

# Installation Instructions

## ESA Heater Kit DK3200-001

Fig. 1.1 ESA Heater kit DK3200-001

- 1 ESA heater bracket DC0139
- 2 5/16-18 square nut, zinc DF0422-012
- 3 5/16-18 x 5/8" HHCS DF0433-002
- 4 Heater element DX3200-001
- 5 Heater thermostat DX3201-001

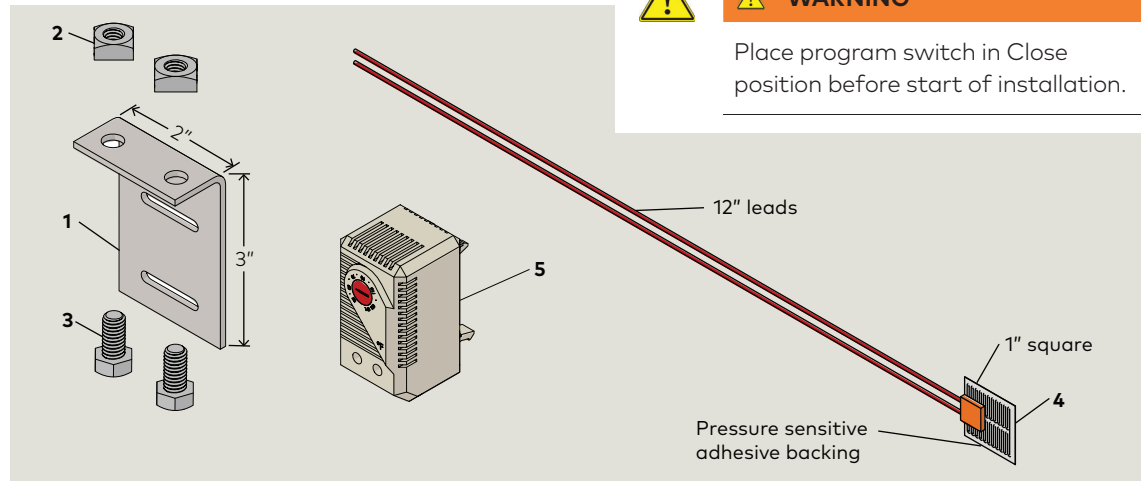


Fig. 1.2 ESA Header assembly with heater kit installed

- 1 ESA heater bracket DC0139
- 4 ESA heater element DX3200-001
- 5 ESA heater thermostat DX3201-001
- 6 Motor gearbox assembly

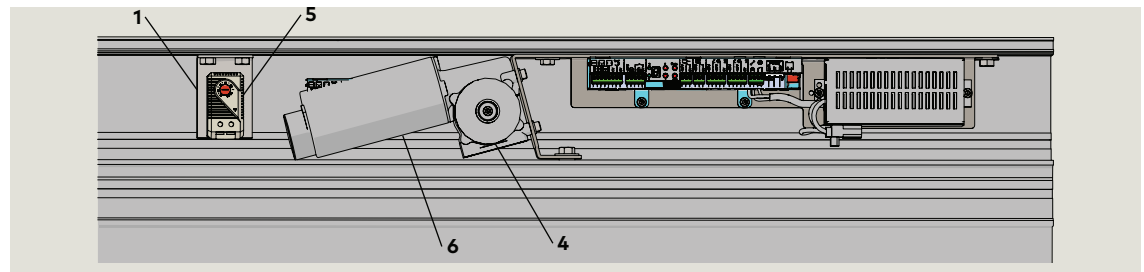
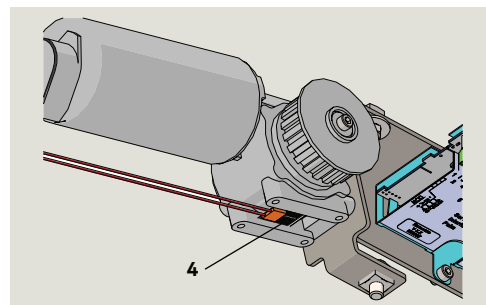


Fig. 1.3 Heater element installation

- 4 ESA heater element DX3200-001



### 1.1 Install heater element.

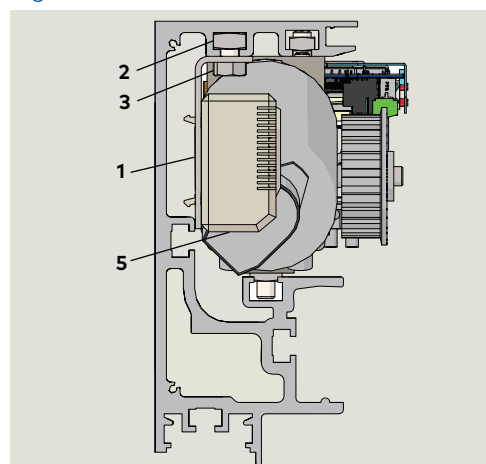
1. Install heater element on underside of gearbox.
  - Heater element has pressure sensitive adhesive backing.

### CAUTION

- Clean surface of gearbox before placing heater element on gearbox surface.
- Insure entire heater element is in contact with gearbox surface with no air pockets trapped underneath.
- Insure heater element wiring is clear of belt and pulley.

Fig. 1.4 Thermostat installation

- 1 ESA heater bracket DC0139
- 2 5/16-18 square nut, zinc DF0422-012
- 3 5/16-18 x 5/8" HHCS DF0433-002
- 5 ESA heater thermostat DX3201-001



### 1.2 Install thermostat.

1. Insert two 5/16" square nuts into header T-slot.
2. Mount thermostat to heater bracket.
  - Snap thermostat lugs into slots in heater bracket.
3. Fasten heater bracket to header T-slot using 5/16 x 5/8" hex head cap screws and 5/16" square nuts. Do not tighten HHCSs.
  - Position thermostat assembly in close proximity to gearbox (Fig. 1.2).
4. Tighten hex head cap screws.

### 1.3 Heater element wiring.

1. Connect 18 AWG stranded wire between thermostat and ESA II controller 0V terminal.
2. Connect one heater element wire to ESA II controller 24 V terminal.
3. Connect other heater element wire to thermostat.

#### CAUTION

Use caution when stripping Teflon insulation from heater wires.

### 1.4 Thermostat temperature setting.

#### CAUTION

**Set at minimum.**  
Set thermostat to the minimum setting of 32° F [0° C].



#### TIPS AND RECOMMENDATIONS

Thermostat N.C. contact opens on rise.

- 4 ESA heater element DX3200-001
- 5 ESA heater thermostat DX3201-001
- 7 ESA II controller

Fig. 1.5 Heater wiring diagram

