

# Lift Assist Installation Instructions - Winston Control

## INSTRUCTION MANUAL

### TOOL(S) NEEDED

- |                              |                   |                                    |                |
|------------------------------|-------------------|------------------------------------|----------------|
| • Phillip's head screwdriver | • 3/8" Nut driver | • 11/32" Nut driver                | • Pliers       |
| • 5/16" Nut driver           | • 1/2" Wrench     | • 9/16" Wrench, socket and ratchet | • Masking tape |

### INSTRUCTIONS:

#### PART 1: FRONT ESCUTCHEON REMOVAL

1. Unplug fryer.
2. Drain oil from fryer and remove collector.
3. Using a Phillip's head screwdriver, remove two screws holding control board and then remove control board (Figure 1).
4. Using a Phillip's head screwdriver, remove four screws that attach the front escutcheon (Figure 2).
5. With front escutcheon resting on the front retention rail, remove two nuts that attach high limit switch, using a 3/8" nut driver (Figure 3).
6. Using a 11/32" nut driver, remove two nuts that attach the interlock switch bracket (Figure 4).
7. By depressing the tabs, remove both the 9-pin and 6-pin Molex connectors from the bottom of control board mounting well (Figure 5).
8. Label all indicator lamp wires then disconnect wires from lamps (Figure 6).



Figure 1



Figure 2

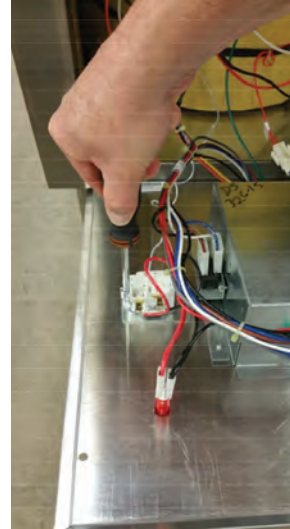


Figure 3



Figure 4



Figure 5

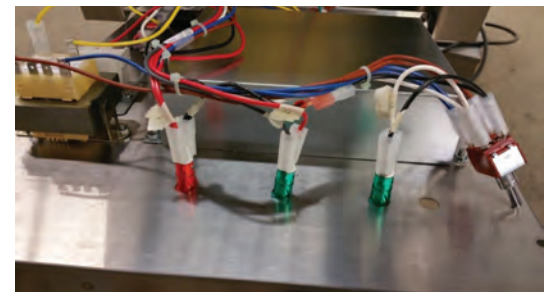


Figure 6

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9. Unscrew and remove toggle switch boot, then using pliers loosen and remove switch retaining nut (Figures. 7a & 7b).
10. Pull switch back through escutcheon and then remove escutcheon (Figures 8 & 9).



Figure 7a

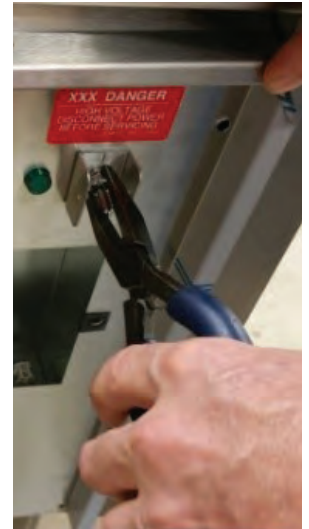


Figure 7b

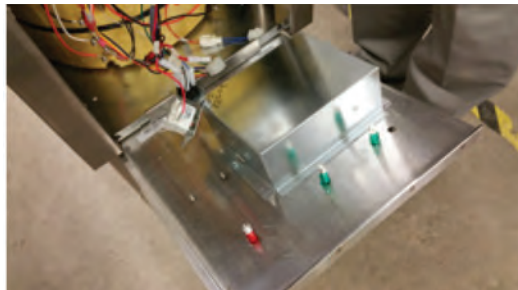


Figure 8



Figure 9

## PART 2: REPLACING THE FRYER BOTTOM

**\* Note: If your fryer is equipped with the lift assist Molex connector cutout on the bottom (Figure 10), skip Part 2 and proceed to Part 3\*\***

1. Remove muffler (banjo) from fryer by pushing down at the top, and pull away from the bottom (Figure 11).
2. Remove lid from fryer.

