



How-To:

Replace the Lytron G03, H03, and J03 Kodiak Pump/Compressor Relay

Safety Precautions:

- Always turn the unit "OFF" and unplug it from its power supply

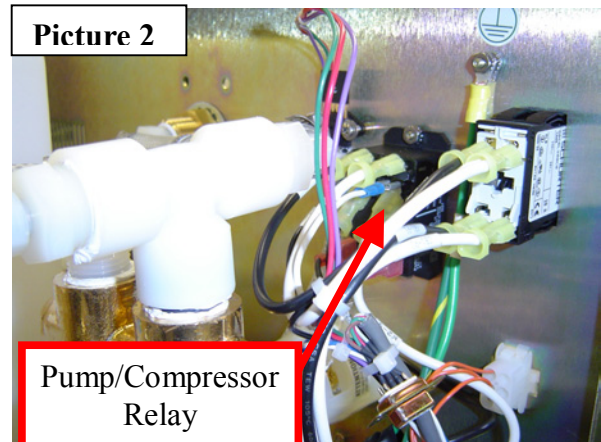
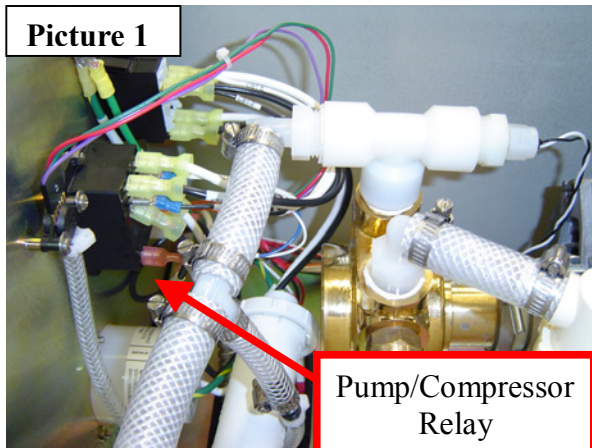
Required Tools:

- Philips screwdriver
- 5/16 socket wrench

Notes:

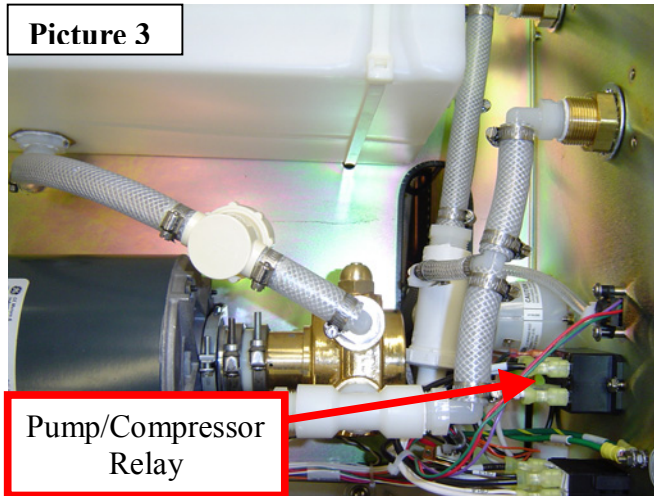
- Always check for loose wiring before replacing the pump/compressor relay.
- When the circuit breaker is turned on, the main power is distributed to relay terminals 6 (black) and 2 (white). Terminals 8 and 4 distribute power to the pump motor, and the compressor. The power to relay terminals 1 and 0 comes from the controller.
- The relay sometimes fails because of internal defects. Check the input voltage on the wires connected to contact 1 and 0 (see picture 4 on the next page). The voltage should be higher than 9V DC, and no more than 13.2V DC. If you see the voltage it is receiving is correct and the relay is still not closing, then you must replace the relay. If the wires from the control board are not outputting greater than 9VDC, the control board needs to be replaced.

Please follow the steps below to replace the Lytron 03 Kodiak pump/compressor relay. Pictures 1, 2 and 3 show the location of the relay from different angles.



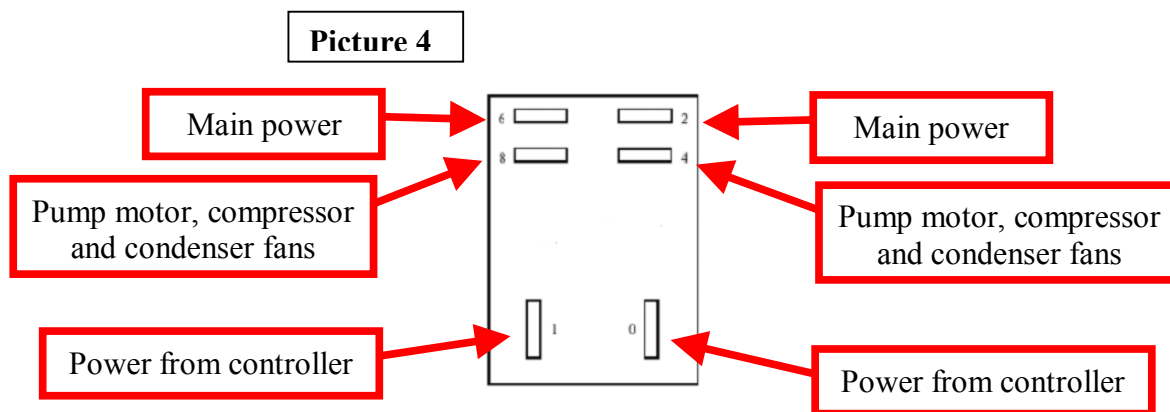
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Procedure:

1. Remove the top cover and the side panels of the chiller to access the internal components.
2. Remove all the leads connecting to the relay. Please make a note of the location of each one.
3. Remove the two nuts fastening the relay to the frame of the chiller.
4. Replace the relay.
5. Reconnect the leads. When the circuit breaker is turned on, the main power is distributed to relay terminals 6 (black) and 2 (white). Terminals 8 and 4 distribute power to the pump motor, and the condensing assembly. The power to relay terminals 1 and 0 comes from the controller. A representation of the relay is shown in picture 4.



6. Start the unit and check for proper operation.