

INSTALLATION INSTRUCTIONS

BRAISING PAN CONTROLLER

VULCAN MODELS VG30, VG40 (GAS) AND VE30, VE40 (ELECTRIC) BRAISING PANS ML'S AFFECTED - 126847, 126848, 126849 AND 126850

NOTICE

These instructions are only intended for use by properly trained and qualified service technicians.

If you do not have technical training for this product, you should read the following procedure, in its entirety, to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained Hobart Service technician.

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NOTE: Kit 00-857398-1 will allow the installation of the service replacement temperature controller on braising pans built before January, 2008.

BRAISING PAN CONTROLLER KIT CONTENTS, PART NO. 00-857398-1		
Part Number	Description	Qty
00-857112-1	Controller, Temperature	1
00-857388-1	Thermocouple, Type K (includes strain relief fitting)	1
00-857389-1	Potentiometer	1
00-857390-1	1 Plate, Adapter	1
00-857397-1	Harness, Temp Control Jumper	1
00-854693-1	Shaft, Rotary Seal Nut (strain relief fitting)	1
00-854762-1	Nut, Locking 1/4" NPT (strain relief fitting)	1
00-854763-1	O-ring (strain relief fitting seal)	1
00-NS 038-01	Nut, Lock 6-32	2
WS 018-37	Washer .406" x .75" x .062"	4
00-854709-1	Label, Electric Schematic	1
00-854710-1	Label, Gas Schematic	1

NOTE: Braising pans with serial number 27-1175431 and higher have the new temperature controller installed.

Tools

- Standard set of hand tools.

Installation

1. Lower food pan frame support and disengage from support hinges.

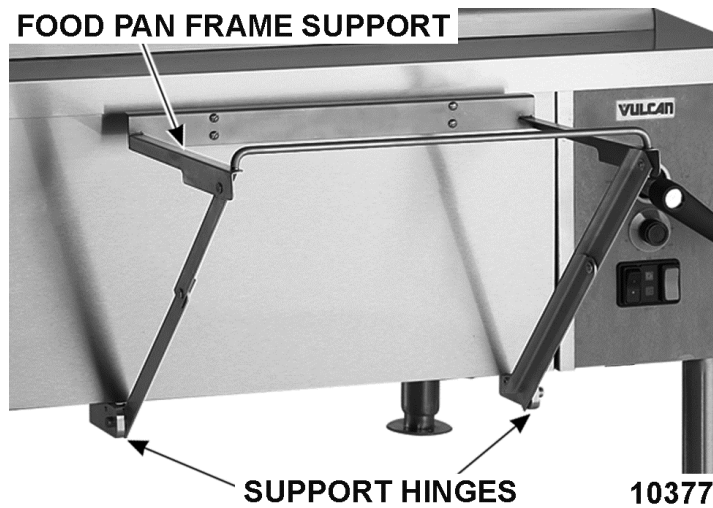


Fig. 1

2. Raise pan to full tilt position



WARNING

Disconnect the electrical power to the machine and follow lockout / tagout procedures.



WARNING

Shut off the gas before servicing the unit and follow lockout / tagout procedures.

