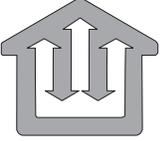


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|---|---------|--|
|  <p style="text-align: center;">State of Ohio Weatherization Program Standards</p> | Section | MOBILE HOME MECHANICAL SYSTEMS INSPECTION |
| | Subject | Electric Heat Pump/ Central Air Systems |

NON-OPERATIONAL UNITS 601-2.1

A mobile home may not be weatherized until a non-operational, electric heat pump that is the primary heating unit is repaired or replaced.

repair/replace
601-2.1a



Perform an authorized mobile home audit, or complete a Manual J before replacing unit.

cost-effectiveness
601-2.1b

Do not test heat pumps when the exterior air temperature is above 70°F.

heat pump test
601-2.1c

Do not test air conditioning units when the exterior air temperature is below 70°F.

air conditioner test
601-2.1d

THERMAL FLUID LEAKAGE 601-2.2

Use a refrigerant leak detector to inspect for thermal fluid leakage. If a leak is detected, promptly contact an EPA-certified technician to correct the problem.

thermal fluid leakage test
601-2.2a

ELECTRICAL POWER SUPPLY 601-2.3

Inspect the main electrical power supply to the heat pump/AC unit to ensure that it is safe.

main power safety
601-2.3a

Inspect the wiring to the heat pump/AC unit. Determine whether the heat pump/AC unit has a properly sized and fused dedicated circuit.

dedicated circuit
601-2.3b

Verify that there is a disconnect switch present on outdoor units.

disconnect switch
601-2.3c

Visually inspect all wiring at, or in, the heat pump/AC unit for the presence of charred, frayed or missing wire insulation, and for loose or improper connections.

hazardous wiring
601-2.3d



If a hazard exists, inform the customer and have the problem corrected before performing weatherization work.



HEATING/COOLING UNIT CLEARANCES 601-2.4

**unit clearances,
indoors**
601-2.4a

Visually inspect the unit to determine whether clearances from combustible surfaces are PMI.

**unit clearances,
outdoors**
601-2.4b

CEE

Visually inspect the outside unit and determine that clearances are PMI. Determine if cooling fins are obstructed or dirty. Determine whether access to the unit is blocked. Explain to the customer why this is important.

BACK UP SYSTEM INSPECTION 601-2.5

back up system
601-2.5a

Determine the back-up system fuel type and perform an inspection in accordance with 601-1.

AIR HANDLER 601-2.6

condensate drainage
601-2.6a

Visually inspect the inside of the unit to determine if there is proper condensate drainage. Make sure that there are no puddles or residue present.

a-coil
601-2.6b

Visually inspect the A-coil for existence of cracks or holes. If any are present, contact an EPA-certified technician to repair them.

fins/filters/ducts
601-2.6c

Visually inspect for dirty or obstructed fins, filters or ducts.

**temperature rise/
drop test**
601-2.6d

With the unit operating, measure the temperature at the supply and return side close to, but not in, the plenums. Subtract the measured temperatures to determine temperature rise/drop. Determine whether the temperature rise/drop is PMI

CONTROLS 601-2.7

blower
601-2.7a

Determine whether the blower motor, belt, and fan are clean and operating properly. Determine if the blower motor needs lubrication.

thermostat
601-2.7b

Determine whether the thermostat is operating correctly. Adjust the temperature to determine whether the thermostat properly activates the heating and cooling units.