

Instruction Sheet

Follow these instructions to replace the front frypot insulation in the Taco Bell FilterQuick Touch Gas fryers.

Tools Required:

- 3/32" Allen Wrench
- Wobble 3/8" extension for a Ratchet (15")
- O2 Sensor Socket
- 7/16" Wrench
- 5/8" Wrench
- 1/4" Socket Set
- 1/4" Nut Driver
- 1/4", 5/16", 7/16" for drill/driver

Subject: 8263805 Front Insulation Replacement Kit Instructions

Models affected: Taco Bell FilterQuick Touch Fryers (FQG30-T)

In This Kit

Part #	Description	Qty
8090360	SCREW, #8X3/8 TYP B	4
8090361	SCREW, DRILL #8X1/2	12
8090412	SCREW, #10-1/2	6
8090417	NUT, FLANGE 1/4-20	6
8090437	SCREW, #10X3/8	6
8090449	SCREW, #10X1/2 PHIL TRUSS HEAD	4
8140015	TY WRAP	6
8160057	GASKET, PLENUM CHAMBER	2
8160733	INSULATION, H30 FV UPPER FRONT	1
8160746	INSULATION, H30 FOAM DECK	1
8160978	INSULATION, GL30 FV OUTER FRONT	1
8161049	GASKET, PLENUM/BLOWER	1
2206529	COVER, GL30 FV UPPER INSULATION	1
8238575	COVER W/A, GL30 FV LOWER OUTER	1
8198041	TB INSULATION REPLACEMENT INST	1

1. Drain the oil from the affected frypot to the filter pan.
2. Disconnect power from the electrical power supply.
3. If a guard rail is installed, remove the acorn nuts, washer and plates on both ends of the guard (see Figure 1).
4. Slide one end of the guard up the rail at an angle until it can be removed (see Figure 2).
5. Remove the two Phillips head screws from the upper left and right corners of the controller (see Figure 3).
6. Slide the controller up to disengage it from the bezel (see Figure 4).

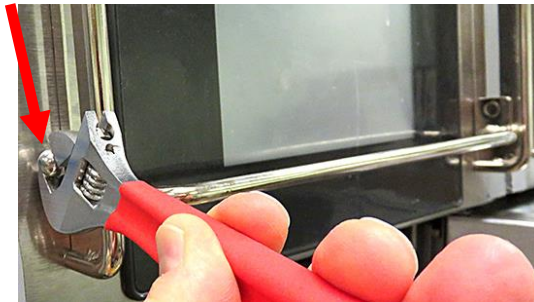


Figure 1



Figure 2

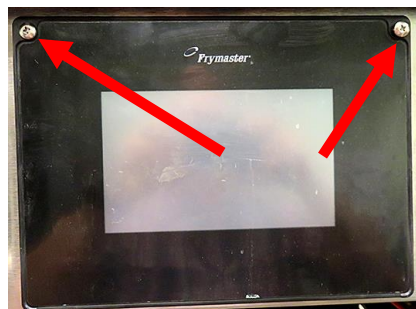


Figure 3

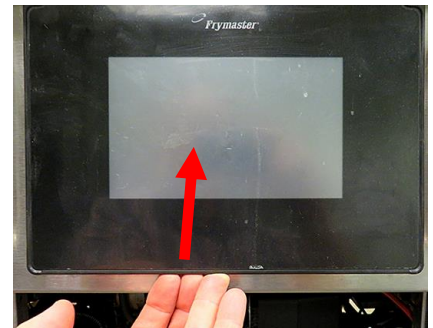


Figure 4

7. Lift the controller out from the bezel (see Figure 5).
8. Lower the controller and rest it on the bottom of the control box (see Figure 6). The black tether on the right will support the controller.
9. Disconnect the RJ45 cable from the SIB board **FIRST** (see Figures 6 and 7).

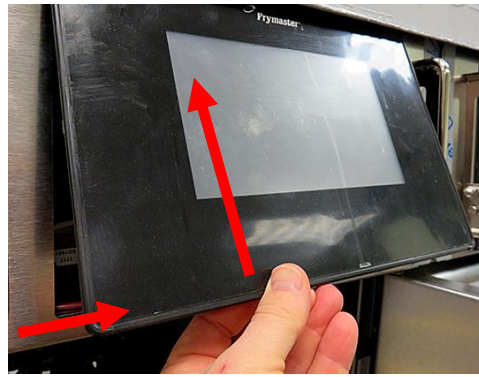


Figure 5

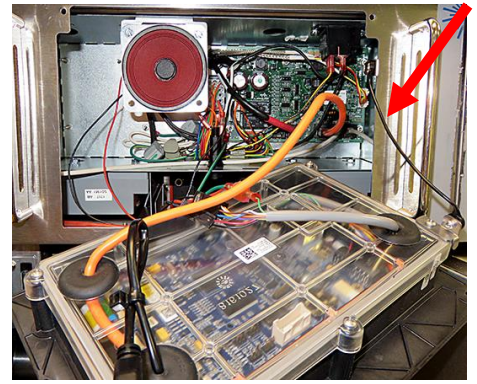


Figure 6

10. Disconnect the other cables from the connectors on the back of the controller marking their position for reassembly (see Figure 8).
11. Disconnect the lanyard tether (see Figure 9).
12. Remove the controller and set aside.
13. Remove the bezel by removing the two 5/16" screws on the bottom of the bezel (see Figure 10) and tilting the bezel up from the bottom and lowering towards the front of the fryer (see Figure 11).

