# CONTACTOR REPLACEMENT

Jackson Warewashing Systems

## CONTACTOR REPLACEMENT KIT
## 06401-004-66-23

**CREW**

### TOOLS REQUIRED

- *Phillips Screwdriver*
- *Small Flathead Screwdriver*
- *Wire-crimping Tool*

**PARTS**

| ITEM | QTY | DESCRIPTION | PART NUMBER |
|---|---|---|---|
| 1 | 1 | Contactor, 3-pole, 120 VAC Coil | 05945-002-24-70 |
| 2 | 1 | Relay, 24 VDC Coil | 05945-003-76-34 |
| 3 | 12 | Quick-connect Terminal, 10-gauge | 05940-200-75-00 |
| 4 | 4 | Quick-connect Terminal, 1/4” | 05940-003-77-07 |
| 5 | 2 | Quick-connect Terminal, 1/4” | 05940-003-77-10 |

**WIRES**

| ITEM | LENGTH | COLOR | TERMINATION, FEMALE | TERMINATION, MALE | PART NUMBER |
|---|---|---|---|---|---|
| 6 | 40” | GRY/RED | Item #4 | Item #5 | 06145-011-46-41 |
| 7 | 40” | WHT | Item #4 | Stripped | 06145-104-39-00 |
| 8 | 40” | BLK | Item #4 | Stripped | 06145-104-38-00 |
| 9 | 40” | BLK/ORG | Stripped | Stripped | 06145-011-35-66 |
| 10 | 40” | BLU | Item #4 | Item #5 | 06145-104-35-00 |

*All wires are 18 AWG.*

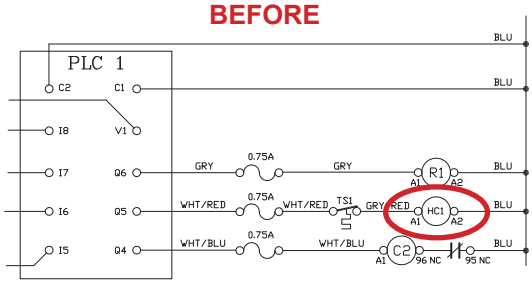
## PREPARATION

- Disconnect electrical power at the breaker or disconnect switch and lock-out/tag-out in accordance with procedures and codes.
- Ensure that incoming water to the machine is secured either by use of a shut-off valve or by disconnecting the incoming water line.
- Remove the front panel of the machine.

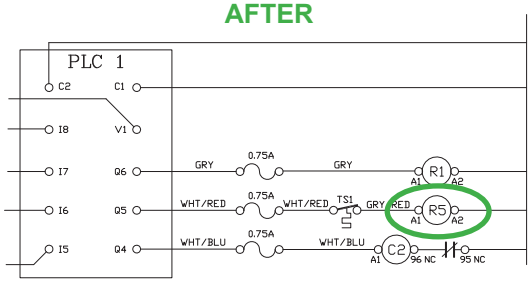
## SCHEMATIC

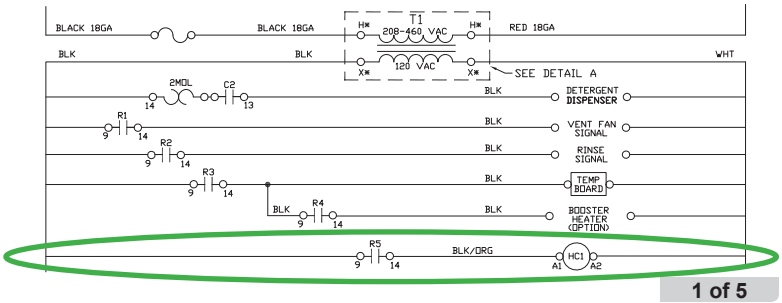
Regardless of machine model, the change to the schematic is the same:

