HEATER WITH FAN ASSEMBLY KIT

DoorKing Part Numbers
1601-154, 9210-154
Transformer

This kit is designed for models 6050, 6100, 6300, 9000s, 9100s, 9200s, and 9530 model gate operators. For climates where temperatures routinely drop below 40°F (4°C). An automatic thermostat will control temperature inside operator housing.
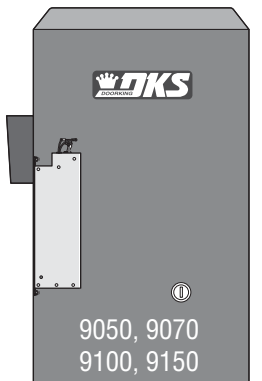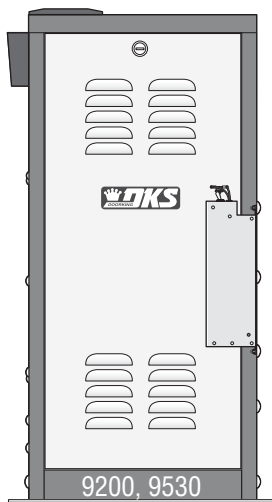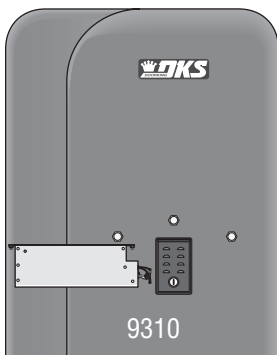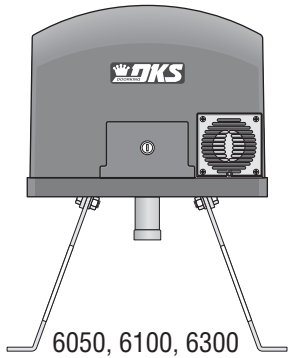
Kits Include: Kit #1601-154: Heater with mounting plate. Kit #9210-154: Replacement transformer, 4 carriage bolts and nuts, heater with mounting plate.

Installation

1 Shut off AC power to operator.
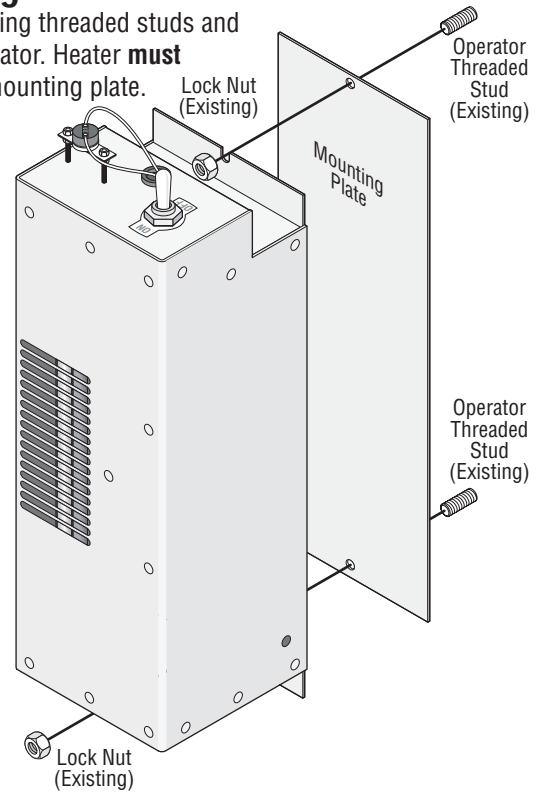Turn off DC power switch on certain models.

2 Heater Location
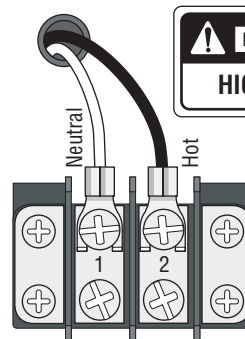
Determine heater's mounting location.

6050, 6100, 6300

9310

9050, 9070
9100, 9150

9200, 9530

3 Mounting Heater

Locate existing threaded studs and nuts in operator. Heater **must** mount on mounting plate.

⚠ DANGER
HOT!