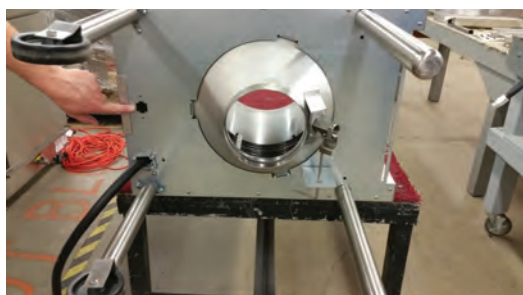


Figure 10



Figure 11

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3. Using a Phillip's head screwdriver, remove four screws that attach the backsplash. Remove backsplash (**Figure 12**).
4. Using a Phillip's head screwdriver, remove three screws that attach rear right panel and remove panel (**Figures 13 & 14**).
5. Place fryer on its side (**Figure 15**).
6. Using a flat head screwdriver, disconnect the power cord leads at the number one contactor and grounding post (**Figure 16**).
7. Using a Phillip's head screwdriver, loosen clamp on power cord strain relief and pull power cord through clamp removing it from fryer (**Figure 17**).
8. Using a Phillip's head screwdriver, loosen rear leg bracket clamps (**Figure 18**).



Figure 12



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17



Figure 18

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9. Using a Phillip's head screwdriver, remove rear leg bracket retention screw and unscrew both rear legs (**Figures 19 & 20**).
10. Using a Phillip's head screwdriver, remove two bottom vent assembly screws (**Figure 21**).
11. Using a 1/2" wrench, remove nut that attaches drain handle to drain valve (**Figure 22**).
12. Using a Phillip's head screwdriver, remove 12 screws that attach bottom (**Figure 23**).
13. Using a Phillip's head screwdriver, remove one bottom screw from the back left panel (**Figure 24**).



Figure 19



Figure 20



Figure 21



Figure 22

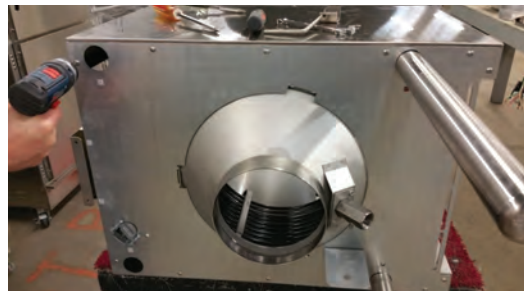


Figure 23



Figure 24

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14. Slide bottom off of fryer (Figure 25).

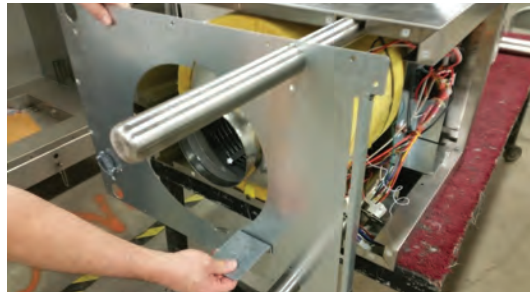


Figure 25

15. Using a Phillip's head screwdriver, remove handle bracket from old fryer bottom (Figure 26).



Figure 26

16. Remove power cord strain relief from old fryer bottom (Figure 27).



Figure 27

17. Re-attach handle bracket and strain relief to new fryer bottom (Figures 28a & 28b).

18. Using the old bottom as a guide, insert provided grommets into new bottom (Figure 29).



Figure 28a



Figure 28b

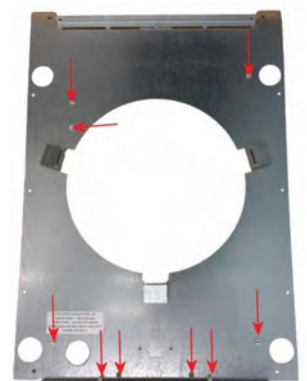


Figure 29

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19. Slide new fryer bottom over front legs and reattach bottom with 12 screws, and re-attach the one screw in left rear panel bottom (**Figure 30**).
20. Using 1/2" wrench, re-attach the drain handle (**Figure 31**).
21. Re-insert power cord into strain relief and pull the cord through to the front and reattach to #1 contactor (right) (**Figures 32 & 33**).
22. Insert back two legs onto fryer and tighten (ensure that wheels are aligned). Re-attach leg retention clamps and tighten. Re-insert clamp retention screw (**Figures 34, 35 & 36**).
23. Stand fryer back up.