**BEFORE**



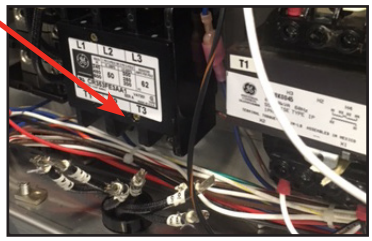

**AFTER**



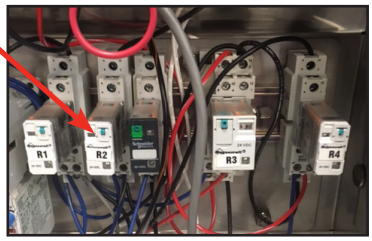



## REPLACING THE CONTACTOR

1. Remove contactor HC1.

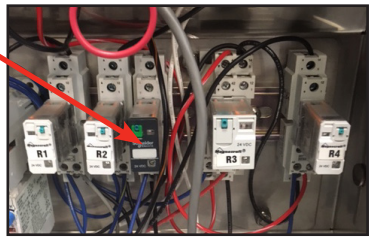


2. Push R1 and R2 to the left to make room for the new relay (R5).



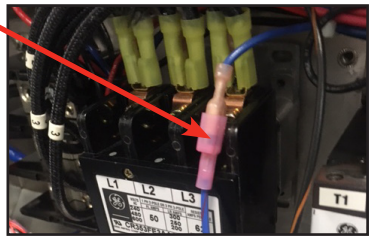
3. Install R5 on the din rail.

***The relay from the kit is used in this step.***

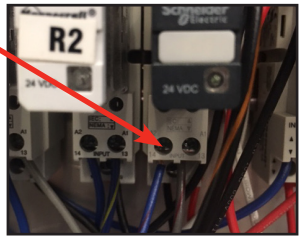


4. Connect BLU wire from the kit to BLU wire that was connected to HC1.

***The blue wire from the kit is used in this step.***

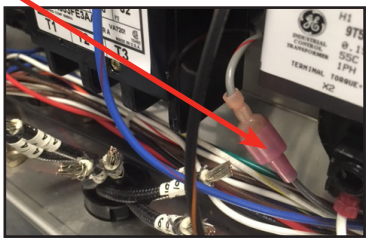


5. Route other end of BLU wire over to R5 and connect to R5/A2.



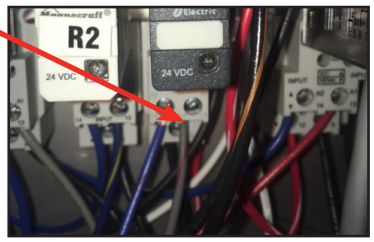

6. Connect GRY/RED wire from the kit to GRY/RED wire that was connected to HC1.

***The grey/red wire from the kit is used in this step.***



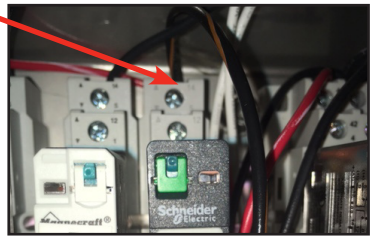
## REPLACING THE CONTACTOR

7. Route other end of GRY/RED wire over to R5 and connect to R5/A1.

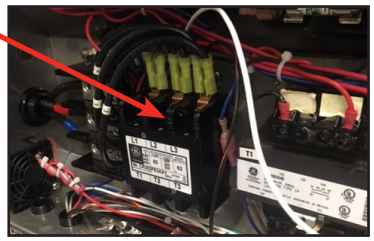



8. Connect one end of BLK/ORG wire from the kit to R5/14.

***The black/orange wire from the kit is used in this step.***

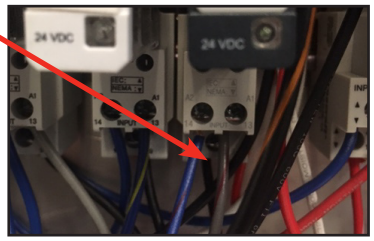



9. Route other end of BLK/ORG wire toward where HC1 was located.

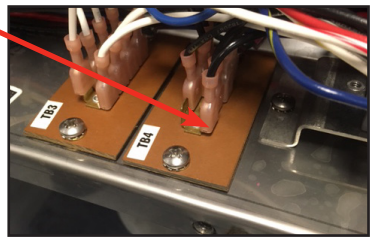


10. Connect one end of BLK wire from the kit to R5/9.

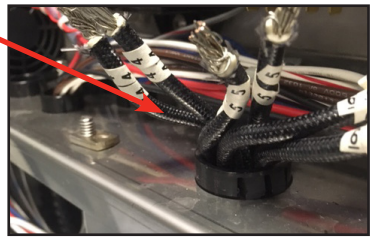
***The black wire from the kit is used in this step.***




