

**ELECTRONIC THERMOSTAT RETROFIT KIT - 06401-005-09-48**



*WARNING! This kit should be installed only by qualified service personnel to reduce the risk of electric shock, serious injury, or fire. A plumbing permit and services of a licensed plumber and electrician might be required in some areas.*



*CAUTION! Failure to install this kit within the guidelines might adversely affect safety, performance, component life, and warranty coverage.*

**PREPARATION**

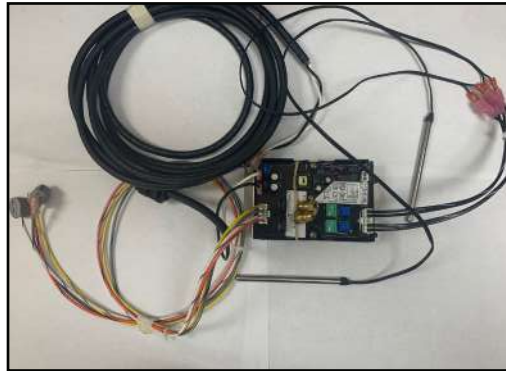


1. Drain machine completely.
2. Ensure incoming water is secured either by use of shut-off valve or by disconnecting incoming water line.
3. Disconnect electrical power at breaker or disconnect switch.
4. Lock-out/tag-out in accordance with procedures and codes.

**TOOLS REQUIRED**

Adjustable Wrench, Phillips Screwdriver, Wire Cutter/Stripper

**PARTS INCLUDED**



ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Bracket, Thermostat	05700-004-21-55
2	1	Thermostat, Electronic	06685-004-17-27
3	2	Screw, 6-32 x 3/8	05305-002-25-91
4	2	Probe, Thermistor	06685-004-17-26
5	1	Power Wire Assembly, Thermostat	05700-005-09-49
6	1	Probe Wire Assembly, Thermostat	05700-005-09-50
7	1	Relay Wire Assembly, Thermostat	05700-005-09-51
8	2	Fitting, 1/4 Nut/Sleeve, Brass	05310-924-02-05

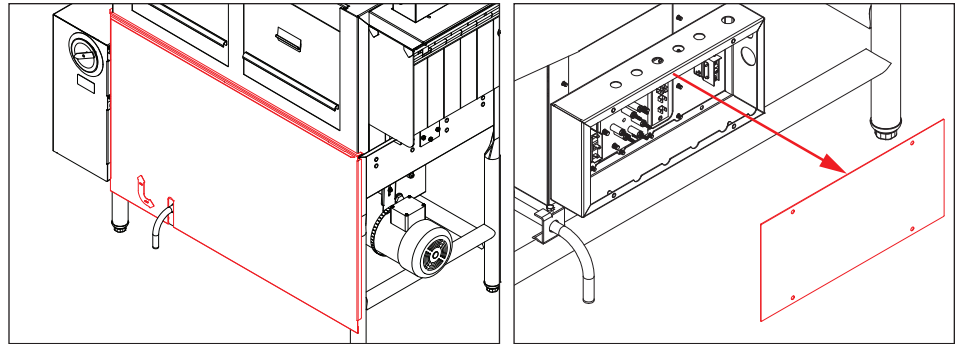
**SCHEMATIC**

Reminders to reference machine schematic located throughout instructions.

### PROCEDURE

1. Remove front dress panel and heater box cover.

*Phillips screwdriver  
used in this step.*



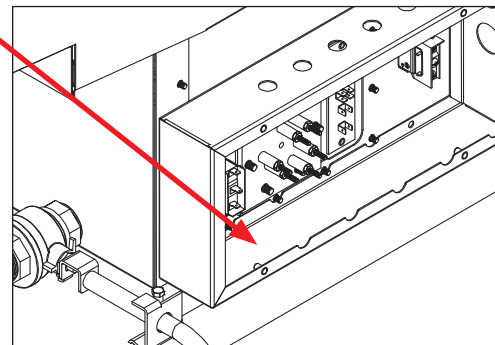
2. Remove WHT and BLK wires from new thermostat (will reconnect later).

