

Field Replacement Furnace Vent Transition Kit

INSTALLATION INSTRUCTIONS

For CMF95 / M7RL Series Furnaces

IMPORTANT SAFETY INFORMATION

INSTALLER: Please read all instructions before servicing this equipment. Pay attention to all safety warnings and any other special notes. Safety markings are used frequently throughout these instructions to designate a degree or level of seriousness and should not be ignored. **WARNING** - Indicates a potentially hazardous situation that if not avoided, could result in personal injury or death.

WARNING:

This kit is to be installed by a qualified service technician in accordance with these instructions and all codes having jurisdiction. Failure to follow these instructions could result in serious injury, property damage, or death.

These instructions are primarily intended to assist qualified individuals experienced in the proper vent and combustion intake pipe installations of this appliance. Some local codes require licensed installation/service personnel for the installation of this type of equipment. The qualified service technician performing this work assumes responsibility for this furnace installation.

Read these instructions and the corresponding furnace installation instructions carefully before beginning the installation.

ABOUT THE VENT TRANSITION KIT

This kit is to be used for field replacement of a non-condensing manufactured housing with a CMF95 / M7RL series furnace. It may be used at elevations up to 8,000 feet above sea level. The CMF95 / M7RL furnace series are condensing gas furnaces and must be vented with PVC or equivalent pipe to prevent vent corrosion. Using the replacement chase assembly and vent caps in this kit, you may easily install the vent and combustion air intake pipes for the new furnace. Before you begin the installation process, make sure your kit contains all the items listed in Table 1.

KIT CONTENTS	
Replacement Vent Caps	Qty: 2
2" Rubber Couplings	Qty: 2
2" Diameter Clamps	Qty: 4
90° Street Elbows	Qty: 2
#10 Sheet Metal Screws	Qty: 6
Vent Chase Assembly	Qty: 1
Instruction sheet	Qty: 1

Table 1. Kit Contents

VENT PIPE MATERIALS

Vent and combustion air pipe and fittings must be one of the following materials in the list and must conform to the indicated ANSI/ASTM standards.

Cement and primer must conform to ATSM Standard D2564 for PVC and Standard D2235 for ABS. When joining PVC piping to ABS, use PVC solvent cement. (See procedure specified in ASTM Standard D3138.)

* In Canada, check the local codes to ensure that SDR is approved for use. SDR is not approved for all Canadian installations.

Materials	Standards
Schedule 40PVC	D1785
PVC-DWV	D2665
SDR-21* & SDR-26*	D2241
ABS-DWV	D2661
Schedule 40 ABS	F628
Foam/Cellular Core PVC	F891

Table 2. Vent Pipe Materials

INSTALLATION OF THE VENT CHASE ASSEMBLY

1. Replace the existing furnace with the new CMF95 / M7RL furnace. See also the installation instructions supplied with the furnace.
2. Remove the existing roof jack or other existing vent assembly completely. The existing holes in the ceiling and roof will serve to install the new vent chase assembly.
3. Verify that the existing holes in the ceiling and roof will accept the new vent chase assembly and the surrounding areas are sound for installation. The holes should be approximately the following sizes:
 - Ceiling = 8 3/4" (222 mm) diameter
 - Roof = 9 3/8" (238 mm) diameter
4. Apply caulking compound on the underside of roof flashing to form a continuous strip at least 3/8" wide around the underside of the perimeter of the flashing.
5. Attach roof flashing. If necessary, shift roof flashing slightly in the roof opening so that the assembly is aligned with furnace. **NOTE:** Optional slant deck flashing may be necessary depending upon installation.
6. Press down firmly on roof flashing (over caulking) to make the seal with roof water tight.
7. Secure flashing with appropriate fasteners. **NOTE:** For added protection against leaks, coat the flashing plate and fasteners with approved roofing compound.

INSTALLATION OF THE VENT & COMBUSTION AIR INTAKE PIPE

1. Choose vent pipe material from Table 2.
2. Attach the supplied large radius 90° street elbows to the furnace vent and combustion air pipes using the 2" rubber couplings and clamps. The upper clamps should be left loose for adjustments during remaining portion of the installation.
3. Place the bottom and top replacement caps on the vent chase. DO NOT screw the caps down at this time.
4. Cut the 2" pipes according to the installation and route vent and combustion air intake pipes through the replacement caps shown in Figure 1.

NOTE: The maximum height from the top of the furnace to the top of the flues pipe must be no longer than 15 feet.

