



Accessory Vent Terminal Kit

Part Numbers 58SX900001 and 58SX900011

INTRODUCTION

This instruction covers the installation of vent kit Part Numbers 58SX900001 and 58SX900011 on the combustion-air and vent pipe terminations outside the structure. In addition to the following information, refer to Procedures for Deluxe Gas-Fired Condensing Furnaces packaged with the furnace.

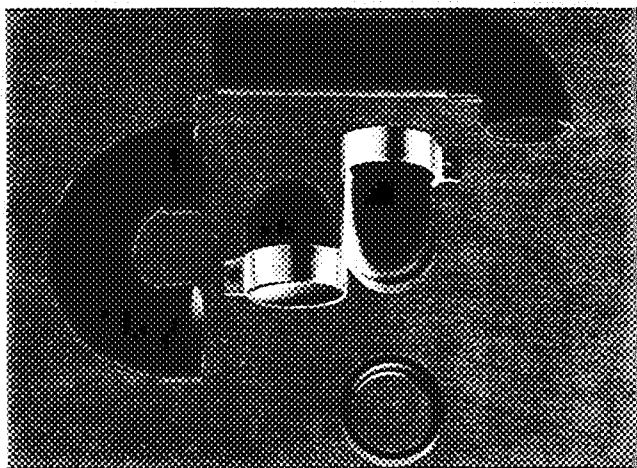


Fig. 1 — Terminal Kit

NOTE. Read the entire instructions before starting the installation.

The vent terminal kit contains the following items:

- 1 — Terminal Elbow Assembly
- 1 — Vent Outlet Assembly
- 1 — PVC Pipe Coupling
- 1 — PVC 180° Return Bend
- 1 — Installation Instructions

Two terminal kits are available. The 2-in. kit is for 1-1/2 in. and 2-in. diameter pipe systems. The 3-in. kit is for 2-1/2 in. and 3-in. diameter pipe systems. Each kit will have extra parts. See Fig. 2 through 7 for the different applications. The combustion-air and vent pipes must terminate outside the structure. A factory-supplied termination kit must be installed in one of the installations shown in Fig. 2 through 7. The roof termination is preferred.

Do not count the shaded parts in Fig. 2 through 7 when determining the pipe diameter from the pipe diameter table. These parts are provided in the terminal kit.

INSTALLATION

Rooftop Terminal Installation. See Fig. 2 and 3.

NOTE. The arrangement in Fig. 2 is preferred. The arrangement shown in Fig. 3 is an option for the combustion-air pipe.

1. Remove one 90-degree elbow from elbow and bracket assembly provided in kit and loosen screw so other elbow can turn.

2. Loosely install elbow with bracket on combustion-air pipe.
3. Loosely install pipe coupling, provided in kit, on properly cut vent pipe. The position of the coupling must be so that the bracket will mount as shown in Fig. 2.
4. Disassemble loose pipe fittings. Clean and cement using same procedures as used for system piping.
5. Install bracket as shown in Fig. 2.
6. For applications using combustion-air pipe option as shown in Fig. 3, install 180-degree U-fitting on end of combustion-air pipe instead of 90-degree elbow.

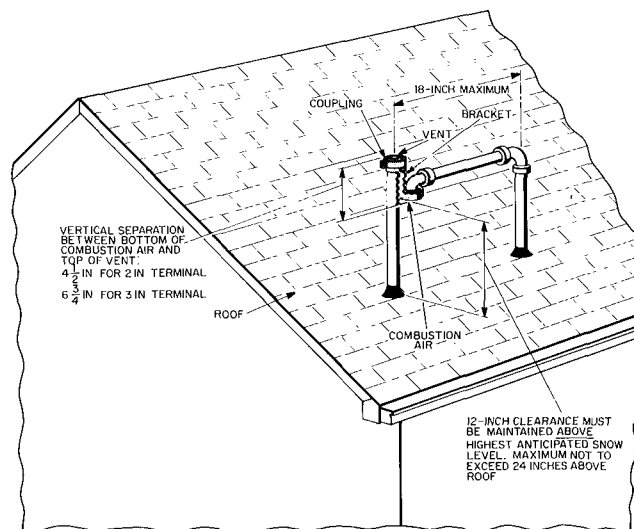


Fig. 2 — Rooftop Termination (Preferred)

