

# Instruction Sheet

Follow these instructions to install Bulk **DISPOSE ONLY** Kits in FQ Touch fryers with serial # beginning with **1906 or higher**

**Subject: 8263689 Waste Bulk Oil Kit Installation Instructions (Gas)**

**Models affected: FilterQuick Touch FQG30-T Gas Fryers with serial # beginning with 1906 or higher.**

01/03/2023

1. Disconnect power and gas from the fryer.
2. Remove the fryer from the hood to gain access to the rear of the fryer.
3. Remove the left door by pushing up on the lower hinge pin, with a screwdriver or similar object until the door can be removed (see Figure 1).
4. Remove the lower back by removing the eight (8) screws (see Figure 2)
5. Loosen the three (3) screws on the front of the left side (see Figure 3).
6. Loosen the screw from the center bottom of the left side (see Figure 4).
7. Loosen the four (4) screws on the upper rear back (see Figure 5).



Figure 1

| In This Kit |                                 |     |
|-------------|---------------------------------|-----|
| Part #      | Description                     | Qty |
| 1080686     | HANDLE & LOCK ASSY, GAS LOV RTI | 1   |
| 1088335     | PLUMBING, BULK DISPOSE 30LB     | 1   |
| 1088450     | DISPOSE ASSY, BULK OIL 30#      | 1   |
| 8090823     | NUT, NYLOCK, 1/4-20             | 4   |
| 8022609     | TAG, DISPOSE RTI                | 1   |
| 8140015     | TY WRAP                         | 8   |
| 8101055     | FLEXLINE, 5/8" X 11.50" LONG    | 1   |
| 1085398     | HARNESS, UNIVERSAL BULK OIL     | 1   |
| 8090821     | BOLT, 1/4-20 X 3/4 HX HEAD      | 3   |
| 8090412     | SCRW, #10-1/2 HX WSHR HD N      | 6   |
| 8197974     | INSTRUCTIONS                    | 1   |

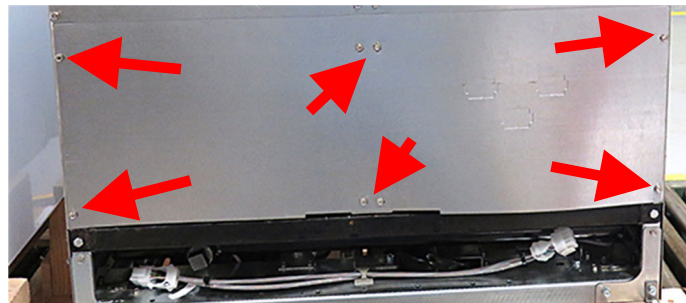


Figure 2



Figure 4



Figure 5

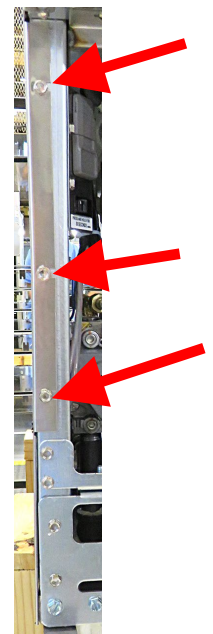
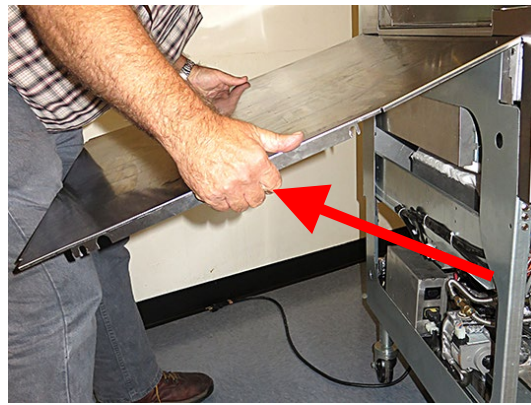
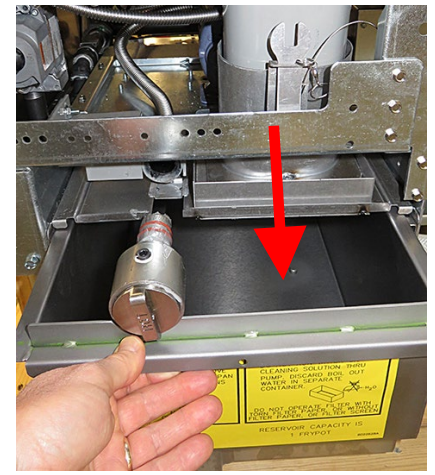


Figure 3

8. Lift upward on the side to remove (see Figure 6).
9. Remove the filter pan (see Figure 7).
10. Remove the filter pan lid by lifting up on the collar, around the drain tube, while pulling on the filter pan lid (see Figure 8)