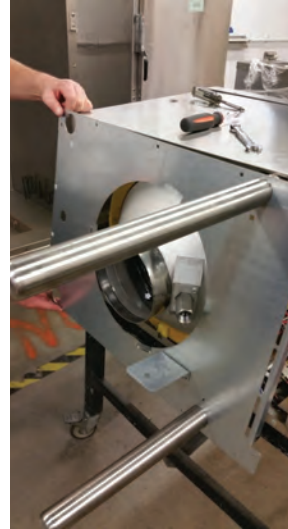


Figure 30



Figure 31



Figure 32



Figure 33



Figure 34



Figure 35



Figure 36

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### PART 3: INSTALLING NEW FRONT ESCUTCHEON AND FRYER REASSEMBLY.

1. Rest new escutcheon on lower front rail on fryer front (**Figure 37**).
2. Re-insert toggle switch and tighten retention nut and attach switch boot (**Figure 38**).
3. Re-attach indicator lamp wires (**Figure 39**).
4. Reattach hi limit switch (**Figure 40**).
5. Re-attach interlock switch (**Figure 41**).
6. Re-insert the 9-pin and 6-pin Molex connectors into the control box housing on escutcheon (**Figure 42**).

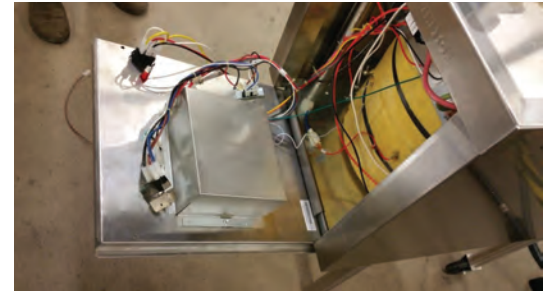


Figure 37



Figure 38

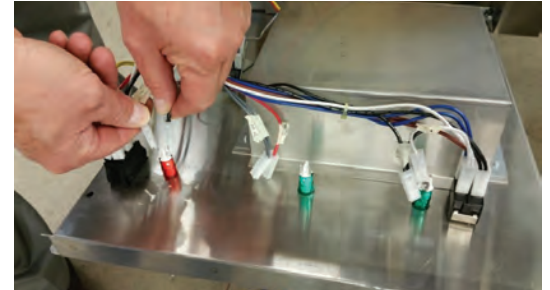


Figure 39



Figure 40



Figure 41



Figure 42

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7. Run 9-pin Molex connector coming from lift assist toggle switch down the left side between the side of the fryer and the fryer pot to the back of the fryer (**Figures 43 & 44**).
8. Insert the Molex connector into the cutout in the fryer bottom (**Figure 45**).
9. Locate the blue, brown and green leads attached to the lift assist toggle switch (**Figure 46**).
10. Using the provided self-tapping screw, mount green ground wire next to the existing ground wire on contactor panel (**Figure 47**).

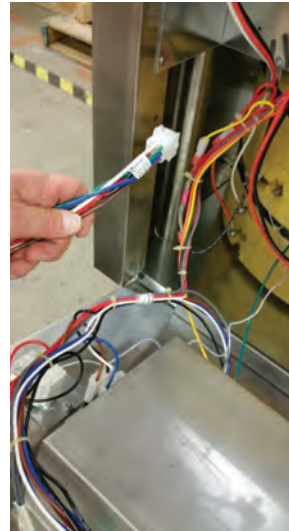


Figure 43



Figure 44

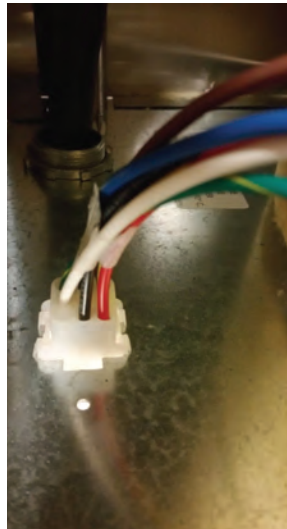


Figure 45



Figure 46

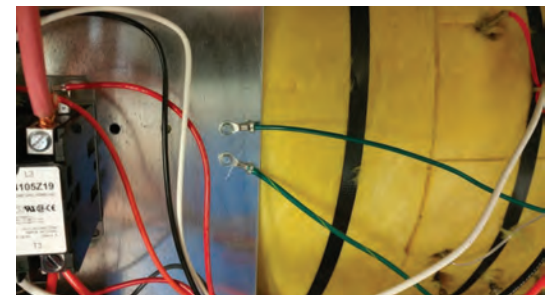


Figure 47

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11. Locate the brown and the blue terminal connection lead on the lift assist toggle switch wire harness. Plug the brown lead into the T1 terminal post on the #1 contactor (right). Plug the blue connection into the T2 terminal post on the #1 contactor (right) (**Figure 48**).
12. Locate the existing hole on the front inside cabinet face wall (**Figure 49**).
13. Insert provided slip nut over existing hole (**Figure 50**).
14. Using a Phillip's head screwdriver, mount fuse bracket to cabinet wall (**Figure 51**).
15. Ensure that fuse bracket is straight and tight (**Figure 52**).
16. Using the provided wire ties, attach wire bundle to fryer pot strap at the front side and back side of fryer pot (**Figures 53 & 54**).



