SV1254/SV1257/SV1256/SV1260
SV1255/SV1258/SV1259
Installation Instructions

TOOL(S) NEEDED

- Phillips Screwdriver or screwgun
- Flat-tip screwdriver
- 3/8" nutdriver
- 1/4" nutdriver
- 5/16" nutdriver
- needlenosed pliers
- 1/2" wrench
- 9/16" wrench
- 11/16" wrench
- 1/2" drill bit & drill

WARNING: Before servicing the fryer ensure that the fryer is shut off, unplugged, and the oil is drained from the pot.

High Limit Removal

Fig.1

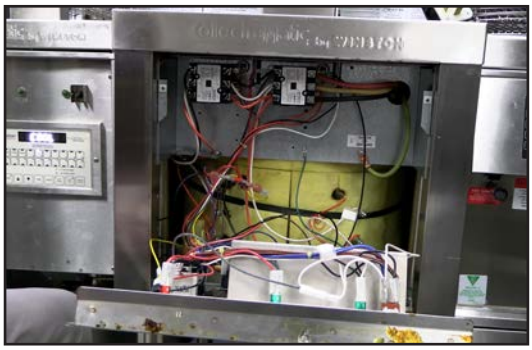


Fig.2

1.Using a Phillips Screwdriver or screwgun, remove the four escutcheon retaining screws and drop the front panel.(Fig.1-2)

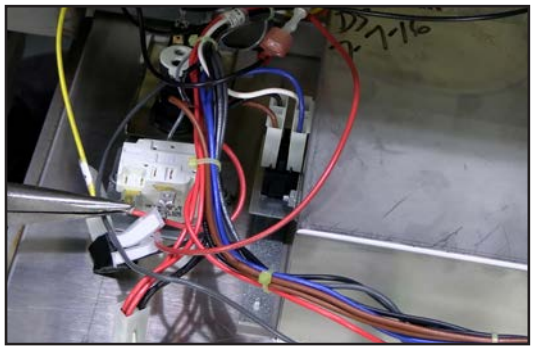


Fig.3

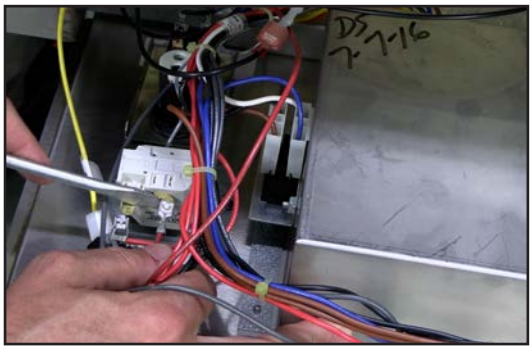


Fig.4

2.Locate the High Limit on the front panel. Using a pair of needlenose pliers, remove the two wires. (Fig.3-4)

For Winston service parts, accessories, and supplies online!
foodservice.winstonind.com/parts-supplies

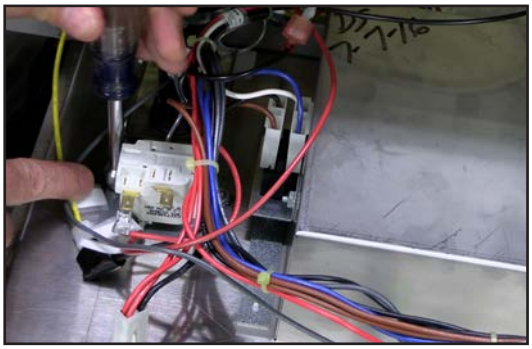


Fig.5

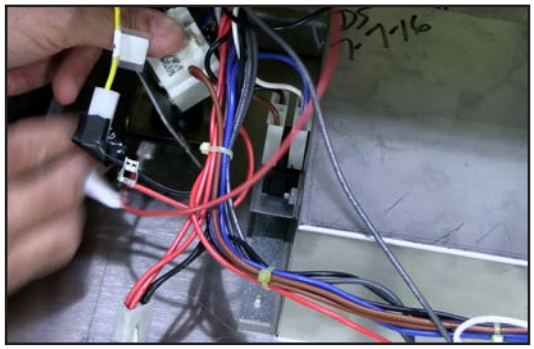


Fig.6

3. Remove the two retaining nuts using a 3/8" nut driver. Set the high limit inside the cabinet. (Fig.5-6)

Front Panel Wire Removal

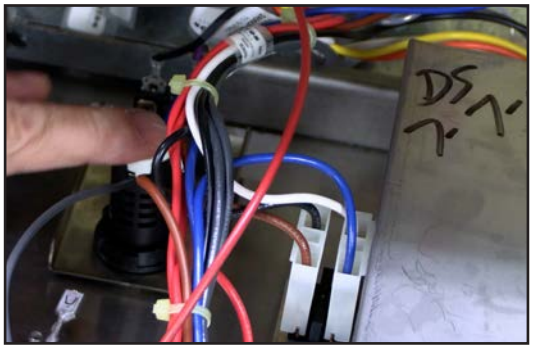


Fig.7

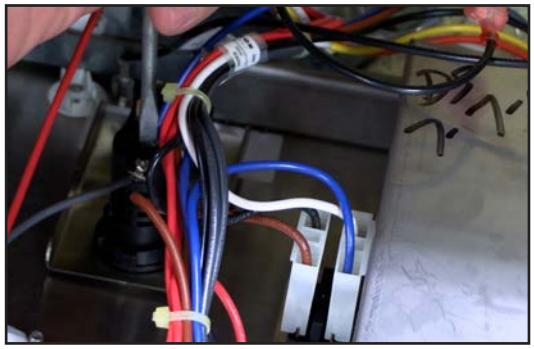


Fig.8

4. Using needlenose pliers and a small screwdriver, remove all wires from the drain alarm buzzer. (If Equipped) (Fig.7-8)

