

# Converting Fryer From Pressure to Open

## INSTRUCTION MANUAL

### TOOL(S) NEEDED

- 3/4" Wrench
- 5/8" Socket or nut
- Scissors
- PS3172 Conversion kit
- 9/16" Deep well socket
- Phillip's head screwdriver
- Gloves

**NOTE:** Video of this procedure may be found online here: <https://www.youtube.com/watch?v=6HDWxr7fcQg>. Be advised, save all hardware that will be removed during this process. You will need to use some of the hardware when installing new parts and reinstalling old parts on your fryer.

Before removing parts, turn fryer off and unplug from the wall. Allow oil in the fryer to cool down. Once oil is cool, drain the oil from the fryer.

1. Ensure that all parts are included in PS3172 Conversion Kit (**Figure 1**).

### Conversion Kit Contains:

- Vent plug (1)
- 3/4-16 Hex nut (1)
- Vent plug ferrule (1)
- #10 Screw grommet (1)
- 3/8-16 Acorn nut (3)
- 3/8 Flat washer (3)
- Large washer (3)
- 3/8-16x.70 Hex screw (3)



**Figure 1 - PS3172 Conversion Kit**

2. Press down on the front of the lid lock and pull handle towards the back of the fryer. Lift the fryer lid and remove the fryer lid from the back hinge block (**Figure 2**).



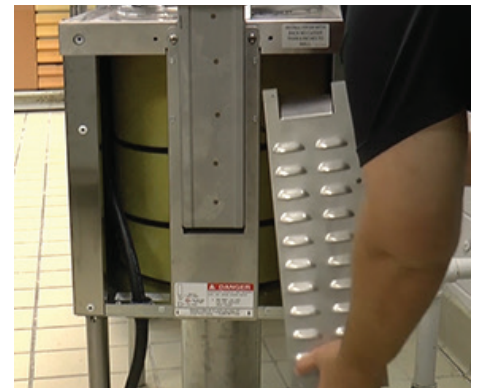
**Figure 2**

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3. Using a Phillip's head screwdriver or a screw gun, remove the four screws that secure the backsplash. There are two screws on the left side, and two screws on the right side. Once the screws are removed, lift the backsplash up and away from the back of the fryer (Figures 3 & 4).

**Figure 3****Figure 4**

4. Press down on the top of the muffler and pull the muffler away from the fryer at the bottom. Slide muffler up and remove muffler (Figure 5).
5. Remove the two back panels from fryer. Start by removing the screws on the outer left side panel and then the screws on the outer right side panel. Once the screws have been removed from both panels, carefully pull each panel down and away from the fryer back (Figures 6, 7, 8).

**Figure 5****Figure 6****Figure 7****Figure 8**

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6. Remove the two top screws on the vent back. Lift the vent rod support up from the back of the fryer. Lift the dead weight up and out of the vent back. Using a Phillip's head screwdriver or screw gun, remove the two bottom screws that hold the vent back assembly (Figures 9, 10, 11).



**Figure 9**



**Figure 10**



**Figure 11**

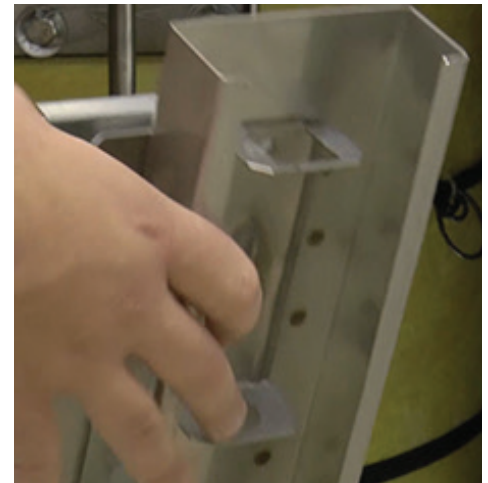
7. Using a Phillip's head screwdriver, remove the four screws that secure the vent block. Remove the vent block and o-ring from vent tube. Carefully remove the vent back from the fryer. Using scissors, cut away the wire tie that secures the vent solenoid wires to insulation strap. (Figures 12, 13, 14)



