FRYMASTER
8700 LINE AVENUE, SHREVEPORT, LA 71106

318-865-1711
800-551-8633
WWW.FRYMASTER.COM
EMAIL: FRYSERVICE@FRYMASTER.COM

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 Rachet (15")**
- **O2 Sensor Socket**
- **7/16" Wrench**
- **5/8" Wrench**
- **¼" Socket Set**
- **¼" Nut Driver**
- **¼", 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 REPLACMENT 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).
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).
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).
17. Remove the blower exposing the gasket (see Figure 15).
    Remove the gasket (see Figure 15).
    Continued on the next page.


Figure 5


Figure 6


Figure 7


Figure 8


Figure 9

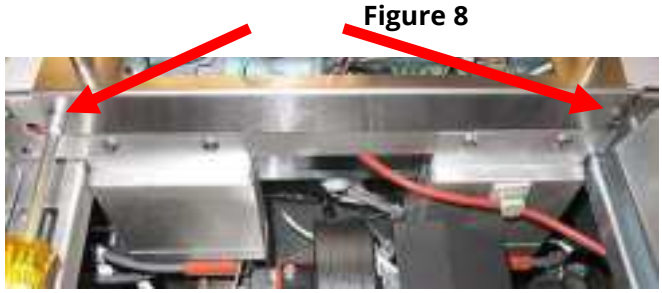


Figure 10


Figure 11


Figure 12


Figure 13


Figure 14

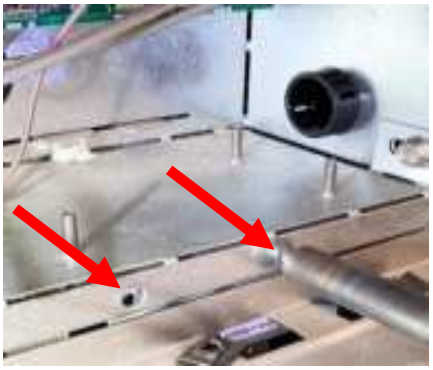

Figure 15

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.
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).
21. Slide the module towards the rear of the control box until it can be lowered.
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).
24. Remove the plenum by sliding towards the front of the fryer (see Figure 21).
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).
26. Carefully disconnect the 3-pin ATO and 2-pin cook probes from the SIB board (see Figure 24).
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 down and out of the way exposing the probes on the front of the frypot (see Figure 26).


Figure 16


Figure 17


Figure 18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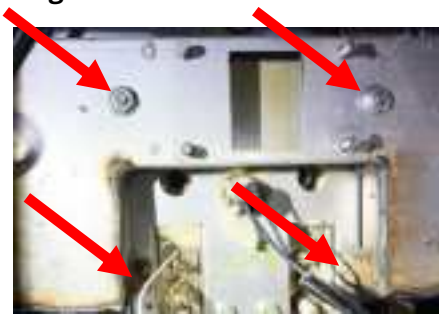
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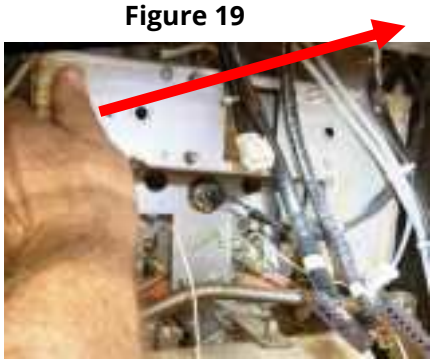
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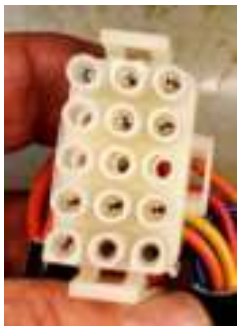


Figure 22


Figure 23


Figure 24


Figure 25


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).
32. Remove the cook probe (denoted by an "**C**") using a O2 slotted socket or a 7/8" open end wrench (see Figure 29).
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).
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).
38. Remove the spacers and red washers from the shafts and set aside (see Figure 35).