3. Remove front panel.
4. Disconnect conduit from control box.

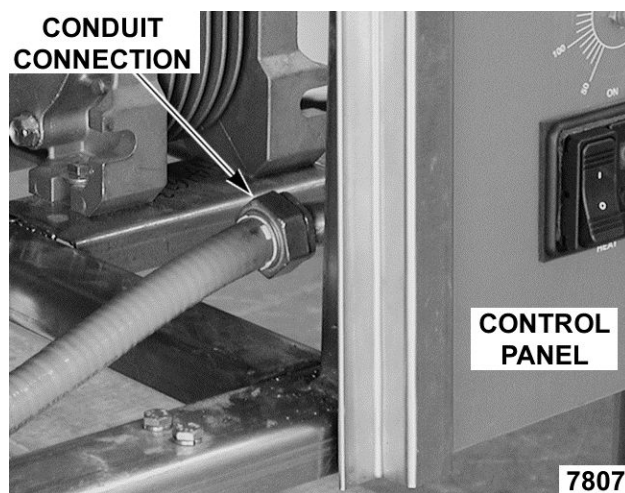


Fig. 2

5. Remove manual lift crank handle (if installed).
6. Remove bolts securing control panel to frame.

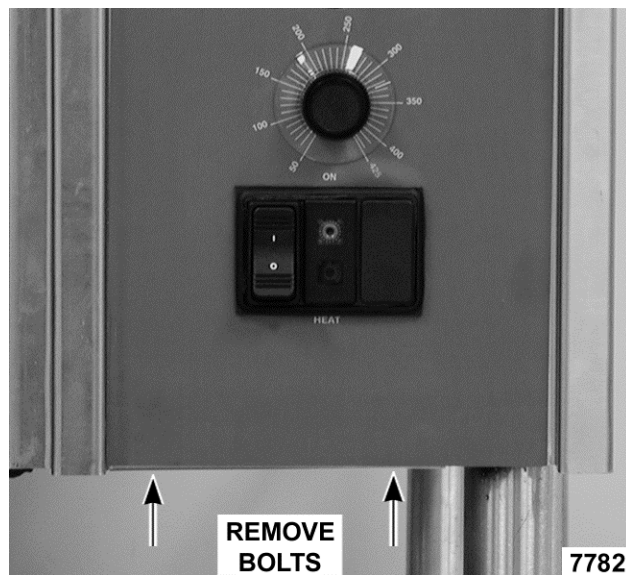


Fig. 3

7. Tilt bottom of control panel outwards and pull down. Support control panel to remove lead wire strain.
8. Remove control box from control panel.