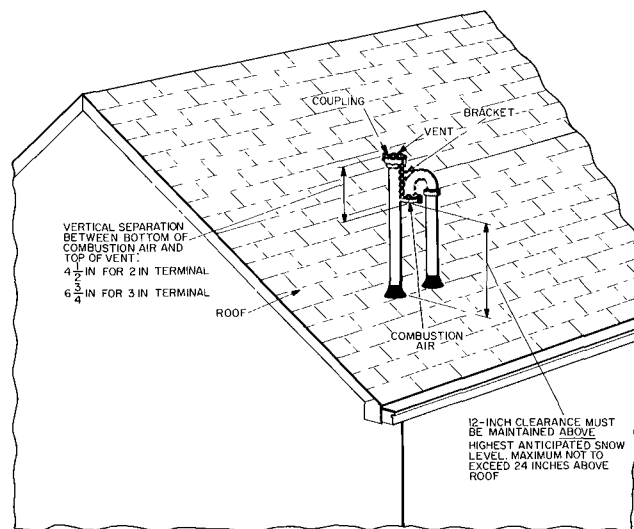


Fig. 3 — Rooftop Termination (Option)

NOTE. The arrangement in Fig. 4 is preferred. The arrangement in Fig. 5 is an option for the vent pipe only.

- 1 Loosely install elbow and bracket assembly on combustion-air and vent pipes.
2. Remove and disassemble elbow and bracket assembly.
3. Install elbows as shown in Fig. 4 or 5 using same procedures for cementing as used for system piping
4. Install bracket as shown in Fig. 4 or 5.
- 5 Position vent pipe assembly so as to maintain 12-in. separation between vent pipe outlet and combustion-air inlet. Cement vent pipe in elbow as shown in Fig. 4 or 5.
6. For applications using vent pipe option as shown in Fig. 5, rotate elbow 90 degrees from position shown in Fig. 4.

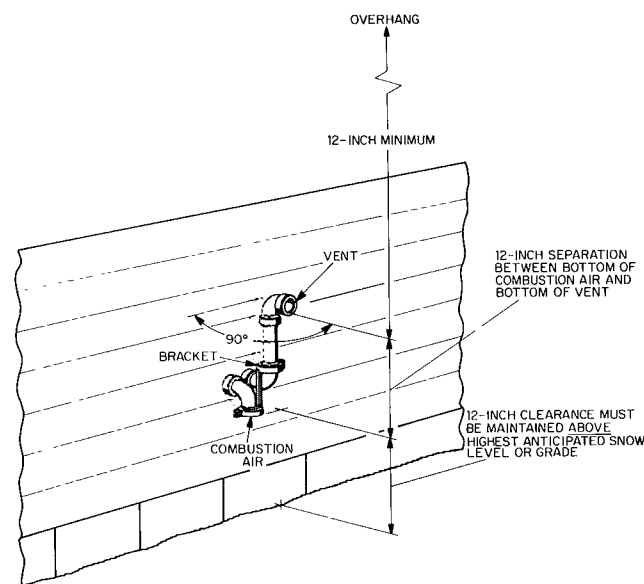


Fig. 4 — Sidewall Termination Above Snow Level or Grade (Preferred)