5. Join all the pipes and elbows using appropriate primer and cement.
6. Screw the top and bottom replacement caps to the vent chase.

NOTE: At least two screws must be used on each cap.

7. Tighten the upper hose clamps on the 2" rubber couplings.
8. Secure the upper vent chase pipe to the lower vent chase pipe (at the bottom of the upper chase pipe) using at least two screws. See Figure 1.
9. Seal around the two pipes on the top and bottom replacement caps with silicone sealant.

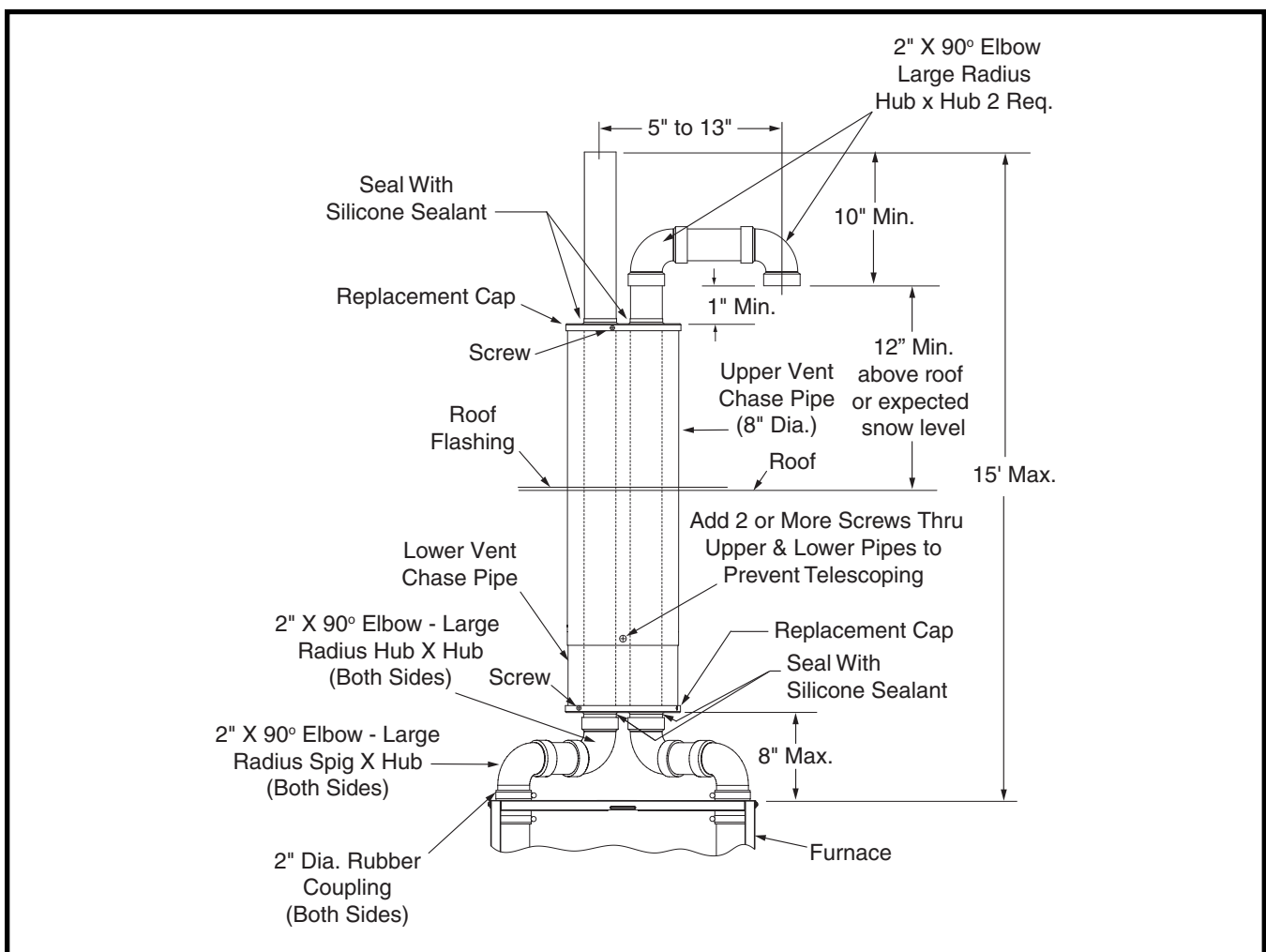


Figure 1. Vent & Combustion Air Intake Pipe Installation