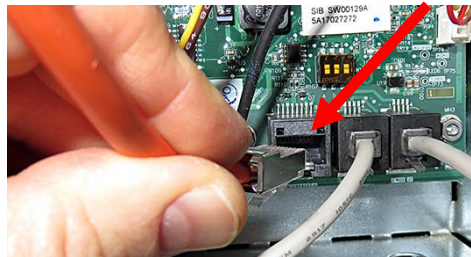


Figure 7

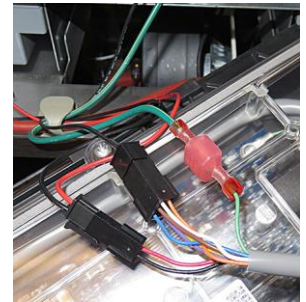


Figure 8

14. Open the doors of the fryer and locate the blower (see Figure 12).
15. Disconnect the two (2) wire blower wiring harness (see Figure 13).
16. Use a 7/16" driver with extension to remove the four (4) nuts attaching the blower (see Figure 14).



Figure 9

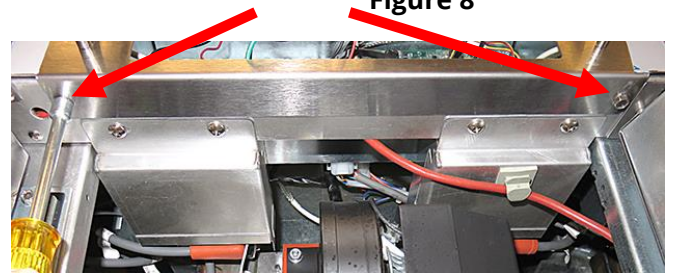


Figure 10

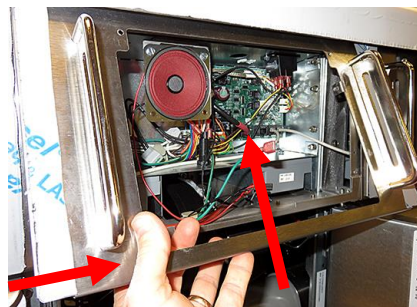


Figure 11

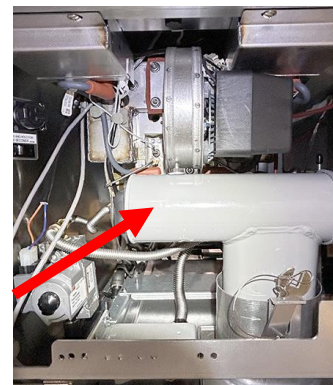


Figure 12

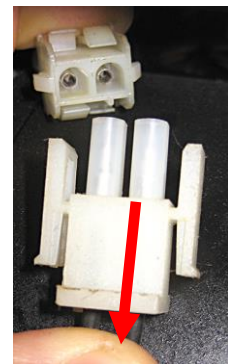


Figure 13

17. Remove the blower exposing the gasket (see Figure 15).

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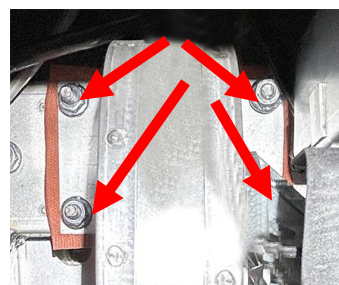


Figure 14

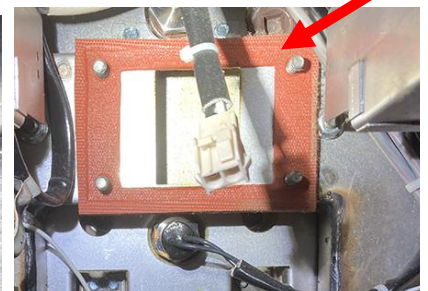


Figure 15

18. Remove USB port assembly (see Figure 16), if replacing insulation on the left fryer or the JIB reset switch assembly (see Figure 17), if replacing insulation on the right fryer.



