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## CONDENSATE TRAP REPLACEMENT KIT

### INSTALLATION INSTRUCTIONS FOR CONDENSATE TRAP REPLACEMENT KIT (10C90) USED WITH G41UF, G43UF, G51MP, G61MP, G61MPV & G71MPP SERIES UNITS IN UPFLOW AND DOWNFLOW APPLICATIONS

#### Shipping & Packing List

Package 1 of 1 contains the following:

- 1 - Trap assembly
- 2 - 1/2" CPVC elbow assemblies
- 1 - Strap
- 1 - Condensate collar
- 2 - #8 1/2" screws

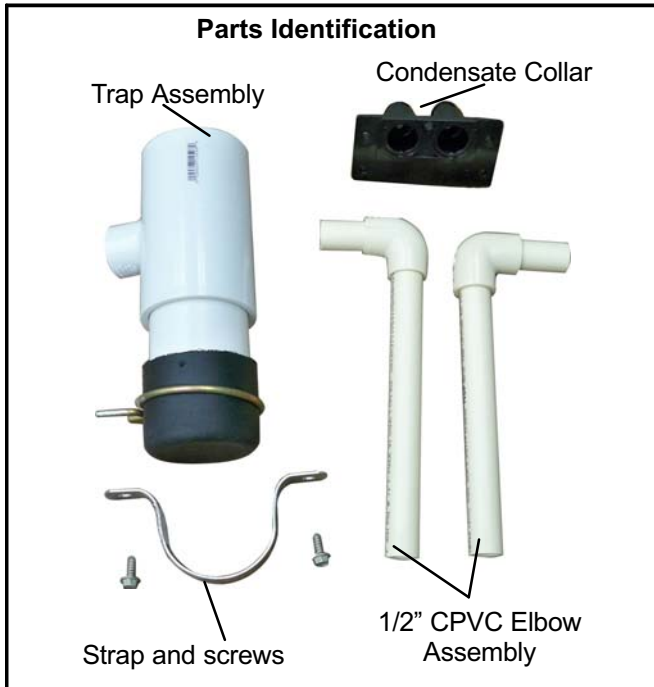


FIGURE 1

#### Shipping Damage

Check for shipping damage. If damage is found, immediately contact last carrier.

#### Application

Condensate trap replacement kit (99W55) is used with G41UF, G43UF, G51MP, G61MP, G61MPV and G71MPP units installed in upflow and downflow applications. For G41, G43, G51MP, G61MP and G61MPV in horizontal applications use kit 61M35. For G71MPP units in horizontal applications use kit 39W98.

#### ⚠ WARNING

Condensate trap must be installed to ensure safe operation of this furnace.

#### ⚠ WARNING

This kit includes an open-drain trap which will not cause the unit to shut down if the drain is blocked. The furnace will continue to operate in the case of a blocked drain.

Make sure that the drain termination is visible to the homeowner and that the homeowner is aware of the importance of freely flowing condensate during unit operation.

#### Installation

#### ⚠ WARNING

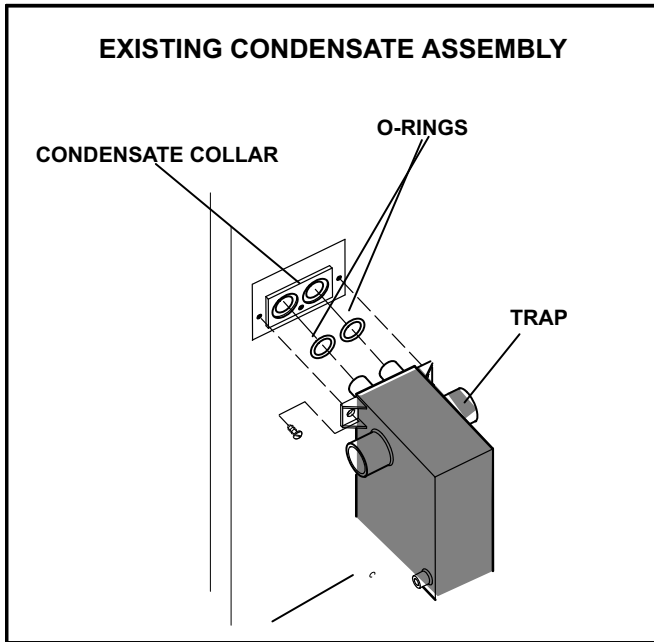
Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional installer (or equivalent), service agency or the gas supplier.

#### ⚠ CAUTION

As with any mechanical equipment, personal injury can result from contact with sharp sheet metal edges. Be careful when you handle this equipment.



