

 <p style="text-align: center;">State of Ohio Weatherization Program Standards</p>	Section	<b>MECHANICAL SYSTEMS INSPECTION</b>
	Subject	<b>Other Combustion Appliances</b>

*201-3.1 FUEL SUPPLY*

Use a combustible gas leak detector to check for propane or natural gas leaks on accessible rigid and flexible lines leading to cook stoves and gas combustion appliances other than the primary heat source or domestic hot water tank. If a dwelling unit has more than one secondary gas combustion appliance, inspect all appliances that are connected to the gas supply. Verify suspected leaks with soap solution. Determine the source and severity of the problem. Replace defective flexible range connectors.

**gas leaks**  
201-3.1a

If the gas leak is major (see 1504 Abbreviations and Definitions), immediately inform the customer and leave the building. Contact the fuel vendor and have the problem corrected. Document all the actions taken in the customer file.

**major gas leaks**  
201-3.1b



**No weatherization work may be done until major gas leaks are corrected.**



If the gas leak is minor (see 1504, Definitions), inform the customer and have the problem corrected.

**minor gas leaks**  
201-3.1c

If there are gas shut-off valves present, determine whether they work properly.

**gas shut-off valve**  
201-3.1d

*201-3.2 OVEN VENT*

Determine whether the oven is vented to the outside. If so, determine whether the vent is securely fastened.

**vent to outside**  
201-3.2a

*201-3.3 GAS COOK STOVE EXHAUST FAN*

Determine whether there is an operational kitchen exhaust hood or fan that is vented to the outside. If an exhaust fan is present, but is not operational, have the unit repaired or replaced.

**exhaust fan, vented to outside**  
201-3.3a

Inform the customer about the reasons for, and the importance of, using the kitchen exhaust fan while cooking.

**proper use**  
201-3.3b



*RANGE INSPECTION AND OPERATION 201-3.4*

**cook stove condition**

201-3.4a

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Note the general condition and cleanliness of the cook stove. If the unit is visibly dirty, perform the inspection and test it as it is. Ask the customer to clean the oven so that it can be retested at the final inspection. Explain to the customer why this is necessary.

**type of ignition**

201-3.4b

Determine the type of ignition for the burners, oven, and broiler. If the unit has standing pilot lights, ensure that the pilot lights are lit.

**operable burners**

201-3.4c

Determine whether the burners are operable. If they are not operable, it is allowable to have them repaired.

*CARBON MONOXIDE (CO) TESTING 201-3.5*

**stove top burners**

201-3.5a

Using a digital combustion analyzer, individually test each burner for the presence of CO (see section 1506-2). Record the reading for each burner.

**oven vented outside**

201-3.5b

The oven test is not necessary if the oven is vented to the outside.

**oven/broiler testing**

201-3.5c

Turn on the oven/broiler unit. Ensure that the oven burner fires. Note the time that the oven fires, and allow it to run 10 minutes before beginning the oven test (see 1506-2).

*CLOTHES DRYERS (ALL ENERGY SOURCES) 201-3.6*

**vent to outside**

201-3.6a

Determine whether the clothes dryer is vented outside to daylight.

**dryer vent duct material (rigid-metal)**

201-3.6b

Determine whether the dryer vent is a rigid-metal duct that has a smooth interior surface, is a minimum 30 gauge galvanized steel or aluminum and is equipped with a backdraft damper.

**dryer vent duct material (flexible-metal)**

201-3.6c

Determine whether the dryer vent duct is a transition duct used to connect the dryer to the exhaust duct. The transition duct may be flexible-metal duct for this application, installed in a manner that minimizes overall length. The preferred material for transition and exhaust duct is rigid metal.

Determine whether the diameter of the dryer vent duct is at least the diameter of the appliance outlet. Determine the length of a 4-inch diameter dryer vent duct. The maximum length shall not exceed 25 feet from the clothes dryer outlet to the termination point.

**dryer vent duct  
sizing (rigid-metal &  
flexible-metal)**  
201-3.6d

If the length exceeds 25 feet, increase the duct diameter to 5". (A reduction in maximum length of 2.5 feet for every 45-degree bend and 5 feet for every 90-degree bend shall apply).