

# Instruction Sheet

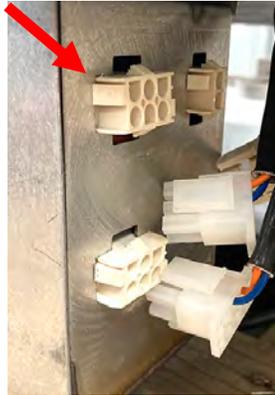
Follow these instructions to install a proximity filter pan sensor on the FQG60-T fryer.

**Subject: FQG60-T Proximity Pan Sensor Kit Instructions**

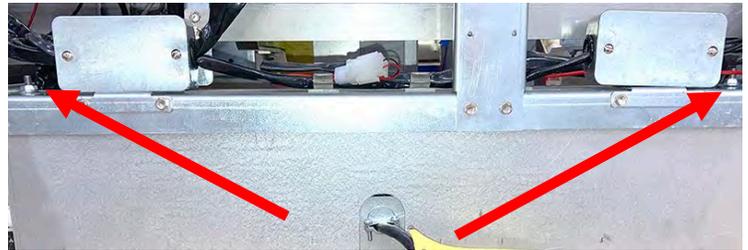
**Models affected: FQG60-T Fryers**

**06/30/2021**

1. Disconnect the power from the fryer.
2. Relocate the fryer to gain access to the rear of the fryer.
3. Disconnect all the connectors from both sides of the transformer box (see Figure 1).
4. Locate and remove the two (2) 7/16" nuts attaching the transformer box to the frame (see Figure 2).
5. Remove the cover of the transformer box (see Figure 3).
6. Locate the lower connector on the inside of the right side of the transformer box, as viewed from the rear of the fryer, with an orange and blue wire. Insert the terminated pin of the 27" purple wire into position 3 of the connector (see Figure 4).
7. Route the purple wire along the bottom of the transformer box to the left side of the box. Secure with zip ties and existing connectors (see Figure 5).
8. Locate purple or black wires with +24V from the power supply on pin1 of the 6-pin connector from power supply (see Figure 6). This may differ in location depending on configuration. **NOTE: Pin 1 is denoted by ridge on connector.**



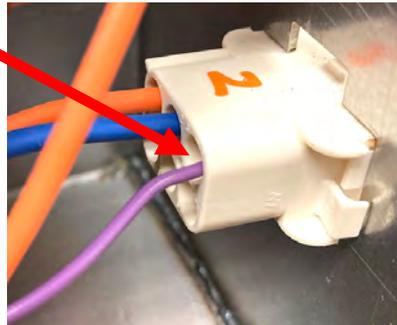
**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**



**Figure 5**



**Figure 6**

9. Snip one of the purple or black wires in previous step about halfway between the 6-pin connector and the power supply (see Figure 7).

10. Strip both ends of the wire snipped in the previous step about ¼" (see Figure 8).

11. Insert the two black wires from the previous step and the stripped end of the purple wire from step 5 into the 3-position Wago snap connector (see Figure 9). Ensure the Wago snap connector is completely snapped closed. Pull gently on the wires to ensure they are secured into the connector. **(See using Wago Connectors below)**

12. Tuck the wires and Wago snap connector back out of the way (see Figure 10).

13. Replace the transformer box cover removed in step 5.

14. Reattach the transformer box, removed in step 4 with the two (2) 7/16" nuts to the fryer (see Figure 11).

15. Reattach all connectors on both sides of the transformer box that were removed in step 3 (see Figure 12).

16. Locate the purple wire harness with the 3-pin connector on one end and the terminated pin on the other end (see Figure 13).

