

9200 HEATER AND FAN ASSEMBLY KITS

DoorKing Part Numbers

1601-195 Kit

115 VAC Model
6.6 Amp

1601-197 Kit

208/230 VAC Models
3.3 Amp

1601-198 Kit

460 VAC Models
3.3 Amp

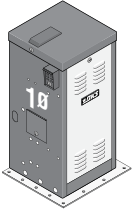
These kits are designed for the 9200 model gate operators. For cold weather climates where temperatures routinely drop below 40°F (4°C). A built-in thermostat will automatically control the temperature inside operator housing.

High Voltage AC Input Power for the 9200 Gate Operator with a Heater

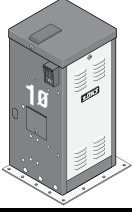

DO NOT use the “high voltage wire size and distance limitations” table in the Installation/Owner’s manuals to determine the high voltage AC input power wire size and distance limitations for the gate operator because of a **much greater** current draw when using the heater. Use the tables below to determine the wire size and distances for your chosen gate operator when a heater is installed. **EACH** operator should have a “**Dedicated**” circuit breaker at the power source.

If the high voltage AC input power wiring is greater than the maximum distance shown, it is recommended that a service feeder be installed. When large gauge wire is used, a separate junction box must be installed for the operator connection. Wire run distances are based on NEC guidelines for copper wire allowing a maximum 3% voltage drop on the line. The calculated distance was then further reduced by 10% to allow for other losses in the system. **Never** run low voltage rated wire insulation in the same conduit as high voltage rated wire insulation. Keep them in separate conduits.

High voltage AC input wire size and distance limitations for a 9210 - 115 VAC with a heater.

Phase (Ø)	Model	Horsepower	Volts	Operator and Heater Amps	Wire Size / Max Distance in Feet				Heater Kit P/N
					12 AWG	10 AWG	8 AWG	6 AWG	
	9210	1 HP	115 VAC	16.3	65	105	180	275	1601-195
Note: EACH operator should have a “Dedicated 20 Amp” minimum circuit breaker at the power source.									

High voltage AC input wire size and distance limitations for a 9200 - 208/230/460 VAC with a heater.

Phase (Ø)	Model	Horsepower	Volts	Operator and Heater Amps	Wire Size / Max Distance in Feet				Heater Kit P/N
					12 AWG	10 AWG	8 AWG	6 AWG	
	9210	1 HP	208 VAC	8.4	240	385	640	965	1601-197
	9210	1 HP	230 VAC	8.3	270	430	715	1080	1601-197
	9220	2 HP	208 VAC	14.9	135	215	360	540	1601-197
	9220	2 HP	230 VAC	15.1	145	235	395	590	1601-197
	9210	1 HP	208 VAC	6.7	300	480	805	1210	1601-197
	9210	1 HP	230 VAC	6.8	325	525	875	1315	1601-197
	9210	1 HP	460 VAC	5	420	670	1100	1500	1601-198
	9220	2 HP	208 VAC	10.0	200	320	540	810	1601-197
	9220	2 HP	230 VAC	9.6	230	370	620	930	1601-197
	9220	2 HP	460 VAC	6.6	340	545	905	1360	1601-198
	9230/9240	3 HP	208 VAC	13.2	150	245	405	610	1601-197
	9230/9240	3 HP	230 VAC	13.0	170	275	455	690	1601-197
	9235	3 HP	208 VAC	16.2	125	195	330	500	1601-197
9235	3 HP	230 VAC	16.0	140	220	370	560	1601-197	

In bi-parting (dual) gate applications, high voltage AC input power is required for EACH 9200 operator with heater.



120 Glasgow Avenue
Inglewood, California 90301 U.S.A.

Installation of Heater

DoorKing Part Numbers

1601-195 Kit
115 VAC Model
6.6 Amp

1601-197 Kit
208/230 VAC Models
3.3 Amp

1601-198 Kit
460 VAC Models
3.3 Amp

Each Kit Includes: Heater with 2 securing bolts / mounting plate with 2 bolts and nuts.

Shut off the AC input power to the operator from the circuit breaker.

