

Correct as at 26th June 2026. It may be superseded at any time.

Extract taken from: Alternative fuel system certification > CNG inspection > Cylinder compartment

## 2-6 Cylinder compartment

### Mandatory equipment

1. A cylinder is located within the body shell of the vehicle and no compartment or sub-compartment is fitted that (Note 1):
  - a) encloses the valves, fittings and pipe connections associated with the cylinder, and
  - b) it is vented to the atmosphere.

### Condition

2. The compartment structure, joints, conduit connections or pipe bulkhead seals are deteriorated, damaged, kinked or punctured so that gas may leak or gas flow through a vent could be constricted.
3. The compartment or sub-compartment is not gastight (Note 2).

### Note 1

**Cylinder compartment** means a structure of rigid or pliable material which encloses the whole of the cylinder and its fittings, whose purpose is to collect any gas leakage which might occur, so that it can be discharged to open air. A car boot is not an acceptable compartment.

**Cylinder sub-compartment** means a structure of rigid or pliable material which encloses the cylinder fittings, whose purpose is to collect any gas leakage which might occur, so that it can be discharged to open air.

### Note 2

AS/NZS 1425: 2003, section 6.8.2 describes a standard gastight test.

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Standards Compliance 2002](#)
- [Land Transport Rule: Vehicle Equipment 2004](#)
- AS/NZS 2739: 2003, section 6.9.

### Mandatory equipment

1. Where a cylinder is located within the body shell of the vehicle, either the:
  - a) whole of the cylinder and its attached components and fittings must be enclosed in a compartment that is vented to the atmosphere, or

b) valves, fittings and pipe connections associated with or attached to the container must be enclosed in a sub-compartment attached to the container and vented to the atmosphere.

**Condition**

2. The compartment structure, joints, conduit connections and pipe bulkhead seals must not be deteriorated, damaged, kinked or punctured so that gas may leak or gas flow through a vent could be constricted.
3. The compartment or sub-compartment must be gastight.