

GAS APPLIANCES IN MOBILE HOMES AND RECREATIONAL VEHICLES

This directive is being issued by a provincial safety manager pursuant to section 30 of the *Safety Standards Act*.

Date of Issue: October 1, 2022

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Revision: 02

Scope

This directive is being issued to clarify installation requirements for gas appliances in mobile homes and recreational vehicles as detailed in clauses 4.8 and 4.25 of the CSA B149.1 Natural gas and propane installation code.

Definitions

Mobile home - a dwelling that consists of a vehicular portable structure built on a chassis and designed to be used with or without a permanent foundation and to be connected to indicated utilities.

Recreational vehicle - a portable structure intended as temporary accommodation for travel, vacation, or recreational use. Such a structure includes a chassis-mounted camper, motorized home, slide-in camper, tent trailer, or travel trailer.

Permanently fixed structure - upon removal of the method of transportation (towing mechanism, axles, or wheels) and having been firmly secured to a permanent fixed method of support (foundation) a mobile home will be considered a permanent fixed structure.

Foundation - an underlying base or support; the masonry substructure of a building.

Details

Gas appliance installation and replacement requirements are dependent on if the vehicle is used as a mobile home, recreational vehicle or becomes a permanently fixed structure.

CSA B149.1 clause 4.8 states that dwellings defined as a mobile home must be certified to CSA standard Z240.4.1 and portable structures defined as a recreational vehicle must be certified to CSA standard Z240.4.2. Due to the differences associated with these structures, it is important to confirm that installed or replacement appliances are certified to the correct standard.

CSA B149.1 clause 4.25 details additional requirements for gas appliances and systems that are specific to mobile homes and recreational vehicles.

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When mobile homes or recreation vehicles are converted to become permanently fixed dwellings, gas appliance installations must meet all applicable requirements under CSA B149.1.

In accordance with CSA B149.1 clause 4.8, appliances installed in permanently fixed mobile homes or recreational vehicles do not need to be certified for use in a mobile home or recreational vehicle, however, must be installed in full compliance with the manufacturer's certified installation instructions.

Example: If a gas fired furnace is replaced with one that is not specifically certified for use in a mobile home, the ductwork design, sizing, and clearances must comply with that manufacturer's certified installation instructions. The gas furnace must be commissioned as per manufacturer's requirements, including temperature rise and static pressure, etc.

Any gas furnace requiring a certified base for installation on a combustible floor shall only be installed on the base specified by the manufacturer.

Vicky Kang
Manager, Energy
Provincial Safety Manager, Gas

References:

Safety Standards Act
Gas Safety Regulation
CSA B149.1 - Natural gas and propane installation code
CSA Z240 Standard MH Series - Manufactured homes
CSA Z240 Standard RV Series - Recreational Vehicles

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