

Lift Assist Installation Instructions- Fastron Control

INSTRUCTION MANUAL

TOOL(S) NEEDED

- | | | | |
|------------------------------|---------------------|-------------------|--------------------------|
| • Phillip's head screwdriver | • 11/32" Nut driver | • 3/8" Nut driver | • 9/16" Wrench |
| • Flat head screwdriver | • 5/16" Nut driver | • 1/2" Wrench | • 9/16" Socket & Ratchet |
| • Pliers | | | |

INSTRUCTIONS:

PART 1: Front Escutcheon Removal

1. Unplug fryer.
2. Drain oil from fryer and remove collector.
3. Using a flat 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. Unscrew and remove toggle switch boot, then using pliers loosen and remove switch retaining nut (**Figures 3 & 4**).
6. Rest front escutcheon on front retention rail (**Figure 5**).



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

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7. Label all indicator lamp wires then disconnect wires from lamps (**Figure 6**).
8. Using a 11/32" nut driver, remove nuts that attach transformer (**Figure 7**).
9. Using a 11/32" nut driver, remove nuts that secure hi limit switch (**Figure 8**).
10. Using a 5/16" nut driver, remove nuts that secure the two relays attached to the control board well (**Figure 9**).
11. Depress and remove the 9-pin Molex connector and the 2-pin Molex connector from the control board well (**Figure 10**).
12. Remove old front escutcheon (**Figure 11**).

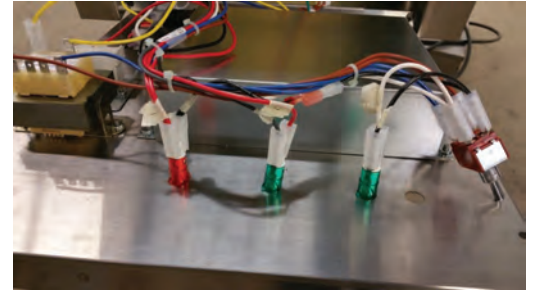


Figure 6

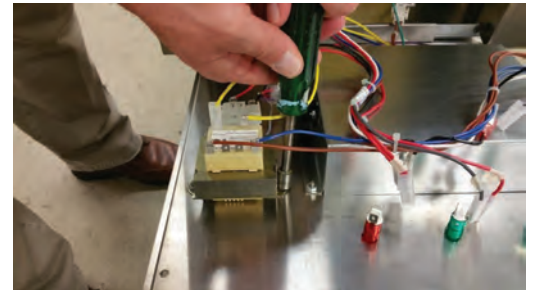


Figure 7

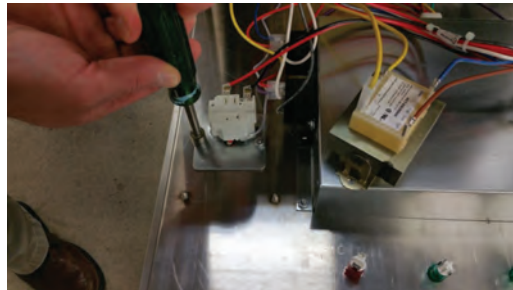


Figure 8

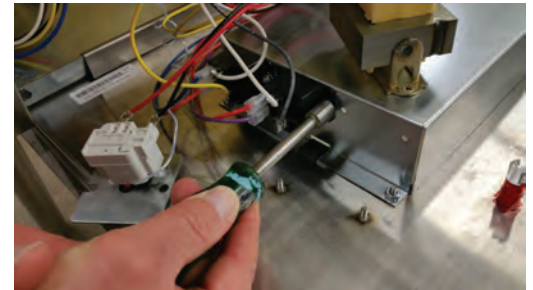


Figure 9



Figure 10



Figure 11

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PART 2: Replacing the Fryer Bottom

**** Note: If your fryer is equipped with the lift assist Molex connector cut out on the bottom (Figure 12), skip Part 2 and proceed to Part 3****

1. Remove muffler (banjo) from fryer by pushing down at the top, and pulling away from the bottom (Figure 13).
2. Remove lid from fryer.
3. Using a Phillip's screwdriver, remove four screws that attach the back splash and then remove back splash (Figure 14).
4. Using a Phillip's screwdriver, remove three screws that attach rear right panel and remove panel (Figures 15 & 16).

