

B.C. Reg. 26/58  
O.C. 1004/58

*Motor Vehicle Act*

**MOTOR VEHICLE ACT REGULATIONS**

[includes amendments up to B.C. Reg. 57/2006, March 28, 2006]

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**MOTOR VEHICLE ACT REGULATIONS — *Continued***

**B.C. Reg. 26/58**

**Division 1 — Interpretation**

**Interpretation**

**1** In these regulations, unless the context otherwise requires:

**"all terrain vehicle"** means a wheeled or tracked vehicle designed primarily for recreational use or for the transportation of property or equipment exclusively on marshland, open country or other unprepared surfaces and includes any trailer attached to the vehicle;

**"centre high-mounted stop lamp"** means a centre mounted lamp, supplemental to a stop lamp, that is capable of displaying red light visible to the rear of a vehicle;

**"daytime running lamp"** means a lamp used to improve the visibility of a vehicle when the vehicle is viewed from the front in daylight;

**"distance"** means, with respect to a lamp or illuminating device, the distance as measured from the light source of an unloaded vehicle on a straight, level and unlighted highway under normal atmospheric conditions from 1/2 hour after sunset to 1/2 hour before sunrise, unless a different time or condition is expressly stated;

**"headlamp"** means a lamp, mounted on a motor vehicle, that is capable of displaying white light, the rays of which are projected forward, but does not include a spotlamp, cowl lamp, parking lamp, fog lamp, clearance lamp, auxiliary driving lamp or daytime running lamp;

**"height"**, when used with respect to a lamp or reflector, means the vertical distance as measured from the road surface to the centre of a lamp or reflector of an unloaded vehicle on a level road surface;

**"limited speed motorcycle"** means a motorcycle that

(a) is equipped with a motor having

(i) a piston displacement of not more than 50 cc, or

(ii) a power source that produces a maximum of 1.5 kW,

(b) has a power drive system that does not require clutching or shifting by the operator after the drive system is engaged,

(c) has a maximum attainable speed on level ground, with or without pedals, of 70 km/hr,

(d) has a maximum weight of 95 kg excluding fuel or batteries used to store energy for vehicle propulsion, and

(e) has wheels of a diameter of 254 mm or more;

**"off-road lamp"** means a lamp designed for any use other than those specified in Division 4 of these regulations;

**"pneumatic tire"** means a tire made of rubber or other resilient material and which

**"reflective marking"** means a reflective tape or rigid plastic reflector that complies with all the requirements for reflective devices as stated in Technical Standards Document No. 108 of the Motor Vehicle Safety Regulation (Canada);

### **Division 3 — Display and Use of Number Plates**

#### **Prohibition**

**3.01** No person shall drive or operate a vehicle on a highway unless it bears number plates in compliance with this Division.

[en. B.C. Reg. 147/79, s. 2.]

#### **Attachment of number plates**

**3.011** Number plates for a vehicle shall be attached

(b) where, under the Act, a single number plate is issued and authorized for display on a vehicle, to the rear of the vehicle.

[en. B.C. Reg. 147/79, s. 2.]

#### **Attachment of validation decal**

**3.012** Where a validation decal is issued under the Act for attachment to a number plate, it shall be applied to the designated place on the rear number plate.

[en. B.C. Reg. 147/79, s. 2.]

#### **Number plates in horizontal position**

**3.02** A number plate shall at all times be securely fastened in a horizontal position to the vehicle for which it is issued.

#### **Plates to be unobstructed**

**3.03** A number plate must be kept entirely unobstructed and free from dirt or foreign material, so that the numbers and letters on it may be plainly seen and read at all times and so that the numbers and letters may be accurately photographed using a speed monitoring device or traffic light safety device prescribed under section 83.1 of the Act.

[en. B.C. Reg. 185/96, s. 1; am. B.C. Reg. 215/99, App. 1, s. 1.]

### **Division 4 — Lamps**

### **Hours prescribed for lighted lamps**

**4.01** A person who drives or operates a vehicle on a highway must illuminate the lamps required by this Division

- (a) from 1/2 hour after sunset to 1/2 hour before sunrise, and
- (b) at any other time when, due to insufficient light or unfavourable atmospheric conditions, objects on the highway are not clearly discernible at a distance of 150 m.

[en. B.C. Reg. 476/98, s. 2.]

