a driving light sufficient to render clearly discernible a person 200 feet ahead, but any person operating a motor vehicle upon the highways, when meeting another vehicle, shall so control the lights of the vehicle operated by him by shifting, depressing, deflecting, tilting, or dimming the headlight beams in such manner as shall not project a glaring or dazzling light to persons within a distance of 500 feet in front of such headlamp. Every new motor vehicle, other than a motorcycle or motor-driven cycle, registered in this State after January 1, 1956, which has multiple-beam road-lighting equipment shall be equipped with a beam indicator, which shall be lighted whenever the uppermost distribution of light from the headlamps is in use, and shall not otherwise be lighted. Said indicator shall be so designed and located that when lighted it will be readily visible without glare to the driver of the vehicle so equipped.

(b) Headlamps shall be deemed to comply with the foregoing provisions prohibiting glaring and dazzling lights if none of the main bright portion of the headlamp beams rises above a horizontal plane passing through the lamp centers parallel to the level road upon which the loaded vehicle stands, and in no case higher than 42 inches, 75 feet ahead of the vehicle.

(c) Whenever a motor vehicle is being operated upon a highway, or portion thereof, which is sufficiently lighted to reveal a person on the highway at a distance of 200 feet ahead of the vehicle, it shall be permissible to dim the headlamps or to tilt the beams downward or to substitute therefor the light from an auxiliary driving lamp or pair

of such lamps, subject to the restrictions as to tilted beams and auxiliary driving lamps set forth in this section.

(d) Whenever a motor vehicle meets another vehicle on any highway it shall be permissible to tilt the beams of the headlamps downward or to substitute therefor the light from an auxiliary driving lamp or pair of such lamps subject to the requirement that the tilted headlamps or auxiliary lamp or lamps shall give sufficient illumination under normal atmospheric conditions and on a level road to render clearly discernible a person 75 feet ahead, but shall not project a glaring or dazzling light to persons in front of the vehicle: Provided, that at all times required in G.S. 20-129 at least two lights shall be displayed on the front of and on opposite sides of every motor vehicle other than a motorcycle, road roller, road machinery, or farm tractor.

(e) No city or town shall enact an ordinance in conflict with this section.

§20-132. Acetylene lights.

Motor vehicles eligible for a Historic Vehicle Owner special registration plate under G.S. 20-79.4 may be equipped with two acetylene headlamps of approximately equal candlepower when equipped with clear plane-glass fronts, bright six-inch spherical mirrors, and standard acetylene five-eighths foot burners not more and not less and which do not project a glaring or dazzling light into the eyes of approaching drivers.