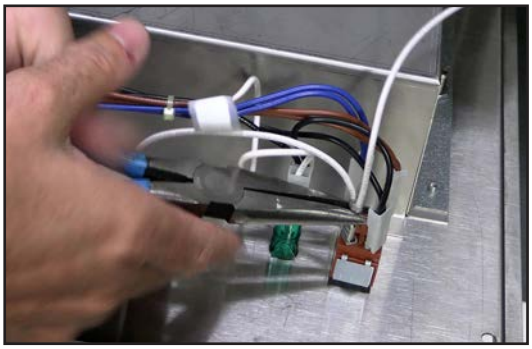


Fig.9

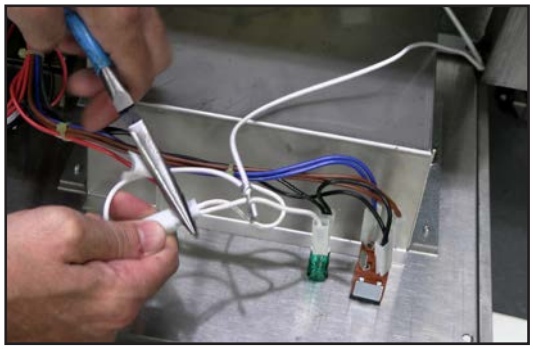


Fig.10

5. Remove the white wires from the power switch. (Fig.9-10)

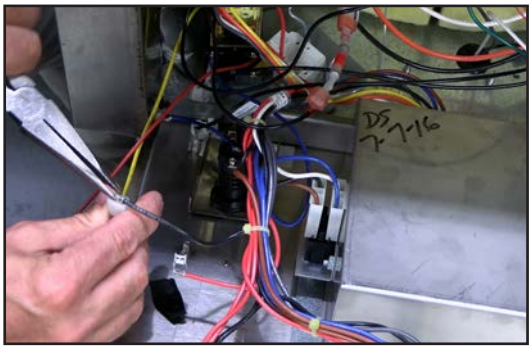


Fig.11

6. If the unit is a PF fryer, the vent solenoid must be disconnected. Disconnect the Yellow and Black wires. (Fig.11)

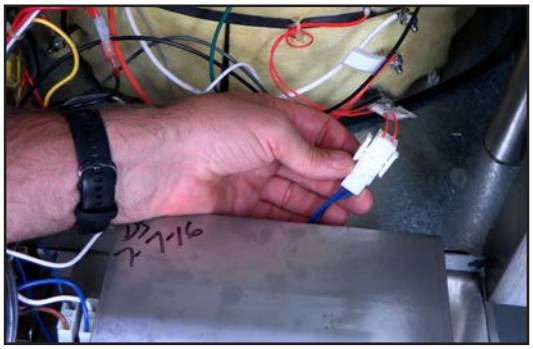


Fig.12

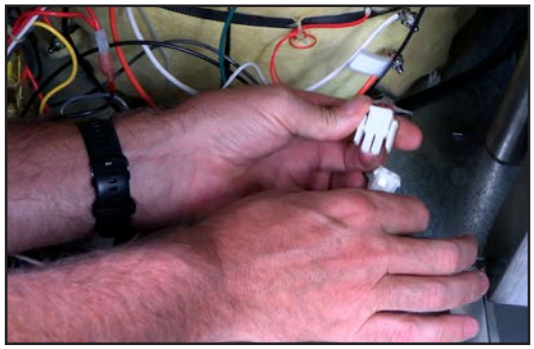


Fig.13

7. Disconnect the Probe (Blue-Red) Wires. (Fig.12-13)

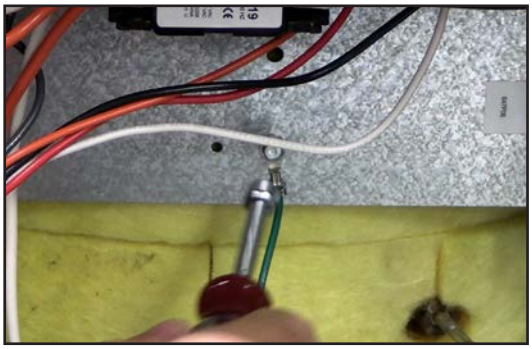


Fig.14

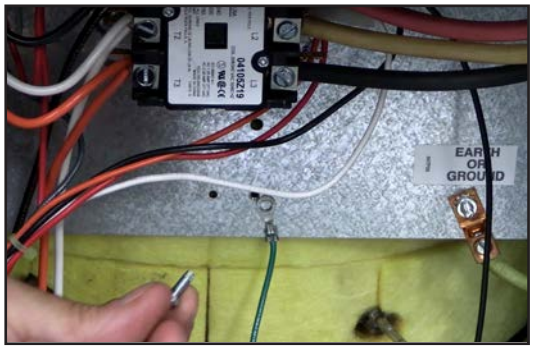


Fig.15

8. Using a 1/4" nut driver, remove the green ground wire. (Fig.14-15)

Fig.16

Fig.17

9. Using a flat-tipped screwdriver, remove the power cord wires from the main relay. (Fig.16-17)

Fig.18

Fig.19

10. Remove the white and two black wires from the main relay. (Fig.18-19)

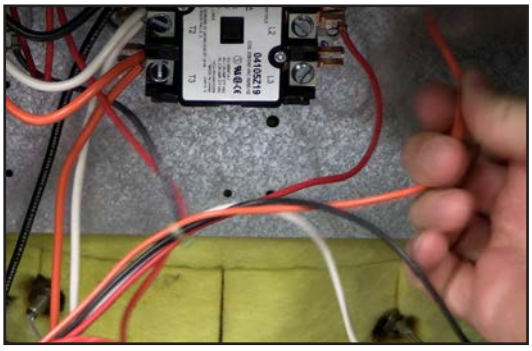


Fig.20

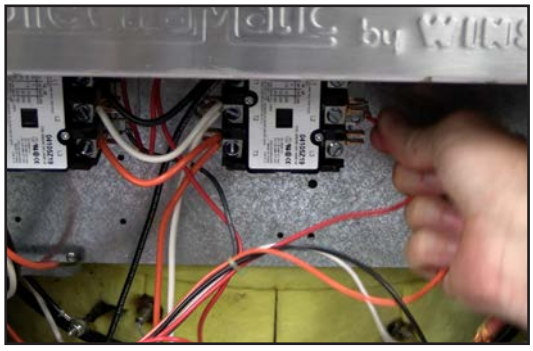


Fig.21

11. Remove the orange and red wires from the main relay. (Fig.20-21)

Fig.22

12. Remove the double red wire from the other side of the main relay. (Fig.22)

Fig.23

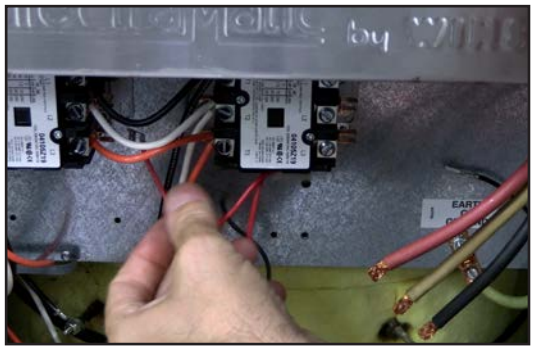


Fig.24

13. Remove the grey and red wire from the heater relay. (Fig.23-24)

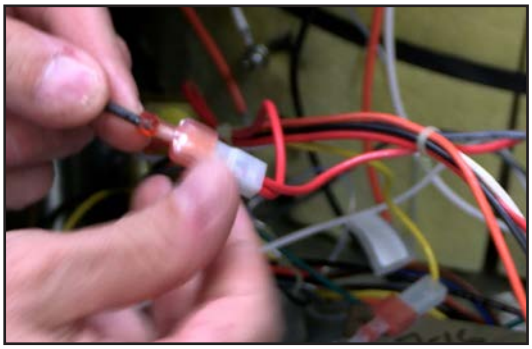


Fig.25

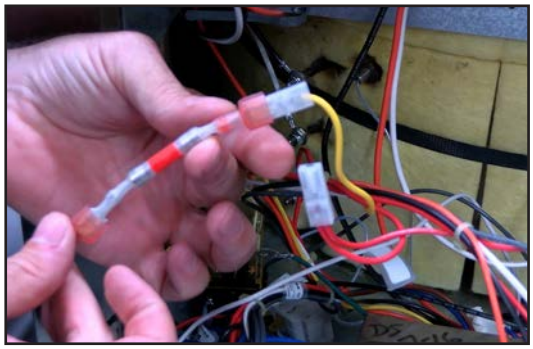


Fig.26

14. If the fryer is a PF fryer, disconnect the Black vent solenoid wire from the red wire. Next, disconnect the black solenoid wire with the fuse link from the yellow wire. (Fig.25-26)