### **General lighting requirements**

**4.02** (1) A vehicle on a highway must only be equipped with and use lamps, reflectors or other illuminating devices authorized by this Division or authorized in writing by the director.

(2) A vehicle on a highway must be equipped with lamps equivalent to those provided by the original manufacturer in accordance with the requirements that applied under the *Motor Vehicle Safety Act* (Canada), or a predecessor to that Act, at the time of vehicle manufacture.

(3) All lamps, lamp bulbs and reflectors required or permitted by this Division must comply with

- (a) the approved standards established by the *Motor Vehicle Safety Act* (Canada) and the applicable SAE standards,
- (b) the conditions of use described in this Division, and
- (c) the requirements of Table 1 of the Schedule to this Division.

(4) The function of 2 or more lamps or reflectors may be combined if each function meets the following requirements:

- (a) no turn signal lamp may be combined optically with a stop lamp unless the stop lamp is extinguished when the turn signal is flashing;
- (b) a clearance lamp must not be combined optically with a tail-lamp or identification lamp.

(5) The director may exempt vehicles or classes of vehicles from the requirements of this section.

[en. B.C. Reg. 476/98, s. 2; am. B.C. Reg. 135/2003, s. 1.]

### **Mounting of lamps and reflectors**

**4.03** (1) If 2 lamps of the same type are required or permitted on a vehicle, the lamps must be mounted at the same height unless otherwise specified in this Division.

(2) If 2 lamps of the same type are required or permitted on the side, front or rear of a vehicle, the lamps must, unless otherwise specified in this Division, be mounted with one lamp at or near the extreme left and one lamp at or near the extreme right of the vehicle, so as to indicate the approximate width of the vehicle.

[en. B.C. Reg. 476/98, s. 2.]

## **General maintenance**

**4.04** (1) Lighting devices required by this Division must be maintained in good working order.

(2) Lamps and reflectors required by this Division

(a) must be securely mounted on the vehicle,

(b) must not have any cracked, broken, missing or incorrectly installed lenses, and a lamp must not have bent or broken rims that allow water to enter the lamp, and

(c) must not be shielded, covered or obscured by any part of the vehicle or load or by dirt or other material.

[en. B.C. Reg. 476/98, s. 2.]

## **Headlamps**

**4.05** (1) A motor vehicle must be equipped with either one or 2 headlamps mounted on each side of the front of the vehicle and capable of displaying white light.

(2) The headlamps must be mounted at a height of not less than 56 cm and not more than 1.37 m.

(3) Subsection (2) does not apply to highway construction and maintenance equipment.

(4) Despite subsection (1), a motorcycle must be equipped with at least one and not more than 2 headlamps.

(5) A motorcycle manufactured after December 31, 1974 must be equipped with a headlamp or headlamps which automatically turn on when the engine of the motorcycle is started and which remain illuminated as long as the engine is running.

(6) The headlamp on a motorcycle travelling at less than 50 km/h must reveal an object at a distance of 30 m.

(7) The headlamp on a motorcycle travelling at 50 km/h or more must reveal an object at a distance of 60 m.

(8) A motorcycle may be equipped with modulating headlamps if the headlamps comply with section 5.6 of the Technical Standards Document No. 108, Motor Vehicle Safety Regulations (Canada).

[en. B.C. Reg. 476/98, s. 2.]

## **Multiple beam headlamps**

**4.06** (1) The headlamps of a motor vehicle must function so that the driver may select lamps capable of displaying

(a) an upper beam of light which, regardless of the load on the vehicle, will reveal an object at a distance of 100 m, and

(b) a lower beam of light which, regardless of the load on the vehicle, will reveal an object at a distance of 30 m and the high intensity portion of the lower beam will not strike the eye of an oncoming driver.

(2) The lighting system must include a tell-tale lamp which clearly indicates when the upper beam of light is being displayed.

(3) Subsection (2) does not apply to a motor vehicle manufactured before January 1, 1940.

(4) If an automatic dimmer switch is installed, the device must have a manual control.

(5) A person who drives or operates a motor vehicle must not illuminate the upper beam of a headlamp if another motor vehicle is within a distance of 150 m from that vehicle, unless the driver has overtaken and passed the other vehicle, so that the high intensity portion of the beam does not strike or reflect into the eye of the other driver.

(6) Whenever a motor vehicle is parked or standing on a highway, the upper beam of the motor vehicle headlamps must not be illuminated.

[en. B.C. Reg. 476/98, s. 2.]

