

Correct as at 28th April 2026. It may be superseded at any time.

**Extract taken from:** Entry certification > Inspection and certification > Vehicle interior > PSV heating and ventilation (light and heavy PSVs)

## 7-8 PSV heating and ventilation (light and heavy PSVs)

### Reasons for rejection

#### Mandatory requirements

1. Opening windows or roof hatches are the only means of ventilation and the minimum window opening provided is not at least 0.013m<sup>2</sup> for each occupant (Note 1)
2. Forced ventilation is the only means of ventilation and the system does not (Note 2):
  - a) incorporate at two independent power-driven fans of similar size and capacity, which together can deliver within two minutes an air volume of the passenger compartment, or
  - b) have fans wired in such a way that a power failure in one fan will not affect the other, or
  - c) by its design and construction minimise the risk of occupants being harmed by the system or its components.
3. A vehicle does not comply with the requirements relating to mandatory equipment set out in:
  - [VIRM: In-service certification, section 7-8, light PSVs](#)
  - [VIRM: In-service certification, section 7-8, heavy PSVs](#)

#### Condition and performance

4. A vehicle does not comply with a requirement relating to condition or performance set out in:
  - [VIRM: In-service certification, section 7-8, light PSVs](#)
  - [VIRM: In-service certification, section 7-8, heavy PSVs](#)

#### Note 1

The ventilation requirement must be calculated for the maximum number of occupants that the vehicle can carry.

#### Note 2

It can be generally accepted that an unmodified mass-produced vehicle will comply with requirements. 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. If opening windows or roof hatches are the only means of ventilation, the minimum window opening provided must be (Note 1):

- a)  $0.013\text{m}^2$  for each seating position, and  $0.01\text{m}^2$  for each seated school child, for a vehicle which entered service as a PSV in New Zealand before 1 July 2000, or
- b)  $0.013\text{m}^2$  for each occupant for a vehicle which entered service as PSV in New Zealand on or after 1 July 2000.

2. If forced ventilation is the only means of ventilation, the system must:

- a) incorporate at two independent power-driven fans of similar size and capacity, which together can deliver within two minutes an air volume of the passenger compartment, and
- b) have fans wired in such a way that a power failure in one fan will not affect the other, and
- c) be designed and constructed to minimise the risk of occupants being harmed by the system or its components.

3. A vehicle must comply with the requirements relating to mandatory equipment set out in:

- [VIRM: In-service certification, section 7-8, light PSVs](#)
- [VIRM: In-service certification, section 7-8, heavy PSVs](#)

## Condition and performance

4. A vehicle must comply with the requirements relating to condition and performance set out in:

- [VIRM: In-service certification, section 7-8, light PSVs](#)
- [VIRM: In-service certification, section 7-8, heavy PSVs](#)