

# Causes of Rotisserie Continually Rotating

(Door Interlock Switch, Solid State Relay, and Foot Switch)

1. Check the door interlock switch to see if the switch is sticking. (Door interlock switch is either located in the inside door frame above the left meat door opening (on older models) or in the right side door frame on newer models. (fig.1) If stuck, clean actuator with WD 40 or other suitable product (listen for a clicking sound to tell if it is working).

*Replace the switch if cleaning does not free up the switch.*

2. If the switch is not stuck (clicking sound is present), check the contacts on the back of the switch with a multi meter to ensure the normally open and normally closed contacts are functioning properly.

- To do this remove the two screws from the switch bracket and pull the switch assembly out. (Oven must be turned on) **CAUTION:** the wires attached to the back of the switch will have live power. Attach one wire of the meter to a ground and the other to the normally open terminal and it should show 120V AC, then attach the wire to the normally closed terminal and it should also have 120V AC. (fig.2)

*Replace the switch if it is stuck in one position or the other.*

3. If your smoker is a digital control model it is possible the solid state relay (SSR) has failed in the closed position.

- To check this, remove the six screws that hold the main control panel on, and pull the control panel out and find the relay for the rotisserie. (fig. 3) With a volt meter check the voltage across the output side of the SSR terminals labeled 1 & 2 you should read 120V AC, if you read zero volts the SSR is closed and is stuck on, replace the SSR.

4. If your smoker is equipt with a foot switch. Contacts on the foot switch may be stuck in the closed position.

- Check the foot pedal to determine that nothing heavy is on top of the foot pedal, keeping the switch in the closed position.
- Check the contacts on the air switch to verify that they open and close with foot switch actuation. You can hear them click as they open and close. (fig.4)



(fig.1) door interlock switch



(fig.2) contacts on door interlock switch



(fig.3) rotisserie relay



(fig.4) foot switch contacts