

### Summary of legislation

#### Applicable legislation

- Land Transport Rule: External Projections 2001

#### Permitted equipment

1. A motor vehicle may be fitted with a protruding ornamental or functional object or fitting.

#### Condition and performance

2. A protruding ornamental object or fitting must not be likely to injure a person.
3. A protruding object or fitting that has a functional purpose must be installed so that the risk of the object or fitting causing injury to a person is minimised.
4. Components of a motor vehicle, including damaged or corroded body panels, must be such that the risk of their hooking a vehicle, or hooking or grazing a person, is minimised.
5. A protruding object or fitting must not adversely affect driver vision or driver control.

#### Modification

6. A modification that affects an external projection must be inspected and certified by an LVV specialist certifier, unless the vehicle:
  - a) is excluded from the requirement for LVV specialist certification (**Table 2-1-1**), and
  - b) has been inspected in accordance with the requirements in this manual, including those for equipment, condition and performance.

### Reasons for rejection

#### Condition and performance (Note 1)

1. The risk of a component (**Note 5**) hooking a vehicle, or hooking or grazing a person, has not been minimised.
2. An ornamental object or fitting (**Note 2**) protrudes in such a way that it is:
  - a) likely to injure a person, or
  - b) affects the driver’s vision or control.
3. A protruding object or fitting that has a functional purpose (**Note 3**):
  - a) is of excessively heavy construction for the purpose it has been fitted, or
  - b) has sharp corners, or
  - c) slopes forward unless this is necessary to fit the contours of the vehicle, or
  - d) has an unnecessarily wide gap between the object or fitting and the front of the vehicle, or
  - e) exceeds the vehicle’s width by more than 100 mm on either side, or
  - f) adversely affects the rider’s vision or the rider’s control of the vehicle.
4. A protruding object or fitting is not securely fitted.

#### Modification (Note 4)

5. A modification affects an external projection – including a protruding object or fitting that has a functional purpose and affects the driver’s vision or control of the vehicle, and:
  - a) is not excluded from the requirements for LVV specialist certification (**Table 2-1-1**), and
  - b) is missing proof of LVV specialist certification, ie:
    - i. the vehicle is not fitted with a valid LVV certification plate, or
    - ii. the operator is not able to produce a valid modification declaration or authority card.

**Table 2-1-1. Modifications that do not require LVV certification**

Fitting of or modification to:	LVV certification is never required:
Any modification for the purposes of law enforcement or the provision of emergency services	<ul style="list-style-type: none"> <li>• in-service requirements for condition and performance must be met.</li> </ul>

**Note 1** The external projections requirements relate to the design and maintenance of objects and fittings that protrude from the exterior of the motor vehicle with regard to the safety of other motor vehicles, pedestrians and cyclists. The attachment of such objects and fittings to the vehicle is addressed in the Structure section of this manual.

**Note 2 Ornamental object or fitting** means an object or fitting that does not have a practical purpose, eg bonnet emblems.

**Note 3 Functional object or fitting** means an object or fitting that has a practical purpose, eg panniers, pack racks, spare wheel carriers, etc.

**Note 4 Modify** means to change a vehicle from its original state by altering, substituting, adding or removing any structure, system, component or equipment, but does not include repair.

**Repair** means to restore a damaged or worn vehicle, its structure, systems, components or equipment to within safe tolerance of its condition when manufactured, including replacement with equivalent undamaged or new structures, systems, components or equipment.

**Note 5** Components include damaged, corroded and exposed body panels.

**Summary of legislation**

**Applicable legislation**

- Land Transport Rule: Vehicle Equipment 2004

**Mandatory equipment**

1. A motorcycle must have:
  - a) foot rests for the rider, and
  - b) foot rests for the pillion passenger if provision is made for pillion riding.

**Condition**

2. Foot rests must be adequate.

**Modification**

3. A modification that affects a foot rest must be inspected and certified by a low volume vehicle specialist certifier, unless the vehicle:
  - a) is excluded from the requirement for LVV certification (**Table 2-2-1**), and
  - b) has been inspected in accordance with the requirements in this manual, including those for equipment, condition and performance.

**Reasons for rejection**

**Mandatory equipment**

1. A motorcycle is not fitted with adequate footrests:
  - a) for the rider, or
  - b) for the pillion passenger where there is a pillion passenger seating position.

**Condition**

2. A footrest or footrest mounting:
  - a) is insecure, or
  - b) is weakened by corrosion or other damage.

**Modification**

3. A modification affects the footrest, and:
  - a) is not excluded from the requirements for LVV specialist certification (**Table 2-2-1**), or
  - b) is missing proof of LVV specialist certification, ie:
    - i. the vehicle is not fitted with a valid low volume vehicle certification plate, or
    - ii. the operator is not able to produce a valid modification declaration or authority card.

**Table 2-2-1. Modifications that do not require LVV certification**

Fitting of or modification to:	LVV certification is never required:
Any modification for the purposes of law enforcement or the provision of emergency services	<ul style="list-style-type: none"> <li>• in-service requirements for condition and performance must be met.</li> </ul>

## Vehicle exterior 2-3 Dimensions

**Note:** The vehicle inspector need only inspect dimensions in detail if there is doubt about the vehicle's compliance.

### Summary of legislation

#### Applicable legislation

- Land Transport Rule: Vehicle Dimensions and Mass: 2002

#### Mandatory equipment

- A vehicle must meet the dimensions in **Table 2-3-1**.

