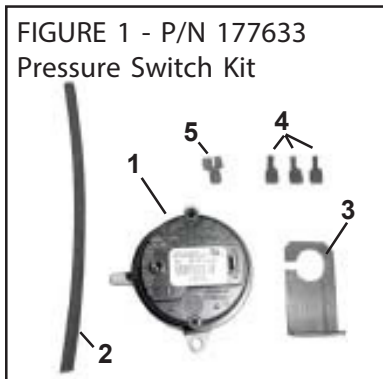


Replacement Pressure Switch Kit, P/N 177633

Applies to Models EEDU and HEEDU Series Duct Furnaces Manufactured Prior to 9/03

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.

Components



Components of Kit P/N 177633				
Code	Qty	P/N	Description	
1	1	205821	Pressure Switch, IS20232-5272	
2	1	177293	Red Silicone Tubing, 8-1/4" long	
3	1	177139	BX Cable Mounting Bracket	
4	3	93911	1/4" Insulated Wire Terminal	
5	1	43926	2-to-1 Terminal Connector, MMFA	
6	1	177140	Installation Instructions, Form RZ CP-EEDU-PSK	

Description/Application

If a Model (H)EEDU duct furnace manufactured prior to 9/03 (Serial No. Date Code BCI) requires a replacement pressure switch, this kit is designed to provide the hardware and instructions needed to install a functional replacement switch. Some components may not be used depending on when the heater was manufactured.

(Application NOTE: To verify that this replacement kit is required, check the type of switch on the heater. If the pressure switch is metal, this kit is required. If the pressure switch is black plastic, a replacement switch, P/N 205821, only is required.)

Installation Instructions

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

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.
3. Remove the Pressure Switch

Units with a Metal Pressure Switch AND Aluminum Tubing (See FIGURE 2 .)

- a) Disconnect the three wires from the switch. Remove the two screws holding the pressure switch bracket and switch -- one at the top and one at the bottom. Using a tubing cutter, cut the aluminum tubing leaving approximately two inches (51mm) attached to the heater. Discard the switch, tubing, and bracket. Save the screws.

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

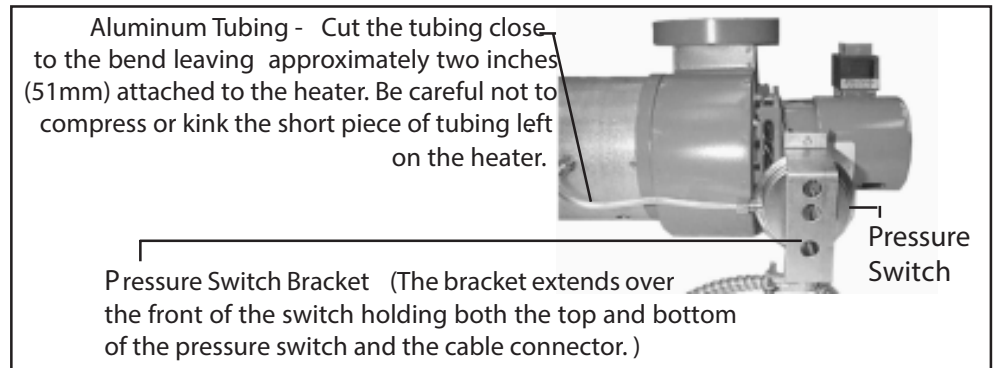
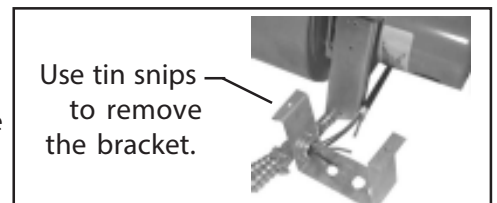


FIGURE 3 - Remove the Pressure Switch Bracket

- b) 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 and the bracket.



Installation Instructions (cont'd)

3. Remove the Pressure Switch (cont'd)

Units with a Metal Pressure Switch AND Silicone Tubing

Disconnect the silicone tubing and the wires from the pressure switch. Remove and discard the pressure switch. Save the screws.

4. Attach Insulated Terminals - All heaters

Holding the three wires (one black and two orange) removed from the switch, cut the terminal off the end of each wire. Do not shorten wires any more than required; cut off only the terminal. Strip the end of each wire about 1/4". Using a wire crimper tool, attach the three insulated terminals in the kit to the wires.

5. Install the Replacement Pressure Switch

a) Units with a Metal Pressure Switch AND Aluminum Tubing - Position the new 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. Position the switch and cable mounting bracket over the bottom mounting hole. Attach both with one of the screws that held the original switch. Insert the other screw attaching the pressure switch at the top mounting hole.

Units with a Metal Pressure Switch AND Silicone Tubing - Position the new switch using the top mounting hole. At the hole in the bottom of the switch, mark and drill a 1/8" hole in the plate. Re-using the screws that held the removed switch, attach the new switch.

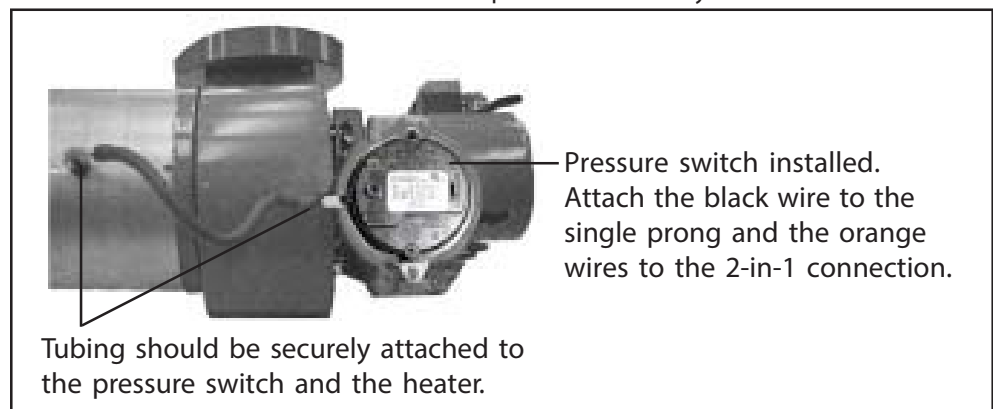
b) Units with a Metal Pressure Switch AND Aluminum Tubing - Push the tubing over the fitting on the pressure switch. Push the other end over the aluminum tubing. Be sure both ends are secure.

Units with a Metal Pressure Switch AND Silicone Tubing - Push the tubing over the fitting on the pressure switch. Tubing should already be attached to the heater. Be sure both ends are secure.

c) All heaters - On the new pressure switch there are two prong-type terminals. The 2-to-1 connector from the kit must be attached to the terminal labeled "C 1". Slide the single end of the 2-to-1 connector onto that terminal on the pressure switch. Connect the wires to the switch. Attach the black wire to the single prong and the two orange wires to the terminals on the 2-to-1 connector. Slightly bend one of the two prong-type terminals on the connector up so that an insulated terminal will fit on each connection.

Be sure the connector and terminals are pushed on securely.

FIGURE 5 - Replacement Pressure Switch Installed (wires not illustrated)



6. Installation is complete; heater should have a new plastic pressure switch with silicone tubing.

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

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Form CP-EEDU-SK (12-14), P/N 177140R1

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