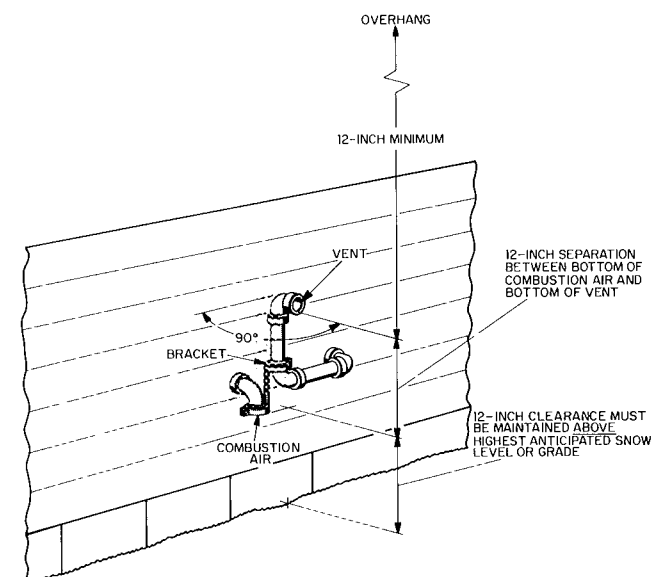


Fig. 5 — Sidewall Termination Above Snow Level or Grade (Option)

NOTE: The arrangement in Fig. 6 is preferred. The arrangement shown in Fig. 7 is an option for the vent pipe only.

1. Disassemble elbow and bracket assembly.
2. Loosely install bracket on 180-degree U-fitting
3. Loosely install coupling on end of vent pipe.
4. Loosely install U-fitting and bracket as shown in Fig. 6. Position U-fitting so open end is against structure wall
5. Loosely install vent pipe assembly in coupling as shown in Fig. 6 or 7.
6. Check required dimensions as shown in Fig. 6 or 7.
7. Disassemble loose pipe fittings. Clean and cement using same procedures as used for system piping.
8. Install bracket as shown in Fig. 6 or 7.

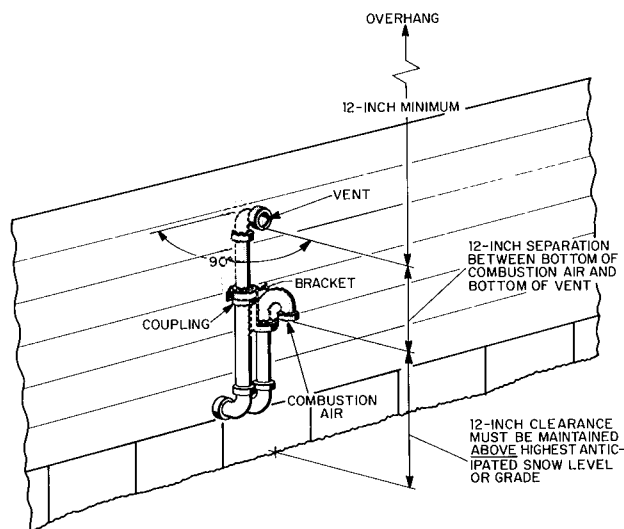


Fig. 6 — Sidewall Termination Below Snow Level or Too Close to Grade (Preferred)

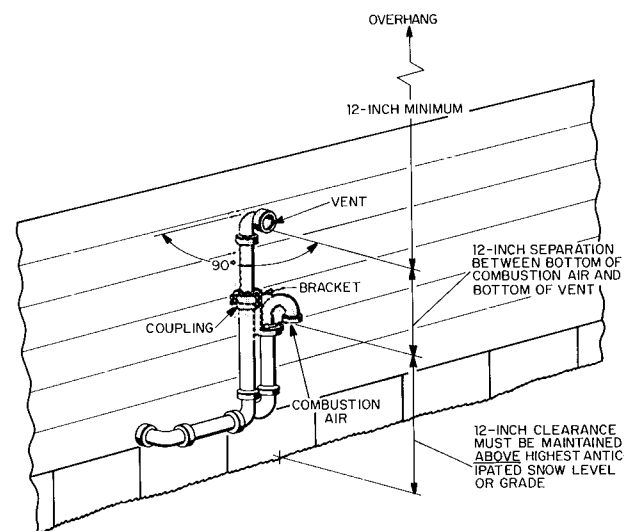


Fig. 7 — Sidewall Termination Below Snow Level or Too Close to Grade (Option)

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