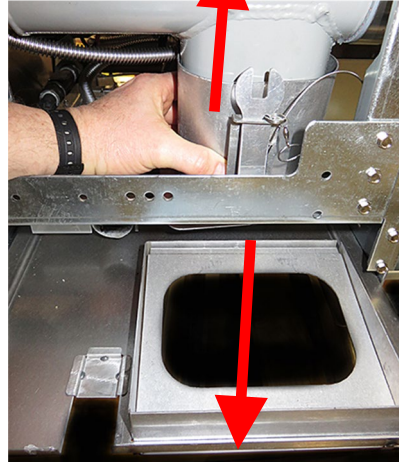


**Figure 6**

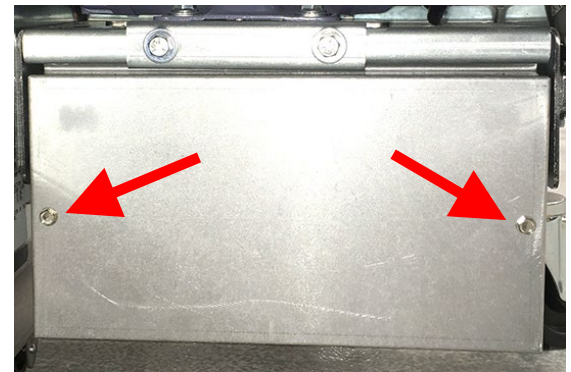


**Figure 7**

11. Remove the JIB and behind the JIB, remove the two (2) screws attaching the FIB cover (see Figure 9).

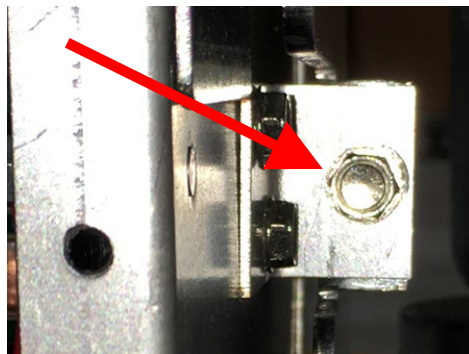


**Figure 8**



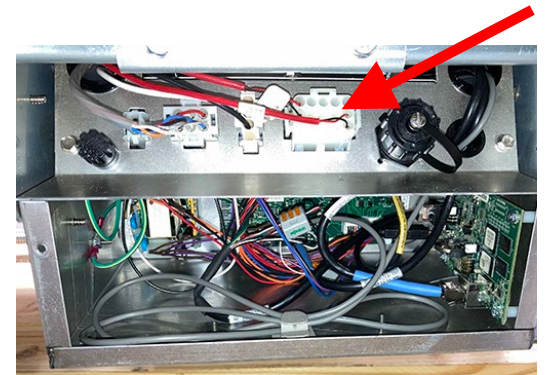
**Figure 9**

12. On the left and right sides of the FIB box are brackets attaching the FIB box. Remove the two (2) screws attaching the FIB box (see Figure 10).



**Figure 10**

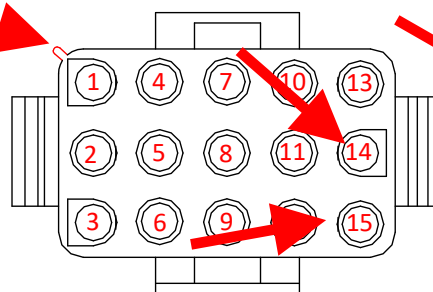
13. Pull the FIB box slightly forward and slightly lower to gain better access to the connectors (see Figure 11).



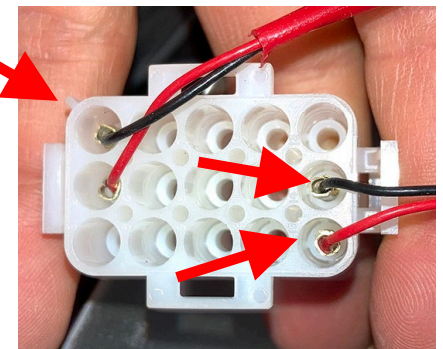
**Figure 11**

14. Disconnect the 15-pin connector from the front of the FIB box (see arrow in Figure 11).

15. Using a pin pusher, push pins 14 and 15 from the connector disconnected in step 14 (see Figures 12, 13 and 14). Pin 1 is denoted by the rib in top left corner (see Figures 12 and 13).



**Figure 12**



**Figure 13**

16. Using a pin pusher, push pins 14 and 15 from the **NEW** 15-pin connector attached to the 1088450 dispose assembly (see Figures 12, 14 and 15). Pin 1 is denoted by the rib in top left corner (see Figures 12 and 15). Discard the harness with the two (2) pushed pins and spade connectors.