- 1 - Turn off electrical and gas supplies to the furnace.
- 2 - Remove the upper furnace access panel.
- 3 - Remove the condensate collar and trap from the furnace and discard them. See figure 2. Remove evaporator coil drain line if necessary.



**FIGURE 2**

- 4 - Use the existing screws to install the provided replacement condensate collar.

*NOTE - Use ABS to PVC transition solvent cement to glue a field-provided PVC coupling or PVC pipe to the trap.*

- 5 - Glue the two provided 1/2" PVC elbow assemblies into the condensate collar. Make sure they are vertical or slightly tilted towards each other so that they will fit side-by-side within the trap assembly.
- 6 - Slide the tee assembly up onto the legs of the elbow assemblies until it touches the bottom of the 1/2" elbows. This will ensure an adequate water column to prevent flue gases from escaping into the home. See figure 3.
- 7 - Use the provided strap and screws to secure the trap to the cabinet. Take care to place the strap around the trap assembly bottom of the tee. DO NOT secure strap around the 1-1/2" long pipe extension, as this may prevent the removal of the boot for cleaning at a later date. See figure 4.
- 8 - Glue the field-provided drain line to the tee. Route the drain line to an open drain. As an alternate, clear vinyl tubing may be used to drain condensate away from the trap. Secure the vinyl tubing to the drain stubs on the trap using a hose clamp. Do not overtighten the hose clamp.

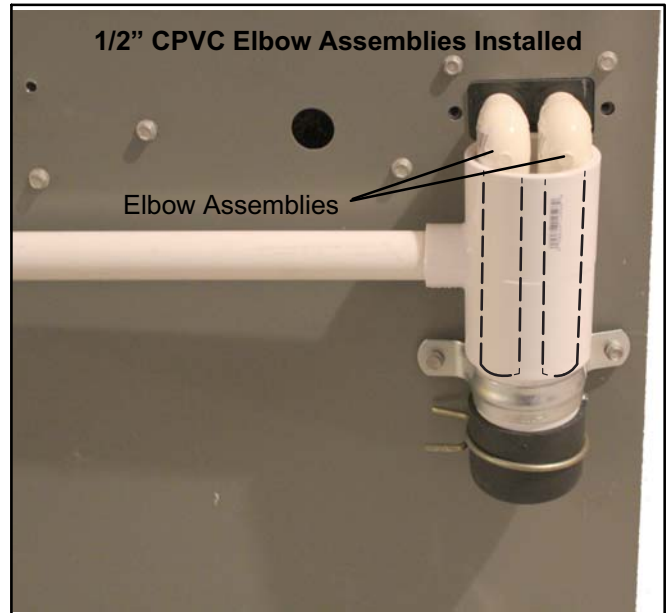
- 9 - Re-install the evaporator coil drain line if removed.

### Priming Condensate Trap

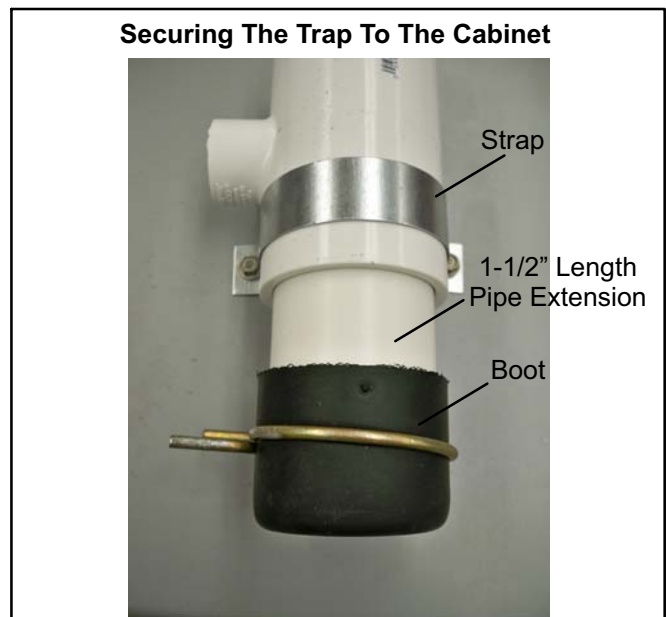
The condensate trap should be primed with water prior to start-up to ensure proper condensate drainage. Pour 10 fl. oz. (300 ml) of water into the trap.

### Unit Start Up

- 1 - Follow the lighting instructions provided on unit nameplate to place the unit into operation.



**FIGURE 3**



**FIGURE 4**