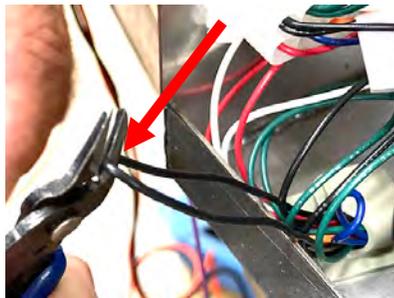


Figure 7

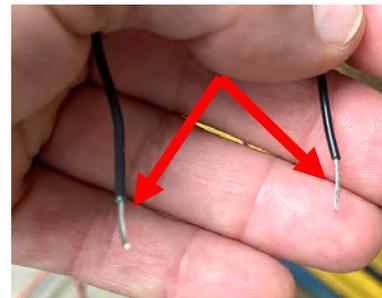


Figure 8

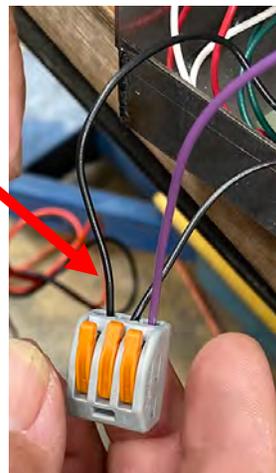


Figure 9

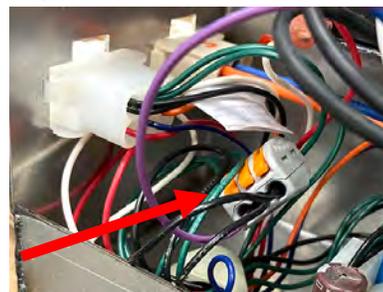


Figure 10



Figure 12

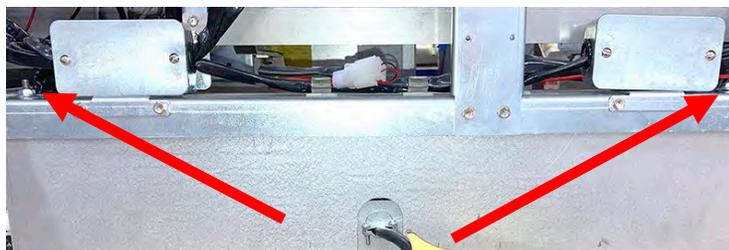


Figure 11

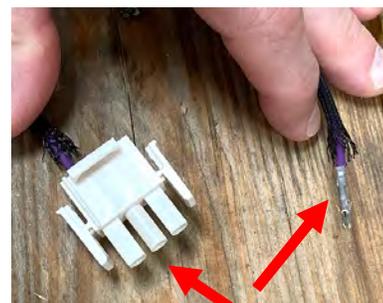


Figure 13

### Using Wago Snap Connectors

Wago connectors allow stripped wires (3mm) to be cleanly connected. They are easy to use:

1. Completely lift the orange lever. It will stay upright.
2. Insert stripped wires.
3. Close orange levers.
4. Gently pull on the wires to ensure the wires are secured.
5. Ensure no bare wire is visible outside the connector.



17. Insert the pin from the purple wire from step 16, into the # 1 pin position of the connector (see Figure 14). **NOTE: This is on the opposite exterior side of the purple plug in Figure 4.**

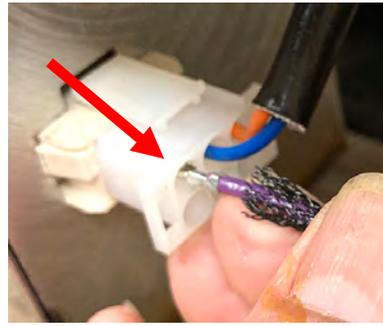


Figure 14

18. Route the other end of the wire with the 3-pin connector, in the previous step, up and into the frame area as shown (see Figures 15 and 16).



Figure 15

19. Remove the four (4) 5/16" cabinet screws from both sides of the existing pan switch brace (see Figure 17). **NOTE: It may be necessary to remove the junction box to remove the screws on the left side of the brace.**

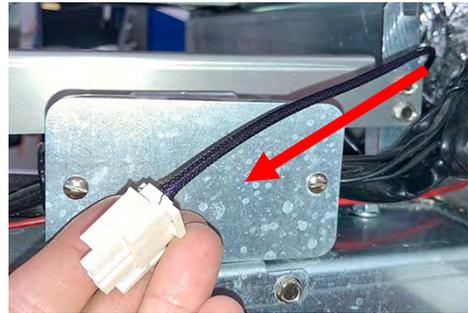


Figure 16

20. With the brace removed, disconnect the existing pan switch connector from the fryer (see Figure 18).

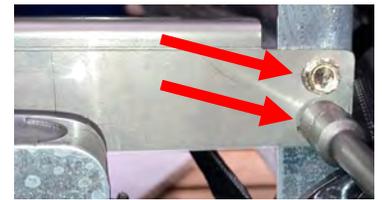


Figure 17

21. Remove the two (2) screws attaching the existing pan switch to the bracket using a small Phillips head screwdriver (see Figure 19).

22. Align the new proximity sensor to the brace using the existing holes. Attach using the supplied 1/4" sheet metal screws (see Figure 20).



Figure 18

23. Loosen the proximity switch nut for easy adjustment later.

24. Reattach the brace removed in step 19. Ensure the proximity switch is towards the front of the fryer (see Figure 21).

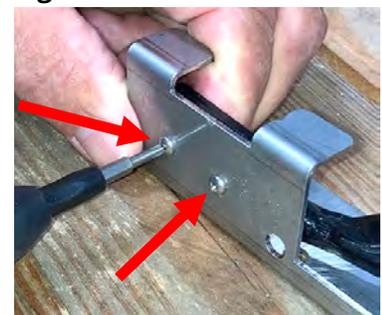


Figure 19

25. Attach the proximity switch 3-pin connector to the 3-pin connector in Figure 16 (see Figure 22).

**NOTE: The brown wire should align to the purple wire.**

26. Locate the 2-pin red wire harness that was connected to the old pan switch harness. Using a pin pusher, push both the red and black wire pins out of the connector (see Figure 23).