*New thermostat from  
kit used in this step.*



3. Remove stick tape from bottom of thermostat bracket and stick new thermostat to empty space at bottom of heater box.

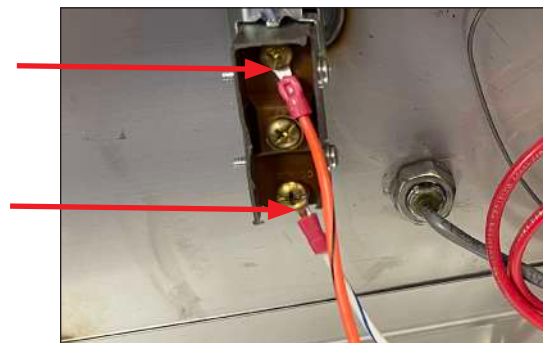
*New thermostat from  
kit used in this step.*



4. Remove ORG/BLK and WHT/BLU wires from TS2 and disconnect/discard ORG/BLK wire.

*TS2 = Thermostat 2*

*Reference machine  
schematic.*

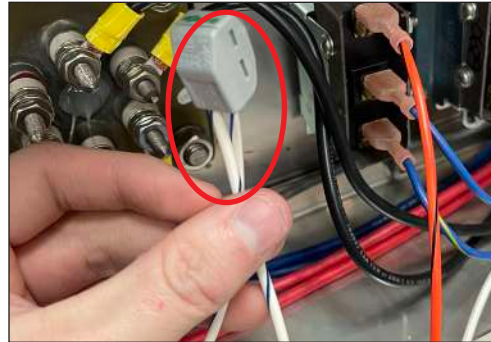


### PROCEDURE

5. Cut terminal off WHT/BLU wire and attach to WHT/BLU wire provided in kit.

*Wire cutter/stripper used in this step.*

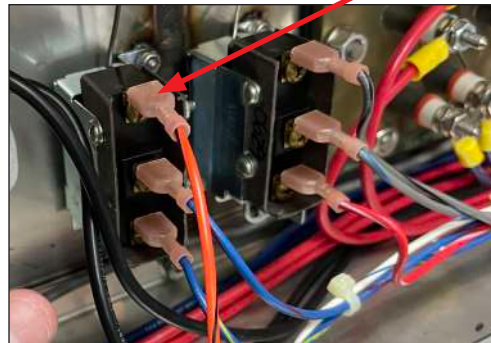
*WHT/BLU wire from kit used in this step.*



6. Attach ORG/BLK wire supplied in kit to common on TS1.

*TS1 = Thermostat 1*

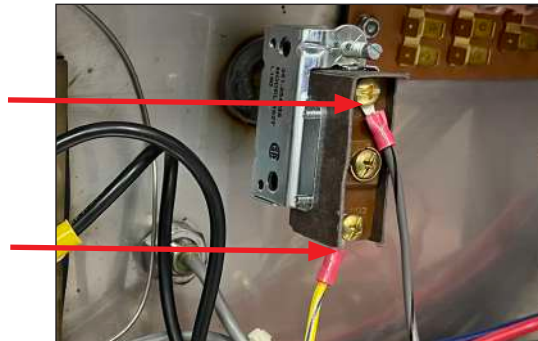
*ORG/BLK wire from kit used in this step.*