**Figure 12**



**Figure 13**



**Figure 14**

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**Be sure to wear protective gloves when removing the vent tube and back hinge block, as well as when installing the vent tube plug and the hinge block hardware. The fryer frame may have sharp edges.**

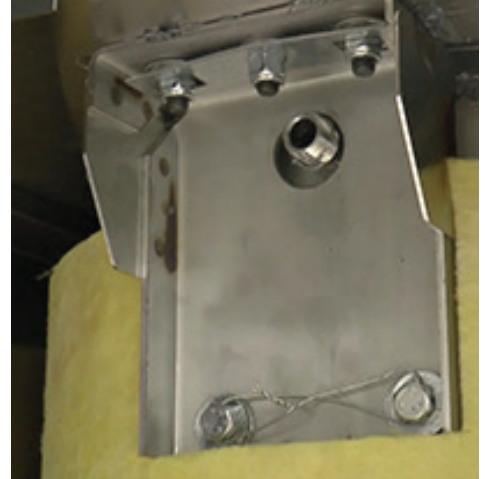
8. Using a 3/4" wrench, remove the compression nut that secures the vent tube to the fryer and then remove the vent tube (Figures 15,16, 17).



**Figure 15**

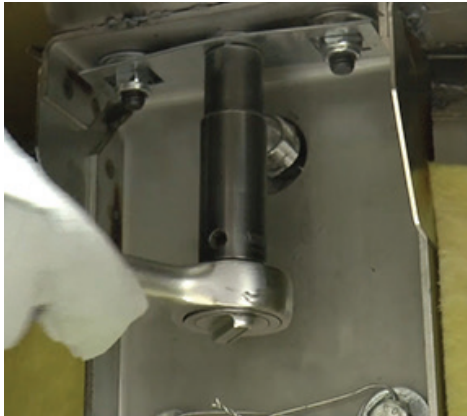


**Figure 16**

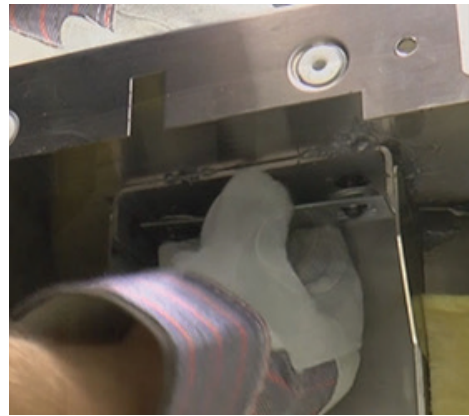


**Figure 17**

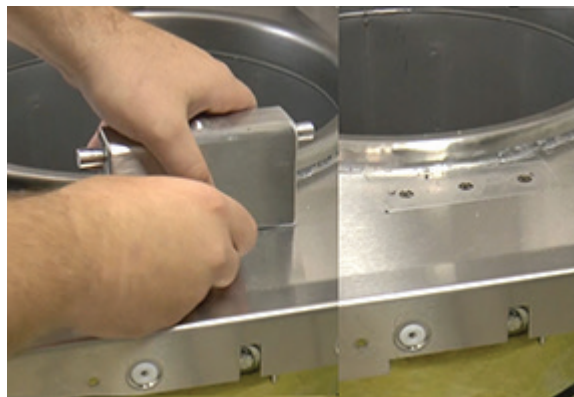
9. Using a 9/16" deep well socket and starting with the middle nut, loosen and remove each nut that is securing the back-hinge block. **It is important that you start with the middle nut.** Next, remove the retention plate and washers. After the bottom hardware has been removed, lift the block and remove from the fryer (Figures 18, 19, 20).



