



State of Ohio
Weatherization Program
Standards

Section	MOBILE HOME MECHANICAL SYSTEMS INSTALLATION
Subject	Heat Distribution System

FORCED-AIR DISTRIBUTION SYSTEM 701-5.1

Clean the blower motor and fan if they are dirty. Replace or tighten the belt if it needs it. Check that the unit is operating properly.

**fan operation/
condition**
701-5.1a

Adjust, repair or replace the fan control, as necessary, so that it properly activates the fan.

fan control
701.5.1b

Uncover any blocked registers. Explain to the customer why this is important.

register blockage
701-5.1c

CEE

Test for duct leakage, and locate duct leak sites (see 1506-5) using only the taped duct test.

duct leakage test
701-5.1d

Connect disconnected duct sections and replace missing as well as severely corroded, punctured or crushed duct sections.

**missing or
disconnected sections**
701-5.1e

Use hangar straps to eliminate sags in flex duct runs. Rehang flex duct sections in which strapping is constricting the duct and reducing air flow.

flex duct
701-5.1f

If the mobile home has return registers in the floor, close them off, and allow the return air to go directly into the furnace closet where the blower fan is located. Install properly sized louvers in the furnace closet door, or install a louvered door. Block off the floor return opening in the furnace closet.

return ducts
701-5.1g

NOTE: Do not block combustion air inlets (see 1506-7.2).

NOTE: If a central air conditioner is present, be sure that there is enough return air so that the A-coils are not damaged by insufficient return air. If necessary, correctly install additional return air.

supply ducts

701-5.1h

Access the supply duct from the under side of the mobile home by cutting an opening in the belly board under the furnace, and at both ends of the supply duct. Seal the furnace-to-duct connection, and both ends of the supply duct. If the mobile home has cross over ducts, seal the cross over sites and the ends of the cross over ducts.

furnace filter

701-5.1i

CEE

Remove each register in the living area and seal any gaps between the duct, the register boot, and the floor. Seal any other holes that were discovered in the inspection process.

Change the furnace filter if it is needed. Demonstrate the filter changing procedure to the customer, whenever possible.

ELECTRIC BASEBOARD DISTRIBUTION SYSTEM
701-5.2

heat transfer fins

701-5.2a

Clean dirty heat transfer fins. Straighten bent fins.