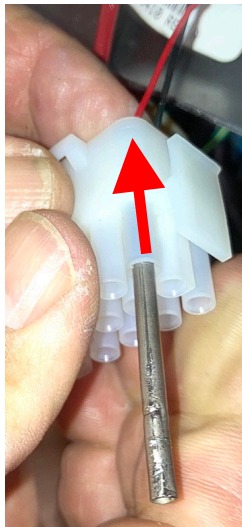


Figure 14

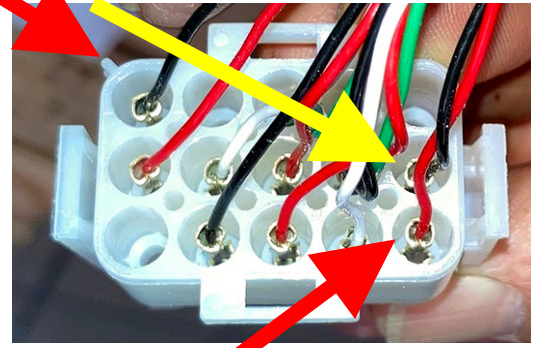


Figure 15

17. Disconnect the 2-wire pan switch connector in the rear of the fryer (see Figure 16).

18. Gently pull the existing 15-pin harness with the 2-wire pan switch 15 and 16 through the Heyco bushing in the front of the FIB box (see Figures 17 and 18) and discard the harness.

19. Disconnect the 9-pin bulkhead connector from the 1088450 dispose assembly (see Figure 19).

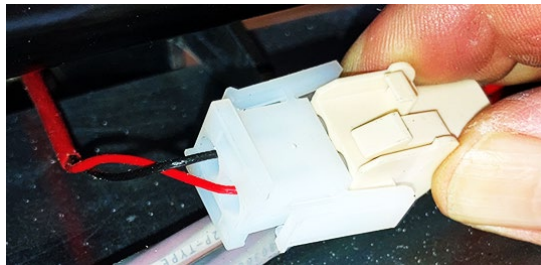


Figure 16



Figure 17

20. Locate the **2-pin connector at the opposite end of the 9-pin bulkhead connector,** removed in the previous step.

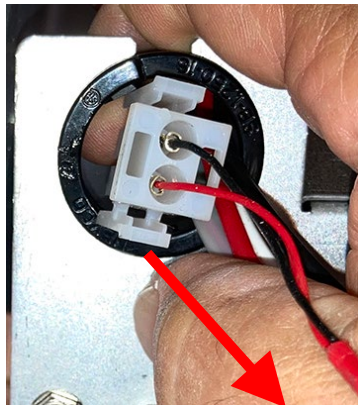


Figure 18

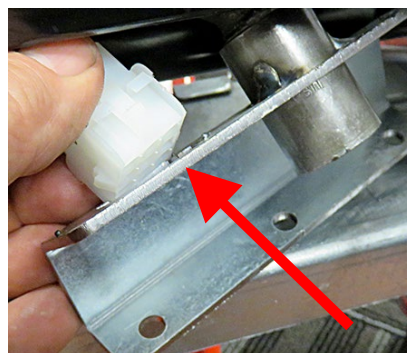


Figure 19

Secure the 15-pin and the 2-pin connector together (see Figure 20).

21. Remove the black split Heyco bushing from the top left corner of the FIB box (see Figure 21)

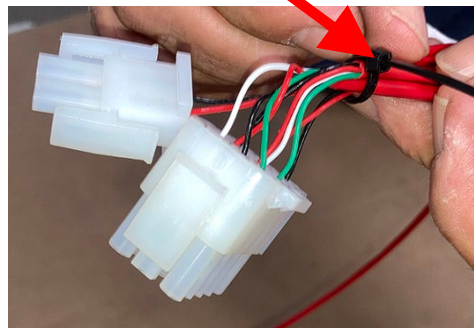


Figure 20



Figure 21

22. Insert the 9-pin connector end of the new harness through the slot, where the split Heyco bushing was removed (see Figure 22).

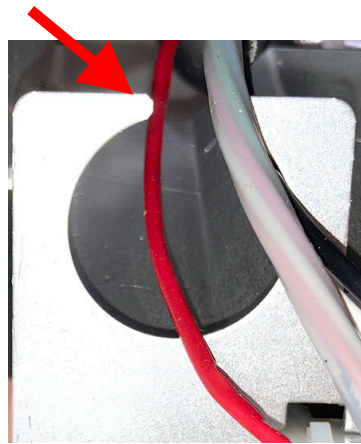


Figure 22

23. Continue guiding the 9-pin connector through the large Heyco bushing in the upper left corner, above and behind the FIB box (see Figures 23 and 24).

