

RE Tilt Switch Kit, 826-2598

This kit replaces the magnetic tilt switch on the elements of an RE fryer with a mechanical switch. The mechanical switch can also be placed on a fryer not previously equipped with a tilt switch.

An annotated view of the installed switch is shown in **Figures 1 and 2**.

1. Pull the fryer from the hood and remove all power.
2. Remove the backs.
3. Remove tilt housing.
4. Remove the existing tilt switch, if present, from the element mounting assembly. Remove the wiring, however, leave it attached to the plug at the rear of the fryer.
5. Remove the magnet and its mounting post.
6. Position the new tilt-switch mounting bracket with the short side down on the spring bracket assembly. Align the holes previously used by the magnet switch with bracket holes and ensure the bracket is mounted with its top edge level. **See Figures 1-7**. Attach it with the short screws provided.
7. Mount the wire-capture tab shown in **Figures 1 and 8**.
8. With the elements raised and secured, position the new stop, which strikes the switch arm, on the spring bracket. **See Figure 1**. Secure it with two nuts per screw.

In Kit 826-2598		
Part No.	Qty	Description
809-0688	4	Nut, 4-40 hex hd keps SS
807-4742	1	Switch, hi-temp long lever
809-0743	2	Screw, 4-40 x 1 pan head S.S.
819-6422	1	Literature, tilt switch wiring
807-4158	1	Ty wrap
809-1029	2	Screw, s/s 4-40 x 1/4 phlp hd
220-5352	1	Bracket, tilt switch
809-1030	1	Spacer, #10 x 5/16 OD x 5/8
108-0177	1	Harness assy, tilt switch
809-1032	1	Screw, 10-32x 1.00 hx hd, SS
809-0766	2	10-32 Nut, SS
230-5483	1	Bracket, wire positioning switch
810-0632	1	Tubing, SS 1.75" (Pin Pusher)

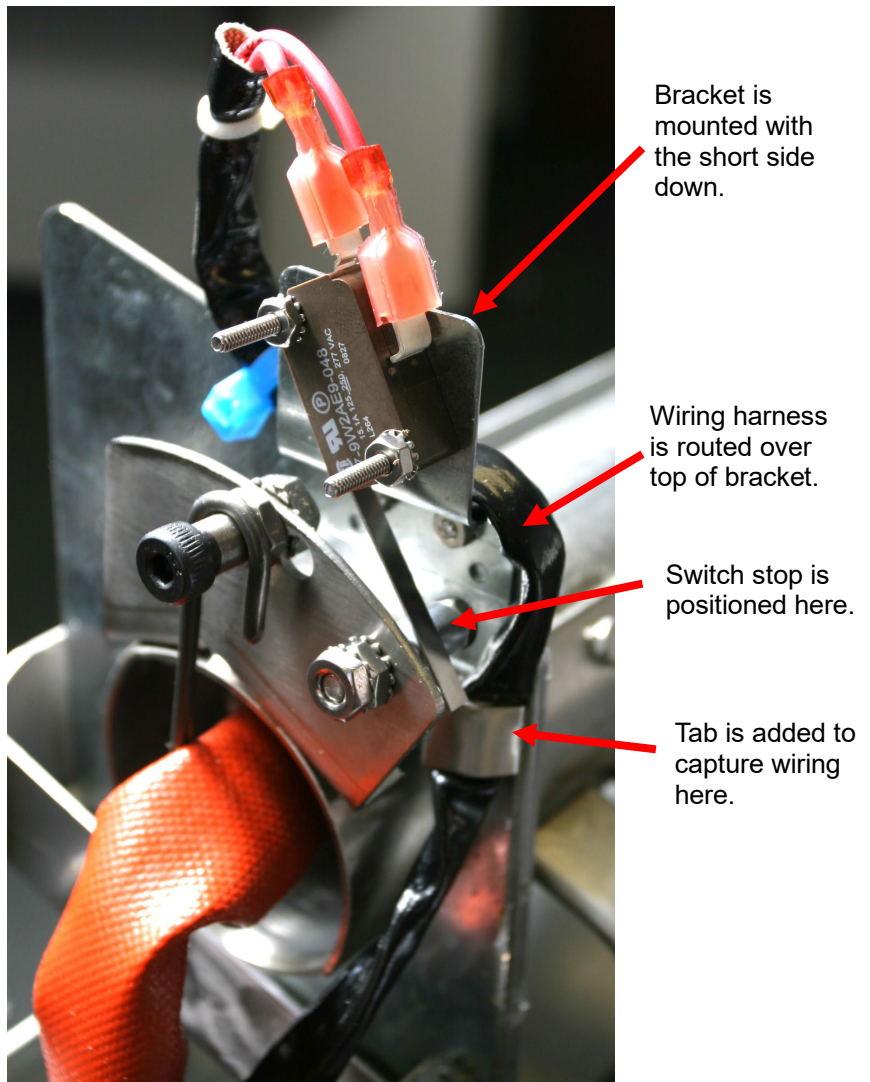


Figure 1: New tilt switch shown installed.