Operator Threaded Stud (Existing)

Mounting Plate

Lock Nut (Existing)

Operator Threaded Stud (Existing)

Lock Nut (Existing)

4 Power Connection

Connect the heater power wires according to operator model type.

⚠ DANGER
HIGH VOLTAGE!

Neutral   Hot

115 VAC Models

Neutral   115 VAC Hot
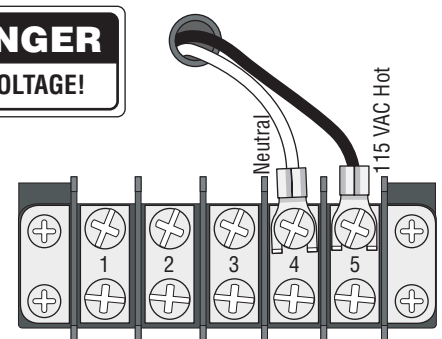
208/230/460 VAC Models

⚠ Note: Models 9200s and 9530 with 208/230/460 VAC must have their step-down transformer replaced for the heater to function. See back page.

5 Heater Switch

ON

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.

OFF - Turns the heater off.

DKS ™
DOORKING®, INC.

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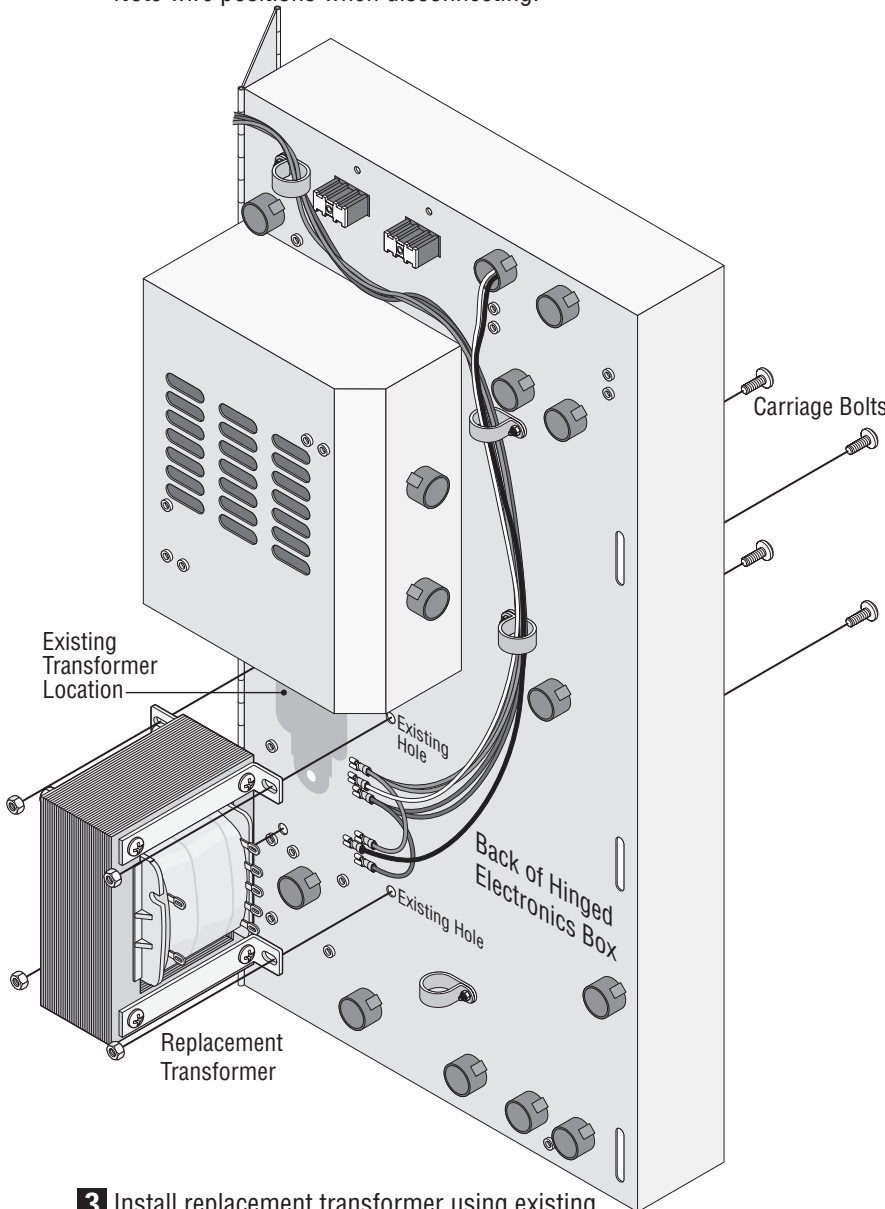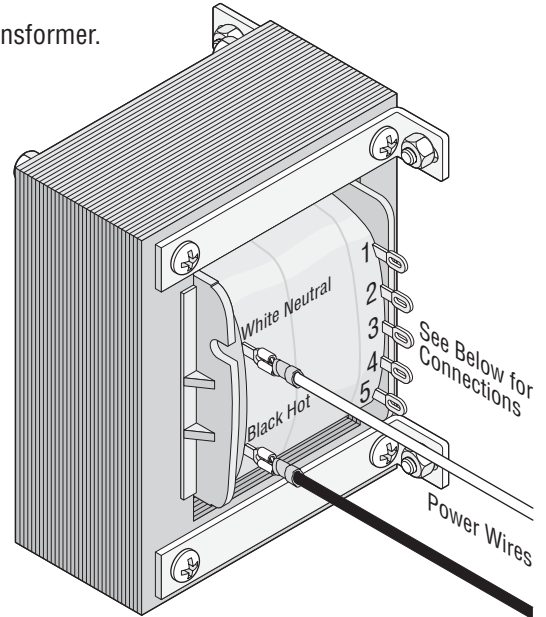Transformer

