



State of Ohio
Weatherization Program
Standards

Section	MOBILE HOME MECHANICAL SYSTEMS INSPECTION
Subject	Other Combustion Appliances

FUEL SUPPLY 601-3.1

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
601-3.1a

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
601-3.1b

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



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

minor gas leaks
601-3.1c

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

gas shut-off valve
601-3.1d

OVEN VENT 601-3.2

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

vent to outside
601-3.2a

GAS COOK STOVE EXHAUST FAN 601-3.3

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

exhaust fan, vented to outside
601-3.3a

OWPS 601-3 M H MECHANICAL SYSTEMS INSPECTION—Other Combustion Appliances

proper use
601-3.3b

CEE

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

RANGE INSPECTION AND OPERATION 601-3.4

cook stove condition
601-3.4a

CEE

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
601-3.4b

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
601-3.4c

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

CARBON MONOXIDE (CO) TESTING 601-3.5

stove top burners
601-3.5a

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

oven vented outside
601-3.5b

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

oven/broiler testing
601-3.5c

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) 601-3.6

vent to outside
601-3.6a

Determine whether the dryer is vented to the outside to daylight.

horizontal vent slope
601-3.6b

Determine whether a clothes dryer that is vented horizontally under a mobile home is sloping downward, 1/8" per foot toward the termination hood.

dryer vent duct material (rigid-metal)
601-3.6c

Determine whether the dryer vent duct 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.

Vent clothes dryer with a flexible-metal transition duct that is approved for use with the applicable energy source type. The preferred material for transition and exhaust duct is rigid-metal. Install it in a manner that minimizes overall length, and is sufficiently supported to eliminate sagging.

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

601-3.6d

If the diameter of the dryer vent duct is not at least the diameter of the appliance outlet, install one that 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. 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).

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

601-3.6e