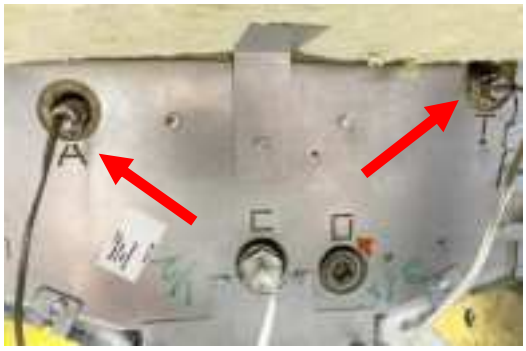
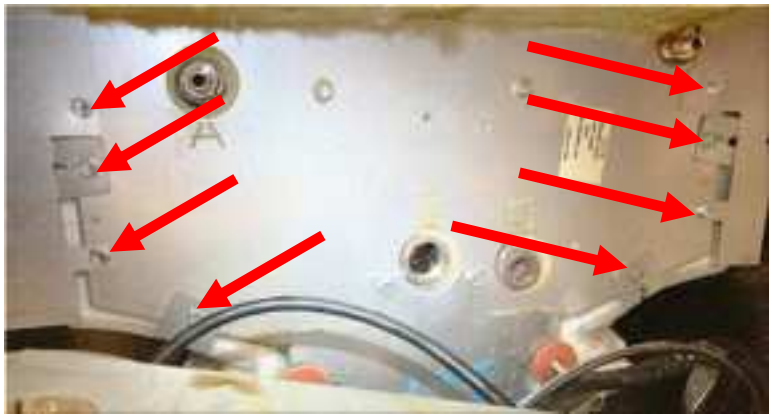


Figure 27


Figure 28


Figure 29


Figure 30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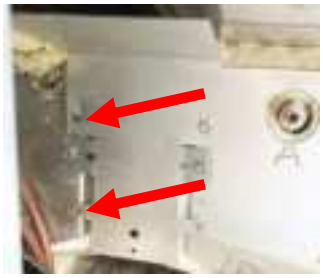
Figure 32


Figure 33

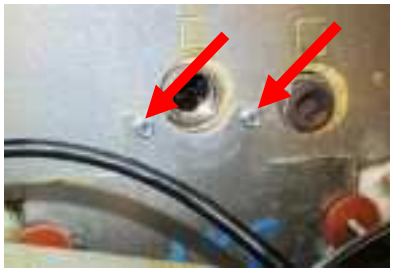
Figure 34


Figure 35

39. Disconnect the gas line from the left burner (see Figure 36) and slide out of way and under the drain.
40. Loosen the two (2) 3/32" Allen screws on the actuator and slide the actuator off the drain valve (see Figure 37).
41. Remove the four (4) lower nuts off the lower insulation cover (see Figure 38).
42. Gently lift up and slide the cover and insulation forward off the frypot (see Figure 39).
43. Separate and remove the insulation from the cover using a utility knife (see Figure 40).
44. Remove the two (2) center screws from the upper insulation retainer cover (see Figure 41).
45. Using a screwdriver bend out the four (4) tabs from the upper insulation retainer cover (see Figure 42 & 43).
46. Remove the upper insulation retainer cover (see Figure 44).
47. Remove the upper insulation from the frypot (see Figures 45 & 46). Remove any remaining pieces of insulation.

Figure 36

Figure 37

Figure 38

Figure 39

Figure 40

Figure 41

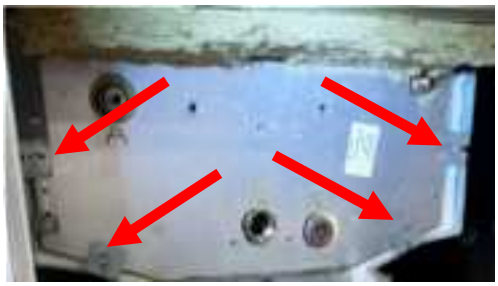

Figure 42

Figure 43

Figure 44

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


Figure 47


Figure 48


Figure 51


Figure 49

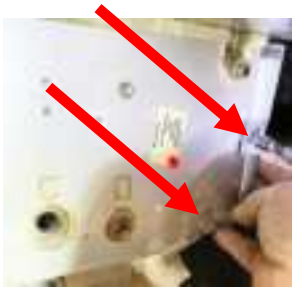
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Figure 52


