

## Entrance and exit

## 6-1 Door and hinged panel retention systems

### Summary of legislation

#### Applicable legislation

- Land Transport Rule: Door Retention Systems 2001
- Land Transport Rule: Vehicle Standards Compliance 2002, section 7.4
- Traffic Regulations 1976: Regulation 80

#### Mandatory equipment

1. A motor vehicle fitted with doors used by the driver or passengers for entrance and exit of the motor vehicle must have a door retention system.

#### Permitted equipment

2. The door retention system on doors to the rear of the driver's seat may incorporate safety devices installed during the manufacture of the vehicle to prevent the doors from being opened from the inside of the vehicle (eg child safety locks).

#### Equipment condition

3. A door retention system and its mountings must be safe and structurally sound.
4. A door used for the entrance and exit of the driver or passengers must be operable by any occupant seated by the door from inside the motor vehicle.
5. The vehicle must be designed and constructed using components and materials that are fit for their purpose, and within safe tolerance of its state when manufactured or modified.

#### Equipment performance

6. A door retention system must be in good working order.
7. A door used for entrance and exit must open and close easily.
8. A door used for entrance and exit must remain secure in a closed position during the operation of the motor vehicle.

#### Modifications

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

### Reasons for rejection

#### Mandatory equipment

1. A motor vehicle fitted with doors used by the driver or passengers for entrance and exit of the motor vehicle do not have a door retention system.

#### Equipment condition

2. A hinge for a door or other hinge panel is not securely attached to both the vehicle body and to the door or other hinged panel due to loose connections, corrosion or other damage.
3. A door used for entrance and exit cannot be opened from the inside.
4. A child safety lock or similar safety device cannot be de-activated.
5. There is corrosion damage within 150 mm of the hinge of a door or other hinged panel (**Figure 6-1-1**).
6. There is corrosion damage (**Note 1**) within 150 mm of the latch of a door or other hinged panel (**Figure 6-1-1**).

#### Equipment performance

7. A door used for entrance and exit does not open or close easily.
8. A door or other hinged panel does not remain secure in a closed or locked position.

#### Modifications

9. A modification (**Note 1**) affects the door retention system, and:
  - a) is not excluded from the requirements for LVV specialist certification (**Table 6-1-1**), and
  - b) has not been inspected and certified by a low volume vehicle specialist certifier and 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.

# Entrance and exit

## 6-1 Door and hinged panel retention systems (cont.)

**Table 6-1-1. Modifications that do not require LVV certification**

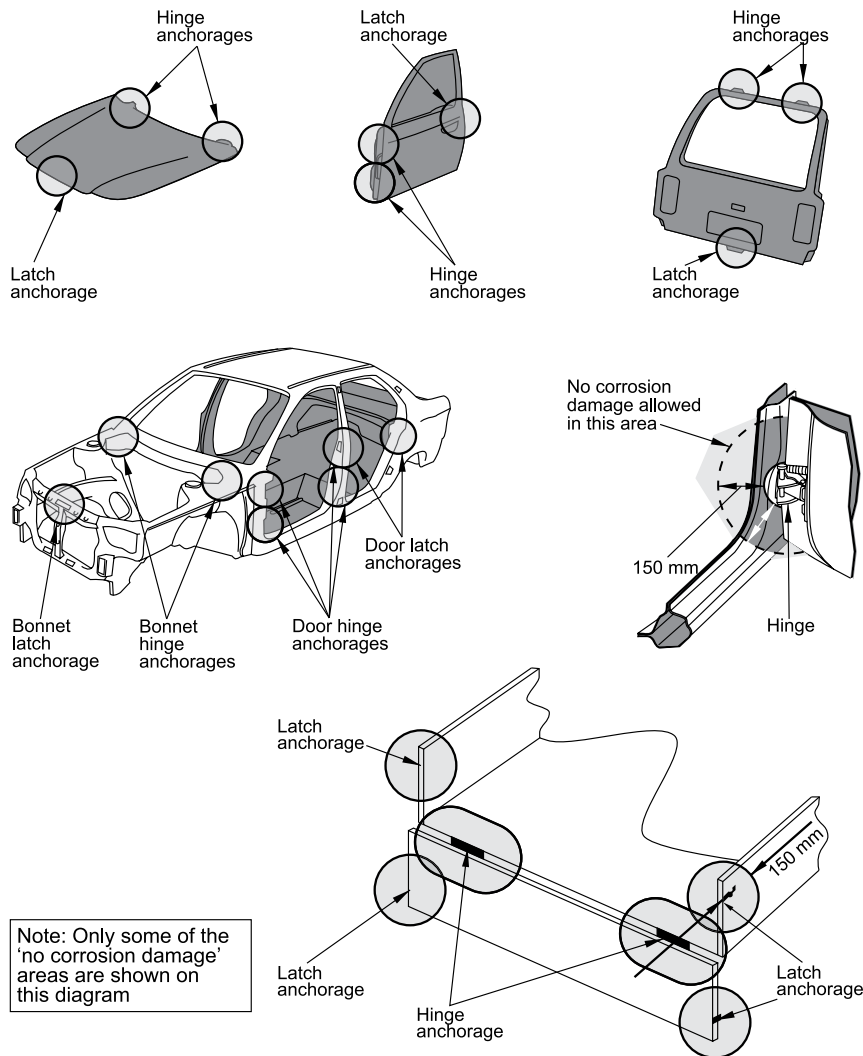
Fitting of or modification to:	LVV certification is never required:
Any modification for the purposes of law enforcement or the provision of emergency services	<ul style="list-style-type: none"> <li>in-service requirements for condition and performance must be met.</li> </ul>

**Note 1** Definitions

**Corrosion damage** is where the metal has been eaten away, which is evident by pitting. The outward signs of such corrosion damage is typically displayed by the lifting or bubbling of paint. In extreme cases, the area affected by the corrosion damage will fall out and leave a hole.

**Modify** means to change a vehicle from its original state by altering, substituting, adding or removing a 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 undamaged or new structures, systems, components or equipment.



**Figure 6-1-1. Hinge and latch anchorages**

No corrosion damage is allowed within 150 mm of a circle around the outside of hinge or latch components.