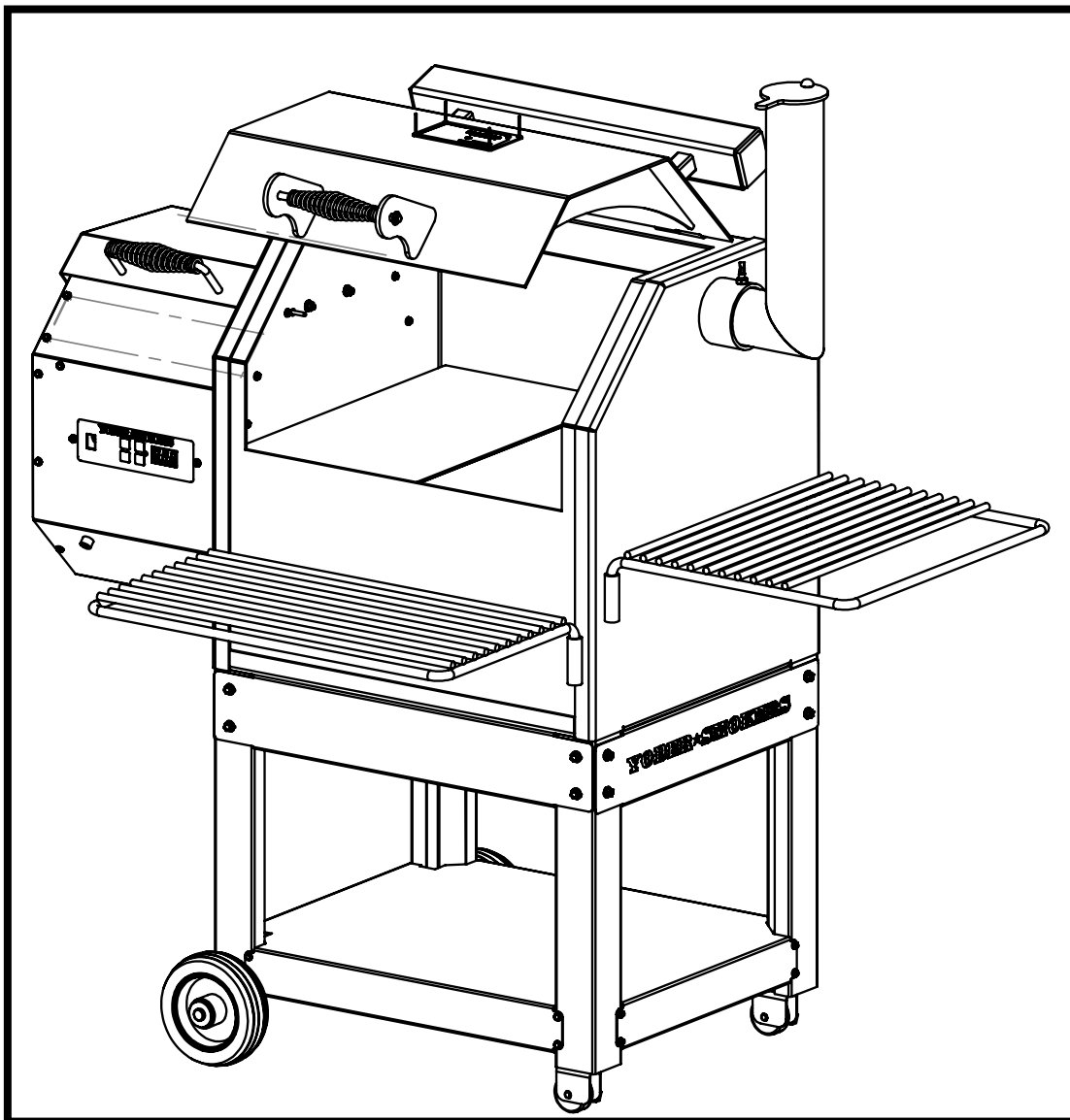


★ **YODER SMOKERS** ★
COMPETITION GRADE BBQ PRODUCTS

A90476

Pellet Smoker

PROCEDURE TO RELOCATE
THE THERMOCOUPLE



VERSION 3 - OCT, 2014

Procedure for Relocating the Thermocouple:

! CAUTION: BEFORE BEGINNING THIS PROCEDURE, INSURE THAT THE POWER CORD TO THE SMOKER IS DISCONNECTED! FAILURE TO DO SO MAY RESULT IN BODILY INJURY.

