

Correct as at 27th May 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 It may be superseded at any time.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 0.013m² 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) 0.013m^2 for each seating position, and 0.01m^2 for each seated school child, for a vehicle which entered service as a PSV in New Zealand before 1 July 2000, or
- b) 0.013m^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](#)