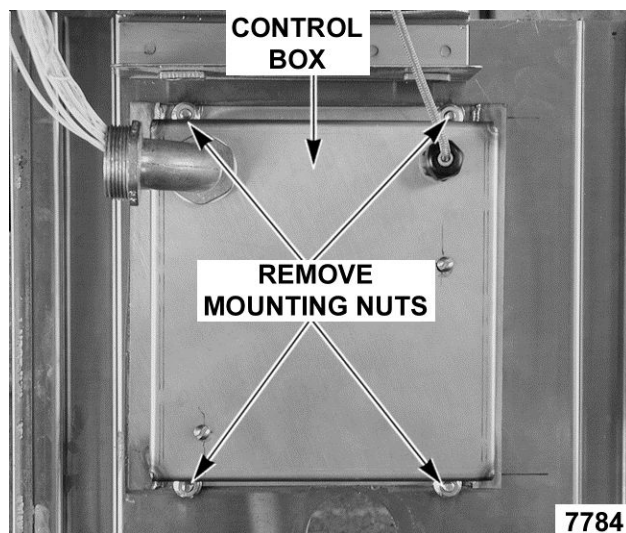


Fig. 4

9. Note and disconnect lead wires from temperature controller.
10. Remove temperature controller from control box.

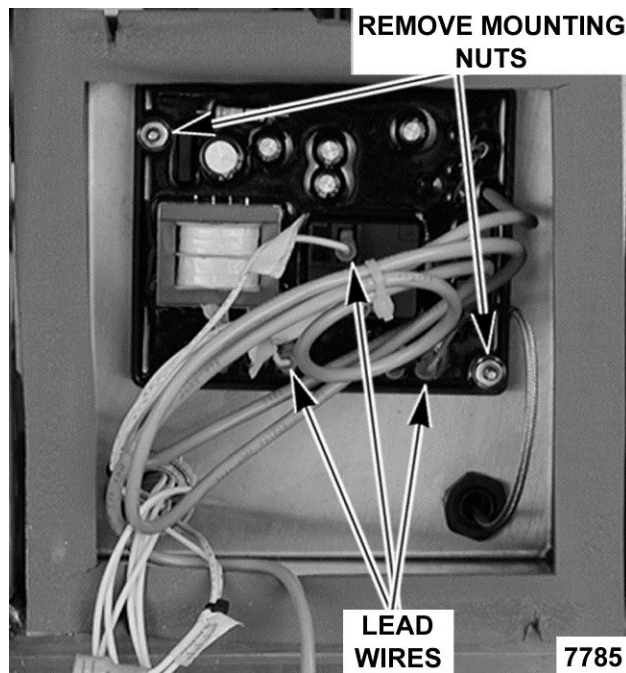


Fig. 5

11. Pull temperature dial from potentiometer shaft and remove seal nut.

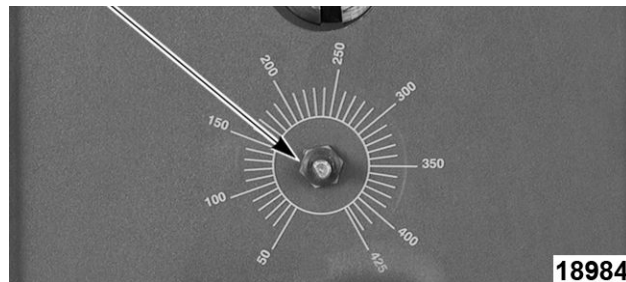


Fig. 6

12. Remove potentiometer from control panel.
13. Remove thermocouple probe.
 - A. Gas models - Remove insulation cover bracket.

NOTE: Use insulation from the old probe to reuse when new probe installed. If not usable, use a 3x3 piece of oven insulation.

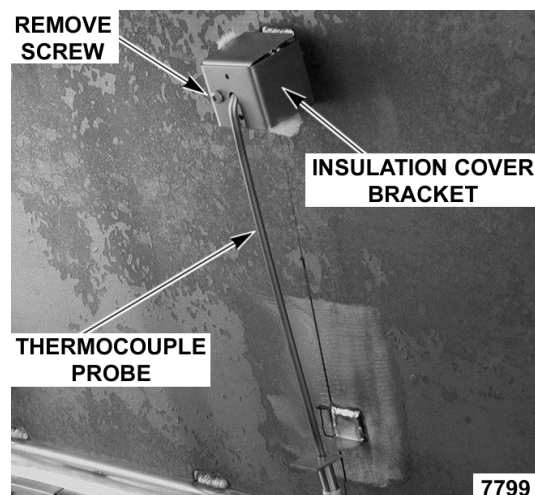


Fig. 7

B. Electric models.

- 1) Remove harness cover.

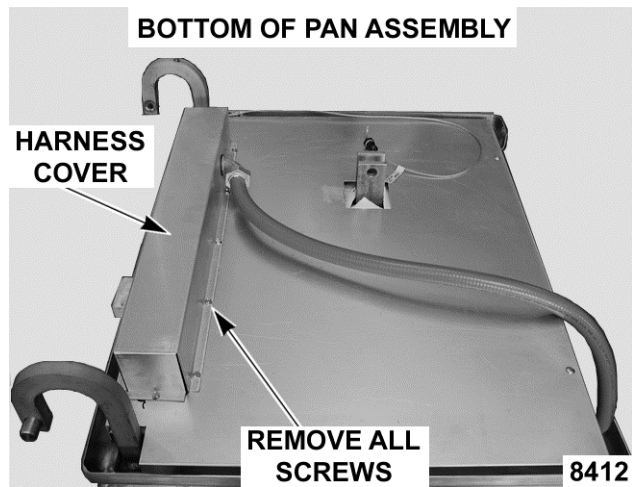


Fig. 8

- 2) Remove insulation cover.

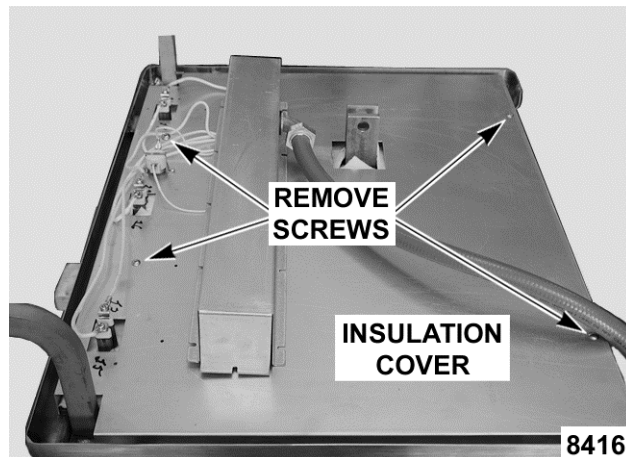


Fig. 9

- C. Remove thermocouple probe (1, Fig. 10) from mounting bracket (2, Fig. 10). Retain lock nut.

