

INSTALLATION INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

INSTALLER: Please read all instructions thoroughly before servicing this equipment. Pay attention to all safety warnings and any other special notes highlighted in the manual. Safety markings are used frequently throughout this manual 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. **CAUTION** - Indicates a potentially hazardous situation that if not avoided, may result in minor or moderate injury or property damage.

⚠ WARNING:

Unless noted otherwise in these instructions, only factory authorized parts or accessory kits may be used with this product. Improper installation, service, adjustment, or maintenance may cause explosion, fire, electrical shock or other hazardous conditions which may result in personal injury or property damage

⚠ WARNING:

The information listed below must be followed during the installation, service, and operation of this unit. Unqualified individuals should not attempt to interpret these instructions or install this equipment. Failure to follow safety recommendations could result in possible damage to the equipment, serious personal injury or death.

- Use caution when removing components or handling this product. Personal injury can occur from sharp metal edges present in all sheet metal constructed equipment.

ABOUT THE VENT TRANSITION KIT

This kit is to be used for field replacement of a non-condensing manufactured housing with a CMF95 / M7 / MG2S series furnace. It may be used at elevations up to 8,000 feet above sea level. CMF95 / M7 / MG2S series furnace 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

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
*PolyPro® by DuraVent	ULC-S636
CPVC	D1784

*When using PolyPro®, all venting and fittings must be from the same manufacturer with no interchanging of other materials. Refer to specific instructions supplied with the PolyPro vent kits

When joining PVC to PVC, use cement that conforms to ASTM standard D2564. PVC primer must meet standard ASTM F656. When joining ABS to ABS, use cement that conforms to ASTM standard D2235. When joining PVC to ABS, use cement as specified in procedure from ASTM standard D3138

In Canada, all plastic vent pipes and fittings including any cement, cleaners, or primers must be certified as a system to ULC S636. However this requirement does not apply to the finish flanges or piping internal to the furnace.

INSTALLATION OF THE VENT CHASE ASSEMBLY

1. Replace the existing furnace with the new CMF95 / M7 / MG2S 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.
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.

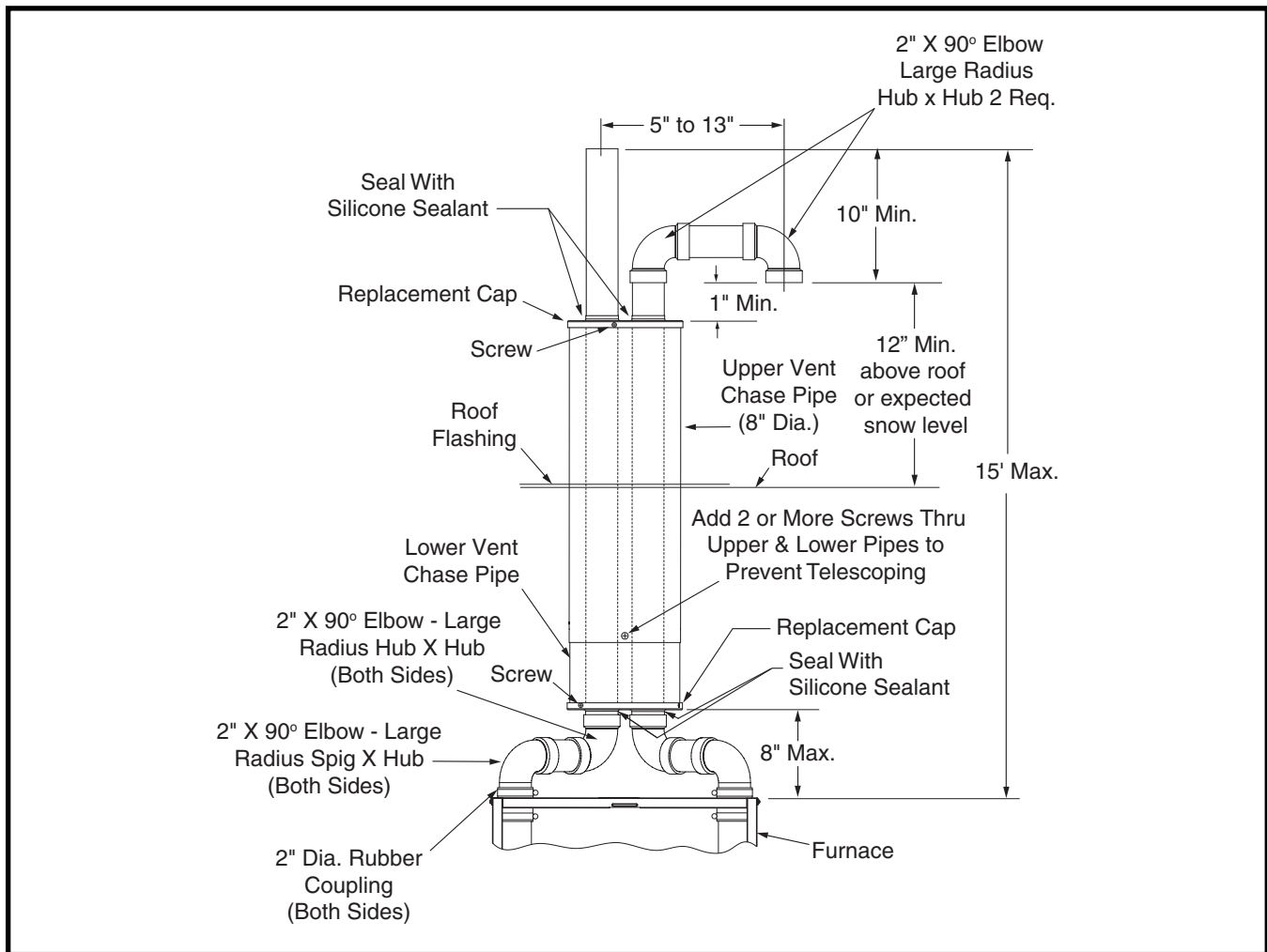


Figure 1. Vent & Combustion Air Intake Pipe Installation

