

A discharge pressure fault requires a resetting of the manual pressure switch. In some cases (models 551, 661, 1101, and 1102) the reset switch is internal to the switch unit as shown in *Figure 7-2*.

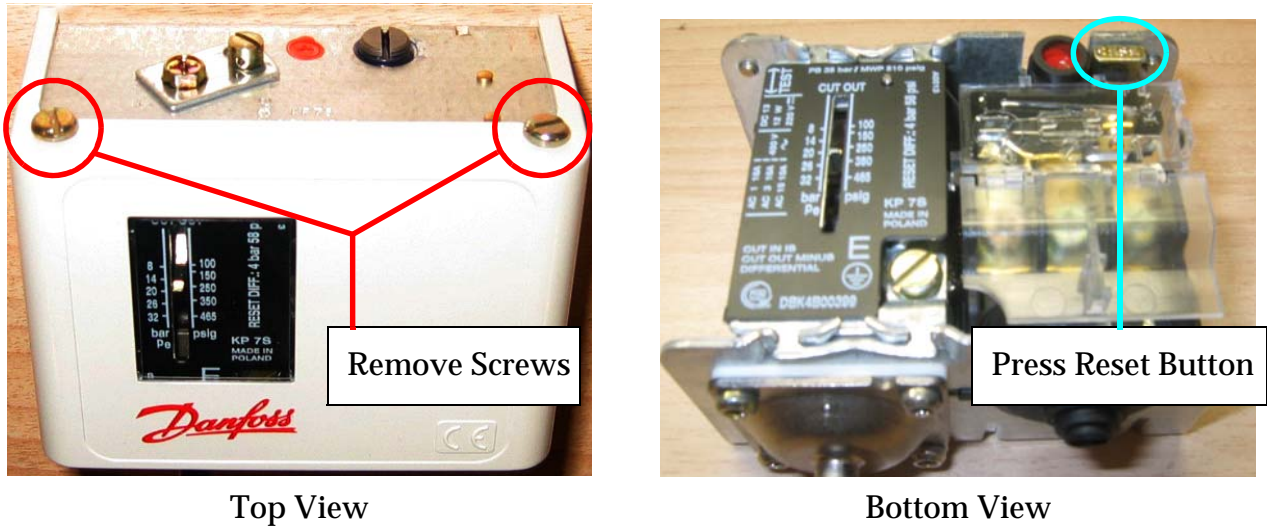


