

Correct as at 15th May 2026. It may be superseded at any time.

Extract taken from: Alternative fuel system certification > LPG inspection > Gas proof compartment

## 1-6 Gas proof compartment

### Reasons for rejection

#### Mandatory equipment

1. A container is located within the body shell of a vehicle and no compartment or sub-compartment is fitted (Note 1).
2. The compartment or sub-compartment is not vented to the atmosphere.
3. The service valve is not readily accessible to authorised people or cannot be operated without the use of tools or cannot be operated fully.
4. A fixed liquid level indicator bleed valve is fitted but is not readily accessible when filling or cannot be operated without the use of tools.
5. Fittings to AS/NZS 1425: 2003: A gastight hatch is not provided with a marking that reads WARNING: KEEP CLOSED AND GASTIGHT EXCEPT WHEN THE SERVICE VALVE MUST BE OPERATED.

#### Condition

6. Any of 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 restricted.
7. The compartment or sub-compartment is inspected and found not to be gastight (Note 2).

#### Note 1

**Compartment** means a structure which encloses the whole of the container 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 under 1 above.

**Sub-compartment** means a structure attached to the container, which encloses the container fittings, and 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/NZS1425: 2003, section 6.9.2(j)
- AS/NZS1425: 2003, section 3.17.

### **Mandatory equipment**

1. Where a container is located within the body shell (Note 1) of a vehicle, either
  - a) the whole of the container and its attached components and fittings must be enclosed in a compartment that is vented to the atmosphere, or
  - b) the 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.
2. The service valve and, where appropriate, the fixed liquid level indicator bleed valve, must be readily accessible and operable without the use of tools.
3. Fittings to AS/NZS 1425: 2003: A gastight hatch must be provided with a marking that reads WARNING: KEEP CLOSED AND GASTIGHT EXCEPT WHEN THE SERVICE VALVE MUST BE OPERATED.

### **Condition**

4. 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.
5. The compartment or sub-compartment must be gastight.