

The use of quick connect devices on caravans

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The Office of the Technical Regulator (OTR) is a statutory body established under the *Gas Act (SA) 1997*. One of the major roles of the OTR is to ensure that gas installations and appliances comply with the safety requirements of the *Gas Act* and Australian Standards (*AS/NZS 5601*).

Since the publication of the *AS/NZS5601.2 - 2010 LP Gas installations in caravans and boats for non-propulsive purposes* on the 23rd of December 2010, it has been a requirement for all appliances installed in caravans and boats (including commercial catering vans and trailers) to be fitted with flame safeguard systems to all burners.

This 2010 standard was replaced with the new *AS/NZS5601.2 - 2020 LP Gas installations in caravans and boats for non-propulsive purposes*, published on the 1st October 2020. This current standard also requires all appliances to be fitted with flame safeguard systems to all burners with an addition now including all appliances connecting to quick connect devices. This means appliances connecting to a quick connect device (including barbeques) are required to have flame safeguards to all burners.

How does this affect owners of caravans?

1. *AS/NZS 5601.2:2020 Clause 2.12.2 Restriction on Installation* - A quick-connect device shall not be installed inside a caravan or boat

Can Bayonet Fittings/Quick Connect devices be installed externally?

Yes - but they must be installed in manner to avoid entry of water, dust, or other debris.

2. *AS/NZS5601:2020.2 Clause 6.4 Flame safeguard system* – All appliances shall be fitted with flame safeguard systems to all burners.

NOTE: This requirement also applies to appliances connected to quick connect devices.

When an appliance (eg. BBQ) is connected to an external quick connect device the appliance is required to be fitted with a flame safeguard system. The flame safeguard system is designed to shut off the gas supply to the burner(s) in the event of ignition failure or flame failure.

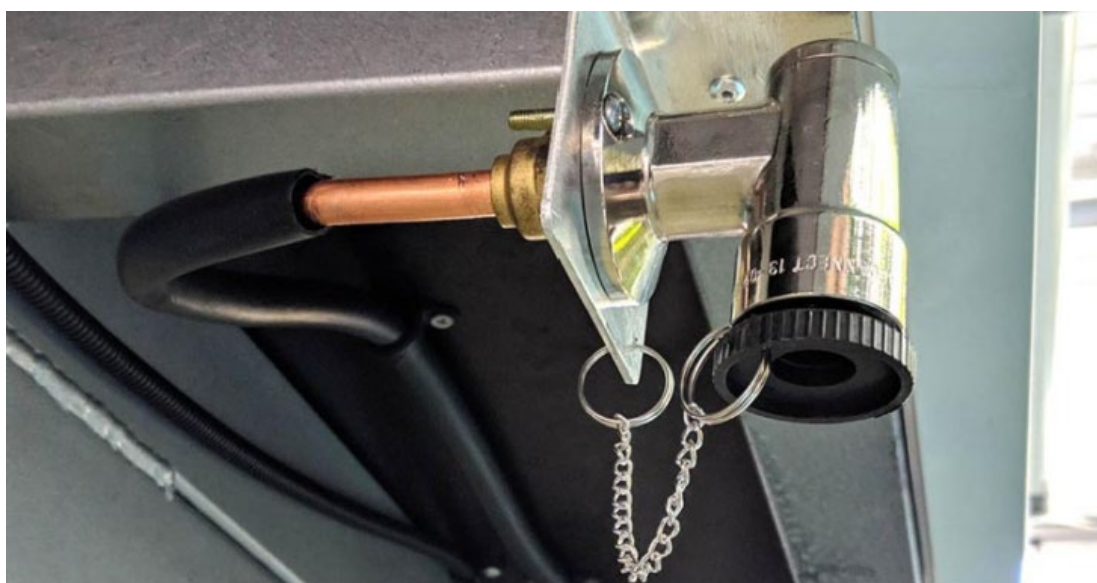
For legacy gas installations in caravans

If a gas installation which includes an external quick connect device for a portable gas appliance was installed on a caravan prior to the publication of the new *AS/NZS5601.2:2020* standard, approved portable gas appliances without flame safeguards may be used if the appliance manufacturer allows it.

If a gas installation was installed in a caravan prior to the publication of the standard and the owner engages a gas fitter to install an external quick connect device after the publication of the *AS/NZS5601.2:2020* standard, appliances connecting to that external quick connect device must have flame safeguard systems to all burners.

NOTE:

Installers need to advise caravan owners prior to installing a quick connect device the requirements of *AS/NZS5601.2:2020, Clause 6.4 Flame safeguard system* when purchasing a new barbeque (or any other appliance) connecting to the quick connect device to request a unit that has flame safeguard devices fitted to all burners.



Quick connect device located external of a caravan, note dust cap fitted.

For further information, please contact the below.

Contact the Office of the Technical Regulator for more information

Online otr.sa.gov.au
Email otr@sa.gov.au
Phone 8226 5722



**Government of
South Australia**