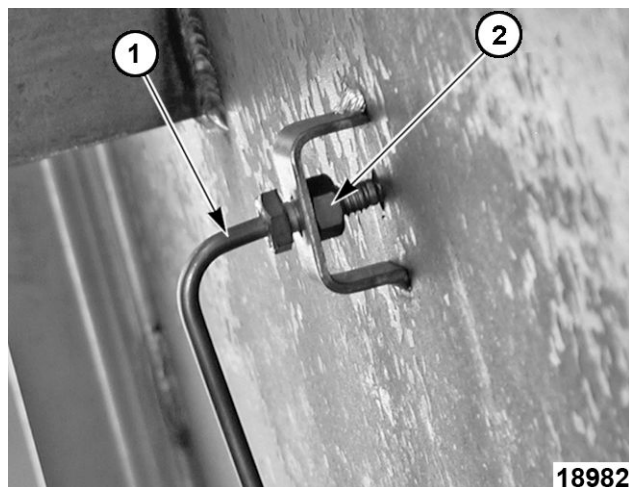


Fig. 10

- D. Loosen metal clamps securing thermocouple wire to frame and hinge.
- E. Remove strain relief fitting and thermocouple probe from machine.

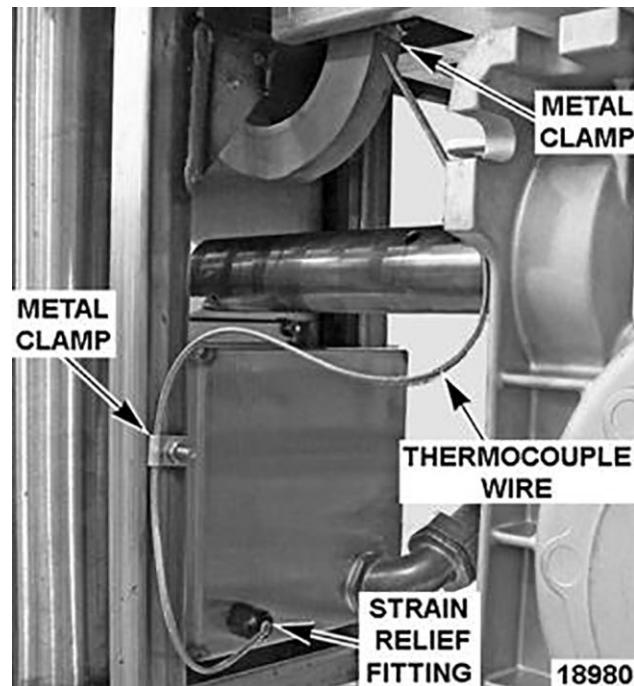


Fig. 11

- 14. Install thermocouple probe from kit.
 - A. Apply a bead of thermal grease in mounting bracket hole on pan.
 - B. Insert probe through hole in mounting bracket on pan. Thread lock nut onto probe and tighten until probe touches pan.

NOTICE

Tighten thermocouple just until it touches the pan. Do not over tighten or damage to the thermocouple may occur.

- C. Route thermocouple wire to control box.
- D. Install O-ring on strain relief fitting and ensure O-ring seats in groove.
- E. Insert strain relief fitting into control box mounting hole and secure with locking nut from kit.
- F. Loosen strain relief nut on fitting. Pull approximately 7" of thermocouple wire into control box. Tighten nut to secure.