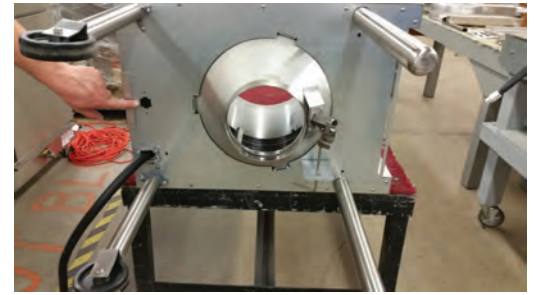


Figure 12



Figure 13



Figure 14



Figure 15



Figure 16

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5. Place fryer on its side (Figure 17).
6. Using a flat head screwdriver, disconnect the power cord leads at the number one contactor and grounding post (Figure 18).



Figure 17



Figure 18

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 19).
8. Using a Phillip's head screwdriver, loosen rear leg bracket clamps (Figure 20).
9. Using a Phillip's head screwdriver, remove rear leg bracket retention screw and unscrew both rear legs (Figures 21 & 22).



Figure 19



Figure 20



Figure 21



Figure 22

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10. Using a Phillip's head screwdriver, remove two bottom vent assembly screws (Figure 23).
11. Using a 1/2" wrench, remove nut that attaches drain handle to drain valve (Figure 24).
12. Using a Phillip's head screwdriver, remove twelve screws that attach bottom (Figure 25).
13. Using a Phillip's head screwdriver, remove the bottom screw from the back left panel (Figure 26).
14. Slide bottom off of fryer (Figure 27).
15. Using a Phillip's head screwdriver, remove handle bracket from old fryer bottom (Figure 28).



Figure 23



Figure 24

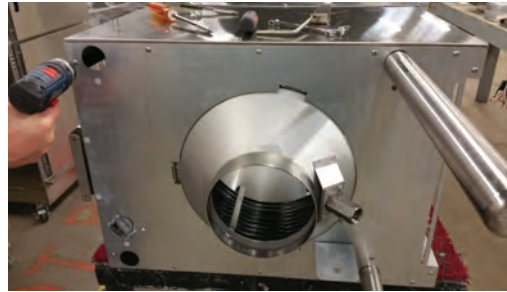


Figure 25



Figure 26



Figure 27



Figure 28

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16. Remove power cord strain relief from old fryer bottom (Figure 29).
17. Re-attach handle bracket and strain relief to new fryer bottom (Figures 30a & 30b).
18. Using the old bottom as a guide, insert provided grommets into new bottom (Figure 31).
19. Slide new fryer bottom over front legs and reattach bottom with twelve screws, and reattach the screw in left rear panel bottom (Figure 32).
20. Using 1/2" wrench, reattach the drain handle (Figure 33).
21. Re-insert power cord into strain relief and pull the cord through to the front, and reattach to #1 contactor (right) (Figures 34 & 35).



Figure 29



Figure 30a



Figure 30b

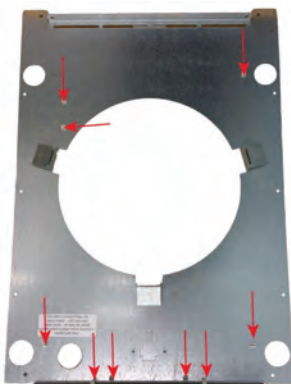


Figure 31

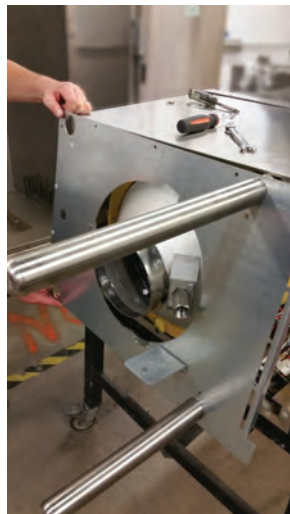


Figure 32



Figure 33



Figure 34



Figure 35

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22. Insert back two legs onto fryer and tighten. Reattach leg retention clamps and tighten. Re-insert clamp retention screw (**Figures 36, 37 & 38**).
23. Stand fryer back up.