### **Single beam headlamps**

**4.07** Despite section 4.06, a motor vehicle, including a motorcycle, may be equipped with single beam headlamps instead of multiple beam headlamps if

(a) the illuminated headlamps reveal an object at a distance of 60 m, and

(b) each headlamp is mounted and directed so that the high intensity portion of the beam is, at a distance of 8 m from the headlamp, at least 12 cm below the height of the headlamp and, at a distance of 25 m from the lamp, not higher than 1.06 m from the road surface.

[en. B.C. Reg. 476/98, s. 2.]

### **Auxiliary driving lamps**

**4.09** (1) A motor vehicle may be equipped with 2 auxiliary driving lamps, mounted on the front of the vehicle at a height of not less than 40 cm and not more than 1.06 m, that are capable of displaying only white light.

(2) An auxiliary driving lamp must be directed so that the high intensity portion of the beam is, at a distance of 8 m from the lamp, at least 12 cm below the height of the lamp and, at a distance of 25 m from the lamp, not higher than 1.06 m from the road surface.

(3) An auxiliary driving lamp must operate so that it is illuminated only when the upper beam of a multiple beam headlamp is illuminated.

[en. B.C. Reg. 476/98, s. 2.]

### **Turn signal devices**

**4.13** (1) A vehicle may be equipped and mounted with

(a) a lamp type turn signal system, or

(b) a semaphore turn signal device,

functionally equivalent to original equipment supplied by the vehicle manufacturer or of a type or make approved by the director.

(2) A lamp type turn signal system must

(a) have 2 lamps, mounted on the front of the vehicle, that are capable of displaying flashes of white or amber light which are visible to the front,

(b) have 2 lamps, mounted on the rear of the vehicle, that are capable of displaying flashes of red or amber light which are visible to the rear,

(c) be visible on each side of the vehicle at a distance of 100 m in normal sunlight at an angle of 45° from the longitudinal axis of the vehicle, and

(d) include a tell-tale lamp which gives a clear indication that the system is activated.

(3) During the time specified in section 4.01, a semaphore turn signal device must be capable of illumination by light or reflection visible from a distance of 100 m.

(4) A public passenger vehicle or a commercial vehicle that weighs more than 4 500 kg may be equipped with supplementary turn signal lamps in addition to the turn signal system required by subsection (2).

(5) A turn signal lamp must be mounted on the vehicle at a height of not less than 38 cm and not more than 1.83 m.

(6) Subsection (5) does not apply to highway construction vehicles, maintenance vehicles, tow cars or vehicles being towed by a tow car.

(7) A vehicle which is being transported in a drive-away/tow-away operation, or is being towed by a tow car, must have turn signals that are synchronized with the turn signals of the towing vehicle when the tow vehicle turn signals are illuminated.

(8) Despite subsection (5), a tow car may be equipped with supplementary turn signal lamps mounted within the maximum allowable vehicle height (4.15 m) and as far forward as the rear of the cab.

(9) The centre of the front signal lamps must be at least 10 cm from the edge of the low beam headlamps

[en. B.C. Reg. 476/98, s. 2; am. B.C. Reg. 135/2003, s.1.]

### **Tail lamps**

**4.15** (1) A motor vehicle, trailer or semitrailer must be equipped with 2 tail lamps, mounted on the rear of the motor vehicle, trailer or semitrailer, that are capable of displaying only red light visible from a distance of 150 m to the rear on both sides of the motor vehicle, trailer or semitrailer at an angle of 45° from the longitudinal axis of the motor vehicle, trailer or semitrailer.

(2) Despite subsection (1),

(a) a motorcycle may be equipped with only one tail lamp, and

(b) a vehicle manufactured before January 1, 1959 may be equipped with only one tail lamp.

(3) Each tail lamp must be mounted on the vehicle at a height of not less than 38 cm and not more than 1.83 m.

(4) Subsection (3) does not apply to vehicles being towed by a tow car.

(5) Despite subsection (3), a tow car may be equipped with 2 supplemental tail lamps mounted within the maximum allowable vehicle height (4.15 m) and as far forward as the rear of the cab.

(6) A vehicle which is being transported in a drive-away/tow-away operation, or is being towed by a tow car, must have 2 tail lamps that are synchronized with the tail lamps of the towing vehicle when the tow vehicle tail lamps are illuminated.

[en. B.C. Reg. 476/98, s. 2.]