Figure 16



Figure 17

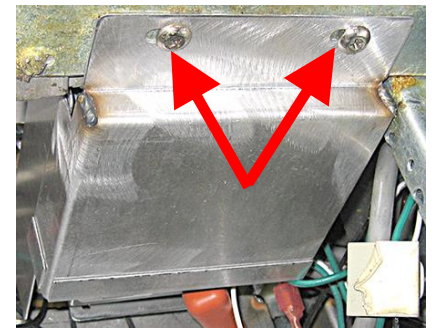


Figure 18

19. Remove the ignition module covers by removing the two (2) screws securing the cover (see Figure 18).

20. Remove the two screws attaching the ignition modules at the bottom of the control box (see Figure 19).

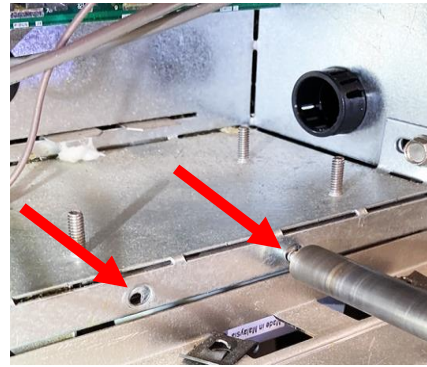


Figure 19

21. Slide the module towards the rear of the control box until it can be lowered.

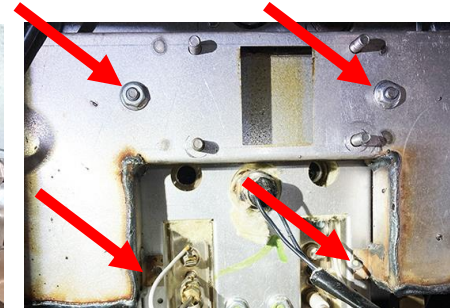


Figure 20

22. Disconnect the harnesses and cables from the modules and set aside.

23. Remove the plenum by removing the two (2) nuts and two (2) screws on lower tabs securing the plenum (see Figure 20).

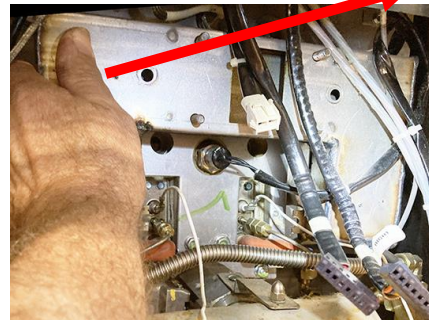


Figure 21

24. Remove the plenum by sliding towards the front of the fryer (see Figure 21).

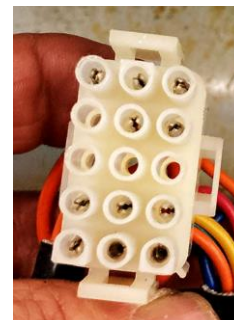


Figure 22

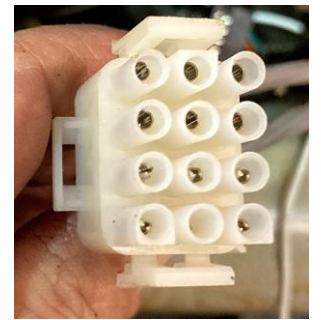


Figure 23

25. Reach up behind the component box and disconnect the 12-pin gray harness and 15-pin black harness from the rear of the component box (see Figures 22 & 23).

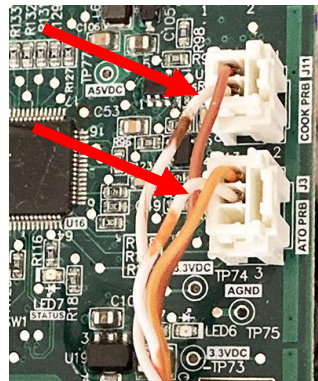


Figure 24

26. Carefully disconnect the 3-pin ATO and 2-pin cook probes from the SIB board (see Figure 24).



Figure 25



Figure 26

27. Pull the wires through the rear of the component box.

28. Remove the screws on both sides of the component box that attaching the component box (see Figure 25).

29. Gently lower the component box and out of the way exposing the probes on the front of the frypot (see Figure 26).

30. Remove the AIF probe (denoted by an "A") and the ATO probe (denoted by an "T") from the frypot (see Figure 27).
31. Gently pull the probe wires out of the component box and set probes aside (see Figure 28).