Figure 36



Figure 37



Figure 38

PART 3: Installing New Front Escutcheon and Fryer Re-assembly

1. Rest new escutcheon on lower front rail on fryer front (**Figure 39**).
2. Re-insert toggle switch and tighten retention nut and attach switch boot (**Figure 40**).
3. Reattach indicator lamp wires (**Figure 41**).
4. Using a 5/16" nut driver, re-attach the relays attached to the control board well (**Figure 42**).

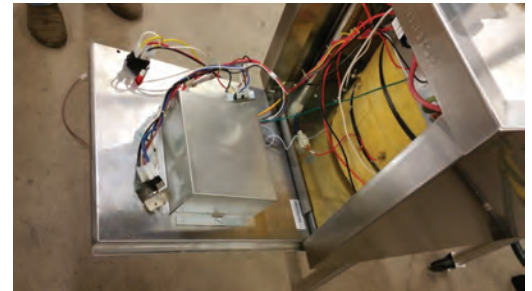


Figure 39



Figure 40

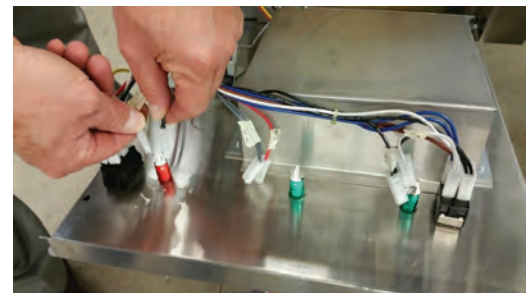


Figure 41



Figure 42

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5. Using a 11/32" nut driver, re-attach the hi limit switch (Figure 43).
6. Using a 11/32" nut driver, re-attach transformer (Figure 44).
7. Re-insert the 9-pin and 2-pin Molex connectors into the control box housing on escutcheon (Figure 45).
8. 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 46 & 47).
9. Insert the Molex connector into the cut out in the fryer bottom (Figure 48).

