

# Replacement Pressure Switch Kit, P/N 177633

Applies to Models EEDU and HEEDU Series Duct Furnaces Manufactured Prior to 2/00

## Description/Application

If a Model (H)EEDU duct furnace manufactured prior to 2/00 (Serial No. Date Code AZB) requires a replacement pressure switch, this kit is designed to provide the hardware and instructions needed to install a functional replacement switch. (**Application NOTE:** To verify that this replacement kit is required, check the type of pressure switch tubing on the heater. If the pressure switch has aluminum tubing, this kit is required. If the pressure switch has silicone tubing, a replacement switch, P/N 177634, only is required.)

Figure 1 - P/N 177633 Pressure Switch Kit

Code/Qty	P/N	Description
1	177634	Pressure Switch, PPS10174-3040
2	177293	Red Silicone Tubing, 8-1/4" long
3	177139	BX Cable Mounting Bracket
4	96430	1/4" Insulated Wire Terminal
5	43926	2-to-1 Terminal Connector, MMFA
6	177140	Installation Instructions, Form RZ CP45



**WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. Read the installation, operation, and maintenance instructions thoroughly before installing or servicing this equipment.**

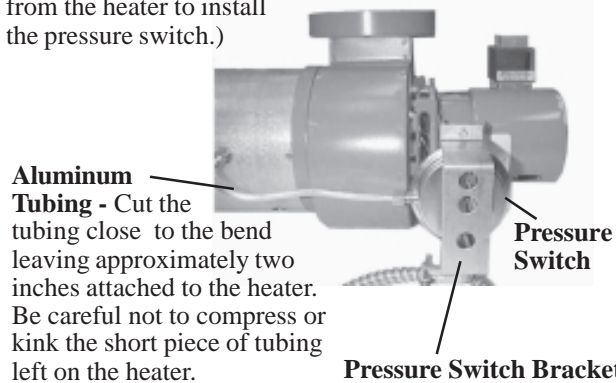
**DANGER: This replacement pressure kit is to be installed by a qualified service agency in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. Failure to follow instructions could result in death, serious injury, and/or property damage. The qualified agency performing this work assumes responsibility for this installation.**

## Installation Instructions

**Tools Required:** Straight screwdriver, tubing cutter, wire stripper and crimper, and tin snips

1. Turn off gas and electrical supply to the heater.
2. On the venter assembly on the top rear of the heater locate the pressure switch.

**Figure 2 - Venter Assembly showing factory-installed Pressure Switch** (NOTE: The heater is not shown in these illustrations; *do not remove* the venter assembly from the heater to install the pressure switch.)



**Aluminum Tubing -** Cut the tubing close to the bend leaving approximately two inches attached to the heater. Be careful not to compress or kink the short piece of tubing left on the heater.

**Pressure Switch Bracket**  
(The original bracket extends over the front of the switch holding both the top and bottom of the pressure switch and the cable connector. The new bracket holds the bottom of the pressure switch and the cable connector; the top of the new switch mounts directly to the plate.)

### 3. Remove the Pressure Switch and Tubing

- a) Remove the two screws holding the pressure switch bracket and switch -- one at the top and one at the bottom. Save the screws.
- b) Disconnect the three wires from the switch, and being careful not to shorten the wires any more than required, cut only the terminal off the end of each wire. Strip the end of each wire about 1/4". Using a tubing cutter, cut the aluminum tubing leaving approximately two inches attached to the heater (See Figure 2). Discard the switch.
- c) Loosen the cable connector from the bracket. To remove the bracket, use tin snips to cut a slot similar to the one in the new bracket. Remove and discard the pressure switch bracket.



Figure 3 - Remove the Pressure Switch Bracket

- Loosen the cable connector
- Cut a slot in the pressure switch bracket
- Slide the wires through the slot
- Discard the bracket

### 4. Install the Replacement Pressure Switch

- a) Attach the insulated terminals to the wires. Push the terminal on the wire and attach with a crimping tool. Position the cable bracket so that the flange with the small mounting hole will be toward the pressure switch. Slide the wires through the slot and fasten the cable connector to the bracket.