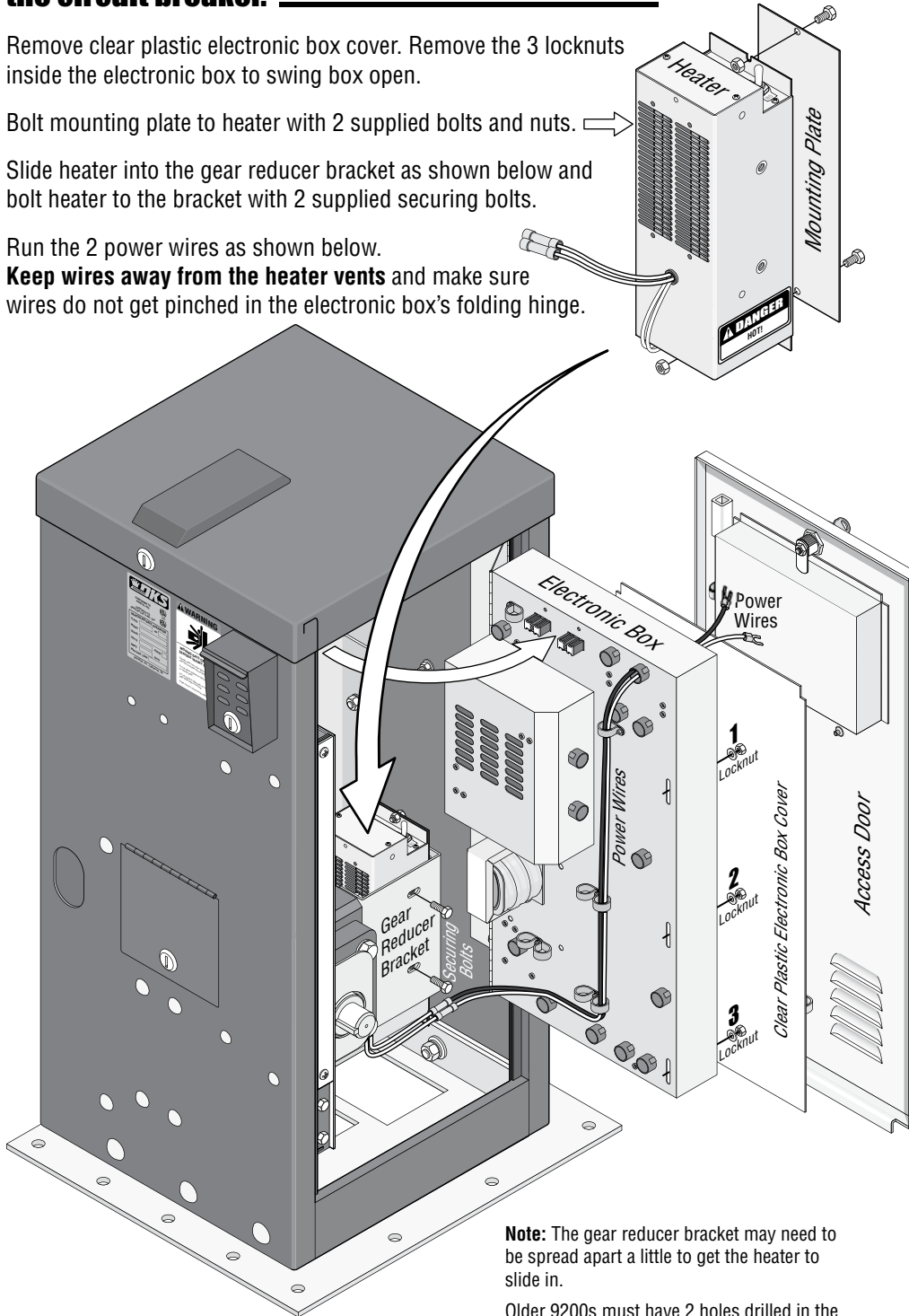
Remove clear plastic electronic box cover. Remove the 3 locknuts inside the electronic box to swing box open.

Bolt mounting plate to heater with 2 supplied bolts and nuts.

Slide heater into the gear reducer bracket as shown below and bolt heater to the bracket with 2 supplied securing bolts.

Run the 2 power wires as shown below.

Keep wires away from the heater vents and make sure wires do not get pinched in the electronic box's folding hinge.

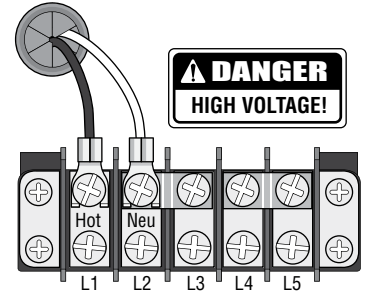


Note: The gear reducer bracket may need to be spread apart a little to get the heater to slide in.

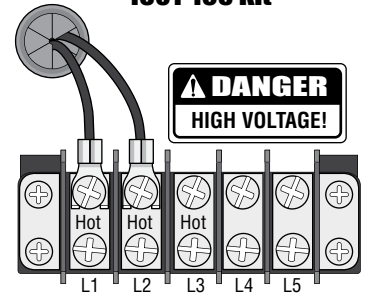
Older 9200s must have 2 holes drilled in the gear reducer bracket for the securing bolts.

Power Connection

Connect the 2 heater power wires according to operator AC power type.



115 VAC
1601-195 Kit



208/230/460 VAC
1-Phase and 3-Phase
1601-197 Kit (208/230 VAC)
1601-198 Kit (460 VAC)

Heater Switch



OFF - Turns the heater/fan off.

ON - Normal setting. Automatically turns the heater and fan **ON** when the temperature drops below 40°F (4°C) inside the operator, and turns the heater and fan **OFF** when the temperature rises above 55°F (13°C) inside the operator.