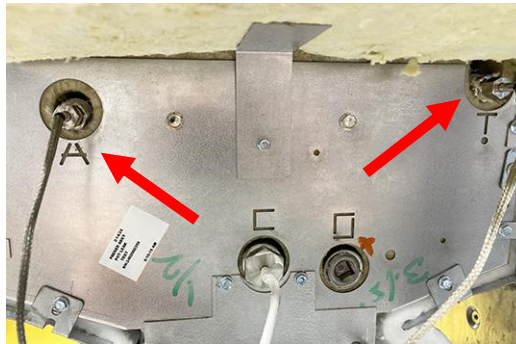


Figure 27



Figure 28

32. Remove the cook probe (denoted by an "C") using a O2 slotted socket or a 7/8" open end wrench (see Figure 29).

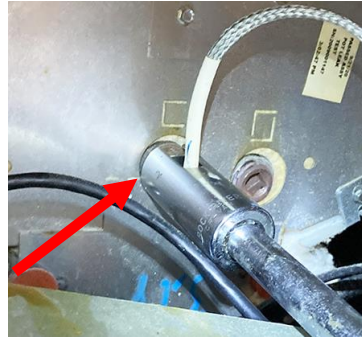


Figure 29

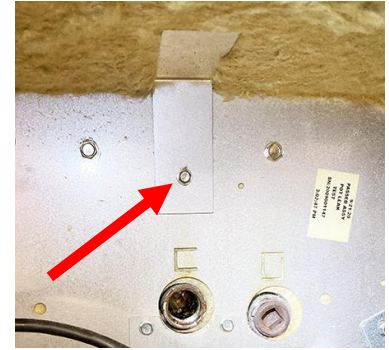


Figure 30

33. Remove the screw attaching the upper foam deck L-bracket insulation holder, directly above the cook probe port (see Figure 30).

34. Remove the screws attaching the heat shields and the upper frypot insulation holder (see Figure 31).

35. Remove the two (2) screws from the other side of the shield between the frypots and set shield aside (see Figure 32).