Figure 7-2: Pressure Switch

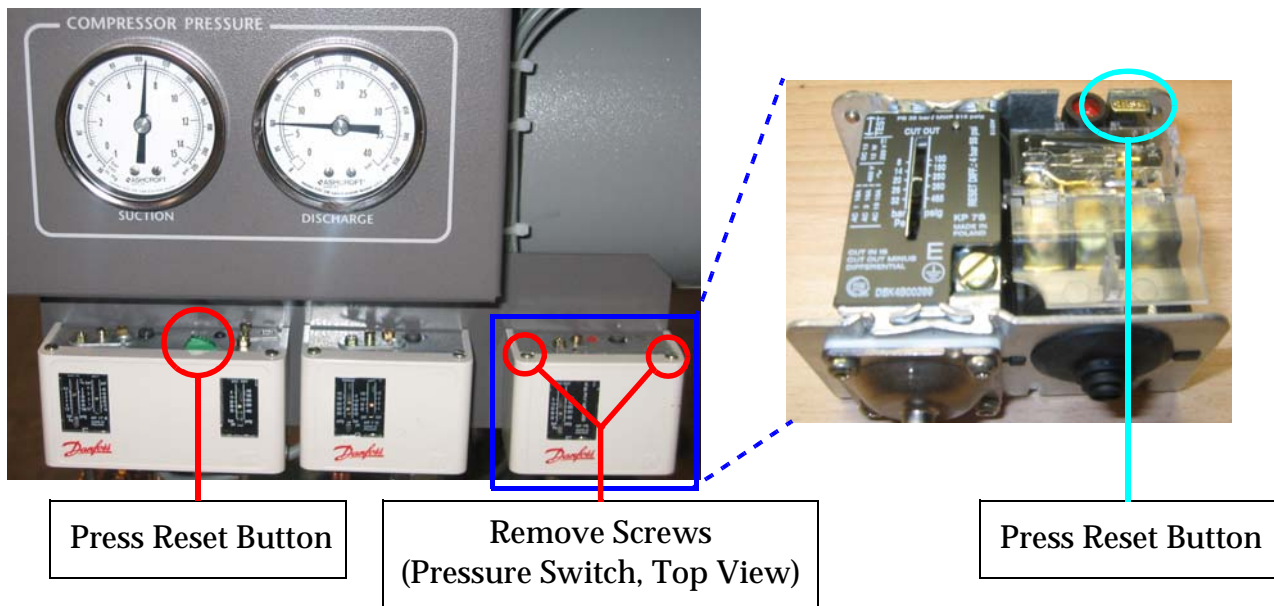
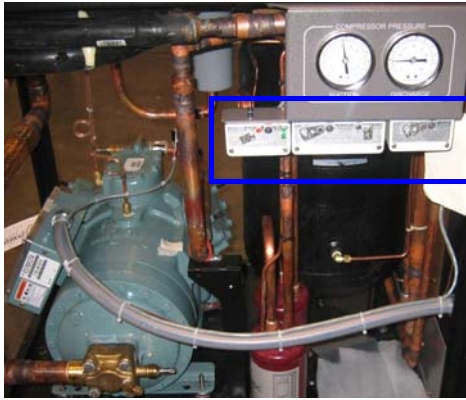
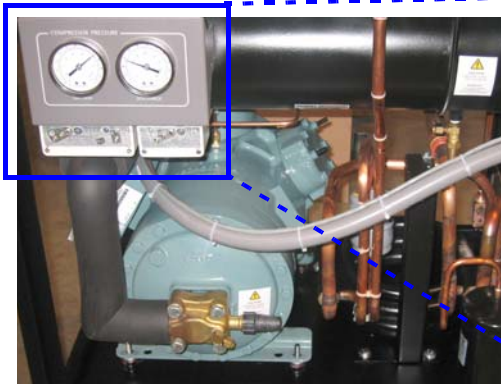


Figure 7-3: 1102



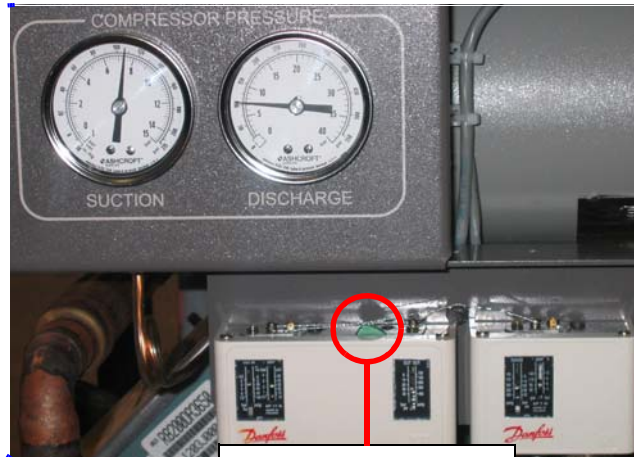
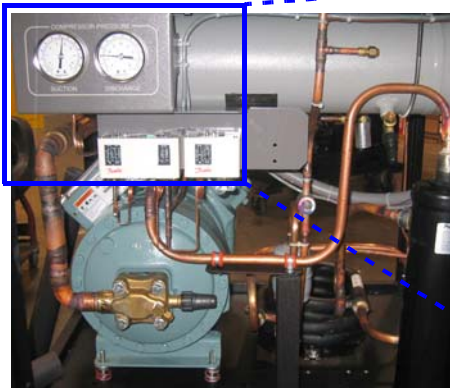
Press Reset Button

