

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

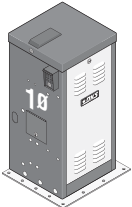
These kits are designed for the 9200 model gate operators. For cold weather climates where temperatures routinely drop below 40°F (4°C). A built-in thermostat will automatically control the temperature inside operator housing.

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

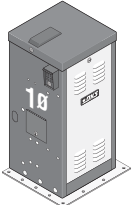
DO NOT use the “high voltage wire size and distance requirements” table in the Installation/Owner’s manuals to determine the high voltage AC input power wire size and distance requirements for the gate operator because of a **much greater** current draw when using the heater. Use the tables below to 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.

High voltage AC input wire size and distance requirements for a 9200 - 115 VAC with a 6.6 Amp heater. P/N 1601-195

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

High voltage AC input wire size and distance requirements for a 9200 - 208/230 VAC with a 3.3 Amp heater. P/N 1601-197

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

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


DOORKING®, INC.
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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

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.

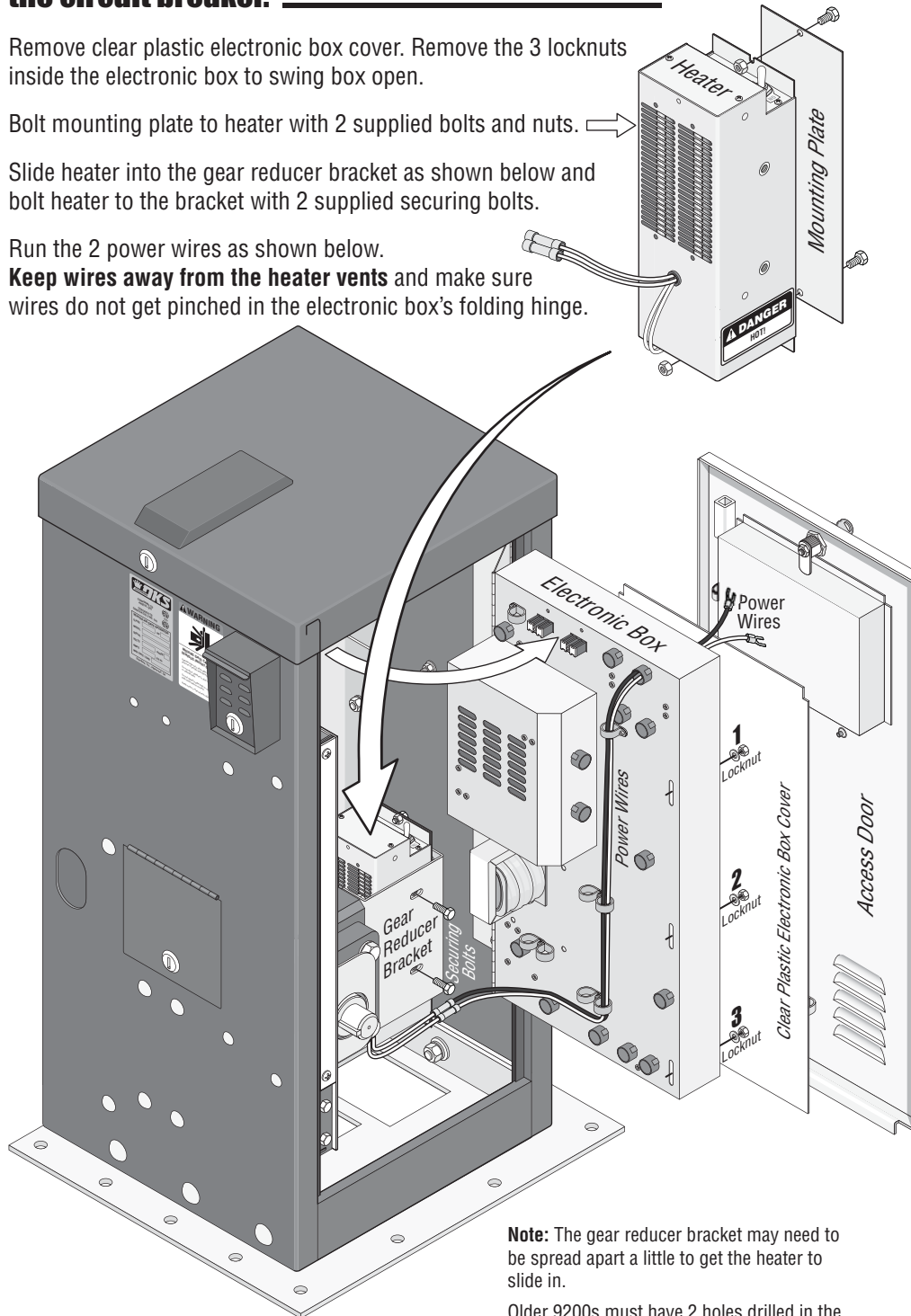
Remove clear plastic electronic box cover. Remove the 3 locknuts inside the electronic box to swing box open.

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.

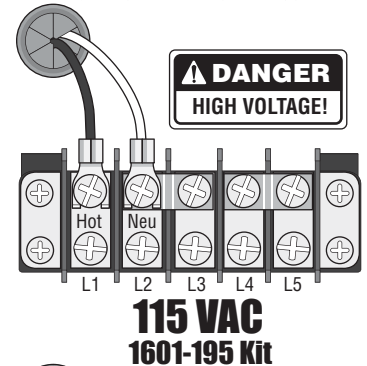


Note: The gear reducer bracket may need to be spread apart a little to get the heater to slide in.

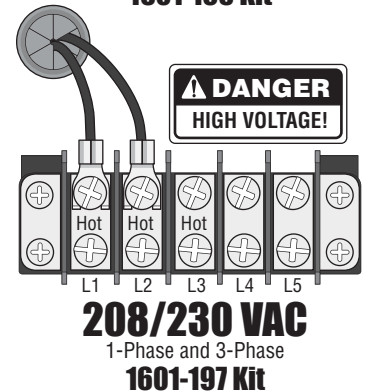
Older 9200s must have 2 holes drilled in the gear reducer bracket for the securing bolts.

Power Connection

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



115 VAC
1601-195 Kit



208/230 VAC
1-Phase and 3-Phase
1601-197 Kit

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.