



Carbon Monoxide Alarm Guidelines

The 2021 International Residential Code requires carbon monoxide alarms to be installed in ALL single and two-family homes when there is an attached garage AND/OR fuel fired appliances are present. Whenever any alteration, repair or addition requiring a permit in existing dwellings a carbon monoxide detector shall be added with exception to these circumstances:

1. Exterior work involving roofing, siding, windows, doors, porches, decks or detached accessory structures (i.e. carports, gazebos, pergolas, fences, etc.)
2. General maintenance or repair of plumbing or mechanical systems that are not fuel fired.

Carbon monoxide alarms are fairly inexpensive, most local suppliers will sell them starting around \$20.00. When installing these alarms use the manufacture's installation instructions and follow these guidelines for best results:

- A minimum of one (1) alarm is required at each sleeping area, outside the bedroom(s).
- Carbon monoxide alarms must be PERMANENTLY installed or adhered to the wall.
- Carbon monoxide alarms may be battery operated or plug-in devices if mounted permanently to the wall (except in new construction or sleeping room additions).
- Carbon monoxide alarms should be installed in accordance with the manufacturer's installation instructions.
- Carbon monoxide alarms should not be installed in garages or within 3' of areas of high humidity (near or inside bathrooms).
- Avoid placing the Carbon monoxide alarm near air conditioning vent and filter grills. If no other location is possible try to install the alarm a few feet away for the grills.
- Combination smoke and carbon monoxide alarms will be allowed.

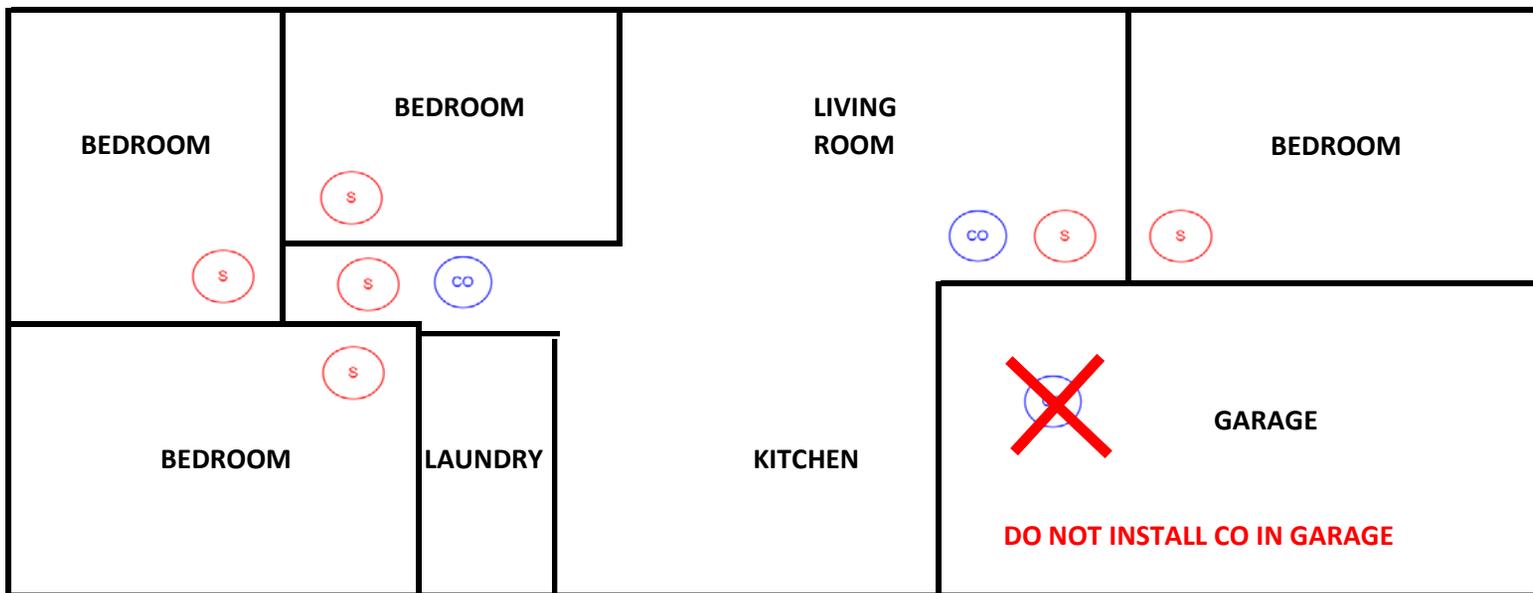
****Carbon monoxide alarms MUST be install and operational at the time of final in order to pass this inspection. ****

IRC 2021 Section R315

R315.2.2 Alteration, repairs and additions. Where alterations, repairs or additions requiring a permit occur, or where one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.

SMOKE ALARMS → (S)

CARBON MONOXIDE ALARMS → (CO)



**EXAMPLE
CARBON MONOXIDE ALARM PLACEMENT**