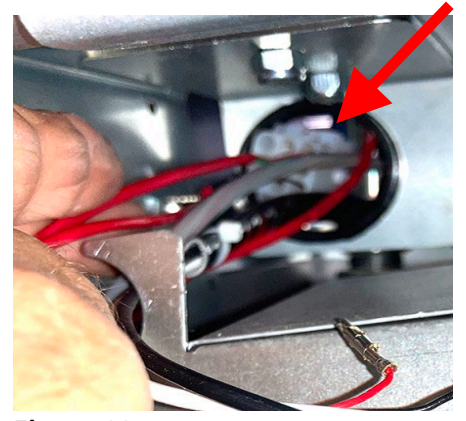


Figure 23

24. Guide the the four (4) dispose valve spade connectors, at the other end of the 15-pin connector, through the slot where the split Heyco bushing was removed, and through the large Heyco bushing in the upper left corner, above and behind the FIB box (see Figures 25 and 26).

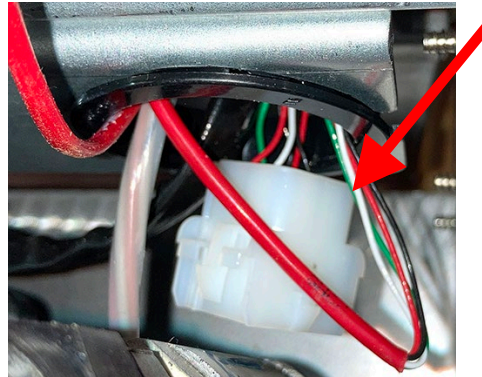


Figure 24

25. Pull both the 9-pin connector and four (4) dispose valve spade connectors through the large Heyco bushing on the rear of the FIB box (see Figure 27).

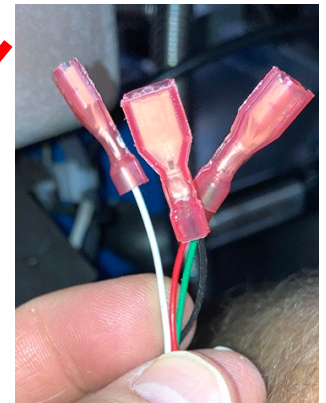


Figure 25

26. Route the 2-pin pan switch connector connected to pins 1 and 2 of the 15-pin connector, through the slot where the split Heyco bushing was removed, and through the large Heyco bushing in the upper left corner, above and behind the FIB box (see Figure 28).

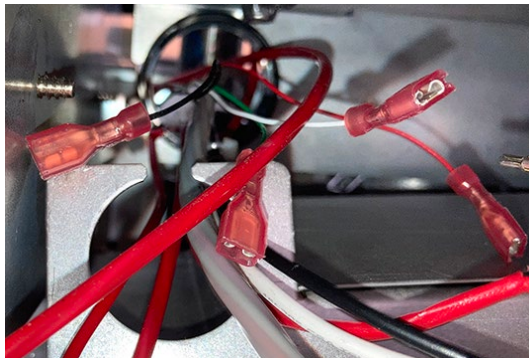


Figure 26

27. Insert the red and black wires removed in step 15, into pin positions 14 and 15, of the new harness 15-pin connector (see Figures 12 and 15). After inserting pins, gently tug to ensure pins are locked into the connector.

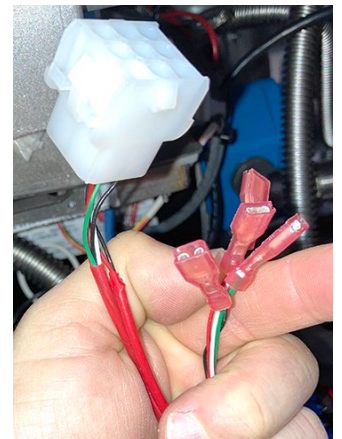


Figure 27

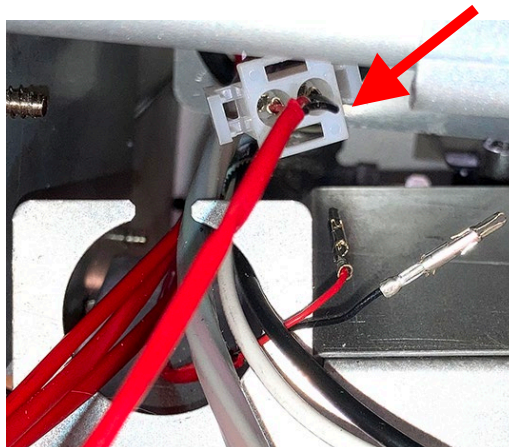


Figure 28

28. Ensure all the wires are in the slotted hole and slip the Heyco split bushing around the wires and snap back into place (see Figures 29 and 30).
29. Connect both the 2-pin harness connector and the 15-pin harness connector that were secured in step 20, to the available connectors on the front of the FIB box. Ensure both are securely connected (see Figure 31)
30. Attach the 2-pin pan switch connector from step 26 to the pan switch in the rear of the fryer (see Figure 32).

