

Replacement Pressure Switch Kits

Applies to Reznor® Model Series ADF, ADFH, RDF, DV, DFAH, DFAV, SC, SCA, SCB, SCE, SSCBL, *RP, *RPV, *RPB, *RPBL, and PGBL

**Description/
Application**

When a replacement combustion air pressure switch is ordered for one of the models listed above, the wiring terminals on the replacement pressure switch may be different from the switch being removed. To meet an ANSI/CSA requirement, the terminals were changed on products manufactured beginning September 1999. To assure that the correct replacement parts are supplied, replacement wire terminals are being provided with the replacement pressure switches.

Pressure Switch Replacement Kit Application by Reznor® Model

Kit P/N	Applies to Reznor Model Series listed below and equipped with the Obsolete Pressure Switch listed on the Right	with Obsolete Pressure Switch	
		Reznor® P/N	Manufacturer's No.
193806	ADF(H); RDF; DV; DFA(H,V) manufactured prior to 1/2003	86986	**PPS10175-3043 or FS4197-166
193807	ADF(H); RDF; DV; DFA(H,V) manufactured prior to 1/2003	86987	**PPS10175-3041 or FS4197-164
193808	RDF; DV; DFA(H,V) with Options AR19, 20, 22, 23, 33, 34, 36, 37 manufactured prior to 1/2003	87249	**PPS10175-3044 or FS4197-171
193809	RDF; DV; DFA(H,V) with Options AR19, 20, 22, 23, 33, 34, 36, 37 manufactured prior to 1/2003	87250	**PPS10175-3042 or FS4197-165
193810	(H)SC; SC(A, B, E); SSCBL; *(H/HC/C)RP(B, BL); *(H/HC/C)RPV; PGBL from sea level to 4000 ft elevation with any gas control option except AG39	125133	FS6788-1621
193811	(H)SC; SC(A, B, E); SSCBL; *(H/HC/C)RP(B, BL); *(H/HC/C)RPV; PGBL above 4000 ft elevation with any gas control option except AG39 or AG40	125134	FS6788-1622
193812	(H)SC; (H)RP(B) Sizes 250-400 and SSCBL; RPBL Size 400 with Option AG 39 or AG40	175862	FS6788-3006
193813	(H)SC; (H)RP(B) Sizes 100-225 with Option AG39 or AG40	175863	FS6788-3007

*NOTE: This kit is not for RP and RPV series units manufactured prior to 1991; order Kit P/N 93033.

**The Manufacturer's No. identifying these pressure switches changed; the Reznor P/N remained the same. The pressure switch being removed could be identified by either of these manufacturer's numbers.

Pressure Switch Replacement Kit Components:

Kit P/N (listed above)	193806	193807	193808	193809	193810	193811	193812	193813
Components:								
Pressure Switch (1 per kit)	207178	207176	207179	207177	204327	204328	204326	204325
Red Silicone Tubing, 11" long	--	--	--	--	(1) 133117			
Quick Connect Terminals	(2) 142860, size 1/4"							
	(1) 122082, size 3/16"							

DANGER

This replacement pressure switch 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.

**Installation
Instructions**

WARNING

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

1. Turn off the gas and electric to the unit.
2. Locate the pressure switch on the unit.

3. Remove the Pressure Switch

Mark the wires [common (C); normally open (NO); normally closed (NC)]. If there are two tubing connections, mark the tubing [positive (+); negative (-)]. Disconnect the wires and the tubing from the pressure switch. Remove and discard the pressure switch; save the screws.

Installation Instructions (cont'd)

4. Attach the Replacement Switch

Using the same top hole, position the new switch. Mark the bottom hole and drill a 1/8" hole. Using the screws saved in **Step 3**, attach the replacement pressure switch. If the original bottom hole is visible, insert a screw or cover the hole with heat resistant tape.

5. Wire the Replacement Switch

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

- **If the three wiring terminals on the replacement switch are the same sizes as on the pressure switch that was removed**, attach the wires to the terminals on the new switch as marked in **Step 3** and continue to **Step 6**. (**NOTE:** The wire terminals in the replacement kit will not be used. If you prefer to use the new terminals, follow the wiring instructions below.)
- **If the three wire terminals on the replacement switch are not the same sizes as on the pressure switch that was removed**, follow the wiring instructions below to attach the new terminals and connect the wires to the new pressure switch.

Wiring Instructions - Select terminal carefully, as size difference is only 1/16".

Wire Marked for Terminal "C"

Remove the terminal from the wire by cutting the wire directly behind the terminal. Strip the end of the wire approximately 1/4". Crimp the new 1/4" terminal on the stripped wire. Attach it to Terminal "C" on the new switch.

Wire Marked for Terminal "NC"

Remove the terminal from the wire by cutting the wire directly behind the terminal. Strip the end of the wire approximately 1/4". Crimp the new 3/16" terminal on the stripped wire. Attach it to Terminal "NC" on the switch.

Wire Marked for Terminal "NO"

Remove the terminal from the wire by cutting the wire directly behind the terminal. Strip the end of the wire approximately 1/4". Crimp the new 1/4" terminal on the stripped wire. Attach it to Terminal "NO" on the switch.

6. Attach the Tubing to the New Pressure Switch

On a unit with a pressure switch with both positive and negative tubing, connect the tubing marked positive (+) to the positive (+) tubing connection and the tubing marked (-) to the negative (-) tubing connection.

On a unit with one tubing connection, connect the tubing to the connection on the switch. If the unit has aluminum tubing, cut and remove the tubing. Use the silicone tubing in the kit to connect the sensing tube to the pressure switch.

Re-check the tubing connections to be sure the tubing is attached securely.

7. Replace any panels that were removed from the unit.
8. Restore the power and turn on the gas.
9. Verify normal operation of the unit.