*****If the fryer does not have a drain alarm, proceed to step 19.*****

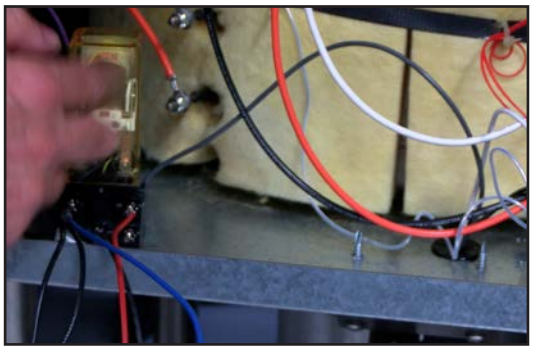


Fig.27

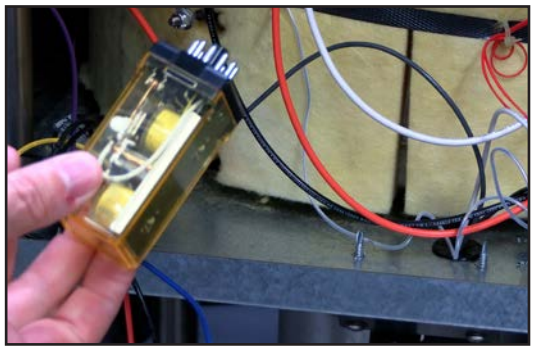


Fig.28

15. If the fryer is equipped with the drain alarm, remove the latching relay top. (Fig.27-28)

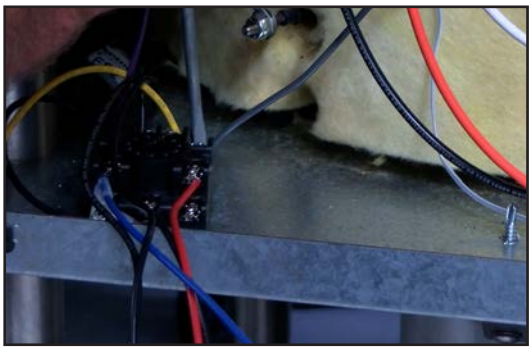


Fig.29

16. Using a flat-tip screwdriver, remove the grey wire that connects to the drain alarm switch. (Fig.29)

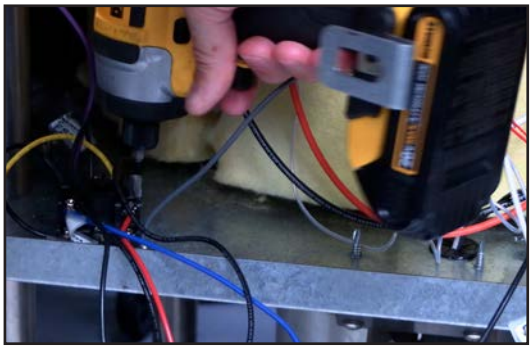


Fig.30

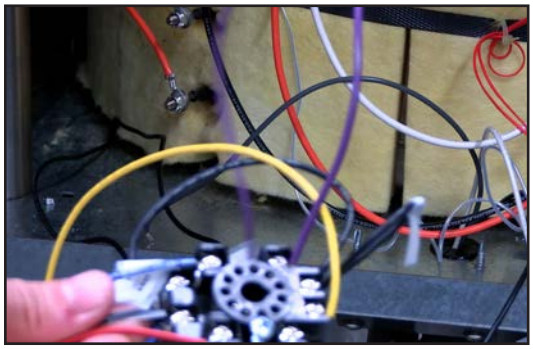


Fig.31

17. Using a Phillips screwdriver, remove the latching relay base. (Fig.30-31)

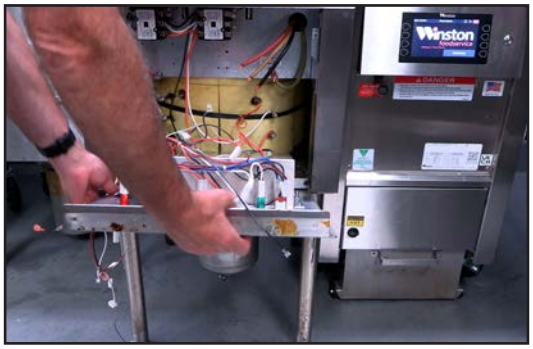


Fig.32

Fig.33

18. Remove the front panel. (Fig.32-33)

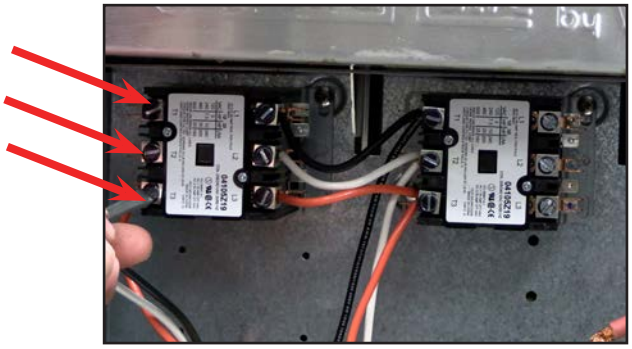


Fig.34

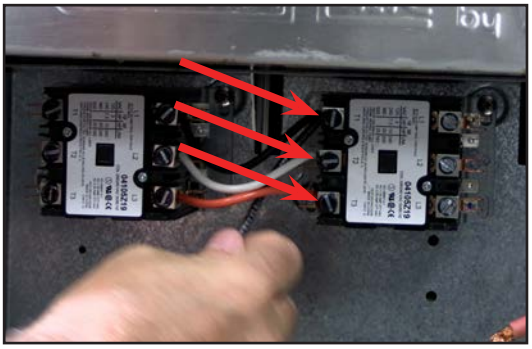


Fig.35

19. Using a flat-tip screwdriver, remove the heater wires from the relays. (Fig.34-35)

Fig.36

Fig.37

20. Using a flat-tip screwdriver, remove the power cord green ground wire. (Fig.36-37)

For Winston service parts, accessories, and supplies online!
foodservice.winstonind.com/parts-supplies

Fig.38

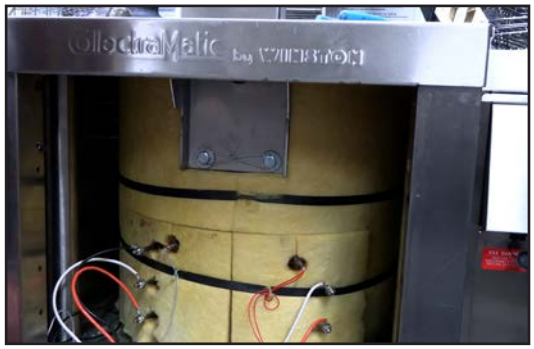


Fig.39

21. Using a Phillips screwdriver or screw gun, remove the four relay bracket retaining screws and then remove the relay bracket. (Fig.38-39)

Temperature Probe Removal

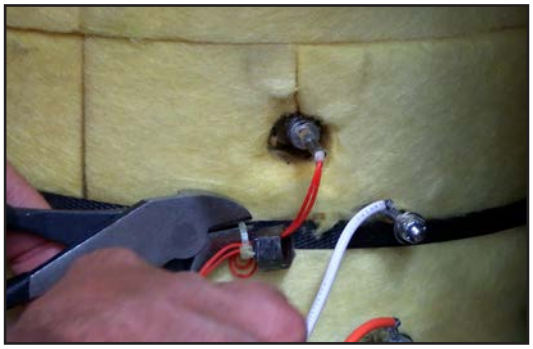


Fig.40

22. Cut and remove the temperature probe wire zip tie. (Fig.40)

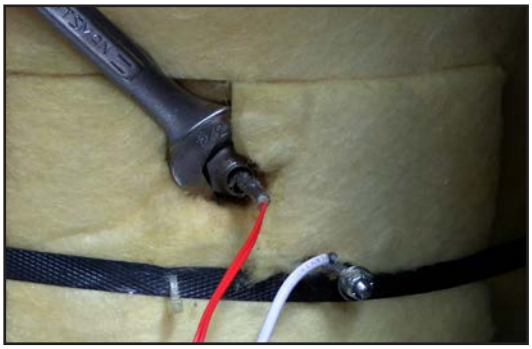


Fig.41

Fig.42

23. Using a 11/16" wrench, loosen the temperature probe nut. Unscrew and remove the temperature probe. (Fig.41-42)

For Winston service parts, accessories, and supplies online!
foodservice.winstonind.com/parts-supplies

New Temperature Probe Replacement

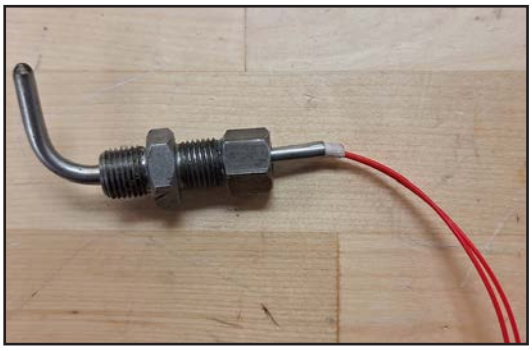


Fig.43

24. Locate the probe assembly in the kit.(Fig.43)

Fig.44

Fig.45

25. Insert the probe into the probe opening and thread it on. Tighten the probe nut using a 11/16" wrench. (Fig.44-45)

Fig.46

26. With the compression nut loose, turn the probe until the probe tip is facing up. (Fig.46)

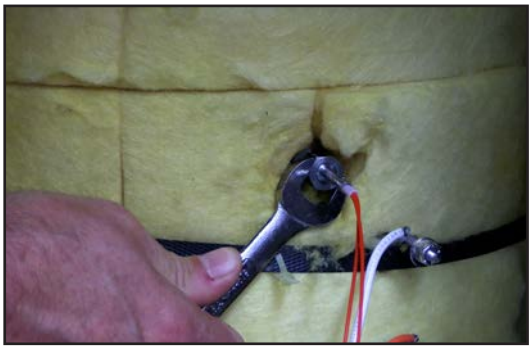


Fig.47

27. Tighten the compression nut using a 9/16" wrench. (Fig.47)

Relay Panel Replacement & Wiring

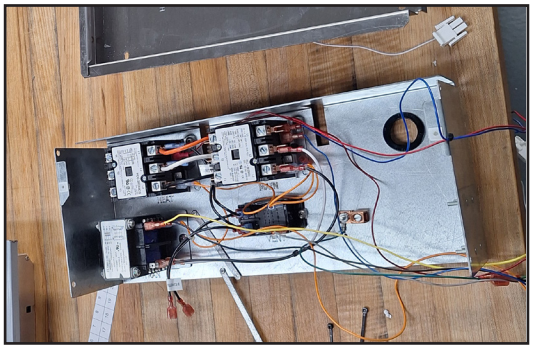


Fig.48

28. Locate the relay panel in the kit. (Fig.48)

Fig.49

Fig.50

29. Locate the two thread clips and place them on the third hole on both sides of the inside front panel. (Fig.49-50)

Fig.51

Fig.52

Fig.53

30. Insert the relay panel as shown. Secure the panel with the four retaining screws and a Phillips screwdriver or screw gun. (Fig.51-53)