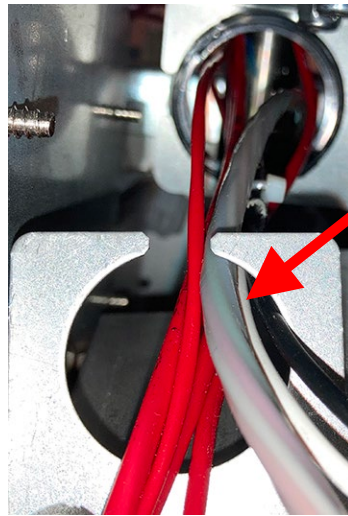


Figure 29

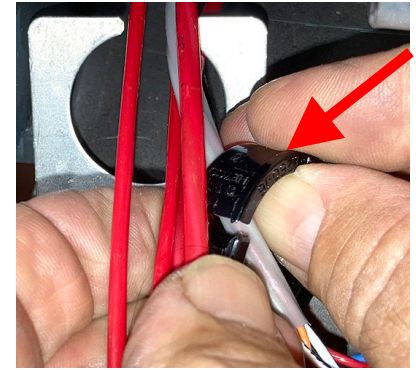


Figure 30

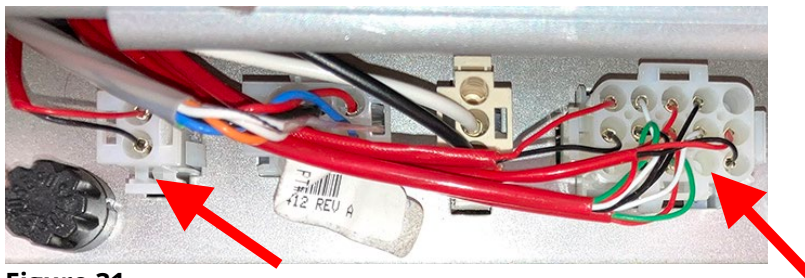


Figure 31

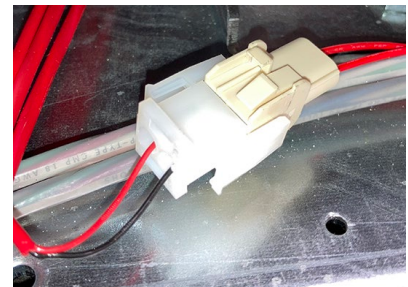


Figure 32

31. Insert the dispose valve assembly through the left side of the fryer (see Figure 33). **Note: #1 flexline will be attached later.** Align the dispose valve assembly bracket with the studs inside the fryer. Do not attach the assembly yet.

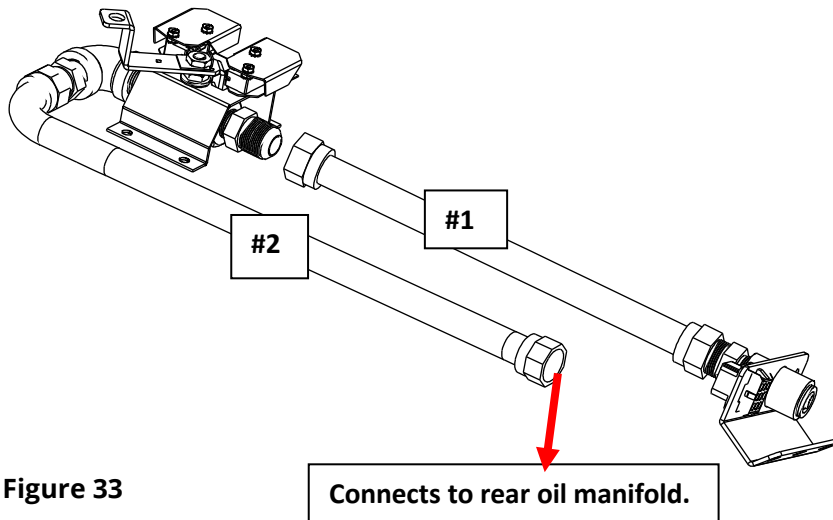


Figure 33

Connects to rear oil manifold.

32. Route the harnesses of 9-pin connector and four (4) dispose valve spade connectors from step 25 between the oil return manifold and the frame above the transformer box towards the left side of the fryer to the dispose valve assembly. Ensure the wires are out of the path of the filter pan.

33. Facing the spade connectors on the side of the dispose valve assembly, attach the four (4) spade dispose valve connectors, from the previous step, to the dispose valve plumbing assembly. Beginning with the switch on the left, attach the white wire to the farthest left connector; next attach the black wire, to the connector directly to the right of the the white. On the right switch, attach the green wire to the farthest right connector; attach the red wire to the connector directly to the left of the the green wire (see Figure 34).