Figure 7-4: 1100



Press Reset Button

Figure 7-5: 660 and 670



Press Reset Button

Figure 7-6: 552, 662, and 672

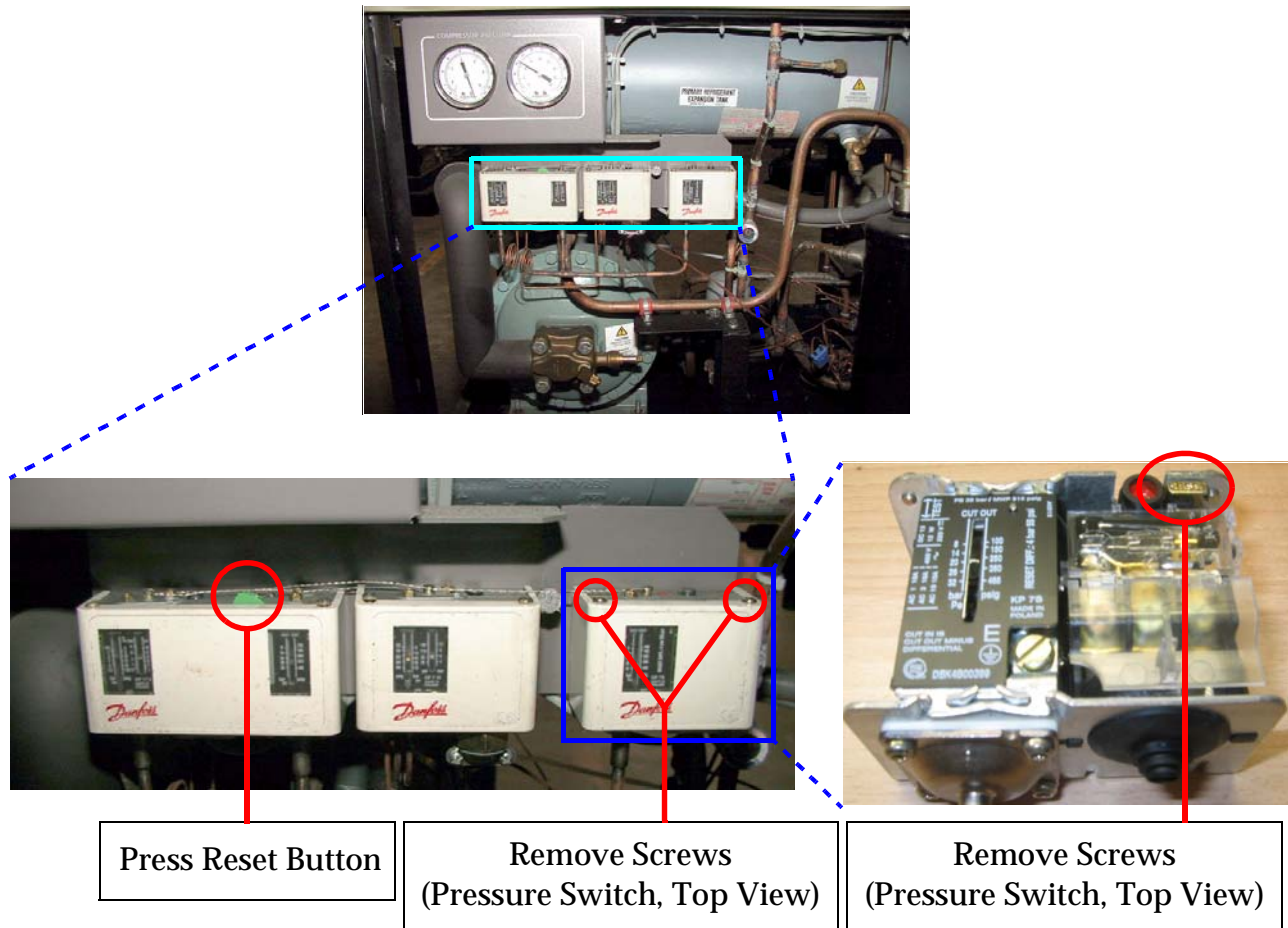


Figure 7-7: 551 and 661

### 7.3.3 High Discharge Temperature Lamp Is Lighted

#### Before starting

This lamp is controlled by two thermostat switches located on the compressor's DISCHARGE LINE. One is set at 275°F (135°C) and the other is set at 300°F (149°C).

- If the DISCHARGE LINE exceeds 149°C, the second thermostat will immediately shut off the unit. This protects the compressor from overheating.
- If the DISCHARGE LINE exceeds 135°C, the first thermostat is activated which starts a timer. (The cryopump may need to operate above normal discharge temperatures for a short time—such as starting the unit after it has been off for 48 hours.) The thermostat switch will shut off the unit if it remains between 135°C and 149°C after 40 minutes. This protects the life of the compressor.