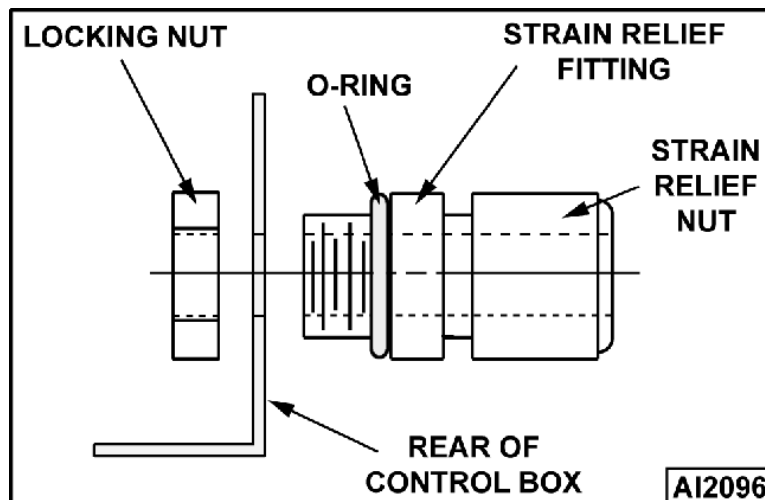


Fig. 12

- G. Route thermocouple wire in the same manner along frame and hinge and secure using metal clamps. Allow slack in thermocouple wire below hinge to prevent wire from kinking or binding during pan movement.

15. Install potentiometer from kit.

- A. Place four washers from kit over potentiometer shaft.
- B. Align tab on potentiometer with positioning bracket on control panel and secure with seal nut from kit.
- C. Attach temperature dial to potentiometer shaft.

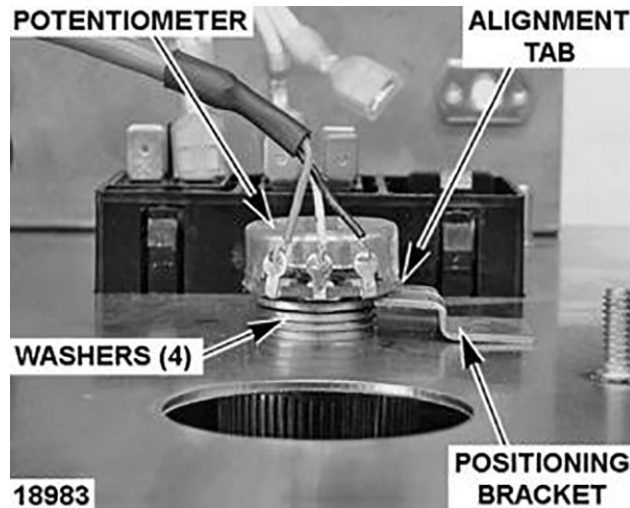


Fig. 13

16. install temperature controller from kit.

- A. Mount temperature controller to adapter plate using two 6-32 nuts provided in kit.
- B. Install temperature controller inside control box and secure using existing nuts.

