

PRESSURE SWITCH REPLACEMENT KIT INSTALLATION

MODELS ADF, ADFH, RDF, DV, DFAH, DFAV, SC, SCA, SCB, SCE, SSCBL, RP, RPV, RPB, RPBL, AND PGBL

- Refer to the installation manual provided with the unit for important safety information.
- When a replacement combustion air pressure switch is ordered for one of these models, the wiring terminals on the replacement pressure switch may be different from those on the switch being removed. To meet an ANSI/CSA requirement, the terminals were changed on products manufactured **after** AUG 1999. To ensure that the correct replacement parts are supplied, replacement wire terminals are being provided with the replacement pressure switches.
- These kits are not for model RP and RPV units manufactured **before** 1991. Order PN 93033 for these units.
- These instructions are for the Reznor® models equipped with the obsolete pressure switches listed in [Table 1](#).

Table 1. Pressure Switch Replacement Kit Application

Model	Kit PN	Obsolete Pressure Switch	
		Manufacturer's Model No.	PN
ADF, ADFH, RDF, DV	193806	PPS10175-3043 or FS4197-166*	86986
	193807	PPS10175-3041 or FS4197-164*	86987
RDF, DV	193808	PPS10175-3044 or FS4197-171*	87249
	193809	PPS10175-3042 or FS4197-165*	87250
(H)SC, SCA, SCB, SCE, SSCBL, (H/HC/C)RP, RPB, RPBL, (H/HC/C)RPV at elevation of 0–4000 feet	193810	FS4100-48-71	68266
		FS6788-1621	125133
(H)SC, SCA, SCB, SCE, SSCBL, (H/HC/C)RP, RPB, RPBL, (H/HC/C)RPV at elevation of >4000 feet	193811	FS4100-1186	113234
		FS6788-1622	125134
(H)SC, (H)RP(B) unit sizes 250–400, SSCBL	193812	FS6788-3006	175862
(H)SC, (H)RP(B) unit sizes 100–225	193813	FS6788-3007	175863

*These manufacturer's model numbers changed, but the PN remained the same. The pressure switch could be identified by either number.

COMPONENTS

Ensure that all components listed in [Table 2](#) are available before beginning installation.

Table 2. Pressure Switch Replacement Kit Components

Component	Description	Kit PN*							
		193806	193807	193808	193809	193810	193811	193812	193813
Component PN (Quantity)									
Switch	Pressure	207178 (1)	207176 (1)	207179 (1)	207177 (1)	204327 (1)	204328 (1)	204326 (1)	204325 (1)
Tubing	Silicone, 11-inch-long, red	—				133117 (1)			
Terminal	Quick-connect, 1/4	142860 (2)							
	Quick-connect, 3/16	122082 (1)							

*Refer to [Table 1](#) for applicability.

DO NOT DESTROY. PLEASE READ CAREFULLY. KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

INSTALLATION

⚠ DANGER ⚠

- **This replacement pressure switch kit is to be installed by a qualified 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.**
- **Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read these instructions thoroughly before installing or servicing this equipment.**

Install the pressure switch kit as follows:

1. Turn OFF gas and electric power and remove access panel(s) as necessary.
2. Remove existing pressure switch:
 - a. Mark and disconnect pressure switch wiring: common (C), normally-open (NO), and normally-closed (NC).
 - b. Disconnect pressure switch tubing. If there are two connections, mark tubing: positive (+) and negative (-).
 - c. Remove screws that secure pressure switch and remove and discard switch. Save screws.
3. Install replacement pressure switch:
 - a. Position switch using same top hole and mark and drill 1/8-inch bottom hole.
 - b. Secure switch using screws removed in step 2c.
 - c. If original bottom hole is visible, plug with screw or heat-resistant tape.
4. Connect pressure switch wiring:

NOTE: Wiring the pressure switch depends on whether or not the terminals on the replacement switch are different from the switch removed.

- a. If terminals on replacement pressure switch are same size as on replaced switch, connect wires as marked in step 2a and proceed to step 5.
- b. If terminals on replacement pressure switch are not same size as on replaced switch, replace terminals and connect wiring as follows:

NOTE: Select terminals carefully—size difference is only 1/16 inch.

- (1) For terminal C wire, cut wire directly behind terminal, strip end of wire approximately 1/4 inch, and crimp on replacement 1/4-inch quick-connect terminal. Connect wire to terminal C on switch.
 - (2) For terminal NC wire, cut wire directly behind terminal, strip end of wire approximately 1/4 inch, and crimp on replacement 3/16-inch quick-connect terminal. Connect wire to terminal NC on switch.
 - (3) For terminal NO wire, cut wire directly behind terminal, strip end of wire approximately 1/4 inch, and crimp on replacement 1/4-inch quick-connect terminal. Connect wire to terminal NO on switch.
5. Connect pressure switch tubing:
 - a. If unit has both positive and negative tubing, connect tubing marked positive (+) to positive (+) tubing connection and tubing marked negative (-) to negative (-) tubing connection.
 - b. If unit has one tubing connection, connect tubing to tubing connection on switch.
 - c. If unit has aluminum tubing, cut and remove tubing and replace with red silicone tubing to connect sensing tube to pressure switch.
 - d. Ensure that tubing is secure.
 6. Replace any removed access panel(s) and turn ON electric power and gas.
 7. Cycle unit and check for proper operation.

