

INSTALLATION INSTRUCTIONS

CONCENTRIC VENT TERMINATION KIT for

90% GAS FURNACES

RXGY-E02 (U.S. ONLY)
RXGY-E02A (U.S. AND CANADA)

RXGY-E03 (U.S. ONLY)
RXGY-E03A (U.S. AND CANADA)

WARNING

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT AND OPERATION OF THIS KIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION, ADJUSTMENT OR OPERATION. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN IMPROPER INSTALLATION, ADJUSTMENT, SERVICE, OR MAINTENANCE POSSIBLY RESULTING IN FIRE, ELECTRICAL SHOCK, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

WARNING

THIS KIT IS TO BE USED ONLY FOR TERMINATING CATEGORY IV CONDENSING GAS FURNACES. DO NOT USE THIS KIT TO TERMINATE ANY OTHER TYPE OF FURNACE. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN FIRE, PERSONAL INJURY, OR DEATH.

LOCATION

The Concentric Vent Termination Kit can be installed in either rooftop or sidewall orientation. Before installation procedures begin, determine the best location for the termination kit.

NOTE: Roof termination is recommended as it is less susceptible to damage, reduces chances of air intake contaminants, and less visible vent vapors.

ROOF INSTALLATION

STEP 1: Cut a 4" (-E02, -E02A) or 5" (-E02, -E03A) diameter opening in the roof and install field-supplied weather-seal boot/flashing for the PVC air intake pipe.

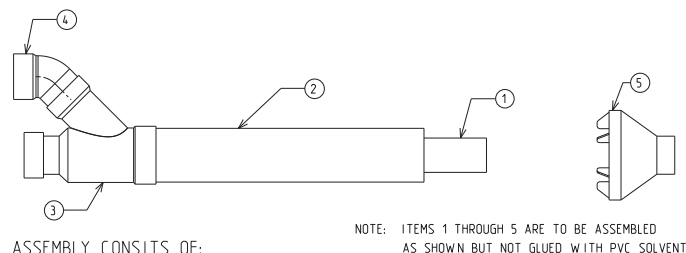
STEP 2: Assemble the Vent Pipe Assembly by cleaning and cementing the rain cap to the smaller diameter PVC pipe (see Figure 2). Assemble the Intake Pipe Assembly by cleaning and cementing the "Y" fitting to the large diameter pipe (see Figure 3).

NOTE: If field disassembly is desired for cleaning, a field-supplied stainless-steel screw may be used to secure the vent cap to the PVC vent pipe instead of cement.

WARNING

WHEN USING ALTERNATE SCREW METHOD, PRE-DRILL CLEARANCE HOLE IN RAIN CAP AND PILOT HOLE IN VENT PIPE TO MATCH THE SCREW SIZE BEING USED. FAILURE TO DO SO MAY CAUSE CRACKING OF THE PVC COMPONENTS, ALLOWING COMBUSTION PRODUCTS TO BE RECIRCULATED. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN PERSONAL INJURY OR DEATH.

**FIGURE 1
COMPONENTS**

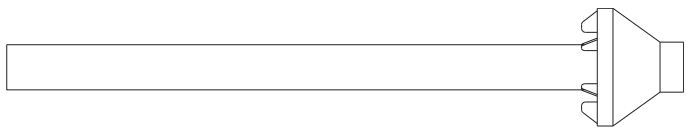


ASSEMBLY CONSISTS OF:

ITEM No.	DESCRIPTION
1	PVC VENT PIPE
2	PVC AIR INTAKE PIPE
3	PVC "Y"
4	45° STREET ELBOW (FIELD SUPPLIED)
5	PVC VENT CAP

68-23421-03

**FIGURE 2
VENT PIPE ASSEMBLY**



NOTE: This vent kit is ULC S636 certified and may be installed in the U.S. and Canada.

⚠ WARNING

DO NOT OPERATE THE FURNACE WITH THE RAIN CAP REMOVED OR RECIRCULATION OF COMBUSTION PRODUCTS MAY OCCUR. THE COMBUSTION AIR PIPE MAY ALSO TAKE IN WATER, CAUSING DAMAGE TO THE FURNACE. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN DAMAGE TO THE UNIT, IMPROPER OPERATION, PERSONAL INJURY OR DEATH.