Fig.54

31. Insert the power cord leads through the grommet on the right side. (Fig.54)

Fig.55

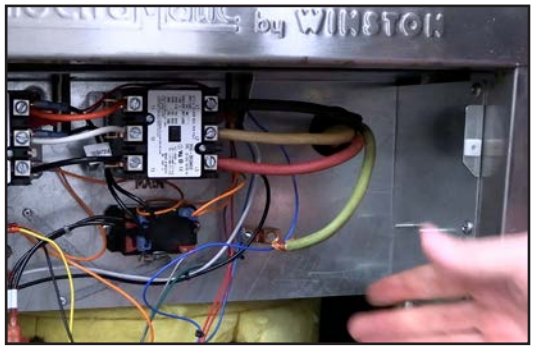


Fig.56

32. Using a flat-tip screwdriver, connect the power cord leads to the main relay, as shown. (Fig.55-56)

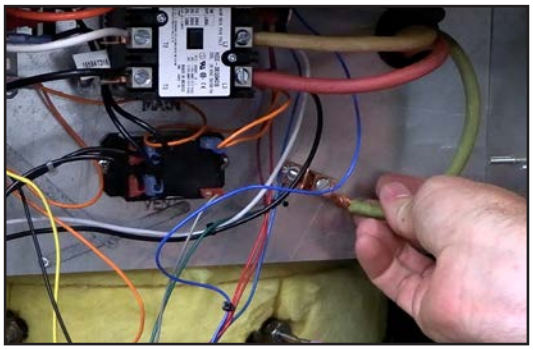


Fig.57

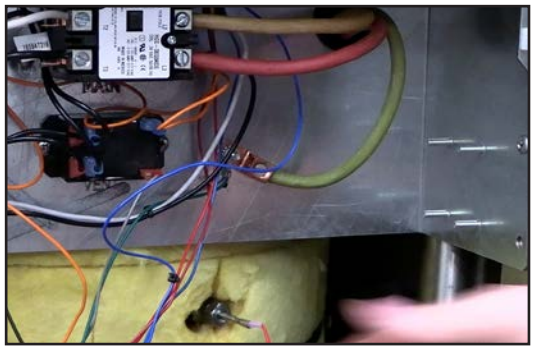


Fig.58

33. Connect the green ground lead to the grounding lug. (Fig.57-58)

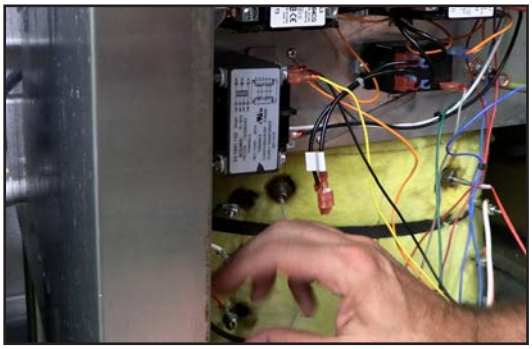


Fig.59

34. Locate the three heater wires coming from the left heater side. (Orange, Black, and, White)(Fig.59)

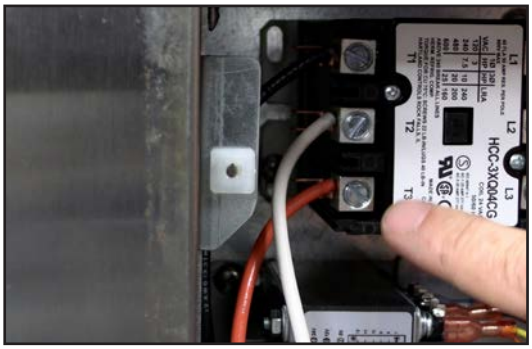


Fig.60

35. Using a flat-tip screwdriver, connect the orange heater wire to the T3 connection on the heater relay. (Fig.60)

Fig.61

36. Using a flat-tip screwdriver, connect the white heater wire to the T2 connection on the heater relay. (Fig.61)

Fig.62

37. Using a flat-tip screwdriver, connect the black heater wire to the T1 connection on the heater relay. (Fig.62)

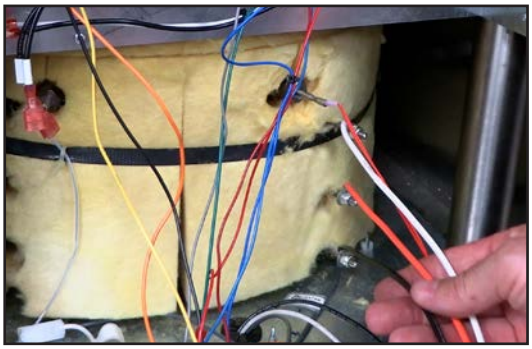


Fig.63

38. Locate the three right-side heater wires. (Fig.63)

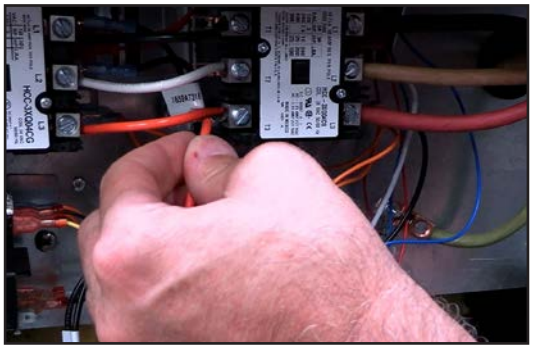


Fig.64

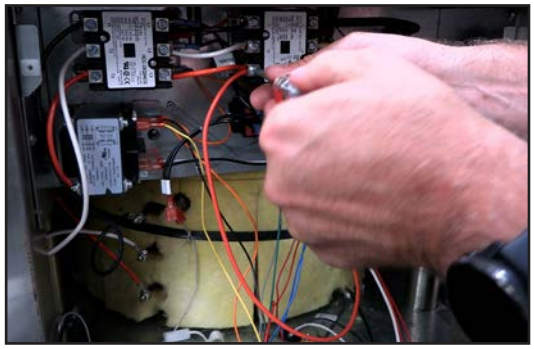


Fig.65

39. Using a flat-tip screwdriver, connect the orange heater wire to the T3 connection on the heater relay. (Fig.64-65)

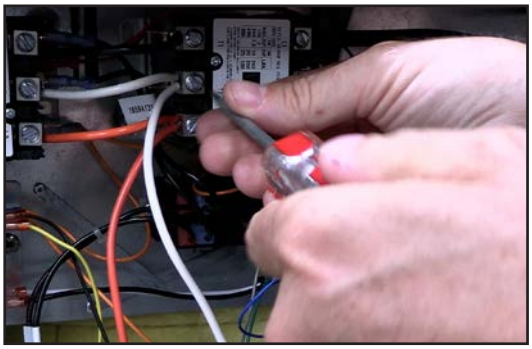


Fig.66

40. Using a flat-tip screwdriver, connect the white heater wire to the T2 connection on the heater relay. (Fig.66)

For Winston service parts, accessories, and supplies online!
foodservice.winstonind.com/parts-supplies

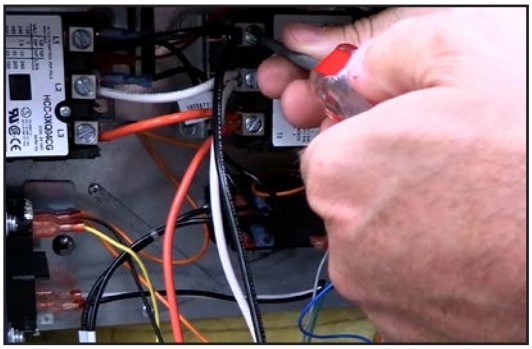


Fig.67

41. Using a flat-tip screwdriver, connect the black heater wire to the T1 connection on the main relay. (Fig.67)

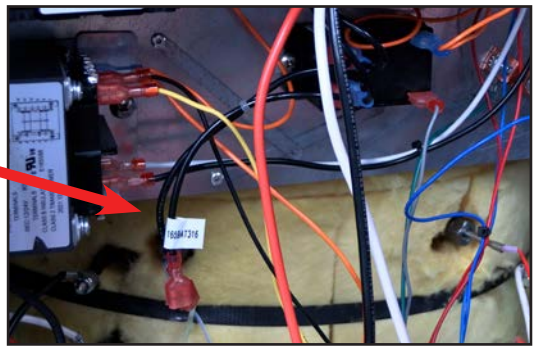


Fig.68

42. Locate the two black leads coming from the vent relay. (Fig.68)

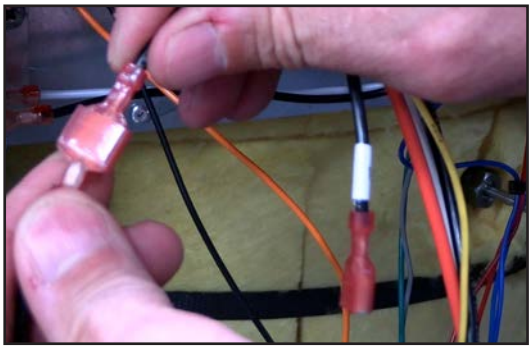


Fig.69

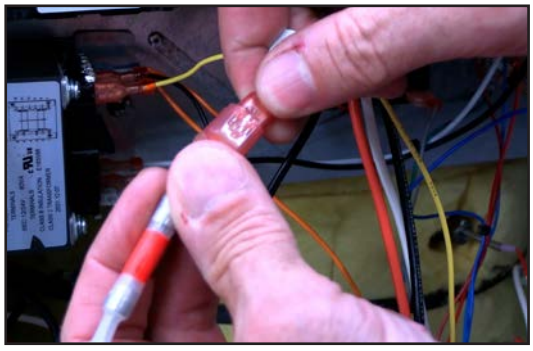


Fig.70

43. Locate the two black wires coming from the vent solenoid. These will be on the left side, coming from the back of the pot. Connect these leads to the black leads coming from the vent relay. (Fig.69-70)