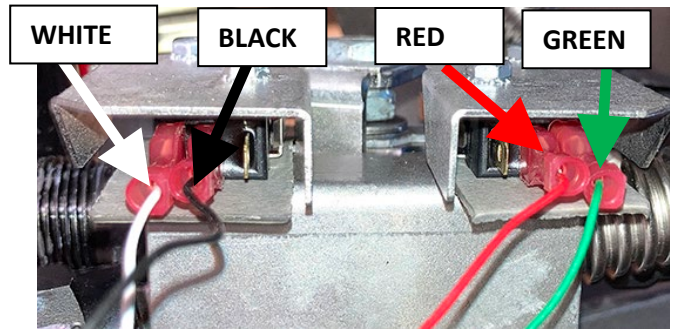


Figure 34

34. Using a 7/16" wrench, loosely attach the dispose valve switch assembly to **ALL three (3) studs on the filter pump mounting plate** using three (3) – 1/4"-20 nylock nuts (see Figure 35). **Ensure ALL THREE (3) nuts are ATTACHED to prevent movement and bending of the switch assembly during disposal.**

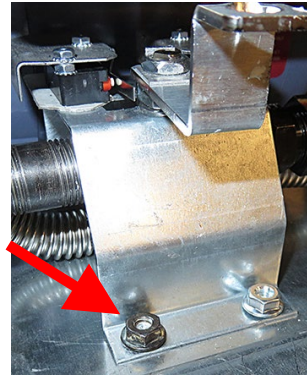


Figure 35



Figure 36

35. Using a 1-1/16" wrench, remove the cap from the oil return assembly closest to the dispose valve assembly (see Figure 36). **NOTE: Oil will drain from the manifold.**

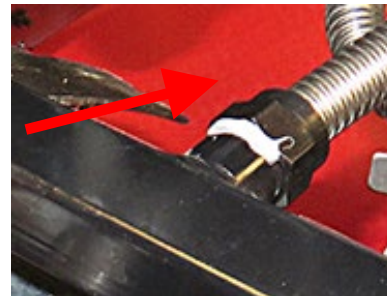


Figure 37

36. Using Figure 33 on the previous page as a guide, route and connect the flexline #2 to the open oil return port from the previous step (see Figure 37).

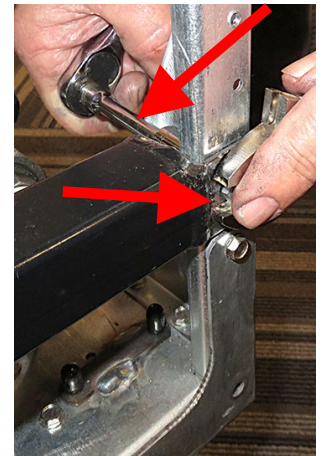


Figure 38

37. Remove the bolt and nut, attaching the return oil manifold to the left cabinet frame, as viewed from the front of the fryer (see Figure 38).

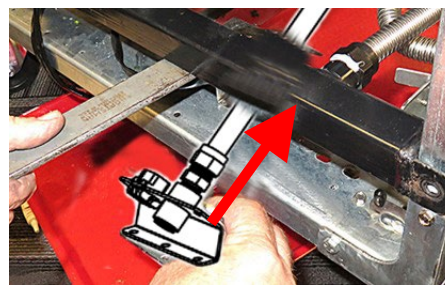


Figure 39

38. Using a prybar, lift the oil manifold up slightly to allow the oil dispose outlet assembly 1088450 to slide in between the gas and oil manifolds (see Figure 39).

39. Attach the flex line from the 1088450 rear dispose assy to the rear of dispose valve assy (see Figure 40).

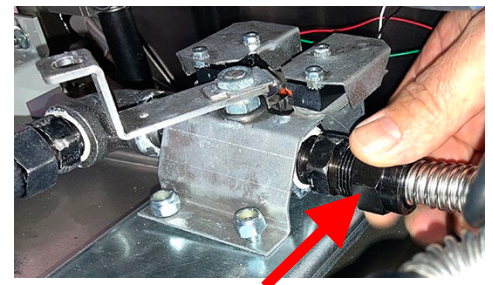


Figure 40

- 40. Replace the bolt and nut removed in step 37 (see Figure 38).
- 41. Re-attach the 9-pin female connector to the dispose assembly if applicable (see Figure 42).
- 42. Align the dispose outlet assembly to the pre-drilled holes and attach using ¼"-20 self tapping bolts (see Figure 43).