Figure 20

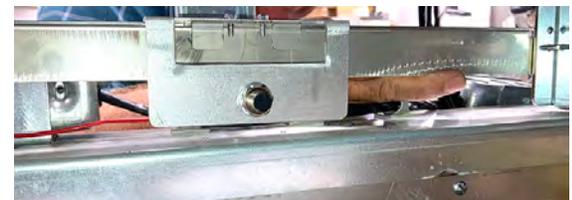


Figure 21

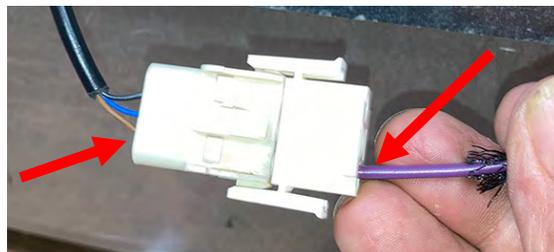


Figure 22

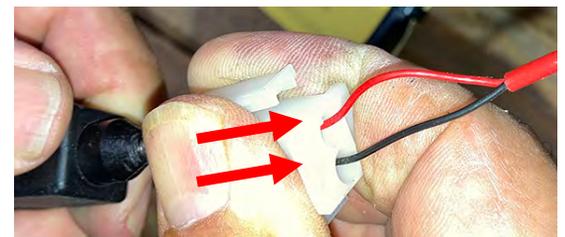


Figure 23

27. Insert the red wire removed in step 26 into pin 2 position (middle position) of the connector in Figure 22. Insert the black wire removed in step 26 in pin 3 position of the connector in Figure 22 (see Figure 24).

28. Reconnect power to the fryer to test proximity switch by aligning something metal in front of the switch (see Figure 25).

29. If the switch is wired correctly, the rear of the proximity switch will illuminate orange (see Figure 26).

30. Secure the pan switch harnesses up with wire ties. Ensure the harnesses can't fall down and interfere with the filter pan (see Figure 27).

31. Insert filter pan to test position of the proximity switch (see Figure 28). A **"P"** IS DISPLAYED in the top right corners of the touch screen controllers **when the filter pan is out of position** (see Figure 29).

32. Ensure a **"P"** is **NOT DISPLAYED** in the top right corners of the touch screen controllers when the filter pan is fully inserted. If the pan is pulled out of the fryer 3/8" or less, it should still make and not display a **"P"** (see Figure 30).

33. Adjust the pan switch by rotating the nut. Ensure the switch isn't crashing into the pan. There should be a gap of approximately 1/8" between proximity switch and the filter pan (see Figure 31).

34. Pull the filter pan out and push back in several times to verify the proximity switch is working correctly.

35. Ensure the nut on the proximity switch is completely tightened.

36. Once complete, return the fryer under the hood and return the fryer to service.

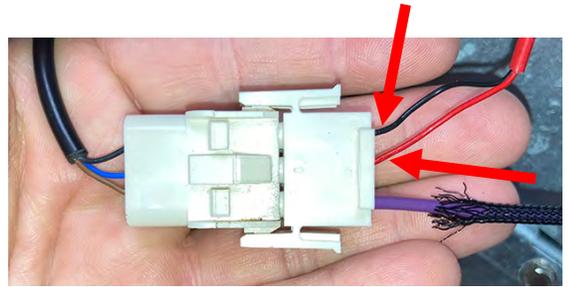


Figure 24



Figure 25

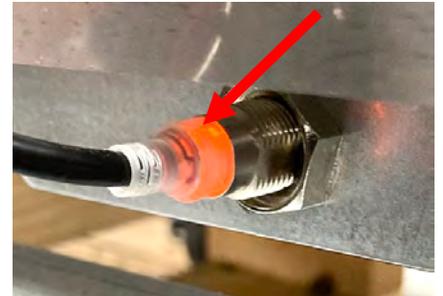


Figure 26



Figure 27

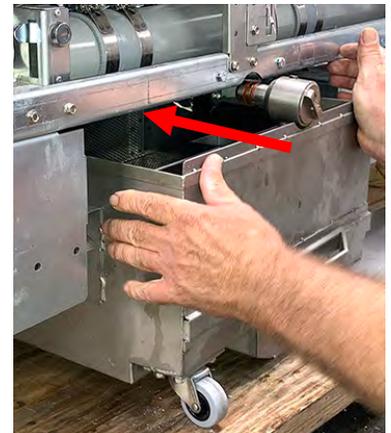


Figure 28



Figure 29



Figure 30

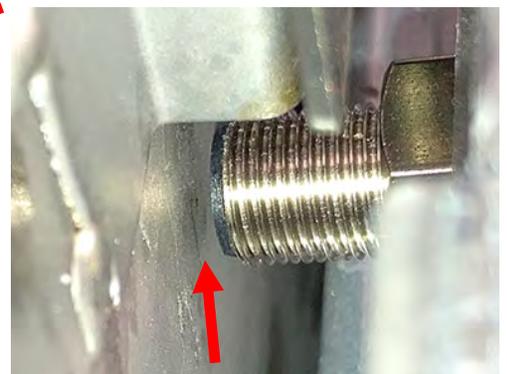


Figure 31