Replacement of Step-Down Transformer

Models 9200s and 9530 with 208/230/460 VAC will require replacement of existing step-down transformer with a new transformer to handle the extra power draw of the heater (Kit #9210-154). This will fit in the same area and wire the same as the existing transformer.

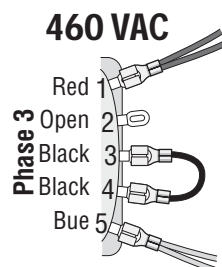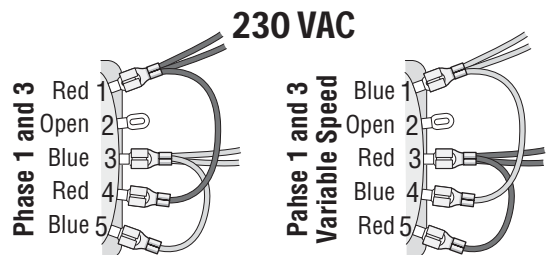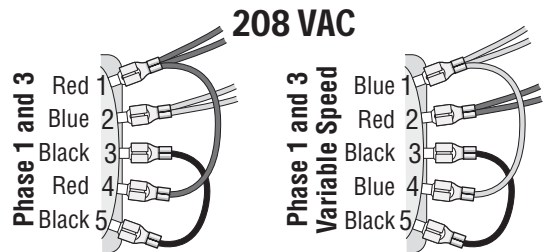**DO NOT** install the heater in these operators without installing the replacement transformer.

1 Shut off AC power to operator.
Turn off DC power switch on certain models.

⚠ **DANGER**
HIGH VOLTAGE!

2 Remove existing transformer from back of hinged electronics box. Note wire positions when disconnecting.

White Neutral

Black Hot

1
2
3
4
5

See Below for Connections

Power Wires

Carriage Bolts

Existing Transformer Location

Existing Hole

Existing Hole

Back of Hinged Electronics Box

Replacement Transformer

4 Reconnect wires to replacement transformer in the same positions as the old transformer.

208 VAC

Phase 1 and 3
Red 1
Blue 2
Black 3
Red 4
Black 5

Phase 1 and 3 Variable Speed
Blue 1
Red 2
Black 3
Blue 4
Black 5

230 VAC

Phase 1 and 3
Red 1
Open 2
Blue 3
Red 4
Blue 5

Pahse 1 and 3 Variable Speed
Blue 1
Open 2
Red 3
Blue 4
Red 5

460 VAC

Phase 3
Red 1
Open 2
Black 3
Black 4
Bue 5

3 Install replacement transformer using existing holes in electronics box with supplied carriage bolts. Note: Circuit and loop boards must be removed for carriage bolt installation.

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