Existing Drain Alarm Switch

***** Follow steps 44 through 55 if you have a drain alarm. Skip to step 56 if you do not.*****

Fig.71

Fig.72

44. Remove the switch cover using a Phillips screwdriver and a 1/4" nutdriver. (Fig.71-72)

Fig.73

45. Disconnect the switch wires. (Fig.73)

Fig.74

Fig.75

46. Using a 5/16" nut driver, remove the two switch retaining bolts. (Fig.74-75)

Fig.76

Fig.77

47. Using a 1/2" wrench, remove the drain handle. (Fig.76-77)

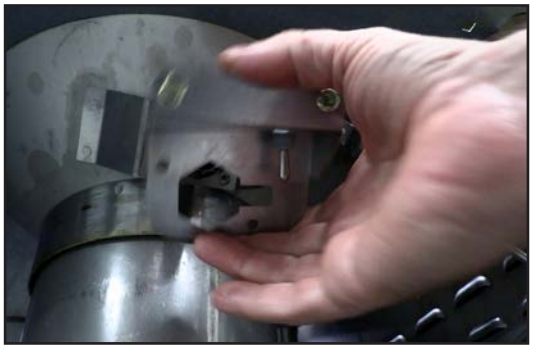


Fig.78

48. Remove the existing switch and plate. (Fig.78)

Fig.79

49. Locate the new switch and plate in the kit and slide over the drain valve. (Fig.79)

Fig.80

Fig.81

50. Using a 5/16" nut driver, replace the drain switch bolts. (Fig.80-81)

Fig.82

Fig.83

51. Reattach the drain handle, using a 1/2" wrench to tighten the handle. (Fig.82-83)

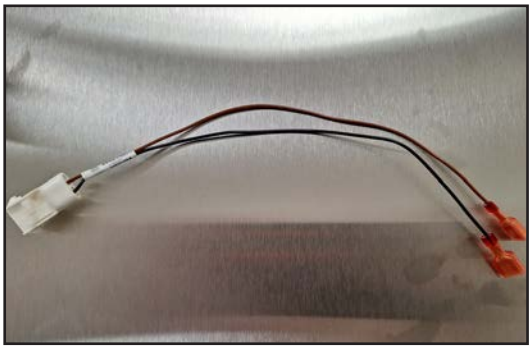


Fig.84

52. Locate the black and brown wire pigtail in the kit. (Fig.84)

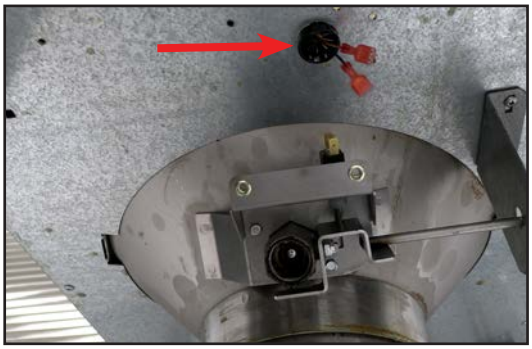


Fig.85

53. Push the terminal ends through the existing grommet. (Fig.85)

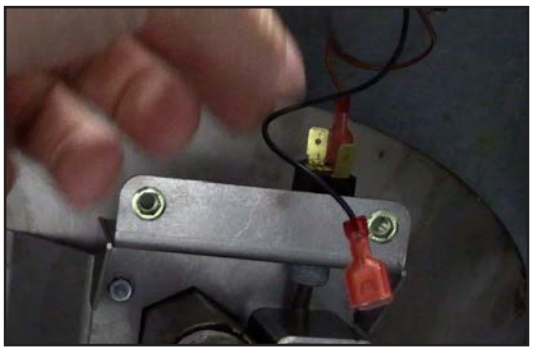


Fig.86

Fig.87

54. Connect the brown wire to the middle(#2) switch connection, and connect the black wire to the front connection(#3). (Fig.86-87)

Fig.88

Fig.89

55. Replace the switch cover using a Phillips screwdriver and a 5/16" nut driver. (Fig.88-89)

Proceed to step 67

For Winston service parts, accessories, and supplies online!
foodservice.winstonind.com/parts-supplies