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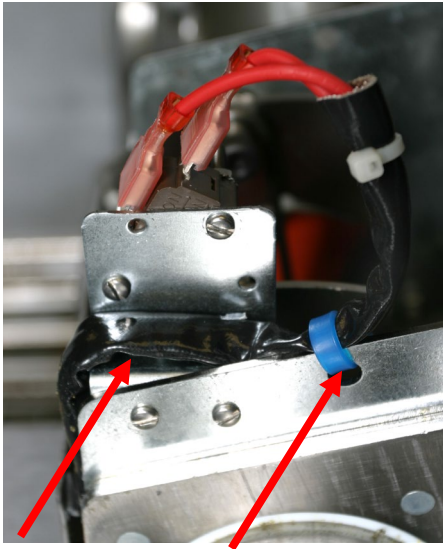


Figure 2: Align the mounting holes on the bracket to ensure the top is level (as shown). Route the wiring harness over the platform on the bracket, securing it with the wire tie.



Figure 3: The switch bracket is shown installed on the outer side of the element assembly. Mount it with the short side down, using the provided short screws. See Figures 4-7 for specific position mounting.

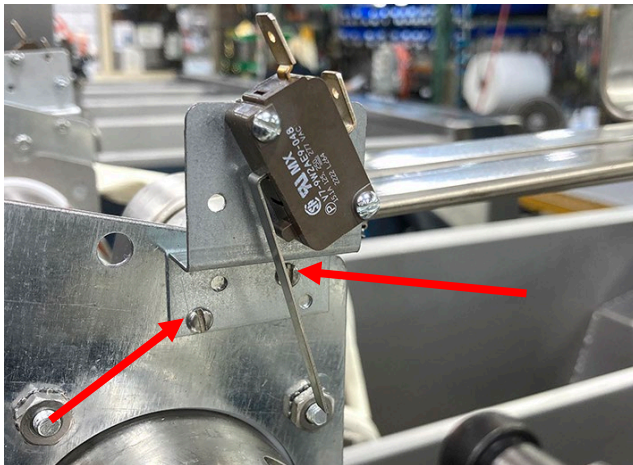


Figure 4: The switch bracket mounted on the left side of a full vat or the left-side of a split vat showing the screw positions for the left-side outer view mounting.

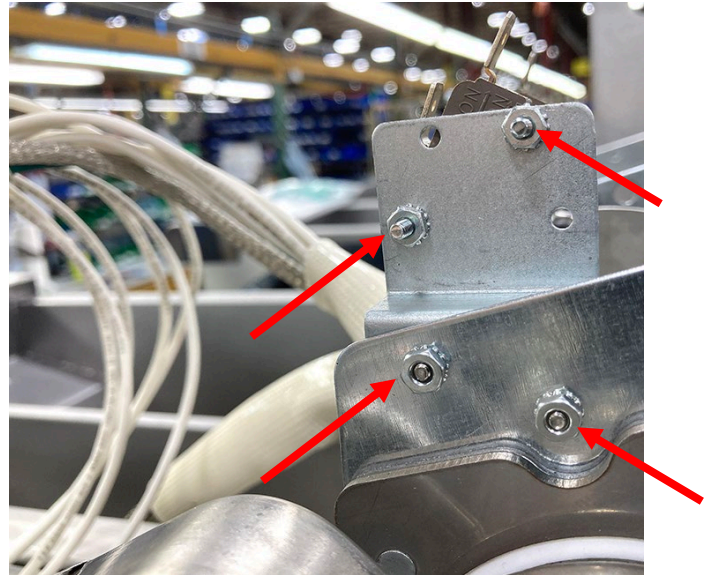


Figure 5: The switch bracket mounted on the left side of a full vat or the left-side of a split vat showing the screw positions for the left-side inner view mounting.

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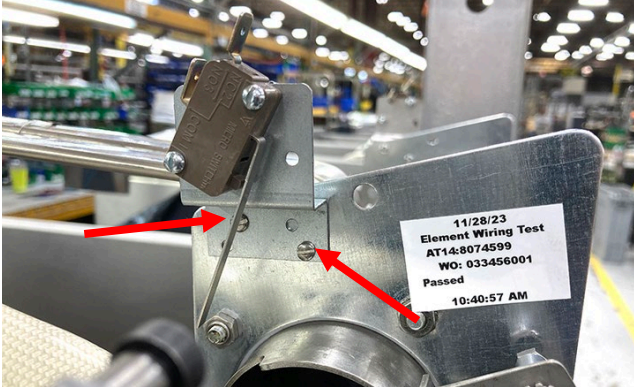


Figure 6: The switch bracket mounted on the right side of a split vat showing the screw positions for the right-side outer view mounting.

