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SENATE BILL NO. 855

Senate Amendments in [] - January 24, 2023

Prefiled December 30, 2022

A BILL to amend and reenact §§ 46.2-1011, 46.2-1012, and 46.2-1015 of the Code of Virginia, relating to headlights; aftermarket modifications; blue lights.

Patrons Prior to Engrossment—Senator Spruill; Delegate: Kory

Referred to Committee on Transportation

Be it enacted by the General Assembly of Virginia:

1. That §§ 46.2-1011, 46.2-1012, and 46.2-1015 of the Code of Virginia are amended and reenacted as follows:

§ 46.2-1011. Headlights on motor vehicles.

Every motor vehicle other than a motorcycle, auticycle, road roller, road machinery, or tractor used on a highway shall be equipped with at least two headlights as approved by the Superintendent, at the front of and on opposite sides of the motor vehicle.

Such headlights shall not have any aftermarket modifications that cause the headlights to appear as a blue light [; such as by covering the headlights with a tinting film or by using blue bulbs ; however, such prohibition shall not be construed to prohibit the installation and use of headlights of types approved by the Superintendent] .

§ 46.2-1012. Headlights, auxiliary headlights, tail lights, brake lights, auxiliary lights, and illumination of license plates on motorcycles or autocycles.

Every motorcycle or auticycle shall be equipped with at least one headlight which shall be of a type that has been approved by the Superintendent and shall be capable of projecting sufficient light to the front of such motorcycle or auticycle to render discernible a person or object at a distance of 200 feet. ~~However, the lights shall not project a glaring or dazzling light to persons approaching such motoreycles or autocycles.~~ In addition, each motorcycle or auticycle may be equipped with not more than two auxiliary headlights of a type approved by the Superintendent except as otherwise provided in this section. *However, headlights shall not (i) project a glaring or dazzling light to persons approaching such motorcycles or autocycles or (ii) have any aftermarket modifications that cause such headlights to appear as a blue light [; such as by covering the headlights with a tinting film or by using blue bulbs . Such prohibition shall not be construed to prohibit the installation and use of headlights of types approved by the Superintendent] .*

Motorcycles or autocycles may be equipped with means of modulating the high beam of their headlights between high and low beam at a rate of 200 to 280 flashes per minute. Such headlights shall not be so modulated during periods when headlights would ordinarily be required to be lighted under § 46.2-1030.

Notwithstanding § 46.2-1002, motorcycles or autocycles may be equipped with standard bulb running lights or light-emitting diode (LED) pods or strips as auxiliary lighting. Such lighting shall be (i) either red or amber in color, (ii) directed toward the ground in such a manner that no part of the beam will strike the level of the surface on which the motorcycle or auticycle stands at a distance of more than 10 feet from the vehicle, and (iii) designed for vehicular use. Such lighting shall not (a) project a beam of light of an intensity greater than 25 candlepower or 314.25 lumens or its equivalent from a single lamp or bulb; (b) be blinking, flashing, oscillating, or rotating; or (c) be attached to the wheels of the motorcycle or auticycle.

Every motorcycle or auticycle registered in the Commonwealth and operated on the highways of the Commonwealth shall be equipped with at least one brake light of a type approved by the Superintendent. Motorcycles or autocycles may be equipped with one or more auxiliary brake lights of a type approved by the Superintendent. The Superintendent may by regulation prescribe or limit the size, number, location, and configuration of such auxiliary brake lights.

Every motorcycle or auticycle shall carry at the rear at least one or more red lights plainly visible in clear weather from a distance of 500 feet to the rear of such vehicle. Such tail lights shall be constructed and so mounted in their relation to the rear license plate as to illuminate the license plate with a white light so that the same may be read from a distance of 50 feet to the rear of such vehicle. Alternatively, a separate white light shall be so mounted as to illuminate the rear license plate from a distance of 50 feet to the rear of such vehicle. Any such tail lights or special white light shall be of a type approved by the Superintendent.

Motorcycles or autocycles may be equipped with a means of varying the brightness of the vehicle's

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59 brake light upon application of the vehicle's brakes.

60 **§ 46.2-1015. Lights on bicycles, electric personal assistive mobility devices, personal delivery**
61 **devices, electric power-assisted bicycles, mopeds, and motorized skateboards or scooters.**

62 A. Every bicycle, electric personal assistive mobility device, personal delivery device, electric
63 power-assisted bicycle, moped, and motorized skateboard or scooter with handlebars when in use
64 between sunset and sunrise shall be equipped with a headlight on the front emitting a white light visible
65 in clear weather from a distance of at least 500 feet to the front and a red reflector visible from a
66 distance of at least 600 feet to the rear when directly in front of lawful lower beams of headlights on a
67 motor vehicle. Such lights and reflector shall be of types approved by the Superintendent. *Such*
68 *headlights shall not have any aftermarket modifications that cause the headlights to appear as a blue*
69 *light [; such as by covering the headlights with a tinting film or by using blue bulbs ; however, such*
70 *prohibition shall not be construed to prohibit the installation and use of headlights of types approved by*
71 *the Superintendent] .*

72 In addition to the foregoing provisions of this section, a bicycle or its rider may be equipped with
73 lights or reflectors. These lights may be steady burning or blinking.

74 B. Every bicycle, or its rider, shall be equipped with a taillight on the rear emitting a red light
75 plainly visible in clear weather from a distance of at least 500 feet to the rear when in use between
76 sunset and sunrise and operating on any highway with a speed limit of 35 mph or greater. Any such
77 taillight shall be of a type approved by the Superintendent.