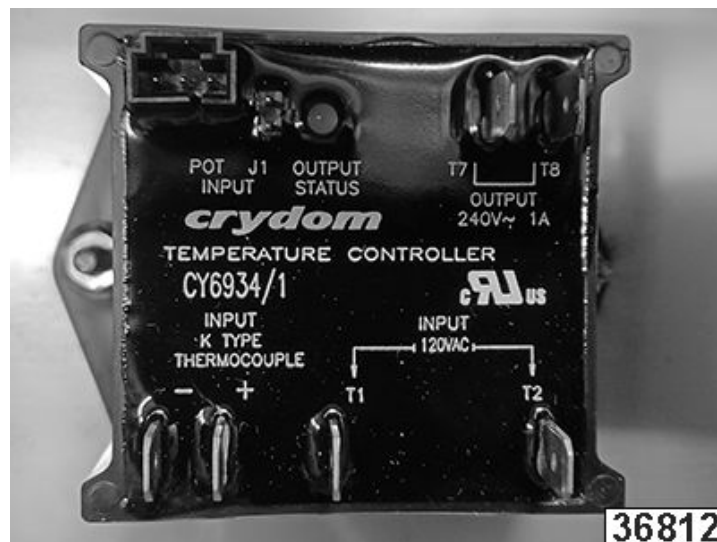
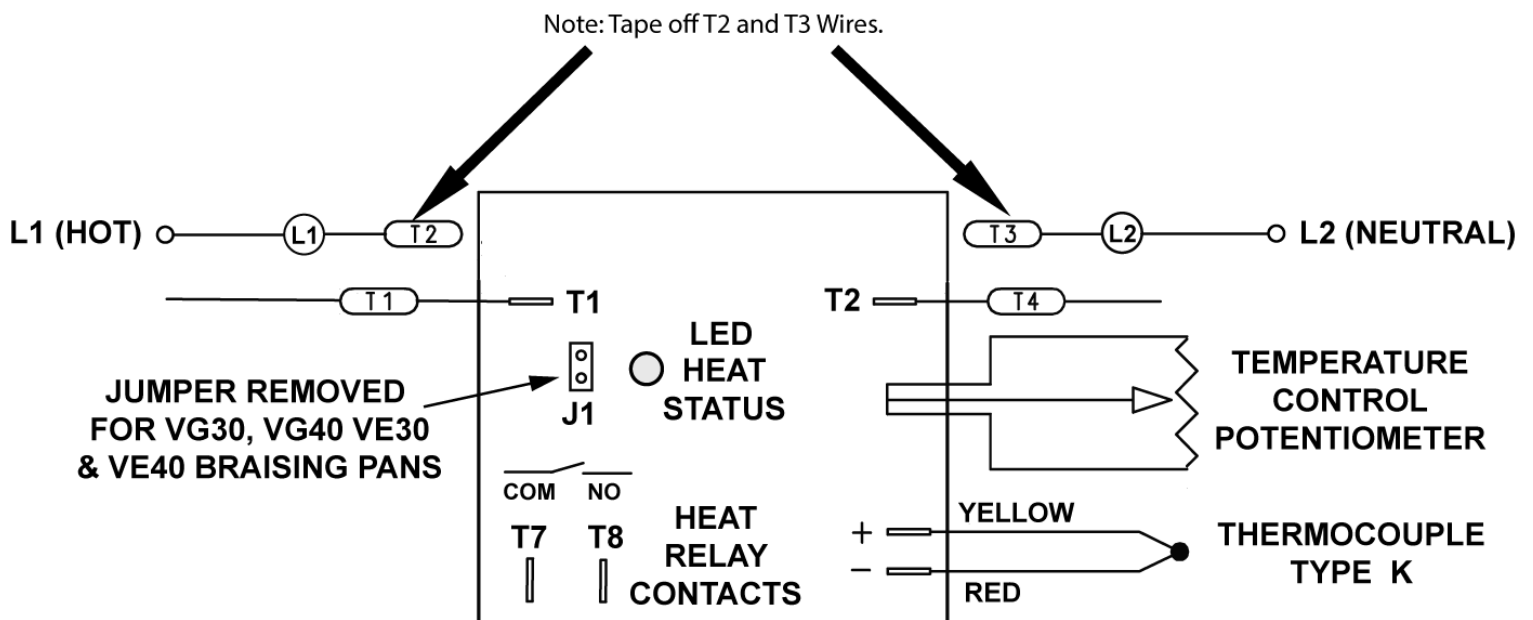


Fig. 14

C. Make temperature controller wiring connection.

- 1) Verify jumper J1 is removed from temperature controller.
- 2) Tape off T2 and T3 wires.
- 3) T1 wire to T1 connection.
- 4) T4 wire to T2 connection.
- 5) Connect potentiometer from kit to temperature controller.
- 6) Connect lead wires to heat relay terminals T7 and T8; and thermocouple probe lead wires to temperature controller.

TEMPERATURE CONTROLLER WIRING DIAGRAM



AI3670

Fig. 15

17. Affix schematic label from kit over existing schematic located on machine.
18. Install control box, cover and panels.
19. Verify proper operation.
20. Check temperature controller calibration.