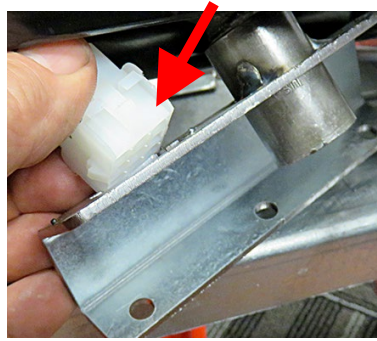


Figure 42

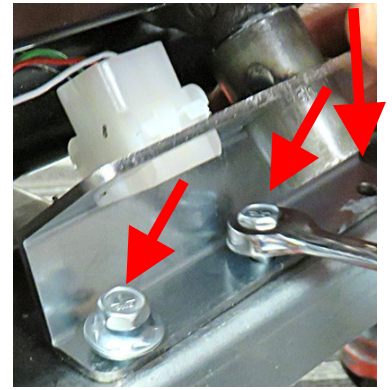


Figure 43

- 43. Attach the 1085398 9-pin male pigtail connector to the 9-pin female connector (see Figure 44).
- 44. Using zip ties, attach the (DISPOSE) tag to the waste oil port (see Figure 45).
- 45. Finish tightening the three (3) nylock nuts on the dispose valve assembly, from step 34 (see Figure 46).
- 46. Ensure the wire harnesses are routed away from the oil return lines and properly routed away from the filter pan and down in the channel with the gas line (see Figure 47).

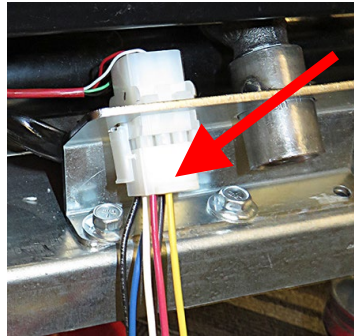


Figure 44



Figure 45

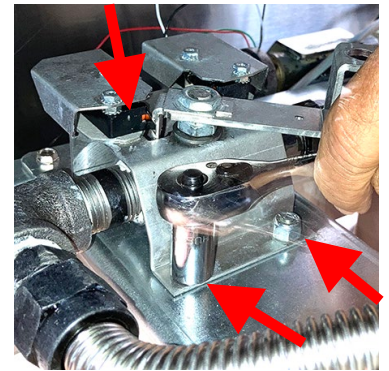


Figure 46

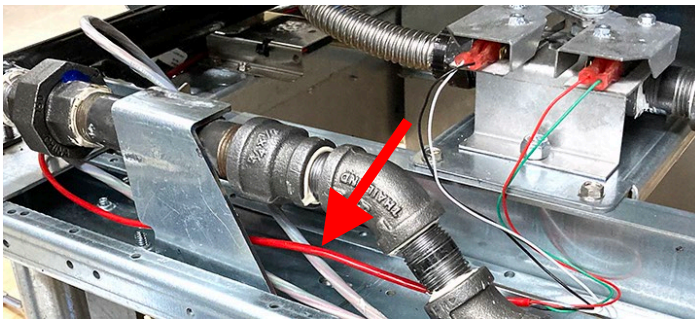


Figure 47



Figure 48

- 47. Zip tie excess wiring together under the gas manifold (see Figure 48).
- 48). **Do NOT tie wires or allow wires to touch the oil return manifold.**
- 48. Align and slip the clevis clip over the dispose valve handle as shown (see Figure 49).



Figure 49

49. Attach the dispose handle assembly 1080686 to the dispose switch valve assembly with the clevis clip (see Figure 50).

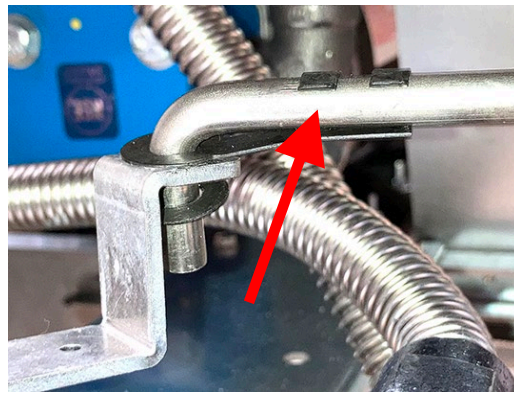


Figure 50

50. Align and attach the dispose valve bracket to the frame (see Figure 51).

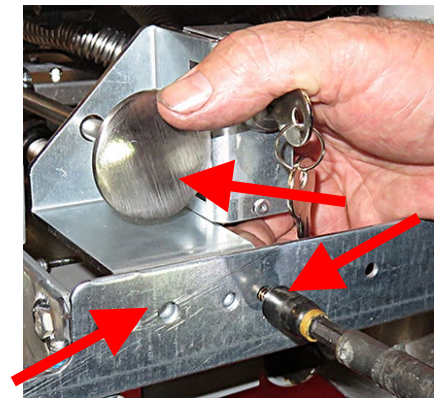


Figure 51

Figure 51). Ensure the dispose handle is mounted at a 90 degree angle to the cross bar. Failure to mount the handle & bracket at a 90 degree angle may cause the dispose handle to bind when opening or closing the dispose valve.

