

B.C. Reg. 151/2002
Insurance Corporation of British Columbia

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Motor Vehicle Act

MOTOR ASSISTED CYCLE REGULATION

[includes amendments up to B.C. Reg. 56/2018, March 22, 2018]

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Motors **1**

The motors of a motor assisted cycle must

- (a) be electric motors,
- (b) have continuous power output ratings that in total do not exceed 500 watts, and
- (c) not be capable of propelling the motor assisted cycle at a speed greater than 32 km/hr on level ground.

[en. B.C. Reg. 56/2018, s. 1.]

Wheels **2**

- (1) The wheels of a motor assisted cycle must be 350 mm or more in diameter.
- (2) A motor assisted cycle must not have more than 3 wheels in contact with the ground.

Motor shut-off requirement

- 3** (1) A motor assisted cycle must be equipped with a mechanism, separate from the accelerator controller, that
- (a) allows the driver to turn the motors on and off from a normal seated position while operating the motor assisted cycle, or
 - (b) prevents the motors from turning on or engaging before the motor assisted cycle attains a speed of 3 km/hr.
- (2) The motors of a motor assisted cycle must turn off or disengage if
- (a) the operator stops pedaling,
 - (b) an accelerator controller is released, or
 - (c) a brake is applied.

[am. B.C. Reg. 56/2018, s. 2.]

Generators

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A motor assisted cycle must not be equipped with a generator, alternator or similar device powered by a combustion engine.

Brake performance requirement

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- (1) A motor assisted cycle must be equipped with brakes on all wheels or on each axle.
- (2) The braking system must be capable of bringing the motor assisted cycle, while being operated at a speed of 30 km/hr, to a full stop within 9 m from the point at which the brakes were applied.

Drive system and equipment securement

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The motor drive systems and all energy storage devices of a motor assisted cycle must be secured to prevent movement in any direction relative to the motor assisted cycle while the motor assisted cycle is operating.

[am. B.C. Reg. 56/2018, s. 3.]

Electrical terminals

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All electrical terminals on a motor assisted cycle must be completely insulated or covered.

[Provisions relevant to the enactment of this regulation: [Motor Vehicle Act](#), R.S.B.C. 1996, c. 318, s. 182.1]