STEP 3: From below, work the intake pipe up through the seal boot, ensuring that no insulation or debris accumulate in the pipe.

STEP 4: To secure the intake pipe assembly use a field-supplied perforated strap or a suitable type material.

NOTE: Ensure termination height is above the roof surface or anticipated snow level (1 ft. in USA or 1-1/2 ft. in Canada).

STEP 5: From the roof top, slide the vent pipe assembly down through the intake pipe. Cement the top of the intake pipe to the rain hood and the bottom of the vent pipe to the inner bushing of the the intake pipe assembly's "Y" fitting.

STEP 6: Complete vent and intake connections to the furnace.

SIDEWALL INSTALLATION

IMPORTANT: When installing the kit in a sidewall installation, consider the following when choosing a location:

- * Kit is positioned where vent vapors will not damage plants/shrubs or air conditioning equipment
- * Kit is positioned so that wind will not cause combustion products, leaves, snow or other debris from entering the air intake.
- * Kit is positioned where it will not get damaged by foreign objects (i.e. balls, stones, etc.)
- * Kit is positioned where vent vapors will not be inhaled or cause a nuisance.

STEP 1: Cut a 4" (-E02, -E02A) or 5" (-E03, -E03A) diameter opening in the sidewall and install field-supplied weather-seal boot/flashing for the PVC vent pipe.

STEP 2: From inside, work the intake pipe through the hole, ensuring that no insulation or debris accumulate in the pipe.

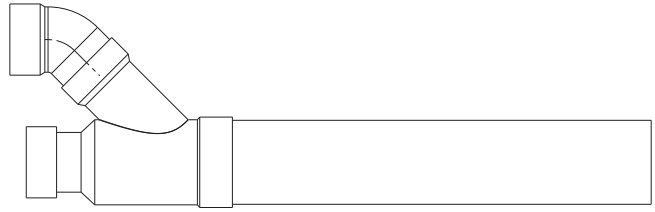
STEP 3: To secure the intake pipe assembly use a field-supplied perforated strap or a suitable type material.

NOTE: Ensure termination height is above the anticipated snow level (1 ft. in USA or 1-1/2 ft. in Canada).

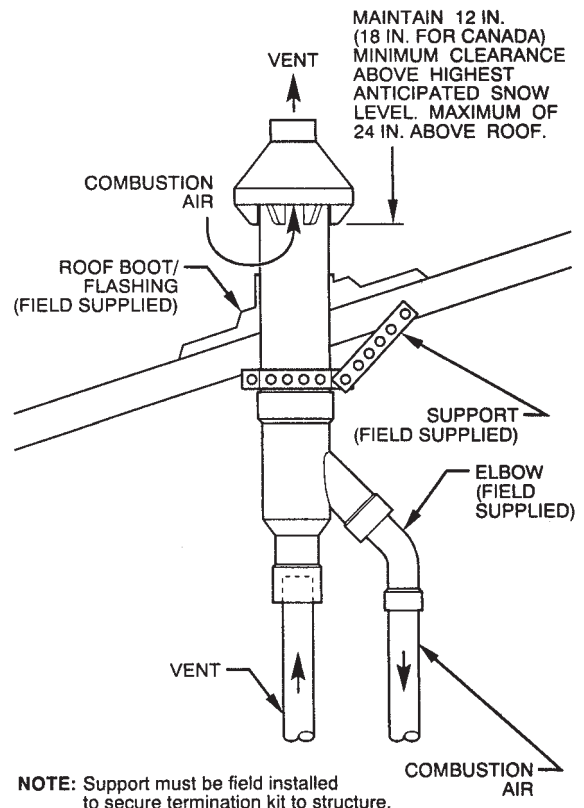
STEP 4: From the outside, slide the vent pipe assembly down through the intake pipe. Cement the top of the intake pipe to the rain hood and the bottom of the vent pipe to the inner bushing of the the intake pipe assembly's "Y" fitting.