**Figure 18**



**Figure 19**



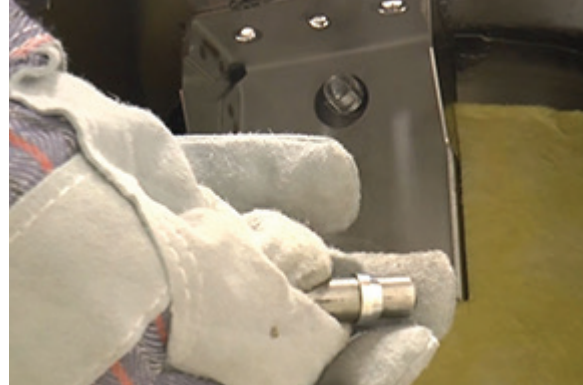
**Figure 20**

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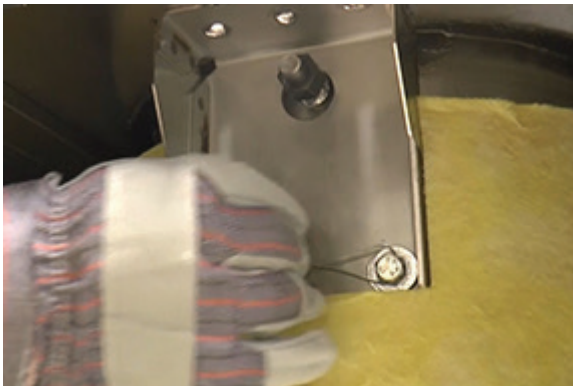
10. Using the parts provided in PS3172 kit, locate the vent tube plug, ferrule and compression nut. Slide the ferrule and compression nut onto plug. Slide plug and ferrule into vent tube opening and hand-tighten nut. Using a  $\frac{3}{4}$ " wrench, tighten the nut so the plug does not move (Figures 21, 22, 23, 24).



**Figure 21**



**Figure 22**



**Figure 23**



**Figure 24**

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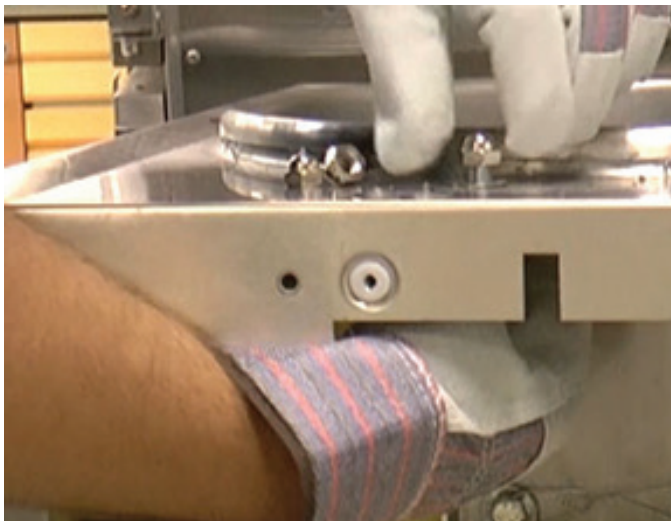
11. Remove the three bolts, three large washers, three small washers, and three acorn nuts from the PS3172 kit. Place the large washer on one of the bolts and insert, from the bottom up, in one of the rear hinge block holes. Insert small washer, then acorn nut, and tighten. Repeat this process with the other two bolts. After all three bolts are in place, use a 5/8" wrench and nut driver to tighten each bolt completely (Figures 25, 26, 27, 28).



**Figure 25**



**Figure 26**



**Figure 27**



**Figure 28**

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12. Lift the vent back up and align the top holes with the top holes and grommets on fryer back. Secure the vent back at the top using the two large screws that were removed, then secure the two bottom screws using the two smaller screws (**Figure 29**).



**Figure 29**

13. Next, reattach the rear left and right panels. Start with the left panel, slide the panel underneath the top of the fryer at an angle and align the hole on the top left side of the panel with the grommet at the top of the fryer on the side exterior. Be sure that the side panel is in between the top exterior and side exterior of the fryer. Have the bottom of the side panel on the outside of the fryer and insert the large screw through the hole on the bottom left side of the panel into the grommet located at the bottom left side of the fryer. Repeat process for the right side. Then reattach the small screws on both panels (**Figures 30, 31**).



**Figure 30**



**Figure 31**

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14. Reattach the backslash. Ensure that the danger label is facing the fryer pot. There are two screws for each side of the backslash. Re-insert screws and tighten (**Figure 32**).



**Figure 32**

15. Replace the muffler onto the fryer (**Figure 33**).

16. Your fryer is now ready for open frying.



**Figure 33**

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