Figure 53


Figure 54


Figure 55


Figure 56


Figure 57

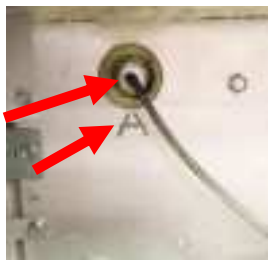


Figure 58


Figure 59

61. Carefully push out the unnecessary parts of the lower insulation (see Figure 60).
62. Using a boxcutter or knife, cut a slit between the inner circle to the opening as shown (see 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).
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).
65. Secure the lower cover with the two (2) upper screws (see Figure 65).
66. Attach and tighten all four (4) lower nuts (see Figure 66).
67. Insert temperature probe and ATO probe harnesses into the rear of the component box as shown (see Figure 67).
68. Reattach the component box using four (4) screws on the left and right sides of the box (see Figure 68).
69. Reconnect the ATO and COOK probes to the SIB board (see Figure 69).
70. Reattach the actuator to the drain valve (see Figure 70).
71. Reattach the gas line from the left burner (see Figure 71). **Continued on the next page.**


Figure 60


Figure 61


Figure 62


Figure 63


Figure 64


Figure 65


Figure 66


Figure 67


Figure 68

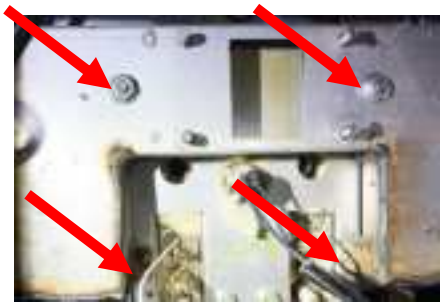

Figure 69


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).
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).
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)
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 72



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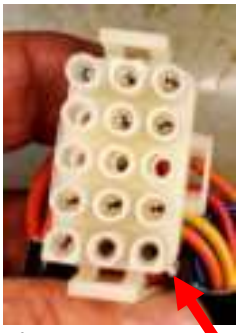

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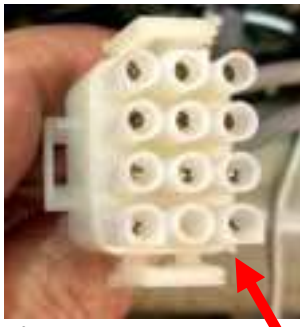

Figure 75

Figure 76

Figure 77

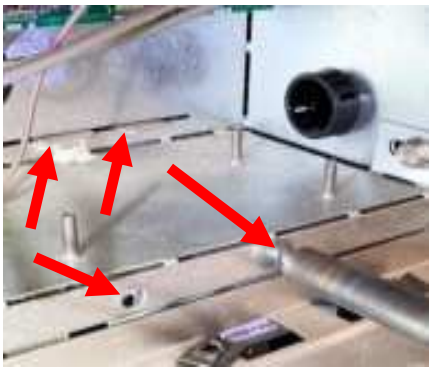

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Figure 79

Figure 80

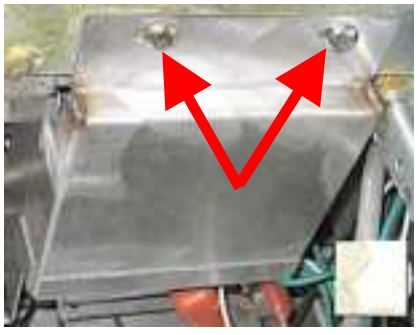

Figure 81

Figure 82

82. Reattach the blower using the four (4) nuts (see Figure 83).
83. Reconnect the two (2) wire blower wiring harness (see Figure 84).
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).
86. Reconnect the controller lanyard **FIRST** (see Figure 88).
87. Reconnect the controller ground, speaker, vat ID cables (see Figure 89).
88. Reconnect the RJ controller power cable to the SIB board (see 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).
90. Reattach the controller to the bezel using the two (2) screws (see Figure 92).
91. Reattach the guard rails removed in steps 3 & 4 (see Figure 93).

Figure 83

Figure 84

Figure 85

Figure 86

Figure 87

Figure 88

Figure 89

Figure 90

Figure 91

Figure 92

Figure 93