### **Licence plate lamp**

**4.16** (1) The rear licence plate of a vehicle must be illuminated by a lamp that is capable of displaying only white light so that the numbers on the licence plate are legible from a distance of 15 m to the rear of the vehicle.

(2) The lamp required by subsection (1)

(a) must illuminate whenever the headlamps or parking lamps are illuminated, and

(b) must not project white light to the rear of the vehicle.

[en. B.C. Reg. 476/98, s. 2.]

### **Stop lamps**

**4.17** (1) A motor vehicle, trailer or semitrailer on a highway must be equipped with 2 stop lamps, mounted on the rear of the motor vehicle, trailer or semitrailer, that are visible to the rear on both sides of the motor vehicle, trailer or semitrailer at an angle of 45° from the longitudinal axis of the motor vehicle, trailer or semitrailer.

(2) Despite subsection (1),

(a) a motorcycle may be equipped with only one stop lamp, and

(b) a vehicle manufactured before January 1, 1959 may be equipped with only one stop lamp.

(3) A stop lamp must be

(a) capable of displaying only red light visible from a distance of 100 m to the rear of the vehicle in normal sunlight,

(b) illuminated exclusively upon application of the service brake, and

(c) mounted on the vehicle at a height not less than 38 cm and not more than 1.83 m.

(4) Subsection (3) (c) does not apply to vehicles being towed by a tow car.



(5) A vehicle may be equipped with one additional centre-mounted stop lamp that is capable of displaying only red light visible to the rear.

(6) A public passenger vehicle may be equipped with 2 supplemental rear stop lamps.

(7) A tow car may be equipped with 2 supplemental rear stop lamps mounted within the maximum allowable vehicle height (4.15 m) and as far forward as the rear of the cab.

(8) A vehicle which is being transported in a drive-away/tow-away operation, or is being towed by a tow car, must be equipped with and illuminate 2 stop lamps that are synchronized with the stop lamps of the towing vehicle when the tow vehicle stop lamps are illuminated.

[en. B.C. Reg. 476/98, s. 2.]

### **Reflective devices**

**4.21** (1) A vehicle must be equipped with at least one red reflector at the rear of the vehicle, either separate or incorporated into a tail lamp, that is mounted at a height of not less than 38 cm and not more than 1.83 m.

(2) Subsection (1) does not apply to a vehicle manufactured before January 1, 1958.

(3) Only amber reflectors may be mounted on the front or side of a vehicle.

(4) Only red reflectors may be mounted on the rear of a vehicle or on the side of the vehicle at or toward the rear of the vehicle.

(5) A vehicle with an overall width of 2.05 m or more, or a trailer or semitrailer having a gross weight in excess of 1 400 kg, must be equipped with at least

(a) 2 amber reflectors mounted on the side of the vehicle, trailer or semitrailer near the front,

(b) 2 amber reflectors mounted on the side of the vehicle, trailer or semitrailer near the rear, and

(c) 2 red reflectors mounted on the rear of the vehicle, trailer or semitrailer.

(6) A trailer or semitrailer must be equipped with at least one red reflector on the rear of the vehicle at each side.

(7) A pole trailer must be equipped with at least

(a) one amber reflector on each side of the vehicle at the front and the horizontal mid-point, and

(b) one red reflector on the rear of the vehicle or load at each side.

(8) A commercial trailer with a width of more than 2.05 m and a gross vehicle weight rating of more than 4 536 kg must be equipped with reflective markings on the rear and side of the vehicle to meet the approved standards established by the Motor Vehicle Safety Act (Canada) and the applicable SAE standards

(a) on and after January 1, 2000 if the vehicle was manufactured on or after December 1, 1993, and

(b) on and after January 1, 2002 if the vehicle was manufactured before December 1, 1993.

(9) Despite subsections (1) to (7), reflective markings may replace red or amber reflectors on the side or rear of a vehicle.

[en. B.C. Reg. 476/98, s. 2; am. B.C. Reg. 413/99.]

### Off-road lamps

**4.25** Despite section 4.04 (2) (c), a vehicle equipped with off-road lamps when on a highway must have the off-road lamps concealed with opaque covers.

[en. B.C. Reg. 476/98, s. 2.]

### Schedule

**Table 1 — Standards for Approval of a Motor Vehicle Headlamp and Other Illuminating Lamps Aiming Requirements**

[en. B.C. Reg. 476/98, s. 2.]