No Existing Drain Alarm

Fig.90

Fig.91

56. Remove the drain handle using a 1/2" wrench. (Fig.90-91)

Fig.92

Fig.93

57. Remove the two drain plate retaining screws using a 5/16" nut driver. (Fig.92-93)

Fig.94

58. Locate the drain switch assembly in the kit and slide it in over the drain bolt. (Fig.94)

Fig.95

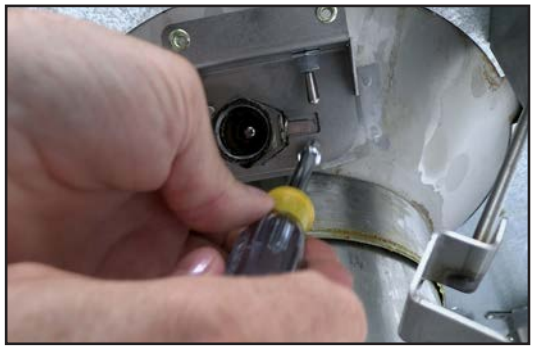


Fig.96

59. Replace the drain plate retaining screws using a 5/15" nut driver. (Fig.95-96)

Fig.97

Fig.98

60. Replace the drain handle and tighten it using a 1/2" wrench. (Fig.97-98)

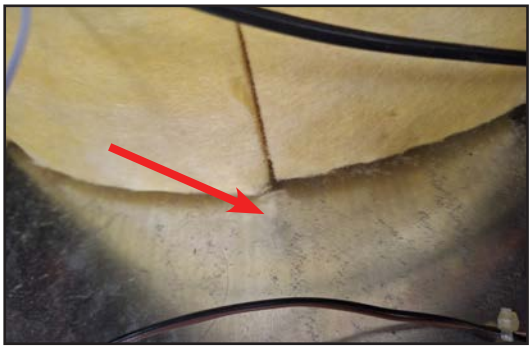


Fig.99

61. Locate a spot in the fryer's bottom, just in front of the fryer pot. (Fig.99)

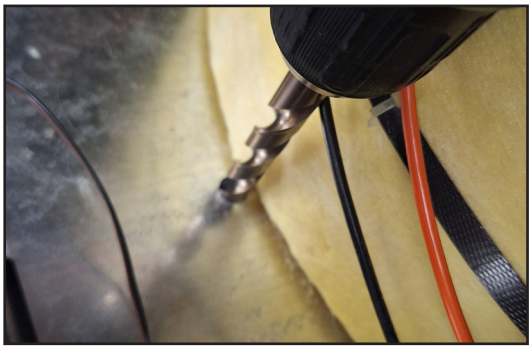


Fig.100

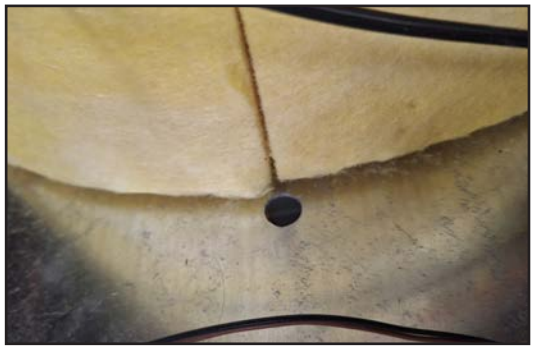


Fig.101

62. Drill a hole into the fryer's bottom using a 1/2" drill bit. (Fig.100-101)

Fig.102

Fig.103

63. Locate the rubber grommet and the black and brown wire pigtail in the kit. (Fig.102-103)

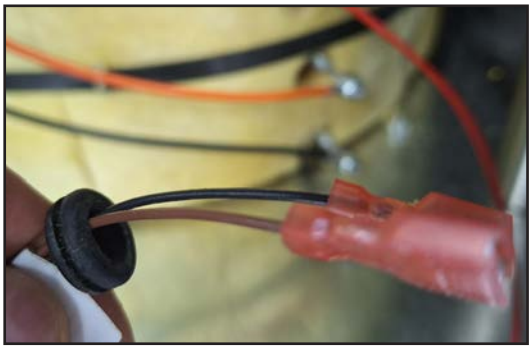


Fig.104

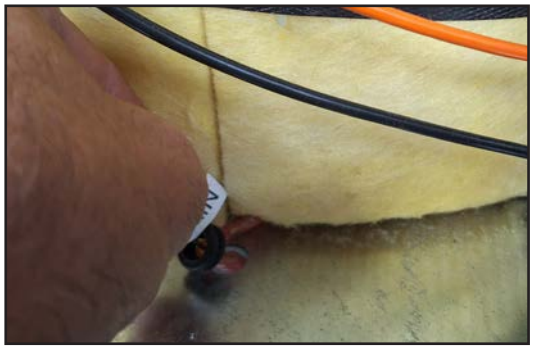


Fig.105

64. Run the pigtail terminal leads through the grommet and insert into the drilled hole. (Fig.104-105)

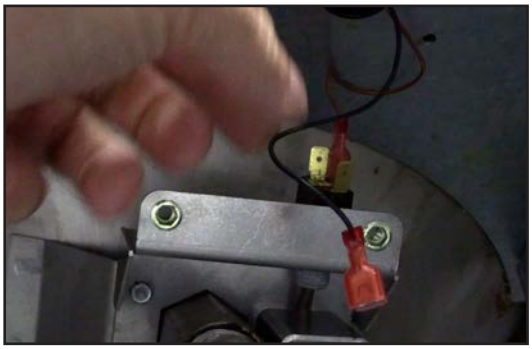


Fig.106

Fig.107

65. Connect the brown wire to the middle(#2) switch connection, and connect the black wire to the front connection(#3). (Fig.106-107)

Fig.108

66. Replace the switch cover using a Phillips screwdriver. (Fig.108)

Front Escutheon Wiring

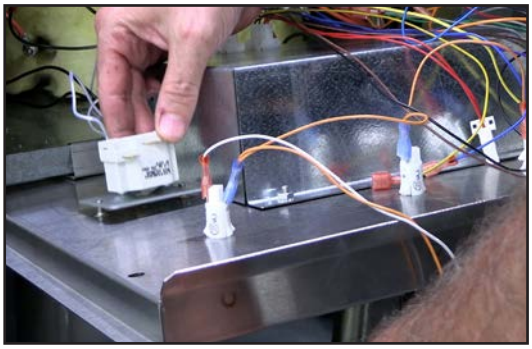


Fig.109

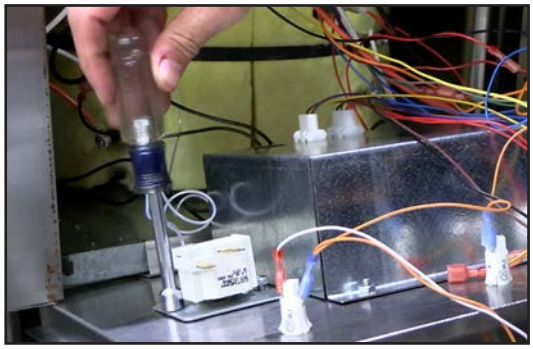


Fig.110

67. Locate the high limit and place it over the escutcheon studs. Attach the high limit Using a 3/8" nut driver. (Fig.109-110)

