

6500 115 VAC - 3.3 AMP HEATER AND FAN ASSEMBLY KIT

DoorKing Part Number

6500-480


This kit is designed for all 6500 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 6500 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 table below to determine the wire size and distances for your chosen gate operator when a heater is installed. The primary 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 6500 with a heater.

Model	Horsepower	Volts	Operator and Heater Amps	Wire Size / Distance in Feet			
				12 AWG	10 AWG	8 AWG	6 AWG
	1/2 HP	115	8.7	110	180	300	450
		208/230	4.4	440	705	1175	1760
		460	2.2	1760	2820	4705	7055
	1 HP	115	13.0	70	120	200	300
		208/230	6.5	295	475	795	1190
		460	3.3	1175	1880	3136	4705

Wire run distances are shown for ONE gate operator with heater. In bi-parting (dual) gate applications, reduce the distance by one-half.

Installation of Heater

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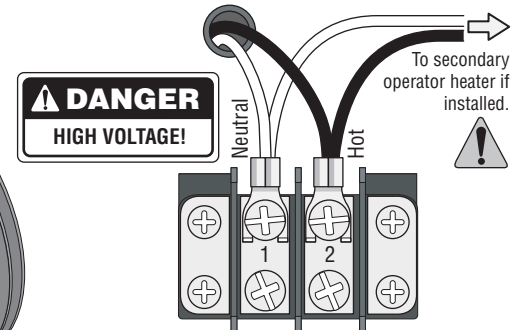
Kit Includes: Heater and Fan Assembly, mounting plate and mounting bracket, 3 bolts - lockwashers - nuts, 2 heater locknuts.

Shut off ALL power to operator

Turn off the DC convenience open power switch on certain operator models **first** then shut off the AC input power to the operator from the circuit breaker.

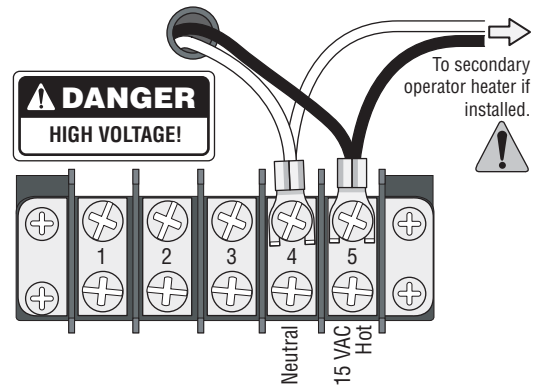
Power Connection

Connect the heater power wires to primary/single 6500 according to operator AC power type.



115 VAC Models

Note for Bi-Parting Dual Gate Operators: Run two (AWG 16-600 volt insulation) power wires from the **primary** operator power terminal through the interconnection cable conduit to power the secondary operator's heater. **Do Not** wire secondary heater directly to the secondary operator's terminal or damage will occur.



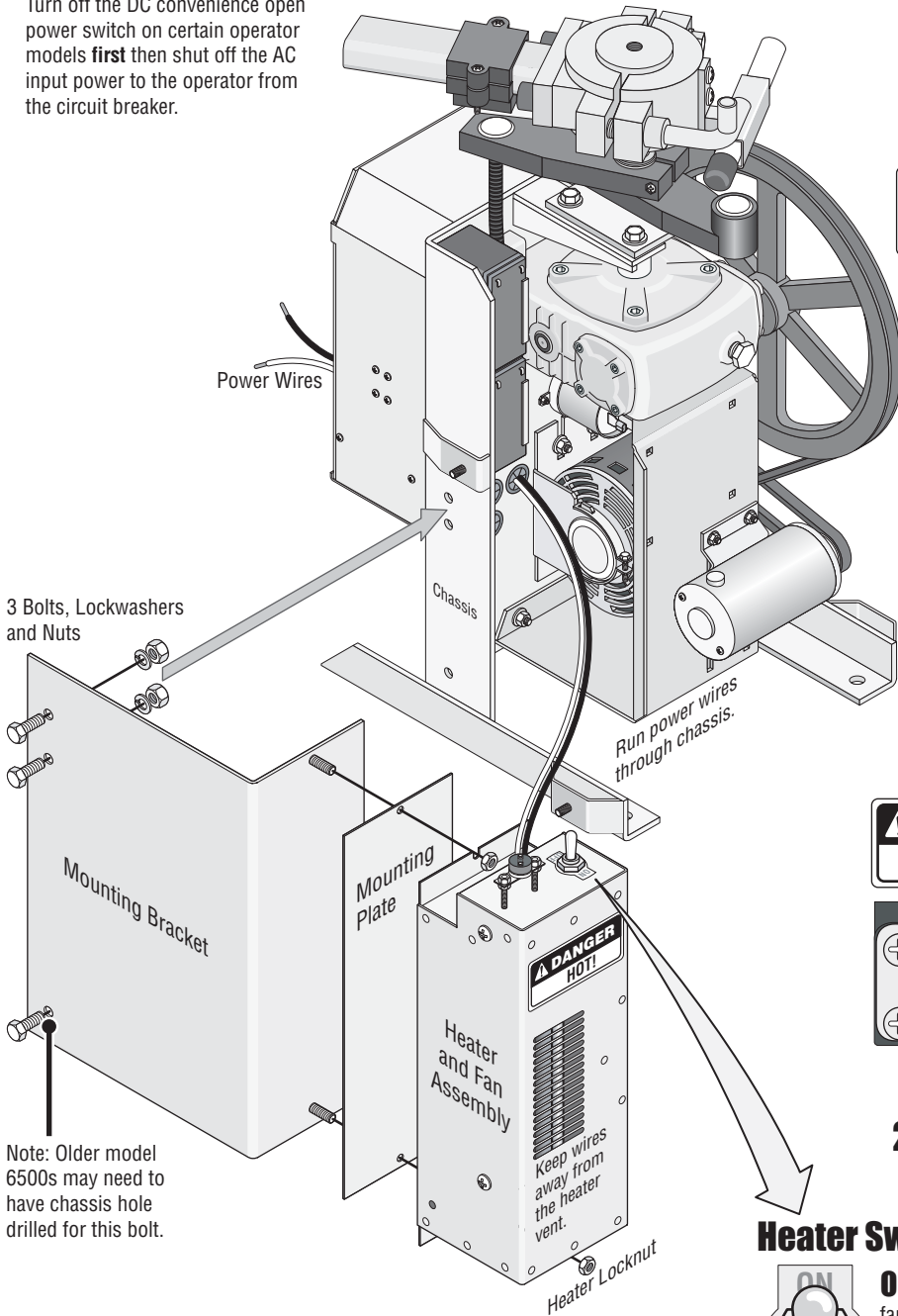
208/230/460 VAC Models

Heater Switch



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.

OFF - Turns the heater and fan off.



Note: Older model 6500s may need to have chassis hole drilled for this bolt.

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