Visual aim based in millimetres at 7.62 metres

Headlamps	Beams to be Used When Aimed or Inspected	Area of High Intensity Zone to be Aimed or Inspected	Lateral Aim	Lateral Inspection Tolerance	Vertical Aim	Vertical Inspection Tolerance
146 mm Type 1 sealed beam	Upper	Centre	At V	150 mm left to 150 mm right of V	13 mm up from H	125 mm up to 100 mm down from H
146 mm and 178 mm Type 2 sealed beam	Lower	Left Edge Top Edge	25 mm right of V	100 mm left to 150 mm right of V	60 mm up from H	175 mm up to 50 mm down from H
178 mm sealed beam not marked Type 2	Upper	Centre	At V	150 mm left to 150 mm right of V	13 mm up from H	125 mm up to 100 mm down from H
European headlamps marked "E" and beam lamps marked "R" or "HR"	Upper	Centre	At V	125 mm left to 125 mm right of V	At H	At H to 115 mm below
Low beam lamps marked "C" or "HC"	Lower	Junction of horizontal and sloped cut off Top edge of horizontal cut off	At V	125 mm left to 125 mm right of V	100 mm below H	75 mm below to 190 mm below H
Dual beam lamps	Lower and	Top edge of			100 mm	75 mm below to

marked "CR" or "HCR"	Upper	horizontal cut off Centre	At V	125 mm left to 125 mm right of V	below H	190 mm below H
Fog lamps symmetrical		Centre Top edge	At V	150 mm left to 150 mm right of V	100 mm below H	At H or below
Fog lamps asymmetrical		Left edge Top edge	25 mm right of V	100 mm left to 100 mm right of V	60 mm above V	175 mm above to 50 mm below H
Auxiliary passing lamp		Left edge Top edge	25 mm right of V	100 mm left to 100 mm right of V	60 mm above H	175 mm below to 50 mm below H
Auxiliary driving lamp		Centre	At V	150 mm left to 150 mm right of V	13 mm up from H	125 mm up to 100 mm down from H

Motor vehicle minimum beam candela: Upper beam, 10 000; lower beam, 7 000.

Motorcycle minimum beam candela: Upper beam, 5 000; lower beam, 3 500.

This standard is based on S.A.E. standard—Lighting Inspection Code and recommended headlamp tolerances for E.C.E. lamps

supplied by the Road and Motor Vehicles Safety Section, Transport Canada.

Abbreviations: V=vertical centreline straight ahead of lamp centre. H=horizontal centreline at level of lamp centre.

**MOTOR VEHICLE ACT REGULATIONS — Continued**  
**B.C. Reg. 26/58**

**Division 5 — Brakes**

**Brakes required**

**5.01** No person shall drive or operate a vehicle upon a highway unless the vehicle is equipped with brakes and equipment as required by these regulations.

[am. B.C. Regs. 46/67, s. 9; 226/67, 2; 256/84, s. 4.]

**Stopping distances**

**5.02** (1) Every motor vehicle and every combination of vehicles shall be equipped with service brakes which, when applied, will not affect the direction of travel of the motor vehicle or combination of vehicles, and under all conditions of loading will be adequate, when the motor vehicle or combination of vehicles is travelling at a speed of 30 km/h on a substantially level, dry, smooth, hard surfaced road free of loose material where the grade does not exceed 1%, to stop the travel

(a) of a passenger vehicle designed to carry not more than 9 persons, including the driver, within 8 m,

(b) of the motor vehicle if it is not part of a combination of vehicles and is not as described in paragraph (a) and has a manufacturer's gross vehicle weight rating of less than 4 600 kg, within 9 m,

(c) of the motor vehicle if it is not part of a combination of vehicles and is not as described in paragraph (a) or (b), within 12 m,

(d) of the combination of vehicles if it includes either a passenger motor vehicle designed to carry not more than 9 persons, including the driver, or a motor vehicle with a manufacturer's gross vehicle weight rating of less than 4 600 kg, within 12 m, or

(e) of the combination of vehicles if it is other than as described in paragraph (d), within 15 m.

(2) For purposes of this section, any motor vehicle designed, used or maintained primarily for the transportation of property and not equipped with a plate or marker showing the manufacturer's gross vehicle weight rating and which has

(a) less than 6 wheels is deemed to be a vehicle having a manufacturer's gross vehicle weight rating of less than 4 600 kg,

(b) 6 wheels or more is deemed to be a vehicle having a manufacturer's gross vehicle weight rating of 4 600 kg or more.