11. Route other end of BLK wire to TB4 and connect to an available tab.

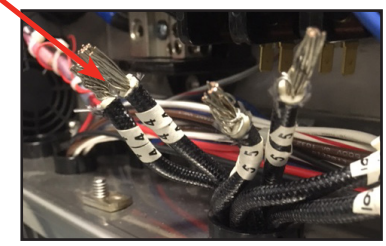



12. Locate wires that were connected to HC1.



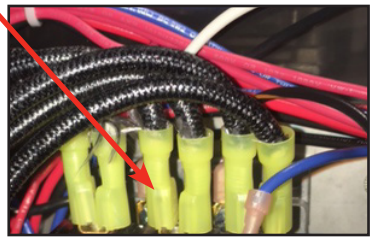
## REPLACING THE CONTACTOR

13. Trim or strip wires to 1/4”.

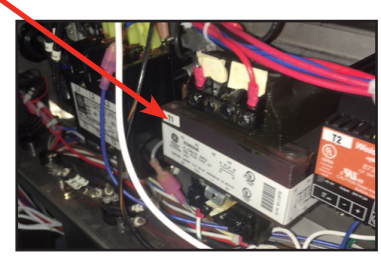


14. Insert wires fully into terminals from the kit and crimp with proper tool.

***The terminals from the kit are used in this step.***

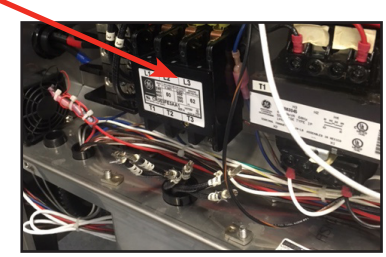


15. Connect T1, T2, and T3 wires before mounting new contactor HC1.

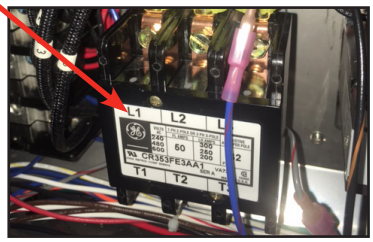


16. Mount new contactor HC1 in the same location as old contactor HC1.

***The contactor from the kit is used in this step.***

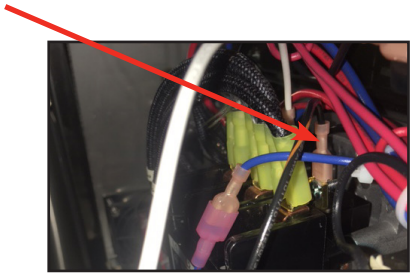


17. Connect L1, L2, and L3 wires.

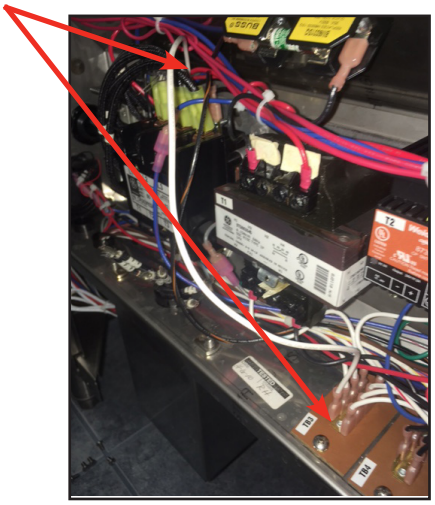


## REPLACING THE CONTACTOR

18. Connect BLK/ORG wire routed in Step 9 to HC1/A1.



19. Connect one end of WHT wire from the kit to HC1/A2 and the other end to an available tab on TB3.



***The white wire from the kit is used in this step.***

20. Replace the front panel.

21. Restore power and water to the machine.