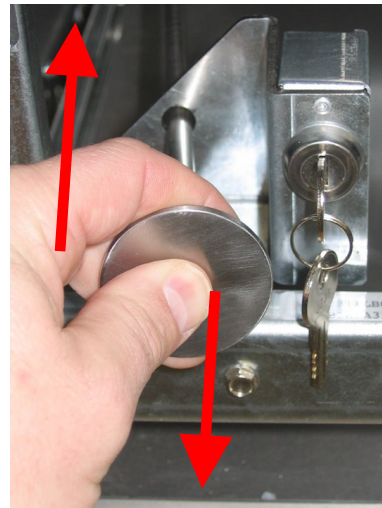


Figure 52

51. Move the dispose handle in and out ensuring it doesn't bind (see Figure 52). Ensure the handle is all the way towards the rear of the fryer when complete.



Figure 53

52. On the rear of the fryer, remove the plug and connect the waste oil hose to the DISPOSE port (see Figure 53).

53. Use the wiring diagram on the back page for reference when attaching any wiring from an external bulk system. Connect the wiring to the pig tail harness next to the DISPOSE connection, on the rear of the fryer (see Figure 44).

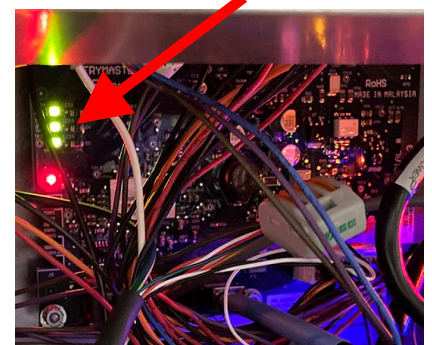



Figure 54

54. Plug in the fryer and ensure the FIB board lights up (see Figure 54).

55. Reverse steps 2-13 to return the fryer to operation.

56. Once fryer has powered up, wait one (1) additional minute with the controller OFF and press the HOME button. 

57. Press the SETTINGS button. 

58. Press the SERVICE button. 

59. Enter **3000**.




60. Press the ✓ (check) button.

61. Press the down arrow button one time. 


62. Press WASTE OIL if connecting to bulk waste oil system.

63. Press BULK.

64. Press the ✓ (check) button.

65. Press the HOME button to exit. 

66. Press and **HOLD** the momentary reset switch close to the USB port (see Figure 55). Ensure the switch is pressed and held for **one (1) minute**.

67. Once the fryer reboots, allow two (minutes) and test the dispose function by pressing the FILTER button .

68. Select DISPOSE from the menu.

69. The controller displays DISPOSE NOW? YES NO.

70. Press the YES button.

71. The controller displays WEAR PROTECTIVE GLOVES; YES.

72. Press the YES button.

73. Press the BLUE button.

74. Controller displays VAT EMPTY?

75. Press the YES button.

76. Controller displays CLEAN VAT COMPLETE?

77. Press the YES button.

78. Controller displays ALERT DRAIN...OPEN DISPOSE VALVE.

79. Open the dispose valve by pulling the handle towards the front of the fryer (see Figure 56).

80. Ensure that the filter pump starts and begins pumping oil out of the filter pan. If so, immediately push dispose handle in to stop the pump. Reboot the fryer system. Once the system is rebooted and all prompts are correctly answered, press the FILTER button and select the FILL VAT FROM PAN option to return the oil to the vat. Ensure that the oil is returned. It may be necessary to top off the vat when finished for the vat to heat properly.



Figure 55



Figure 56

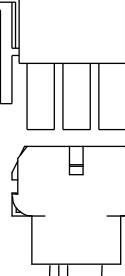
# BULK OIL WIRING

**FIB BOX C7**  
**15 pin**



CONTROL LINE  
 SENSE LINE  
 ADD PUMP  
 WASTE FULL

WHITE 24VAC IN FROM BULK (COM)  
 BLACK 24VAC IN FROM BULK (HOT)  
 GREEN 24VAC OUT FRESH OIL PUMP  
 RED BULK DISPOSE TANK FULL



TESTING BETWEEN PINS 5 & 8 FIB C7 SHOULD READ:  
 24VAC WHEN BULK TANK IS FULL  
 0 VAC WHEN BULK TANK IS NOT FULL

TESTING BETWEEN PINS 1 & 5 9-PIN FEMALE PLUG SHOULD READ:  
 24VAC WHEN BULK TANK IS FULL  
 0 VAC WHEN BULK TANK IS EMPTY

PIN 1 RED BULK DISPOSE TANK FULL  
 PIN 2 WHITE 24VAC OUT FRESH OIL PUMP  
 PIN 3 BLACK 24VAC IN FROM BULK (HOT)  
 PIN 4 YELLOW 24VAC IN FROM BULK (COM)  
 PIN 5 BROWN NOT USED  
 PIN 6 BLUE NOT USED

9-PIN FEMALE CONNECTION ON REAR OF FRYER  
 9-PIN MALE CONNECTION ON REAR OF FRYER