#### **Trailer brakes**

(5) Notwithstanding subsection (1), a motorcycle shall be equipped with a brake on each wheel in contact with the ground, other than a wheel attached directly to a sidecar, and the brake on a rear wheel shall be operated by a right foot control, except where the motorcycle has a motor that produces 3.75 kW or less, in which case the rear wheel brake may be operated by a control mounted on the left handlebar.

#### **Emergency or parking brakes**

**5.03** (1) A motor vehicle, except a motorcycle, and a combination of vehicles shall be equipped with an emergency braking system or a parking brake which, when applied, will alone stop and hold stationary the motor vehicle or combination of vehicles.

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**MOTOR VEHICLE ACT REGULATIONS — *Continued***  
**B.C. Reg. 26/58**

### **Division 7 — Other Equipment**

#### **Horn**

**7.02** (1) Subject to subsection (2), every motor vehicle shall be equipped with a horn which will emit sound audible under normal conditions from a distance of 60 m, but no horn shall emit an unreasonably loud or harsh sound or a whistle.

#### **Sirens and theft alarms**

(2) No vehicle shall be equipped with a siren, whistle or bell unless

(a) the vehicle is an emergency vehicle,

(b) the device is a siren, horn or theft alarm signal for the use of which the driver or operator of the vehicle has received written permission from the director and which is used in accordance with the conditions set forth in writing by the director, or

(c) the device is a theft alarm comprised of a bell, horn or buzzer.

[am. B.C. Regs. 205/72, s. 7; 343/77; 413/97, App. 1, s. 3; 135/2003, ss. 1 and 3.]

### **Muffler**

**7.03** (1) A motor vehicle propelled by an internal combustion engine shall be equipped with an exhaust muffler consisting of a series of pipes or chambers which ensures that the exhaust gases from the engine are cooled and expelled without excessive noise.

### **Cut-outs prohibited**

(2) No person shall drive or operate a motor vehicle propelled by an internal combustion engine when the muffler with which the vehicle is equipped is cut out or disconnected from the engine.

### **Part removal prohibited**

(3) No person shall drive or operate a motor vehicle propelled by an internal combustion engine equipped with a muffler from which has been removed any baffle plate or other part.

### **Alteration prohibited**

(4) No person shall drive or operate a motor vehicle propelled by an internal combustion engine equipped with a muffler the exhaust outlet of which has been opened or widened.

### **Noise increase or flames prohibited**

(5) No person shall drive or operate a motor vehicle propelled by an internal combustion engine equipped with a muffler or exhaust system to which is attached any device which increases the noise of the expulsion of the gases from the engine or allows a flame to be emitted from the exhaust system.

[am. B.C. Reg. 29/59.]

### **Mirrors**

**7.04** (1) Subject to subsections (3) and (4), every motor vehicle shall be equipped with an inside mirror that provides the driver with an undistorted reflected view of the highway directly to the rear of the vehicle extending to the horizon from a point on the road surface not more than 61 m behind the vehicle.

(2) In addition to the requirements of subsections (1) and (3), every motor vehicle manufactured after January 1, 1973 shall be equipped with an outside mirror on the driver's side that provides the driver with an undistorted reflected view of the adjacent lane of the highway rearward to the horizon from a point on the road surface 11 m behind the driver.

(3) Where the inside mirror of a motor vehicle does not provide the view required by subsection (1), the vehicle shall be equipped with a second outside mirror on the side of the vehicle opposite the driver and in that case the inside mirror may be removed.

(4) Where a trailer or semitrailer in a combination of vehicles diminishes the driver's reflected rear view through the rear view mirrors required by subsections (1) to (3), the towing vehicle in the combination of vehicles shall be equipped with 2 mirrors, one affixed to each side of the motor vehicle, and each to provide the driver with an undistorted reflected view of the adjacent lane of the highway from a point on the road surface 11 m behind the driver to a point on the road surface 61 m from the rear of the combination of vehicles.

[en. B.C. Reg. 5/83, s. 2.]

### **Number Plates**

**2** Number plates shall be mounted on a vehicle as required by Division 3 of the regulations.

The number plates shall correspond in number to the motor vehicle licence or trailer licence issued for the vehicle.

The vehicle shall not display any other number plate, numbering or lettering not required for the operation of the vehicle and which might be confused with the current number plates.

