

Miscellaneous items

13-1 Engine and drive train

13-2 Fuel system

13-3 Electrical wiring

Miscellaneous items

13-1 Engine and drive train

Vehicles must comply with the requirements relating to condition, performance and modification set out in the *VIRM: In-service certification*, section 13-1.

There are no additional requirements in respect of the engine and drive train for the inspection and certification of vehicles for entry into service.

Vehicles must comply with the requirements relating to condition, performance and modification set out in the *VIRM: In-service certification*, section 13-2.

There are no additional requirements in respect of the fuel system for the inspection and certification of vehicles for entry into service.

Summary of legislation

Applicable legislation

- Land Transport Rule: Passenger Service Vehicles 1999.

Mandatory requirements

1. The design and location of fuel tanks must:
 - a) for a vehicle which entered service as a PSV in New Zealand on or after 1 July 2000, incorporate a device to compensate the internal pressure without fuel overflow and without fuel spillage, even in the case of roll-over of the PSV, or
 - b) for a vehicle which entered service as a PSV in New Zealand before 1 July 2000, ensure that any fuel overflow will not accumulate on any part of the vehicle.

Mandatory equipment

2. A vehicle must comply with the requirements relating to mandatory equipment set out in the *VIRM: In-service certification*, section 13-2.

Condition and performance

3. A vehicle must comply with the requirements relating to condition and performance set out in the *VIRM: In-service certification*, section 13-2.

Reasons for rejection

Mandatory requirements

1. A PSV is not fitted with a device to compensate the internal pressure without fuel overflow and without fuel spillage, even in the case of roll-over of the PSV (**Note 1**).

Mandatory equipment

2. A vehicle does not comply with the requirements relating to mandatory equipment set out in the *VIRM: In-service certification*, section 13-2.

Condition and performance

3. A vehicle does not comply with a requirement relating to condition or performance set out in the *VIRM: In-service certification*, section 13-2.

Note 1 A fuel cap, similar to a car one, with a valve in it, or a valve fitted to the top of the tank will meet this requirement. If there is doubt, the vehicle inspector must obtain evidence that the vehicle does comply.

Summary of legislation

Applicable legislation

- Land Transport Rule: Passenger Service Vehicles 1999.

Mandatory requirements

1. The design and location of fuel tanks must:
 - a) for a vehicle which entered service as a PSV in New Zealand on or after 1 July 2000, incorporate a device to compensate the internal pressure without fuel overflow and without fuel spillage, even in the case of roll-over of the PSV, or
 - b) for a vehicle which entered service as a PSV in New Zealand before 1 July 2000, ensure that any fuel overflow will not accumulate on any part of the vehicle.

Mandatory equipment

2. A vehicle must comply with the requirements relating to mandatory equipment set out in the *VIRM: In-service certification*, section 13-2.

Condition and performance

3. A vehicle must comply with the requirements relating to condition and performance set out in the *VIRM: In-service certification*, section 13-2.

Reasons for rejection

Mandatory requirements

1. A PSV is not fitted with a device to compensate the internal pressure without fuel overflow and without fuel spillage, even in the case of roll-over of the PSV (**Note 1**).

Mandatory equipment

2. A vehicle does not comply with the requirements relating to mandatory equipment set out in the *VIRM: In-service certification*, section 13-2.

Condition and performance

3. A vehicle does not comply with a requirement relating to condition or performance set out in the *VIRM: In-service certification*, section 13-2.

Note 1 A fuel cap, similar to a car one, with a valve in it, or a valve fitted to the top of the tank will meet this requirement. If there is doubt, the vehicle inspector must obtain evidence that the vehicle does comply.

Miscellaneous items

13-3 Electrical wiring

Vehicles must comply with the requirements relating to condition and performance set out in the *VIRM: In-service certification*, section 13-3.

There are no additional requirements in respect of LPSV electrical wiring for the inspection and certification of vehicles for entry into service.

Summary of legislation

Applicable legislation

- Land Transport Rule: Passenger Service Vehicles 1999.

Mandatory requirements

1. Electrical equipment fitted in a PSV which operates at voltages of more than 32 volts AC or 115 volts DC:
 - a) inspections must be carried out by a person registered under section 75 or section 77 of the Electricity Act 1992.

Condition

3. A vehicle must comply with the requirements relating to condition set out in the *VIRM: In-service certification*, section 13-3.

Reasons for rejection

Mandatory requirements

1. Electrical equipment fitted in a PSV which operates at voltages of more than 32 volts AC or 115 volts DC (eg a trolley bus or plug-in hybrid electric vehicle).
 - a) There is no evidence that an inspection has been carried out by a person registered under section 75 (registered electrician) or section 77 (registered electrical inspector) of the Electricity Act 1992.

Condition and performance

2. A vehicle does not comply with a requirement relating to condition or performance set out in the *VIRM: In-service certification*, section 13-3.