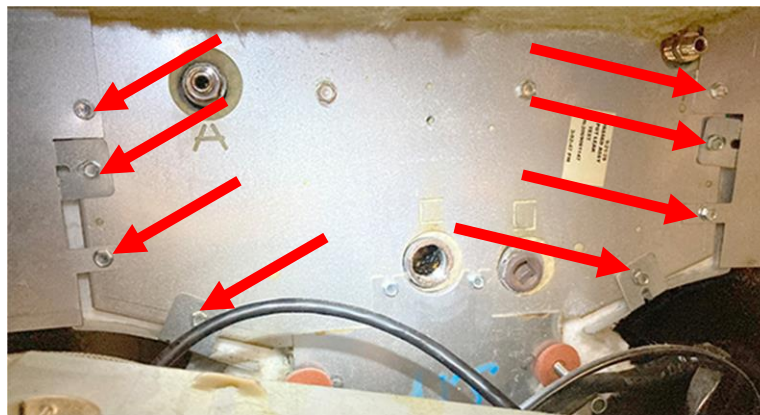


Figure 31

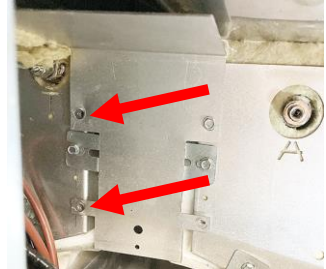


Figure 32

36. Remove the high voltage cables from the ignitors and set aside (see Figure 33).

37. Remove the upper two (2) screws off the bottom insulation cover (see Figure 34).



Figure 33

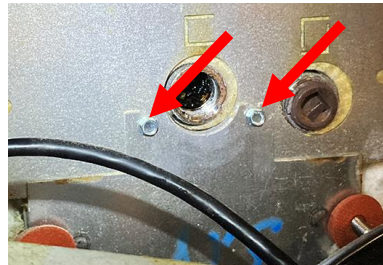


Figure 34

38. Remove the spacers and red washers from the shafts and set aside (see Figure 35).

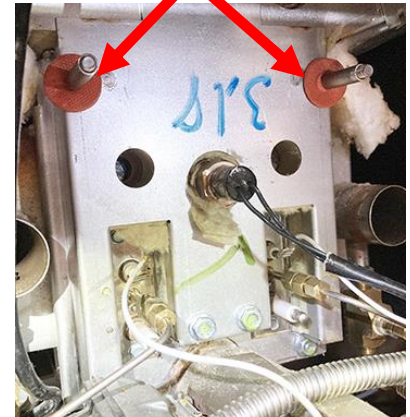


Figure 35

39. Disconnect the gas line from the left burner (see Figure 36) and slide out of way and under the drain.

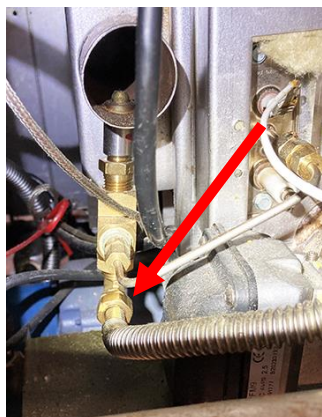


Figure 36

40. Loosen the two (2) 3/32" Allen screws on the actuator and slide the actuator off the drain valve (see Figure 37).

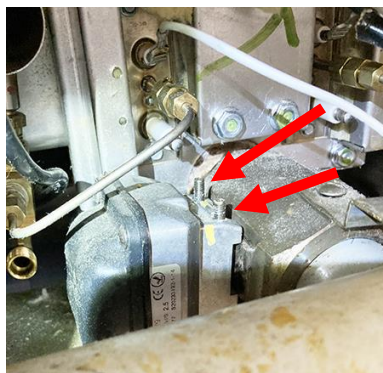


Figure 37



Figure 38

41. Remove the four (4) lower nuts off the lower insulation cover (see Figure 38).

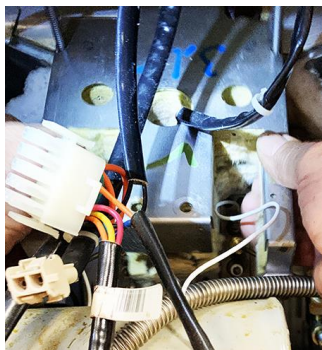


Figure 39

42. Gently lift up and slide the cover and insulation forward off the frypot (see Figure 39).



Figure 40

43. Separate and remove the insulation from the cover using a utility knife (see Figure 40).



Figure 41

44. Remove the two (2) center screws from the upper insulation retainer cover (see Figure 41).



Figure 42

45. Using a screwdriver bend out the four (4) tabs from the upper insulation retainer cover (see Figure 42 & 43).



Figure 43

46. Remove the upper insulation retainer cover (see Figure 44).



Figure 44

47. Remove the upper insulation from the frypot (see Figures 45 & 46). Remove any remaining pieces of insulation.

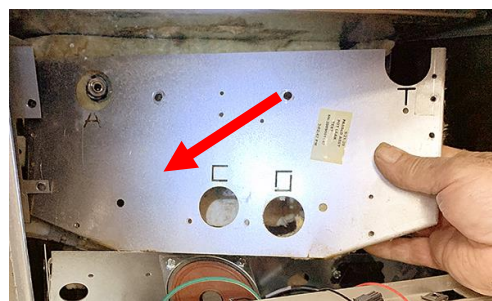


Figure 45



Figure 46

48. Carefully bend and straighten all the retaining tabs to ease reassembly (see Figure 47).
49. Place the new upper insulation against the new upper insulation retainer cover and carefully put into place (see Figure 48).
50. Attach the upper cover with the two (2) center screws first (see Figure 49).
51. Bend the tabs over the upper insulation cover and reattach the tabs to the cover using drill point screws (see Figure 50). **NOTE: It may be necessary to create new holes.**

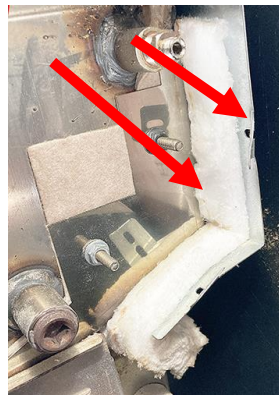


Figure 47



Figure 48

52. Reattach the heat shield between the frypots (see Figure 51).
53. Reattach the outer heat shield between the frypot and fryer side (see Figure 52).

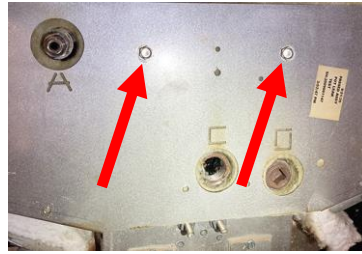


Figure 49

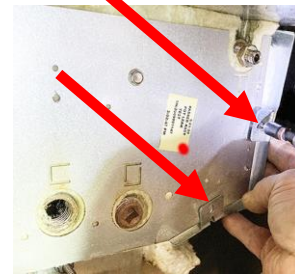


Figure 50



Figure 51

54. Insert the foam deck insulation that is supported with the heat shields (see Figure 53).
55. Attach the "L" bracket that supports the foam deck insulation (see Figure 54).



Figure 52



Figure 53

56. Reconnect the ATO probe in the port marked with a "T" (see Figure 55). Tighten compression fitting to 200-inch lbs.
57. Clean the threads and put a small amount of Loctite® sealant around the first several threads of the cook temperature probe (see Figure 56).

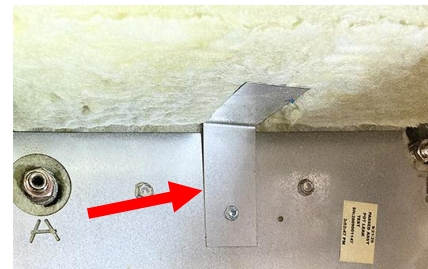


Figure 54



Figure 55

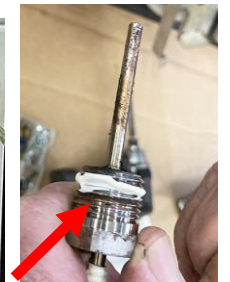


Figure 56

58. Reconnect the cook temperature probe in the port marked with a "C" and tighten (see Figure 57).
59. Reconnect the AIF probe in the port marked with a "A" (see Figure 58). Tighten compression fitting to 200-inch lbs.