Figure 4 - Attach the Insulated Terminals and the BX Cable Bracket

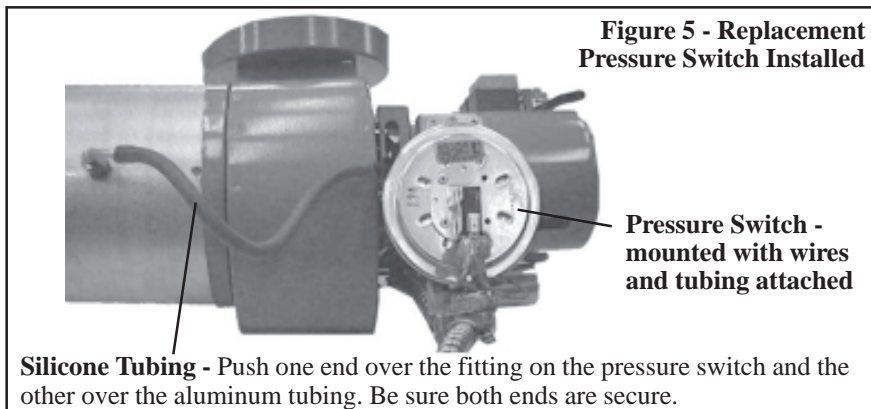


(3) 1/4" Insulated Terminals, P/N 96430

- Push the insulated terminal on the stripped wire
- Use a wire crimper tool (like the one illustrated on the left) to attach a terminal to each of the three wires

## Installation Instructions (cont'd)

- b) On the top of the new pressure switch there are two prong-type terminals. To facilitate wiring, a 2-to-1 connector must be attached to the top terminal. Slide the single end of the 2-to-1 connector on to the top terminal (labeled common) on the pressure switch. Slightly bend one of the two prong-type terminals on the connector up so that an insulated terminal will fit on each connection. Connect the wires to the switch -- attach the black wire to the single prong on the bottom and the two orange wires to the terminals on the 2-to-1 connector on the top. Be sure the connector and terminals are pushed on securely.
- c) Position the switch and the cable mounting bracket over the bottom mounting hole. Attach both with one of the screws that held the original switch and bracket. Insert the other screw attaching the pressure switch only at the top mounting hole.
- d) Push the tubing on to the barbed fitting on the pressure switch; push the other end over the aluminum tubing. Be sure both ends are secure.



5. Turn on electric and gas supply to the heater.
6. Check the heater for safety; ensure that it is operating according to the procedures on the lighting instruction plate.

---

### FOR YOUR SAFETY

---

#### If you smell gas:

1. Open windows.
2. Don't touch electrical switches.
3. Extinguish any open flame.
4. Immediately call your gas supplier.

---

**The use and storage of gasoline or other flammable vapors and liquids in open containers in the vicinity of this appliance is hazardous.**

---

**DANGER: The gas burner in Reznor gas-fired equipment is designed and equipped to provide safe and economically controlled complete combustion. However, if the installation does not permit the burner to receive the proper supply of combustion air, complete combustion may not occur. The result is incomplete combustion which produces carbon monoxide, a poisonous gas that can cause death. Safe operation of indirect-fired gas burning equipment requires a properly operating vent system which vents all flue products to the outside atmosphere. FAILURE TO PROVIDE PROPER VENTING WILL RESULT IN A HEALTH HAZARD WHICH COULD CAUSE SERIOUS PERSONAL INJURY OR DEATH.**

**Always comply with the combustion air requirements in the installation codes and instructions. Combustion air at the burner should be regulated only by manufacturer-provided equipment. NEVER RESTRICT OR OTHERWISE ALTER THE SUPPLY OF COMBUSTION AIR TO ANY HEATER. Indoor units installed in a confined space must be supplied with air for combustion as required by Code and in the heater installation manual. MAINTAIN THE VENT SYSTEM IN STRUCTURALLY SOUND AND PROPERLY OPERATING CONDITION.**

---