7. Remove GRY/BLK and YLW/BLU wires from TS4 and disconnect/discard GRY/BLK wire.

*TS4 = Thermostat 4*

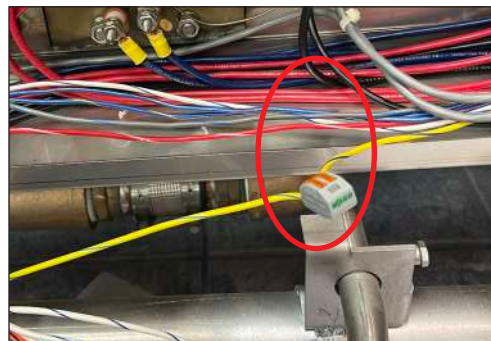
*Reference machine schematic.*



8. Cut terminal off YLW/BLU wire and attach to YLW/BLU wire provided in kit.

*Wire cutter/stripper used in this step.*

*YLW/BLU wire from kit used in this step.*



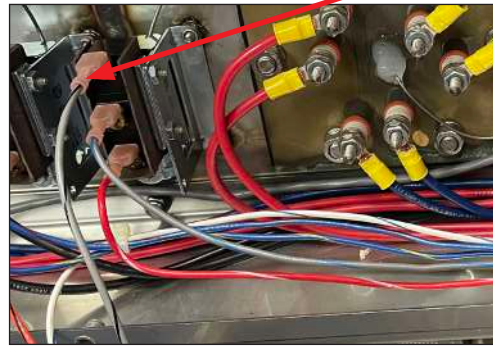
### PROCEDURE

*TS3 = Thermostat 3*

*GRY/BLK wire from kit used in this step.*

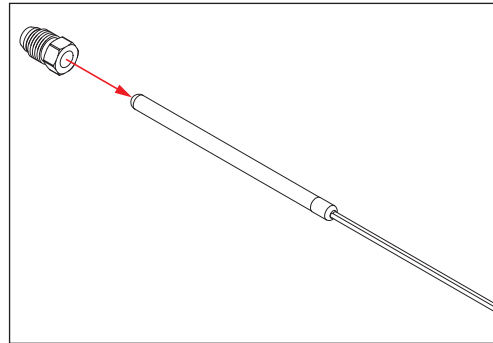
*Reference machine schematic.*

9. Attach GRY/BLK wire supplied in kit to common on TS3.



10. Place brass fittings from kit on temperature probes from kit.

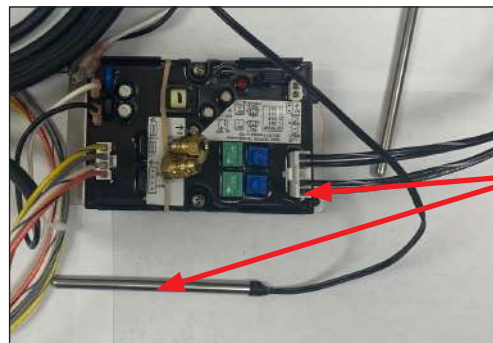
*Brass fittings from kit used in this step.*



11. Remove TS2 and TS4 using adjustable wrench and replace with probes from kit. Insert probes 1" into tub and tighten brass fittings using adjustable wrench (probe 1 is wash, replaces TS2, other probe replaces TS4).

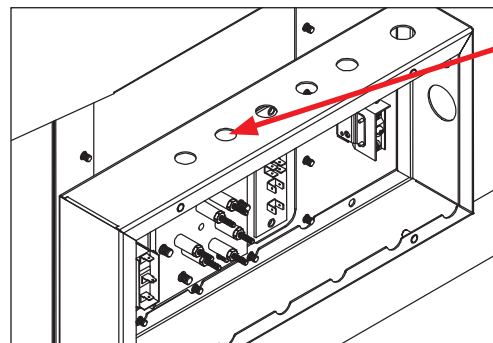
*Adjustable wrench used in this step.*

*Probes from kit used in this step.*



12. Remove plug from heater box and route wires removed in Step 2 through hole.

*Cord from kit used in this step.*



### PROCEDURE

13. Reconnect WHT and BLK wires removed in Step 2 to same locations on new thermostat. Tighten provided black plastic fitting into heater box.

*Fitting from kit used in this step.*



14. Remove plug from back of upper control box and route other end of cord with WHT and BLK wires through hole.

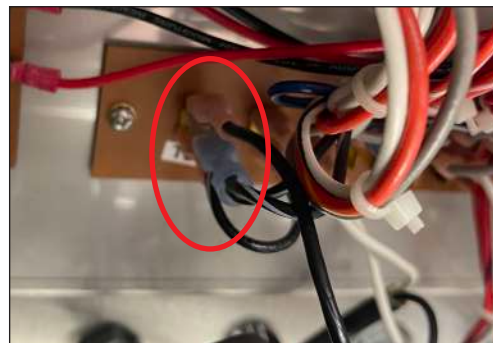
*Fitting from kit used in this step.*



15. Attach BLK wire from cord to BLK/WHT on TB2 (use piggyback terminal if necessary).

*Cord from kit used in this step.*

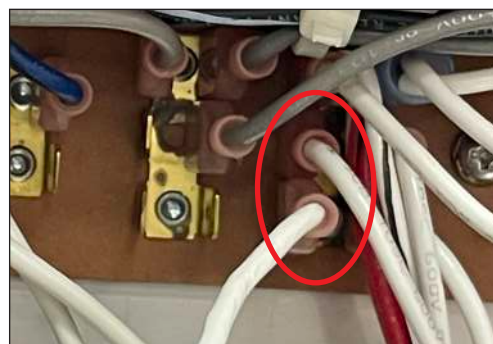
*Reference machine schematic.*



16. Attach WHT wire from cord to WHT on TB2 (use piggyback terminal if necessary).

*Cord from kit used in this step.*

*Reference machine schematic.*



17. Replace heater box cover and front dress panel.
18. Restore power and water to machine.