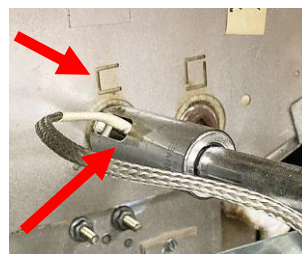


Figure 57

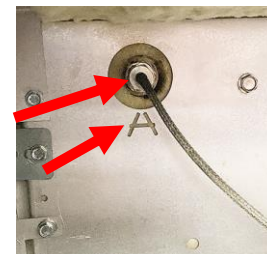


Figure 58

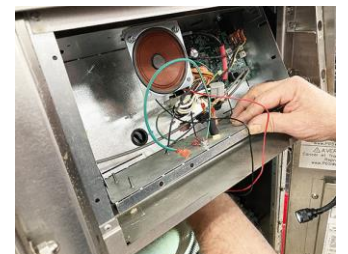


Figure 59

60. Move the component box back up into position but **DO NOT REATTACH** at this point (see Figure 59).

61. Carefully push out the unnecessary parts of the lower insulation (see Figure 60).



Figure 60

62. Using a boxcutter or knife, cut a slit between the inner circle to the opening as shown (see Figure 61).



Figure 61

63. Lay the insulation over the lower insulation cover and slide the temperature probe harness through the slit in the insulation (see Figure 62).

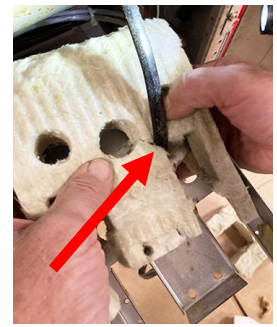


Figure 62

64. Carefully place the lower insulation cover back into place on the frypot. Secure into place by attaching one of the lower nuts to hold in place (see Figure 63).



Figure 63

65. Secure the lower cover with the two (2) upper screws (see Figure 65).



Figure 64

66. Attach and tighten all four (4) lower nuts (see Figure 66).



Figure 65

67. Insert temperature probe and ATO probe harnesses into the rear of the component box as shown (see Figure 67).

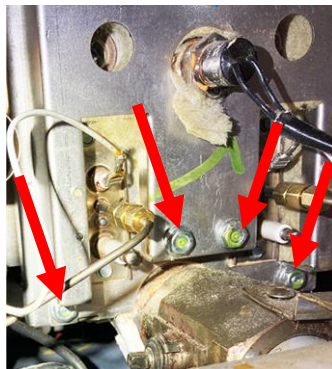


Figure 66

68. Reattach the component box using four (4) screws on the left and right sides of the box (see Figure 68).

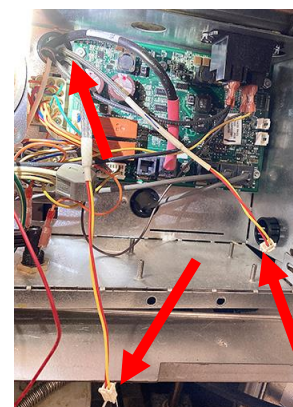


Figure 67

69. Reconnect the ATO and COOK probes to the SIB board (see Figure 69).

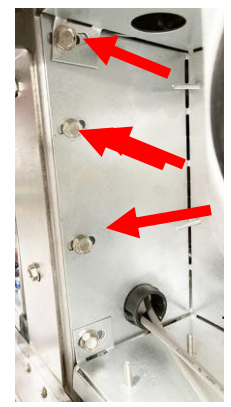


Figure 68

70. Reattach the actuator to the drain valve (see Figure 70).

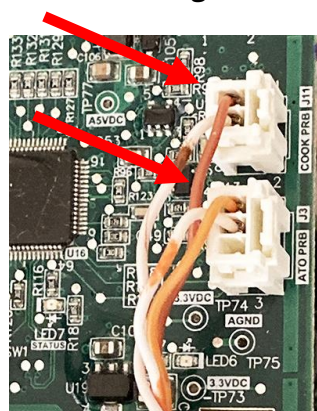


Figure 69

71. Reattach the gas line from the left burner (see Figure 71).
Continued on the next page.

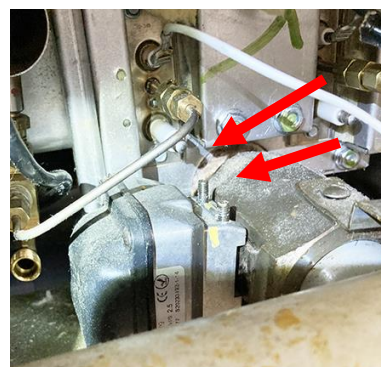


Figure 70

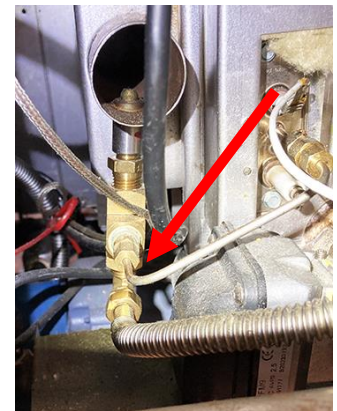


Figure 71

72. Slide the plenum gaskets and spacers over the upper shafts (see Figure 72).
73. Reattach the plenum with the two outer nuts and lower tab screws (see Figure 73).

