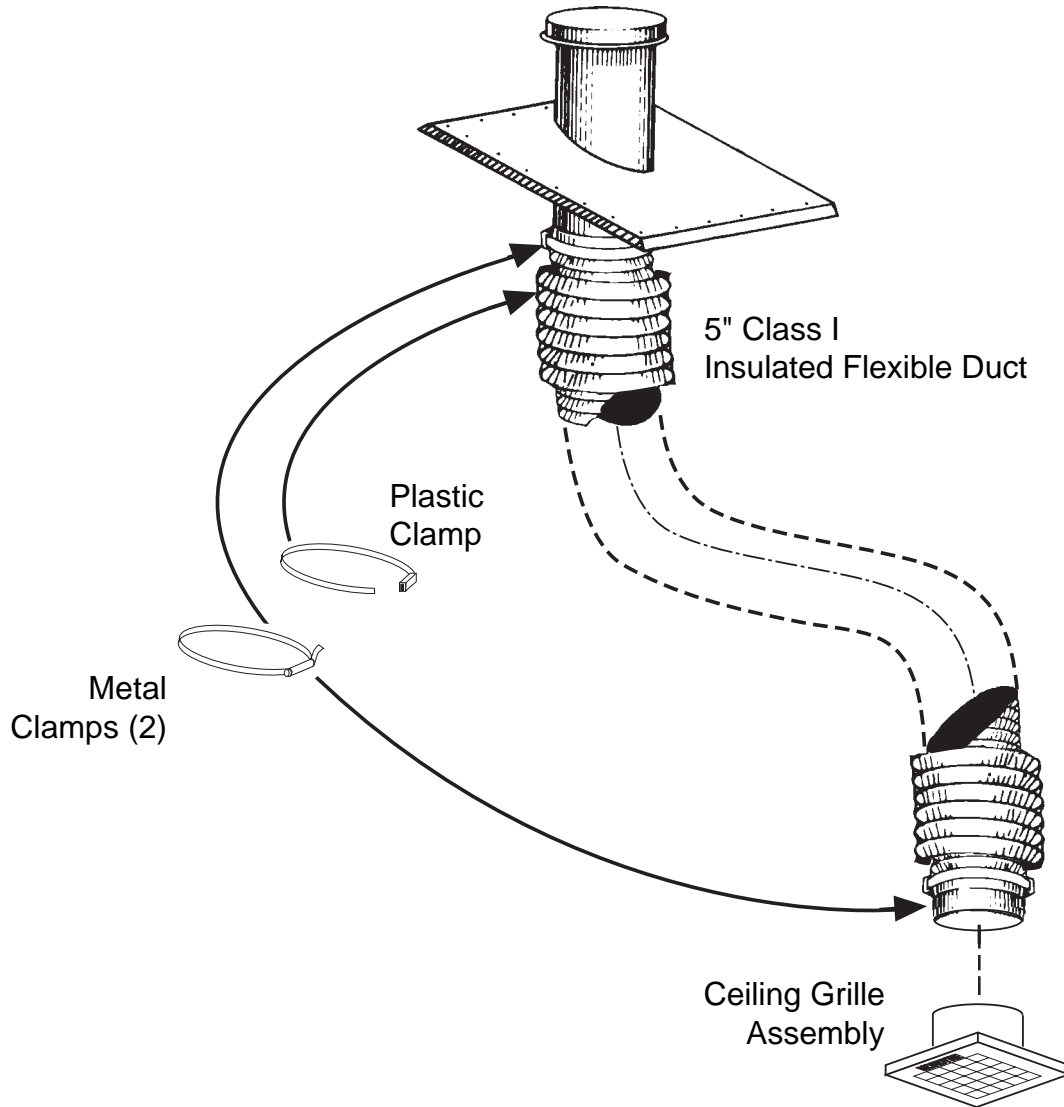


# VentilAire™ Roof Depressurization Vent System

## Installation Instructions

914117 – Through-the-Roof Vent Kit



### Components Included in Each Kit

Kits conform to H.U.D. manufactured home construction and safety standard paragraphs 3280.103 (b)(2) and 3280.504 (b)(ii) for ventilation.

These instructions are primarily intended to assist qualified individuals experienced in the proper installation of heating and/or air conditioning appliances. Some local codes require licensed installation/service personnel for this type of equipment. All installations must be in accordance with these instructions and with all applicable national and local codes and standards.

Before beginning the installation, read these instructions thoroughly and follow all warnings and cautions in the instructions and on the unit.

## DESCRIPTION

The NORDYNE roof depressurization vent system is designed to be used in conjunction with a NORDYNE VentilAire fresh air intake system in order to comply with the fresh air requirements outlined in the HUD standard, paragraph 3280.

The vent system releases stale air from inside the home in order to balance the fresh air supply. It contains a highly sensitive valve which permits the expulsion of inside air without pressuring the home (HUD requirement). In addition, the vent system does not permit back-drafts. The slightest breeze causes it to close, preventing cold or hot air from entering the home through the vent.

## LOCATION

The depressurization grille should be located on the ceiling anywhere in the home as long as free air flow to the vent is unrestricted. A utility room is a good location. Locating the vent at least eight (8) feet from the furnace is recommended for best operation.

Determine the location of the roof opening. The roof cap assembly should be located as closely as possible to the ceiling grille, to allow connection using the length of flexible duct provided.

## INSTALLATION

### **WARNING:**

**DISCONNECT MAIN POWER SUPPLY BEFORE DRILLING THROUGH THE CEILING. ELECTRICAL WIRING MAY BE PRESENT.**

1. Drill a pilot hole through the ceiling while being careful to avoid studs or other obstructions. Next, cut a 5<sup>1</sup>/<sub>8</sub>" diameter hole in the ceiling.
2. Insert the ceiling grille into the hole and secure it with the screws provided.
3. Cut a 7<sup>1</sup>/<sub>2</sub>" diameter opening in the roof at the selected location.

4. Route the flexible duct through the attic between the roof opening and the ceiling grille.
5. Attach one end of the flexible duct to the bottom flange of the roof cap assembly. Secure the inner duct with one of the *metal* clamps provided and the insulation duct with one of the *plastic* clamps provided.
6. Apply caulking or roof sealing material to the underside of the roof cap flashing to form a continuous strip about 1<sup>1</sup>/<sub>2</sub>" in width around the underside of the flashing perimeter.
7. Attach the roof cap assembly to the roof. Press down firmly over caulking on the flashing to ensure a waterproof seal. Secure flashing with appropriate fasteners. As added protection against leaks, coat the fasteners and flashing edges with a roofing compound.
8. Pull the flexible duct through the attic space to the ceiling grille stub while being careful not to kink the duct. Trim off any excess length of the duct to minimize restrictions.
9. Attach the inner duct to the ceiling grille stub with the other metal clamp provided. Pull insulation duct down over stub.