#### Modification

- A modification that affects dimensions must be inspected and certified by a low volume vehicle specialist certifier, unless the vehicle:
  - is excluded from the requirement for LVV specialist certification (**Table 2-3-2**), and
  - has been inspected in accordance with the requirements in this manual, including those for equipment, condition and performance.

### Reasons for rejection

#### Mandatory equipment

- A vehicle does not meet the dimension requirements set out in **Table 2-3-1** (also see **Figure 2-3-1**, **Figure 2-3-2**, and **Figure 2-3-1**).

#### Modification

- A modification affects dimensions, and:
  - is not excluded from the requirements for LVV specialist certification (**Table 2-3-2**), and
  - is missing proof of LVV specialist certification, ie:
    - the vehicle is not fitted with a valid LVV certification plate, or
    - the operator is not able to produce a valid modification declaration or authority card.

**Table 2-3-1. Dimension requirements**

Dimension	Maximum distance	Comments
Width	1 m (motor cycle without sidecar) 2.5 m (motor cycle with sidecar or motor-tricycle)	Measurement does not include: <ul style="list-style-type: none"> <li>collapsible mirrors which extend no more than 240 mm from the body</li> <li>direction indicators and side marker lamps</li> <li>ropes, lashings, straps, chains, and related connectors and tensioning devices that extend no more than 25 mm from either side, and that are not permanently or rigidly fixed to the vehicle</li> <li>the bulge towards the bottom of a tyre.</li> </ul>
Overall length	12.6 m (no tow coupling fitted) 11.5 m (tow coupling fitted)	Measurement does not include collapsible mirrors.
Height	4.25 m	Measurement does not include: <ul style="list-style-type: none"> <li>load restraining devices (ropes, lashings, straps, chains, covers and related connectors and tensioning devices) that extend no more than 25 mm above the vehicle, and that are not permanently or rigidly fixed to the vehicle.</li> </ul>
Forward distance	9.5 m (no tow coupling fitted) 8.5 m (tow coupling fitted)	<ul style="list-style-type: none"> <li>Forward distance is measured from the centre of the rear axle to the front of the vehicle.</li> <li>Measurement does not include collapsible mirrors.</li> </ul>
Rear overhang	4 m	<ul style="list-style-type: none"> <li>Rear overhang is measured from the centre of the rear axle to the rear of the vehicle.</li> </ul>
Front overhang	3 m	Front overhang is measured from the front edge of the driver's seat to the front of the vehicle.

**Table 2-3-2. Modifications that do not require LVV certification**

Fitting of or modification to:	LVV certification is never required:
Any modification for the purposes of law enforcement or the provision of emergency services	<ul style="list-style-type: none"> <li>in-service requirements for condition and performance must be met.</li> </ul>

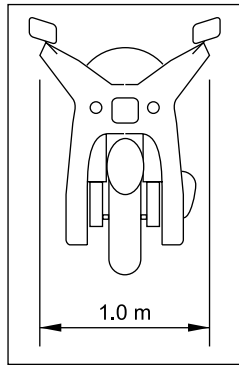


Figure 2-3-1. Maximum width for a motor cycle

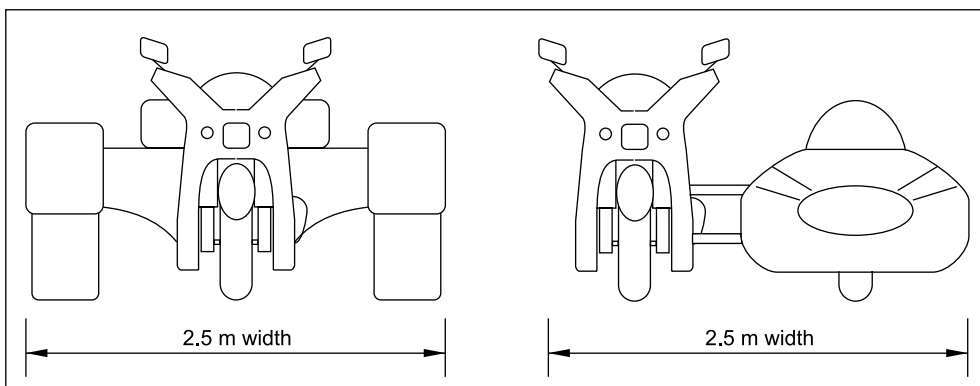


Figure 2-3-2. Maximum width for a motor cycle with side-car or a motor-tricycle

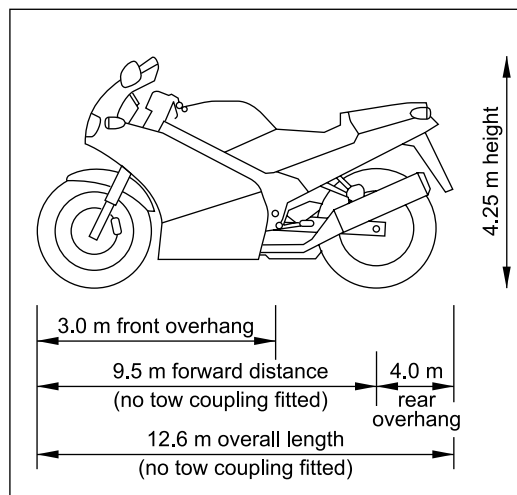


Figure 2-3-3. Other dimensions for a motor cycle, motor cycle with side-car, or motor-tricycle