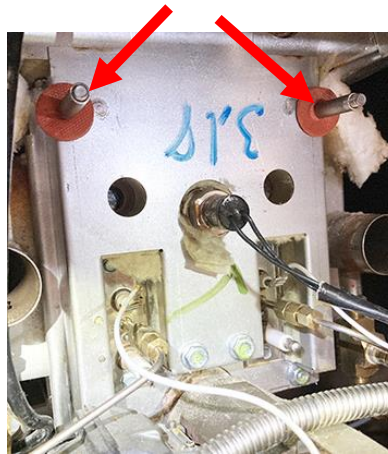


Figure 72

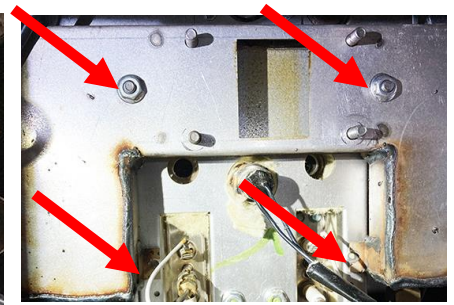


Figure 73

74. Reattach the black main 15-pin harness to the top plug on the rear of the component box. Pin 1 (denoted by the tab) is in the lower right corner (see Figure 74).

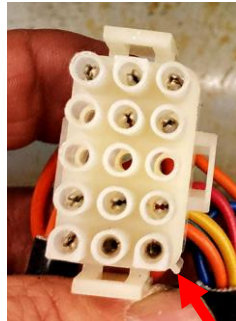


Figure 74

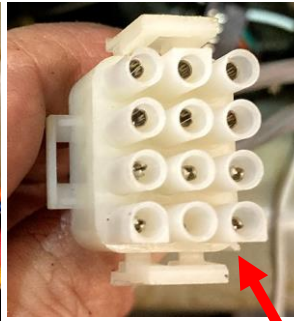


Figure 75

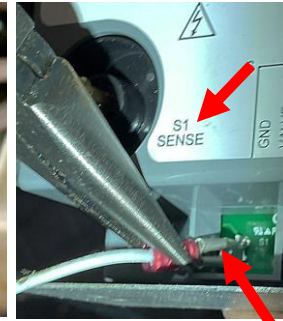


Figure 76



Figure 77

75. Reattach the gray 12-pin harness to the bottom plug on the rear of the component box. Pin 1 (denoted by the tab) is in the lower right corner (see Figure 75).

76. Attach the white sense wire to the S1 Sense location on the modules first (see Figure 76). The black connector attaches with the groove towards the module (see Figure 77)

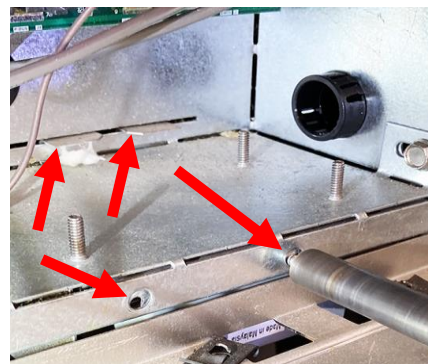


Figure 78



Figure 79

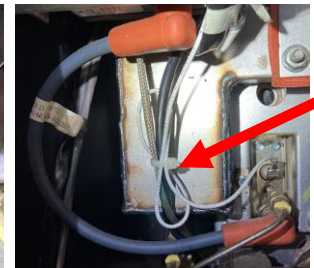


Figure 80

77. Slide the module bracket through the slots on the rear of the component box (see Figure 78). Attach the module bracket with the two (2) small drill screws **WITHOUT POINTS**.