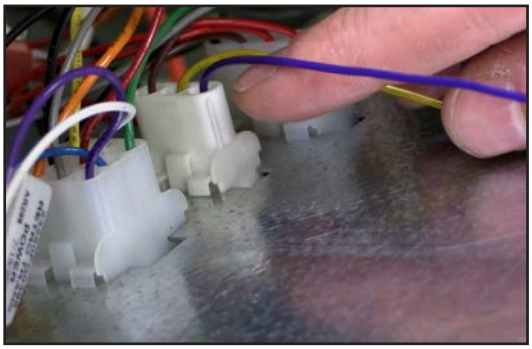


Fig.111

68. Locate the purple wire coming from the 3-pin Molex and is connected to the power switch. (Fig.111)

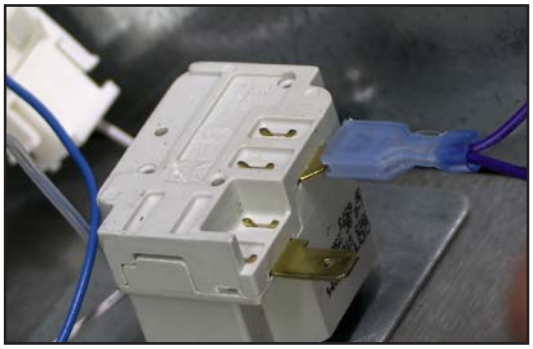


Fig.112

69. Connect the open purple lead to the right side of the high limit. (Fig.112)

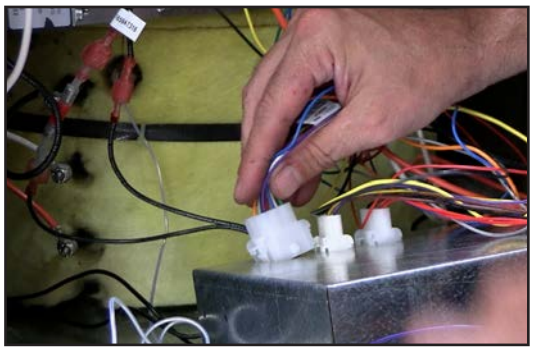


Fig.113

70. Locate the 9-pin Molex connection and insert it into the open slot on the back of the control housing. (Fig.113)

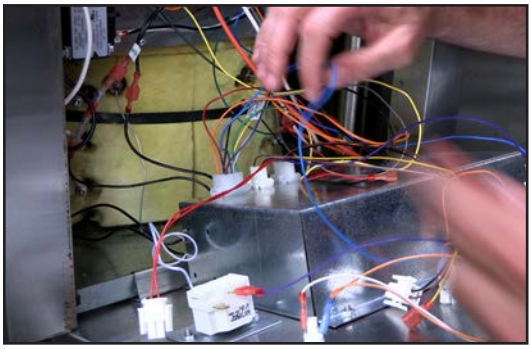


Fig.114

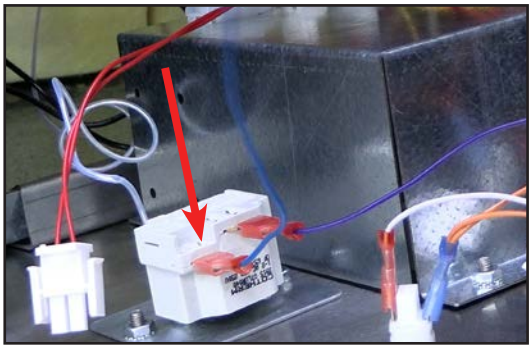


Fig.115

71. Locate the blue wire coming from the 9-pin Molex and insert it into the left side of the high limit. (Fig.114-115)

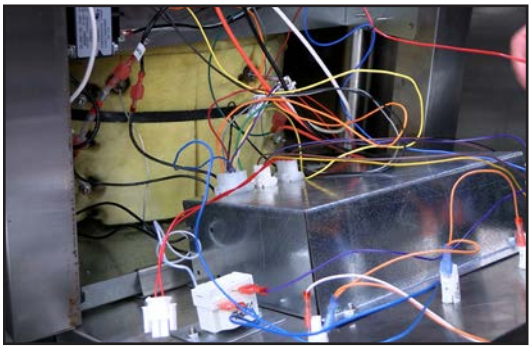


Fig.116

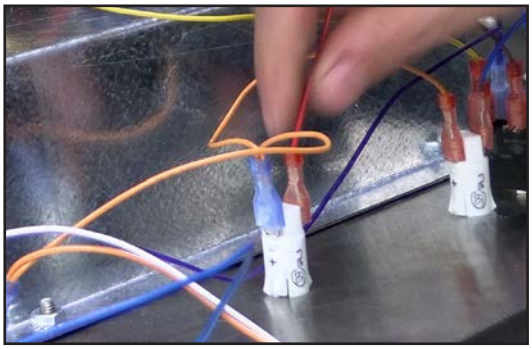


Fig.117

72. Locate the red wire coming from the heater relay and insert it into the right side of the heat lamp. (Fig.116-117)

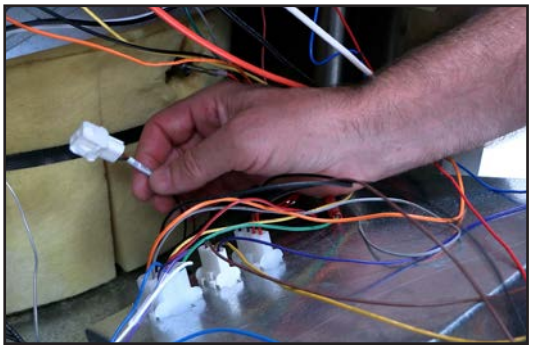


Fig.118

73. Locate the female Molex coming from the drain switch (black and brown). (Fig.118)

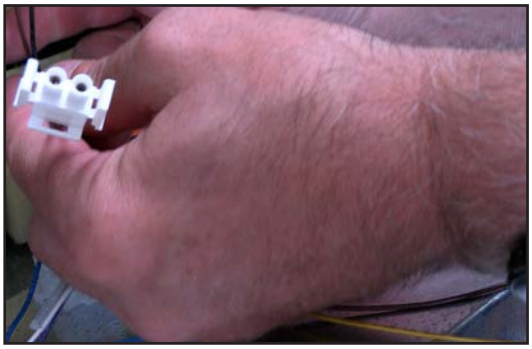


Fig.119

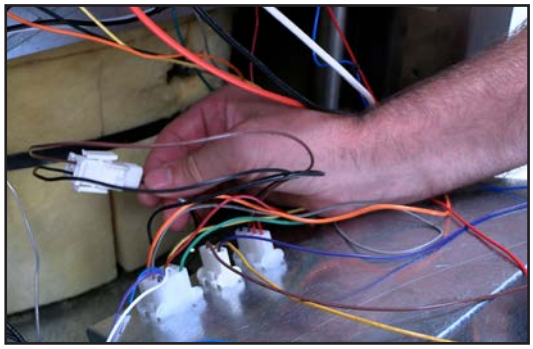


Fig.120

74. Locate the black, brown male Molex connection coming from the 4-pin Molex and connect to the drain switch female connection. (Fig.119-120)

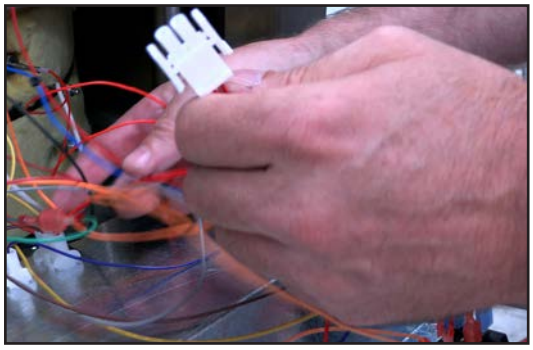


Fig.121

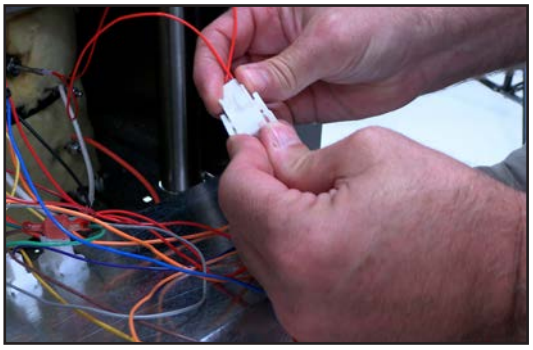


Fig.122

75. Locate the red 2-pin Molex connection coming from the 4-pin Molex connection and connect it to the 2-pin female Molex connection coming from the temperature probe. (Fig.121-122)

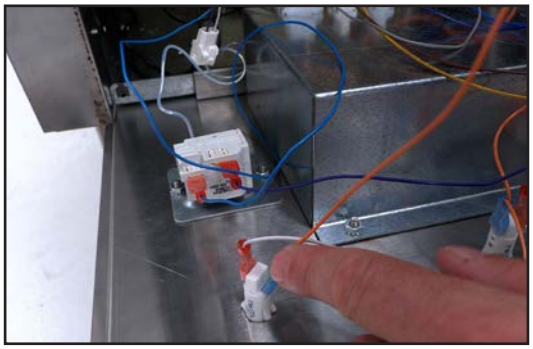


Fig.123

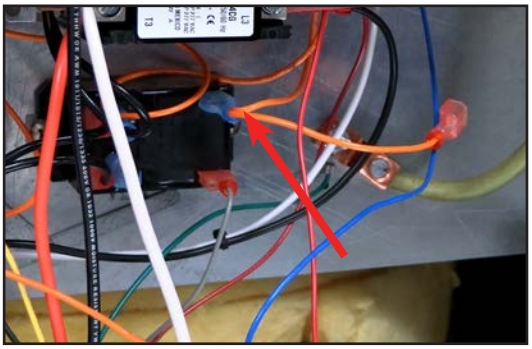


Fig.124

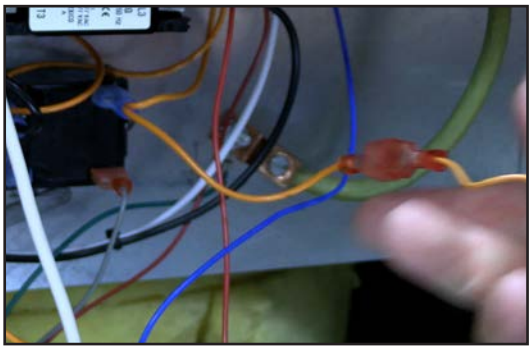


Fig.125

76. Locate the orange lead coming from the high limit lamp and connect it to the orange lead coming from the vent relay. (Fig.123-125)

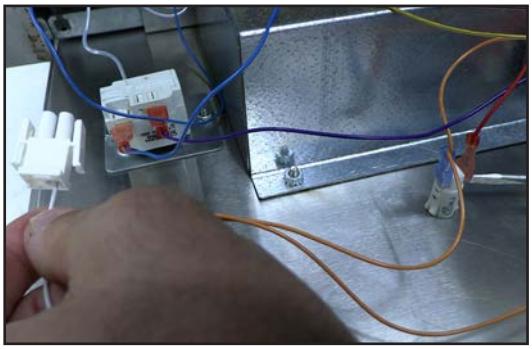


Fig.126

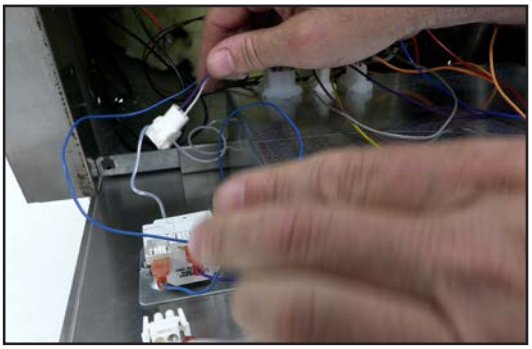


Fig.127

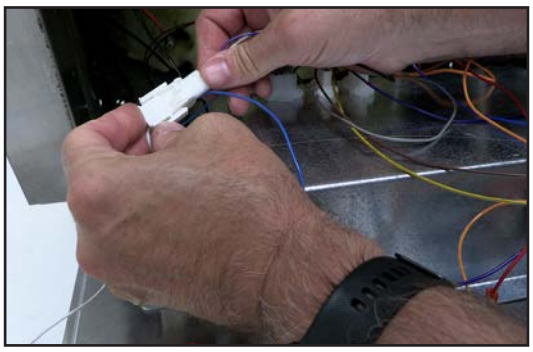


Fig.128

77. Locate the white 2-pin Molex connection coming from the high limit lamp and connect it to the white and purple 2-pin Molex coming from the 9-pin Molex connection. (Fig.126-128)

Control Board Assembly

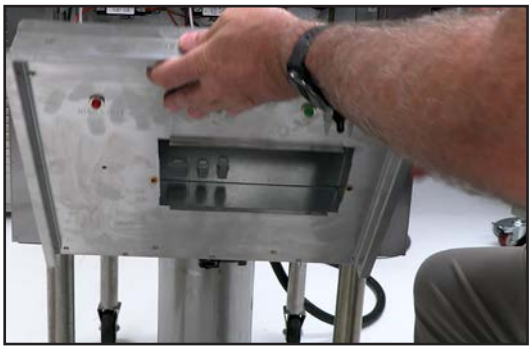


Fig.129

Fig.130

78. Raise the front escutcheon and secure with the four escutcheon screws. (Fig.129-130)

Fig.131

79. Locate the control board and control board bezel. (Fig.131)

Fig.132

Fig.133

80. The membrane insert can be changed at this time. Slide out the membrane card and insert a different one, if desired. (Fig.132-133)

Fig.134

81. Remove the protective film from the bezel. (Fig.134)

Fig.135

82. Connect the 9-pin Molex from the control board to the control board housing. (Fig.135)

Fig.136

83. Connect the 3-pin Molex from the control board to the control board housing. (Fig.136)

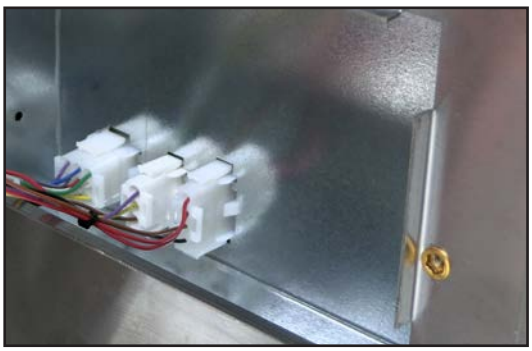


Fig.137

84. Connect the 4-pin Molex from the control board to the control board housing. (Fig.137)

Fig.138

Fig.139

85. Insert the control board into the housing. (Fig.138-139)

Fig.140

86. Place the bezel over the control board and secure it with the provided control board screws. (Fig.140)

Power Up & Test

Fig.141

87. Plug the unit into the correct voltage and power it on. (Fig.141)

Fig.142

88. The control should display the settings and then display "LO". The heat lamp will come on and off as the unit cycles. (Fig.142)

