Installation Instructions
ESA Heater Kit DK3200-001

Fig. 1.1 ESA Heater kit DK3200-001

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. 1.2 ESA Header assembly with heater kit installed

Fig. 1.3 Heater element installation

Fig. 1.4 Thermostat installation

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].

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<td>Thermostat N.C. contact opens on rise.</td>
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Fig. 1.5 Heater wiring diagram

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