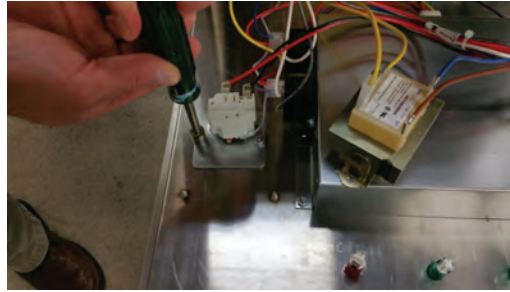


Figure 43

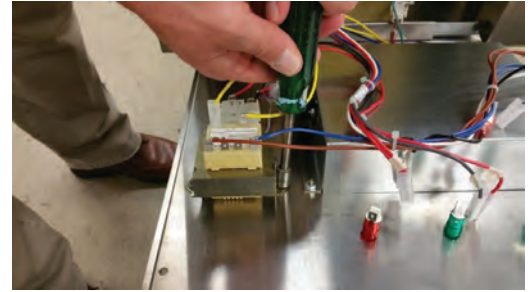


Figure 44



Figure 45

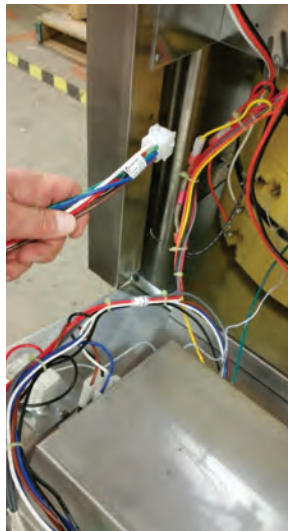


Figure 46



Figure 47

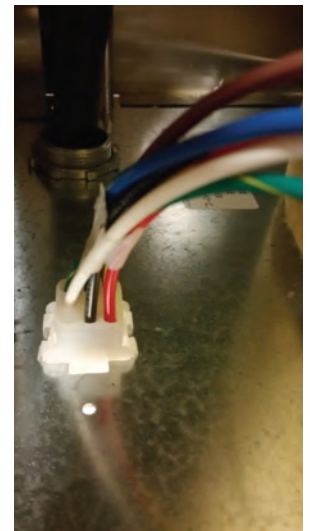


Figure 48

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10. Locate the blue, brown and green leads attached to the lift assist toggle switch (**Figure 49**).
11. Using the provided self-tapping screw, mount green ground wire next to the existing ground wire on contactor panel (**Figure 50**).
12. 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 51**).
13. Located the existing hole on the front inside cabinet face wall (**Figure 52**).
14. Insert provided slip nut over existing hole (**Figure 53**).
15. Using a Phillip's head screwdriver, mount fuse bracket to cabinet wall (**Figure 54**).



Figure 49

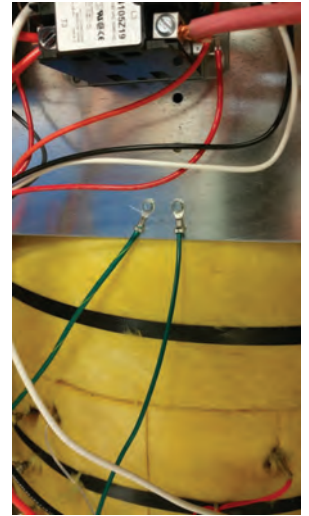


Figure 50



Figure 51



Figure 52



Figure 53



Figure 54

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16. Ensure that fuse bracket is straight and tight (**Figure 55**).
17. Using the provided wire ties, attach wire bundle to fryer pot strap at the front side and back side of fryer pot (**Figures 56 & 57**).
18. 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 58**).
19. Replace the two screws that secure vent assembly bottom (**Figure 59**).
20. Replace right rear panel (**Figure 60**).



Figure 55



Figure 56



Figure 57



Figure 58



Figure 59



Figure 60

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21. Raise up front escutcheon and re-attach with four screws (**Figure 61**).
22. Reconnect the 9-pin Molex and 2-pin Molex connections and re-attach control board (**Figure 62**).
23. Install provided fourth heater protector. Ensure that all the protectors are evenly spaced (**Figure 63**).
24. 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 64 & 65**).



Figure 61



Figure 62

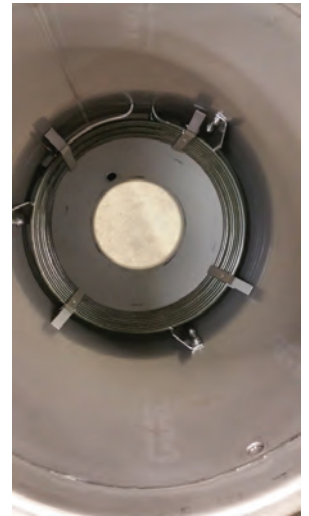


Figure 63



Figure 64



Figure 65

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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 and insert four bolts and hand tighten (Figures 66 & 67).
2. Attach provided column bracket to back splash and lift assist arm. Secure with four provided carriage bolts and nuts (Figures 68 & 69).
3. Using 7/16" socket wrench, tighten four lift assist arm bolts (Figure 70).
4. Insert the 6-pin male Molex connection from the lift assist into the female molex connector located on the fryer bottom (Figure 71).
5. Using provided screws, bolt wire harness bracket to the bottom of fryer (Figure 72).



Figure 66



Figure 67



Figure 68



Figure 69

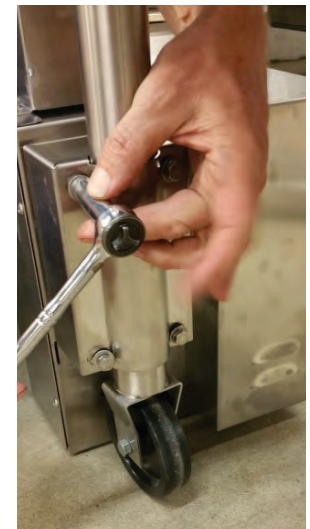


Figure 70



Figure 71



Figure 72

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6. Attach arm hook assembly to lift assist arm and secure with provided nut and 9/16" wrench (**Figures 73 & 74**).
7. Hook basket onto the basket hanger (**Figure 75**).
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 73



Figure 74



Figure 75

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