STEP 5: Complete vent and intake connections to the furnace.

**FIGURE 3
INTAKE PIPE ASSEMBLY**

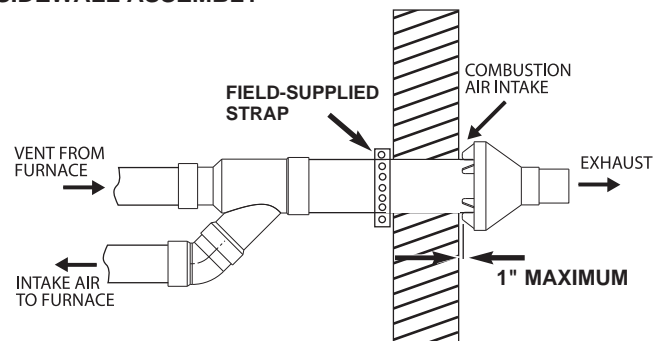


**FIGURE 5
ROOF INSTALLATION**



NOTE: Support must be field installed to secure termination kit to structure.

**FIGURE 4
SIDEWALL ASSEMBLY**



SPECIAL VENTING INSTRUCTIONS FOR INSTALLATIONS IN CANADA

FOR HIGH EFFICIENCY, CONDENSING TYPE FURNACES MANUFACTURED BY OR FOR RHEEM MANUFACTURING CO., RHEEM AIR CONDITIONING DIVISION, RHEEM SALES CO. INC., RUUD AIR CONDITIONING DIVISION, AND HEAT-CONTROLLER INC.

INSTRUCTIONS

SPECIAL VENTING REQUIREMENTS FOR INSTALLATIONS IN CANADA

Installation in Canada must conform to the requirements of CSA B149 code. Vent systems **must** be composed of pipe, fittings, cements, and primers listed to ULC S636. This concentric vent termination kit has been certified to ULC S636 for use with those IPEX PVC vent components which have been certified to this standard. In Canada, the primer and cement must be of the same manufacturer as the vent system; do not mix primers and cements from one manufacturer with a vent system from a different manufacturer. Follow the manufacturer's instructions in the use of primer and cement and never use primer or cement beyond its expiration date.

The safe operation, as defined by ULC S636, of the vent system and this termination kit is based on following these installation instructions, the vent system manufacturer's installation instructions, and proper use of primer and cement. Acceptability under Canadian standard CSA B149 is dependent upon full compliance with all installation instructions. Under this standard, it is recommended that the vent system be checked once a year by qualified service personnel.

The authority having jurisdiction (gas inspection authority, municipal building department, fire department, etc.) should be consulted before installation to determine the need to obtain a permit.

CONSIGNES SPECIALES POUR L'INSTALLATION DE VENTILLATION AU CANADA

L'installation faite au Canada doit se conformer aux exigences du code CSA B149. Ce système de ventilation doit se composer de tuyaux, raccords, ciments et apprêts conformes au ULC 636. Ce système de ventilation concentrique a été certifié ULC S636 pour être utilisé avec les composantes IPEX PVC qui sont certifiés. Au Canada l'apprêt et le ciment **doivent** être du même fabricant que le système de ventilation; ne pas mélanger l'apprêt et le ciment d'un fabricant avec le système de ventilation d'un autre fabricant. Bien suivre les indications du fabricant lors de l'utilisation de l'apprêt et du ciment et ne pas utiliser ceux-ci si la date d'expiration est atteinte.

Le bon fonctionnement de ce système de ventilation est conditionnel à l'installation tel que défini par le ULC S636 c'est à dire: bien suivre les consignes ci-haut mentionnées ainsi que les instructions du fabricant et aussi une bonne utilisation de l'apprêt et du ciment. L'acceptation du standard Canadien CSA B149 est directement relié à l'installation conforme aux instructions ci-haut mentionnées. Le standard Canadien recommande l'inspection par un personnel qualifié et ce, une fois par année.

Les autorités ayant juridiction (inspecteurs de gaz, inspecteurs en bâtiments, département des incendies, etc.) devraient être consultées avant l'installation afin de déterminer si un permis est requis.

