

Registration Plate Warning Labels

This bulletin provides information for registration plate warning labels required for light vehicles powered by electricity or fuelled by liquid petroleum gas (LPG) or hydrogen.

These labels give a visual warning to emergency services workers of the risk of a potential explosion and to take any necessary precautions when responding.

This information bulletin relates to a vehicle with a gross vehicle mass not exceeding 4.5t. Labelling requirements for vehicles with a gross vehicle mass rating greater than 4.5t is available from the National Heavy Vehicle Regulator website www.nhvr.gov.au or phone 1300 696 487

Eligible light vehicles

Liquid petroleum gas (LPG) powered vehicle. A motor vehicle that uses LPG as an engine fuel source, either as the sole source or as a dual fuel option.

Any of the following vehicles built after 1 January 2019

Electric-powered vehicle. A motor vehicle that is powered by one or more electric motors.

Hybrid vehicle. A motor vehicle that is powered by an internal combustion engine (regardless of fuel type) and at least one electric motor.

Hydrogen-powered vehicle. A motor vehicle that is powered by a hydrogen fuel system and has one or more hydrogen fuel containers fitted to the vehicle for the system.

Labelling requirements

Labels are required to be fitted to the registration plate so as not to obscure any characters on the plate and so that the letters of the label are in an upright position.

LPG fuelled vehicles

Vehicles powered by LPG must be fitted with labelling on the front and rear number plates. That is;

- made from a durable material
- is 25mm wide and 25mm high and mounted as a diamond
- is of a reflective red that complies with Australian Standard AS 1743 or AS/NZS 1906
- is marked LPG or LPGAS in white capital letters at least 6mm high.



Electric powered vehicles built after 1 January 2019 (including hybrid vehicles not fuelled with hydrogen)

- the label must be backed by metal at least 1mm thick
- the metal plate and label size shall be an equilateral triangle shape each side of which is 35 mm long and feature an interior angle of 60 degrees
- label colour must be retroreflective blue, complying with class 2 of Australian Standard AS/ NZS 1906.1
- marked EV in a white capital letters that are at least 8mm in high with the base of the EV being on a side of the label



Hydrogen powered vehicles built after 1 January 2019

- the label must be backed by metal at least 1mm thick
- the metal plate and label size shall be a regular pentagon shape each side of which is 25 mm long and feature each interior angle of 108 degrees
- label colour must be retroreflective yellow, complying with class 2 of Australian Standard AS/ NZS 1906.1
- marked H in a black capital letter that is at least 10mm high with the base of the H being on a side of the label
- if multiple Hydrogen fuel containers are fitted, two warning labels must be affixed to each number plate.



Legislative reference

Part 11 of the [Vehicle and Traffic \(Vehicle Standards\) Regulations 2014](#) prescribes the alternative fuel system requirements for light motor vehicles. This is adopted from national model law.

The Heavy Vehicle (Vehicle Standards) National Regulation contains similar provisions relating to heavy vehicles. <https://www.nhvr.gov.au/law-policies/heavy-vehicle-national-law-and-regulations>

Further Information

Further information relating to this bulletin is available from;

Department of State Growth

Vehicle Standards Unit

Phone: (03) 03 6166 3263

Email: vehicle_standards@stategrowth.tas.gov.au

Web: www.transport.tas.gov.au

Disclaimer

All effort has been taken to ensure the information contained in this bulletin is true and accurate at the time. The legislative requirements apply with any changes in legislative requirements to take precedence over the information that is contained within this information bulletin.

Note; Example labels shown are for visual assistance only and do not represent the label's actual size, dimensions or colour.