78. Attach the high voltage cables to the module and ignitor (see Figure 79).

79. Use zip ties to secure the wires (see Figure 80).

80. Reattach module covers (see Figure 81).

81. Ensure all wiring is out of the way of the blower mount and install the blower gasket (see Figure 82).

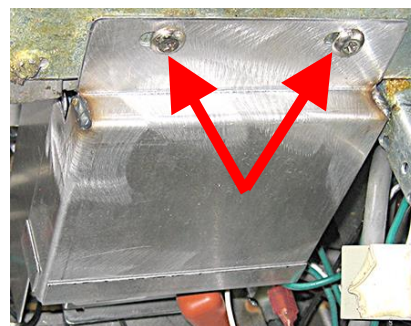


Figure 81

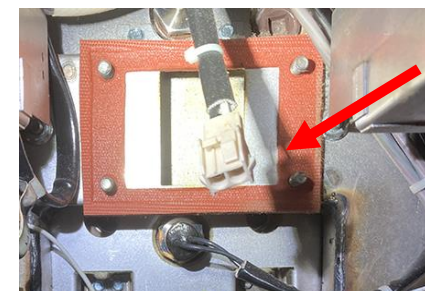


Figure 82

82. Reattach the blower using the four (4) nuts (see Figure 83).

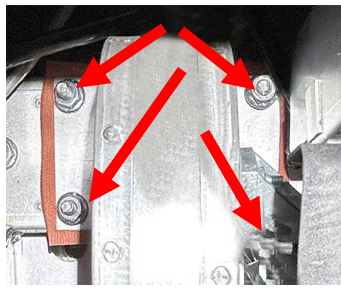


Figure 83

83. Reconnect the two (2) wire blower wiring harness (see Figure 84).

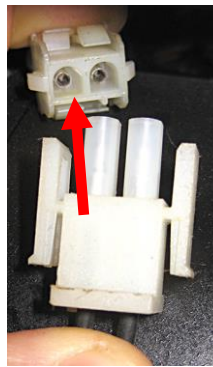


Figure 84



Figure 85



Figure 86

84. Reattach the USB port assembly if removed on the left side (see Figure 85), or the JIB reset switch assembly (see Figure 86), if removed from the right side.

85. Reattach the controller bezel using two (2) screws on the bottom (see Figure 87).

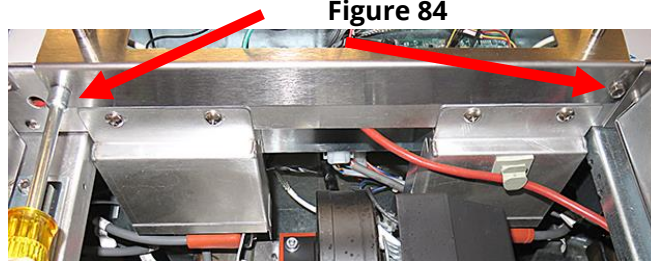


Figure 87

86. Reconnect the controller lanyard **FIRST** (see Figure 88).

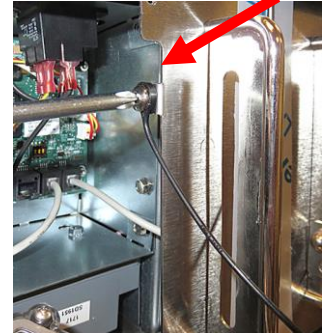


Figure 88

87. Reconnect the controller ground, speaker, vat ID cables (see Figure 89).

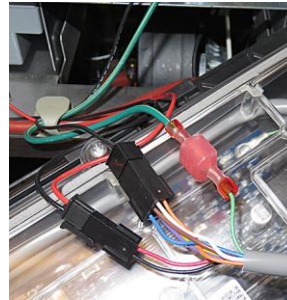


Figure 89

88. Reconnect the RJ controller power cable to the SIB board (see Figure 90).

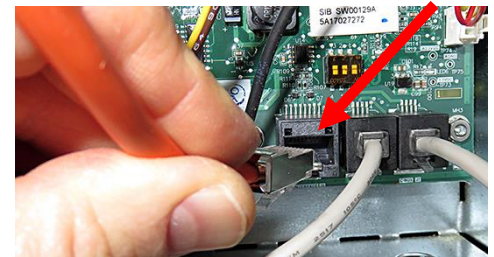


Figure 90

89. Reconnect the power supply prior to reattaching the controller to ensure ALL the LED's on the SIB power up and the controller powers up (see Figure 91).



Figure 91

90. Reattach the controller to the bezel using the two (2) screws (see Figure 92).

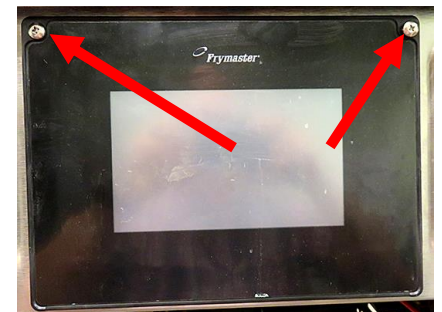


Figure 92

91. Reattach the guard rails removed in steps 3 & 4 (see Figure 93).

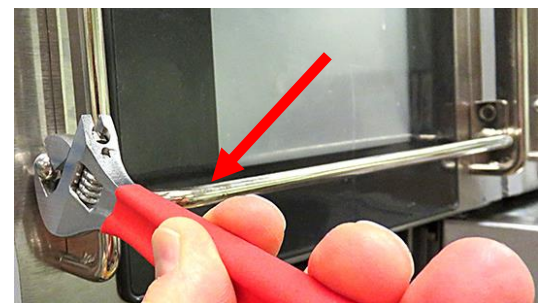


Figure 93