Figure 48

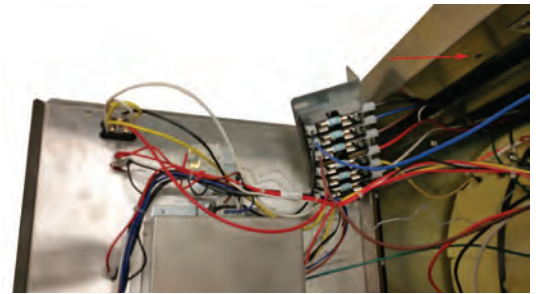


Figure 49



Figure 50



Figure 51



Figure 52



Figure 53



Figure 54

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17. Insert provided connection shield into the top side of the grommets that are used to secure the vent assembly bottom in the back of the fryer (**Figure 55**).
18. Replace the two screws that secure vent assembly bottom (**Figure 56**).
19. Replace right rear panel (**Figure 57**).
20. Raise up front escutcheon and reattach with four screws (**Figure 58**).
21. Reconnect the 9-pin Molex and 6-pin Molex connections and re-attach control board (**Figure 59**).
22. Install provided fourth heater protector. Ensure that all the protectors are evenly spaced (**Figure 60**).

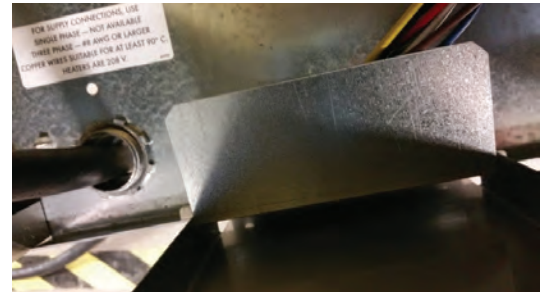


Figure 55



Figure 56



Figure 57



Figure 58



Figure 59

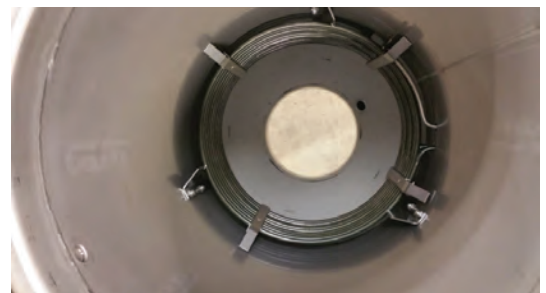


Figure 60

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23. Reuse the four screws from old back-splash and mount provided back-splash. Ensure that new back-splash has a notch on either end (**Figures 61 & 62**).

#### **PART 4: LIFT ASSIST ARM ATTACHMENT**

1. Slide lift assist arm on right rear leg for right mounting models or left rear leg for leg mounting models. Attach bracket around leg, insert four bolts, and hand tighten (**Figures 63 & 64**).
2. Attach provided column bracket to back-splash and lift assist arm. Secure with provided four carriage bolts and nuts (**Figures 65 & 66**).
3. Using 7/16" socket wrench, tighten four lift assist arm bolts (**Figure 67**).
4. Insert the 6-pin male Molex connection from the lift assist into the female Molex connector located on the fryer bottom (**Figure 68**).



Figure 61



Figure 62



Figure 63



Figure 64



Figure 65



Figure 66



Figure 67



Figure 68

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5. Using provided screws, bolt wire harness bracket to the bottom of fryer (**Figure 69**).
6. Attach arm hook assembly to lift assist arm and secure with provided nut and 9/16" wrench (**Figures 70 & 71**).
7. Hook basket onto the basket hanger (**Figure 72**).
8. Verify that the fryer is level. The basket should be centered on fryer pot opening.
9. Put lid back on fryer.
10. Plug fryer in and test to ensure lift assist is working correctly before operating the fryer.



Figure 69



Figure 70



Figure 71



Figure 72

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