### **Lighting systems**

**2.1** Motor vehicle lighting systems and their operation must meet the requirements of Division 4.

[en. B.C. Reg. 476/98, s. 3.]

**3 to 7** Repealed. [B.C. Reg. 476/98, s. 3.]

### **Horn**

**8** A motor vehicle must be equipped with a horn as required by section 7.02 of the regulations.

The horn must be firmly mounted on the vehicle.

The horn control must provide a positive control over the sound emitted. A cycle of sound must be interruptible.

A horn must not produce a musical or any other sound not normally associated with a warning device.

The horn control must be readily accessible to the driver.

[en. B.C. Reg. 106/94.]

### **Windshield wipers**

**9** A motor vehicle, except a motorcycle, equipped with a windshield shall be equipped as required by section 7.05 (3) with a windshield wiper or wipers.

A motor vehicle shall be equipped with windshield wipers, in good working order, on the left and right sides of the windshield where 2 windshield wipers were installed by the manufacturer.

A windshield wiper must have blades that have not hardened or worn to the extent they are not effective. The wiper arm must have sufficient tension to hold the blade against the glass, and the wiper arm must make a full sweep.

### **Wheel alignment**

**18** Side slip of the front wheels shall not exceed 9 m per 1.6 km as measured on the alignment gauge.

*Motorcycles*—The swing arm bushing of a motorcycle shall not be worn beyond the manufacturer's specification which would affect the safe operation of the vehicle.

The longitudinal wheel alignment of a 2-wheel motorcycle shall be such that the rear wheel centreline must pass within 12.5 mm of the front wheel centreline when measured at a point directly below the front axle.

[am. B.C. Reg. 343/77.]

### **Steering mechanism**

*Motorcycles*—The handlebar of a motorcycle shall not be cracked, deformed, improperly aligned or flex excessively and shall be mounted in the designed manner.

Handlebars of a motorcycle shall be constructed of at least 0.060 thick steel tubing or of equivalent strength.

The wheel bearings of a motorcycle should have no perceptible movement unless within the manufacturer's specifications.

The steering head bearing of a motorcycle should not show perceptible movement unless within the manufacturer's specifications.

The steering head bearing of a motorcycle should not show perceptible play or roughness or should not be tightened to the extent that steering is affected.

[am. B.C. Regs. 343/77; 452/82, s. 2.]

### **Tires, wheels**

**20** A vehicle shall be equipped with tires in compliance with sections 7.16 and 7.161 of the regulations.

No tire on a vehicle shall have any of the following defects:

- (1) Cord break or air leak;
- (2) Tread damage including cracks, cuts or snags in excess of 25 mm in any direction and deep enough to expose the ply cords;
- (3) Sidewall cracks, scuffs, cuts or snags to the extent that body cords are damaged or exposed;

(4) Bumps, bulges or lumps apparently caused by separation of the tread or sidewall from the ply cords or by partial failure of the tire structure, including the bead area.

The wheels and tires with which a vehicle is equipped shall be of the same size on one axle.

No wheel shall have loose, missing or defective bolts, nuts or lugs, or bent, loose, cracked or defective rim or wheel flanges.

A wheel shall not have any missing, loose or broken spokes.

Hub caps shall be of such design and construction that minimizes the damage done to an object or injury to a person coming in contact with it.

The tires of a vehicle presented for inspection between May 1 and September 30 shall not be equipped with studs, and during the remainder of the year vehicles equipped with studded tires shall comply with section 19.03 of the regulations.

A disk wheel shall not have elongated bolt holes or cracks between handholds or stud holes.

A cast wheel of spoke type shall not be cracked.

Each rim and ring shall be matched and no rim or ring shall be bent, sprung or cracked.

A wheel or rim shall not be repaired by welding unless the weld repair is to an aluminum wheel or rim and is made in accordance with the Weld Repair of Aluminum Alloy Wheels Regulation.

A tire shall not be mounted or inflated so that it comes in contact with another tire and a tire marked "Not For Highway Use" or with other words having a similar meaning shall not be used.

*Motorcycles*—The wheels of a motorcycle shall not, when measured at the rim, have an eccentricity or wobble in excess of 5 mm.

[am. B.C. Regs. 343/77; 452/82, s. 3; 206/96, s. 1; 364/96.]

### **Fuel system**

**21** A fuel system must not have a leakage in any part.

The fuel tank and piping must be securely installed.