Fig.143

89. Before the unit heats up, place a container under the drain. (Fig.143)

Fig.144

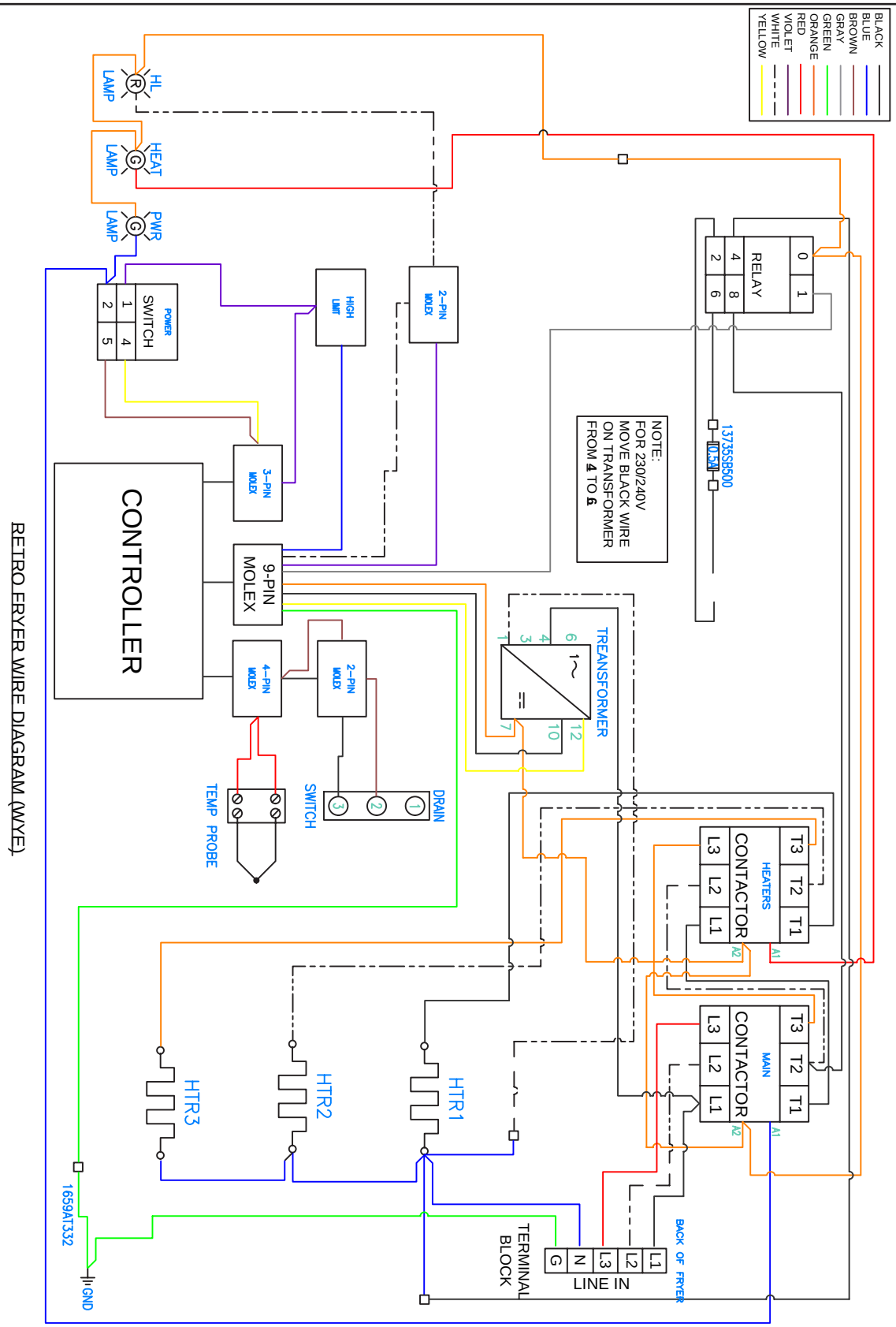
90. Slightly open the drain valve to ensure the drain alarm is functioning properly. (Fig.144)

Fig.145

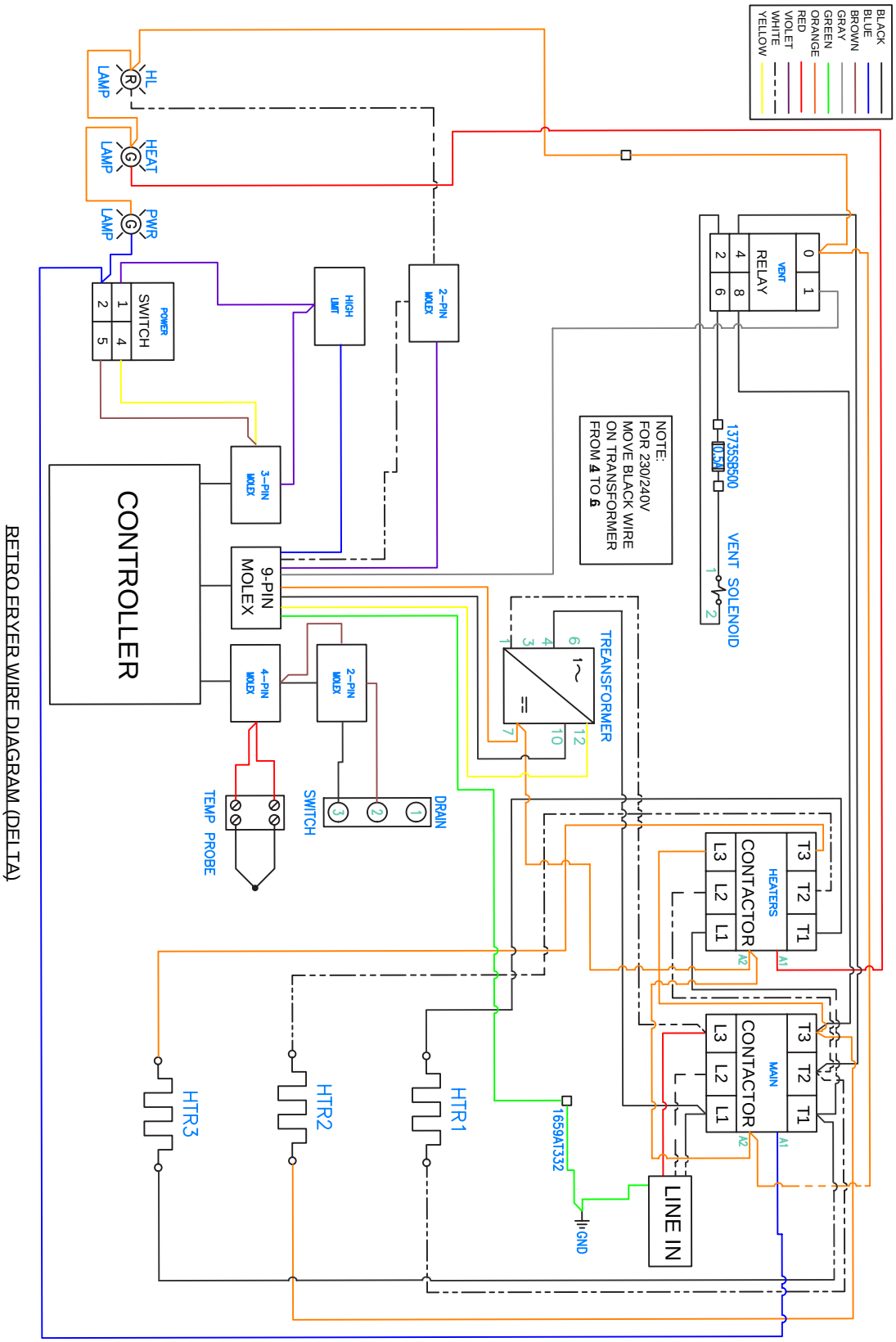
91. When the drain is opened, an alarm should sound, and "Drain Is Open" will be displayed. Quickly shut the valve. (Fig.145)

Fig.146

92. Shut the unit off to reset the alarm. (Fig.146)



For Winston service parts, accessories, and supplies online!
foodservice.winstonind.com/parts-supplies



For Winston service parts, accessories, and supplies online!
foodservice.winstonind.com/parts-supplies