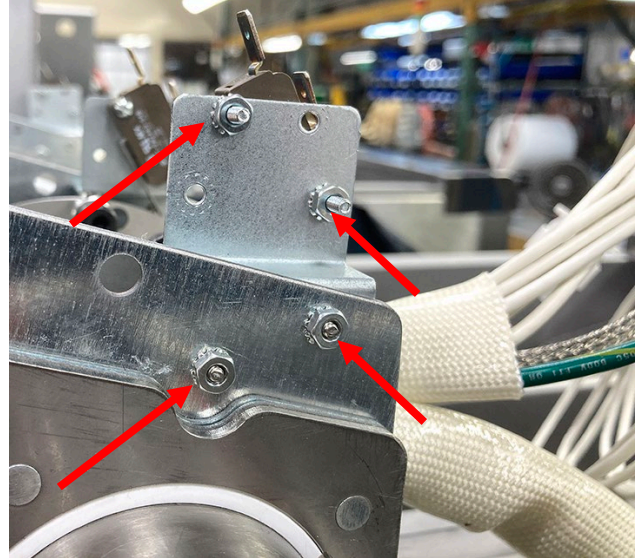


Figure 7: The switch bracket mounted on the right right-side of a split vat showing the screw positions for the right-side inner view mounting.

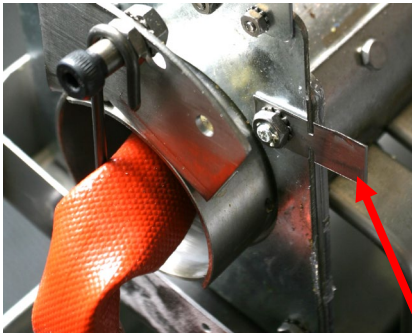


Figure 8: Tab is shown positioned for placement of wire.

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1. Mount the switch with the provided longer screws, as shown in **Figures 1, 5 and 7**. The heads of the screws should be on the element side of the bracket as shown in **Figures 2, 4 and 6**.
2. Attach the wiring harness (polarity is not a factor) and route over the top of the bracket, as shown in **Figures 1, 2**. Secure the wiring harness with the provided blue wire tie.
3. Route the wire over the edge of the bracket and down to the wire-capture tab as shown in **Figures 1 and 8**. Lower the element to ensure there is enough slack in the wiring harness to allow the switch stop to rotate fully forward. Bend the wire capture tab over the wire harness see **Figure 1**.
4. Route the wire through the grommet in the element bracket assembly as shown in **Figure 9**.
5. Use a pin-pusher 8100632 supplied to remove the existing tilt switch wiring (or the jumper if present) and position the wire leads from the new switch in the same pin positions. **See Figures 10, 11 and 12**.
6. Ensure the element rotation is not hindered by the switch bracket or screws and the wiring is not being stressed or pinched.
7. Test operation of the tilt switch.
8. Replace back, tilt housing and reposition fryer.
9. Ensure element rotation is not hindered.

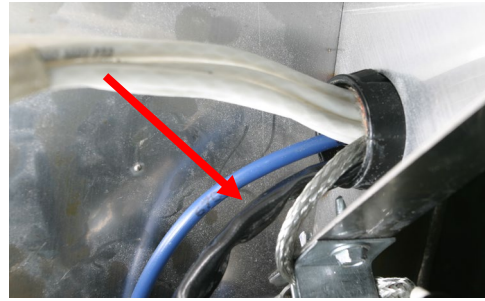


Figure 9: Route the wiring along the element wiring and through the grommet in the element bracket assembly as shown above (See arrow).

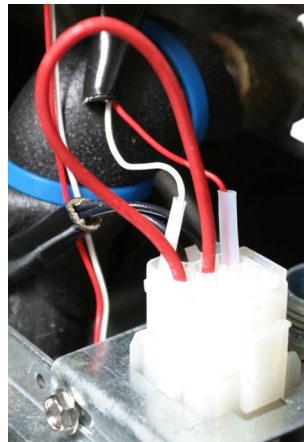


Figure 10: Fryers without existing tilt switches will have a jumper wire in place in the harness plug (shown above). Existing tilt switch wiring will occupy the same plug positions. In either case, use a pin pusher to remove existing wiring and replace with the mechanical switch wiring. Polarity is not a factor.

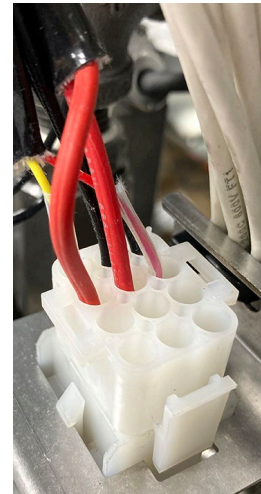


Figure 11: Full vat fryer with attached tilt switch wiring. Polarity is not a factor.



Figure 12: Split vat fryer with attached tilt switch wiring. Polarity is not a factor.