There shall be an adequate filler cap.

The throttle linkage on a vehicle must operate freely on applying or releasing.

The carburettor of a vehicle must be equipped with a flame arrester.

### **Exhaust muffler**

**22** A vehicle shall be equipped with an exhaust muffler which complies with section 7.03 of the regulations.



An exhaust system shall not have loose or leaking joints, seams or holes.

A muffler shall not have loose interior baffles or patches.

The exhaust system and its elements must be securely fastened.

The exhaust system shall not be located so that a person may be burned when entering or leaving the vehicle.

No part of an exhaust system may pass through a passenger compartment.

An exhaust system must not discharge excessive fumes or smoke.

Flexible hose used in an exhaust system shall be of a heavy duty type acceptable to the inspector.

**Table 2—Required Brake Performance**

[en. B.C. Reg. 343/77.]

(Column 1)	(Column 2)	(Column 3)	(Column 4)
Classification of Vehicles	Braking Force as a Percentage of Gross Vehicle or Combination Weight	Deceleration in Metres per Second per Second	Maximum Allowable Brake System Application and Braking Distances, in Metres, From an Initial Speed of 32 km/h
All motorcycles and motor driven cycles	43.5	4.26	9.14

*Motorcycles*—Motorcycles manufactured with both front wheel brakes and rear wheel brakes must have both brakes performing adequate braking.

[am. B.C. Regs. 343/77, 452/82, s. 4.]

### **Pedal Reserve**

**24. *Motorcycles***—A motorcycle shall not have an angle between the cam operating lever and the actuating cable or rod in excess of 110° when in the fully applied position.

The cam operating lever of a motorcycle shall not be repositioned on the shaft as a means of compensating for a worn cam, worn shoes or worn lining.

The hand or foot brake levers of a motorcycle shall have at least a third of their travel as reserve after the brakes are normally applied.

[am. B.C. Regs. 452/82, s. 5; 132/2000.]

## Brake connection

**25 Motorcycles**—The brake cable of a motorcycle must not be frayed (one broken strand).

A motorcycle with brake adjusters must be equipped with a method of locking the brake adjusters.

The brake cables of a motorcycle shall not be routed in such a manner that they may be restricted between components of the motorcycle.

The brake pedals of a motorcycle shall be accessible for adequate leverage and safe operating conditions and must be accompanied with a footrest.

The brake levers and pedals of a motorcycle shall be free to return when pressure is removed from them.

[am. B.C. Reg. 452/82, s. 6.]

## Vehicle noise

**27** A motor vehicle shall be equipped with an exhaust muffler which complies with section 7.03 of the regulations.

The opinion of an inspector as to whether the engine and exhaust noise is greater than that made by other vehicles in good condition of comparable size, horsepower, piston displacement or compression ratio shall determine whether exhaust gases are expelled with excessive noise.

When tested in an inspection station, the vehicle engine, any auxiliary engine and exhaust level shall not exceed Table 3 standards.

**Table 3**

[am. B.C. Reg. 656/76, s. 2.]

Class of Vehicle	Maximum Allowable Sound Pressure Level DBA
Motorcycles	91

## Drivers' seats and belts

**30 Motorcycles**—The seat of a motorcycle shall be securely attached to the vehicle and the seat locking device, where so equipped, shall be functional.

## Miscellaneous

**31 Motorcycles**—The chain of a motorcycle shall be adjusted to less than 40 mm of play when measured at the centreline between the sprockets.

A motorcycle, when originally equipped, shall be equipped with a chain guard which is not broken or cracked and which is reasonably equivalent to the original device.

If the motorcycle is designed to carry a passenger, it shall be equipped with a footrest for the passenger's use on each side of the machine.

A motorcycle shall be equipped with a side or centre stand which shall not be cracked or broken and shall be structurally adequate to support the machine.

The side or centre stand of a motorcycle when placed in the stored position shall remain in that position.

[am. B.C. Regs. 343/77; 452/82, s. 9.]

### **Motorcycle handlebars**

**7.14** No person shall drive or operate on a highway a motorcycle unless the handlebars of the motorcycle are

(a) firmly secured, and

(b) so secured that the maximum height to which the handlebars extend is not higher than the top of the driver's shoulders when the driver's seat is occupied.

[en. B.C. Reg. 46/67, s. 15; am. B.C. Regs. 343/77; 174/91.]