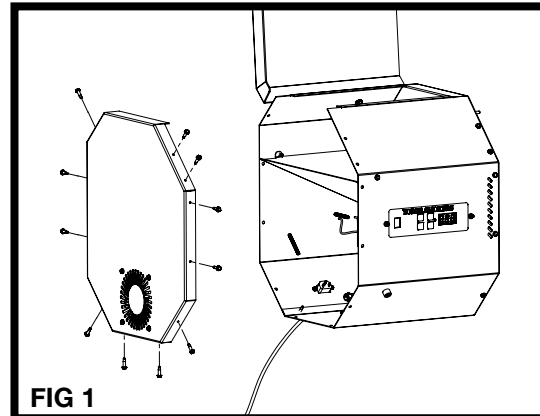
TOOLS REQUIRED

1. Small phillips head screwdriver
2. Small blade (Jewelers) screwdriver
3. 1/4" drill bit
4. #24 drill bit
5. 5/16" socket

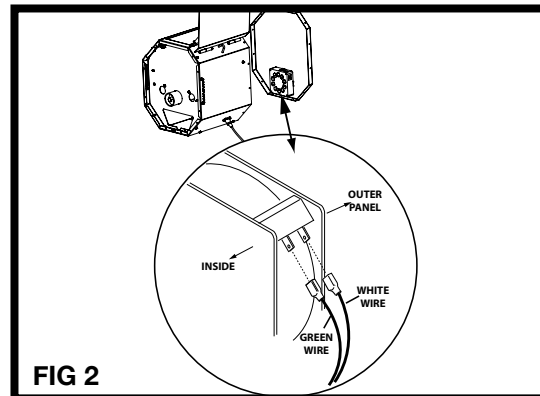
PARTS REQUIRED

1. 90461LFP - T-couple bracket
2. 632x38MS - T-couple bracket bolt
3. 632HN - T-couple bracket nut
4. 1420x4HB - T-couple plug bolt
5. 90481 - T-couple Template
6. 90454 - Thermal Couple

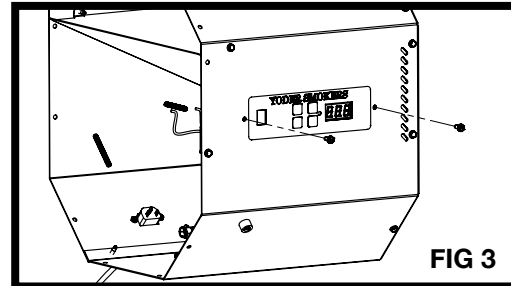
1. On existing hopper, take a 5/16" socket or nut driver and remove eleven 10x34 self-tapping screws securing the hopper end panel, then pull off the panel.



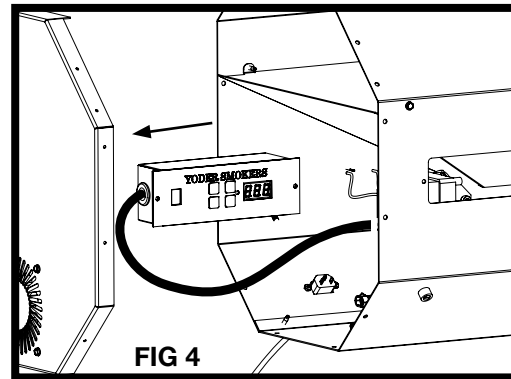
2. Disconnect two wires (one green, one white) from the fan. (Make a not of which fan terminal gets green, and which gets white).



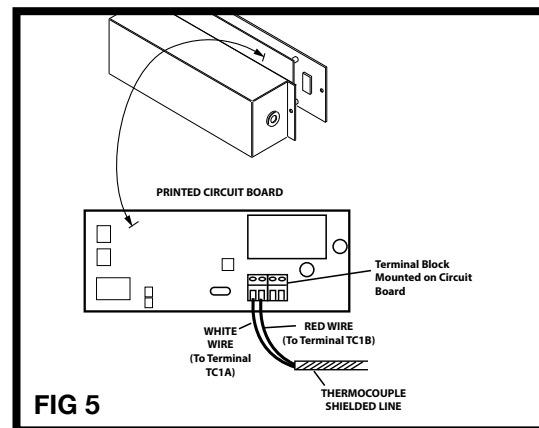
3. Using a 5/16" socket, remove two 1024x12 controller bolts that secure the control box to the hopper.



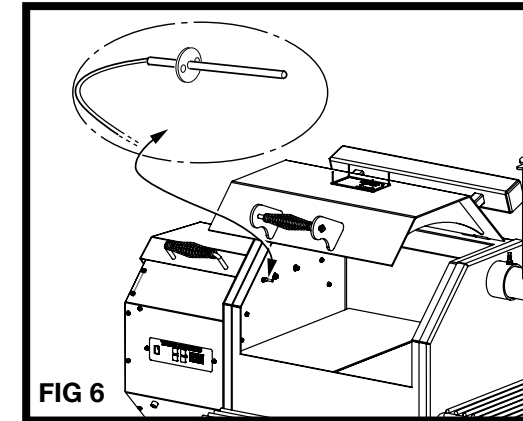
4. Pull out control box and spread it open to gain access to the wiring on the back side of the green circuit board.



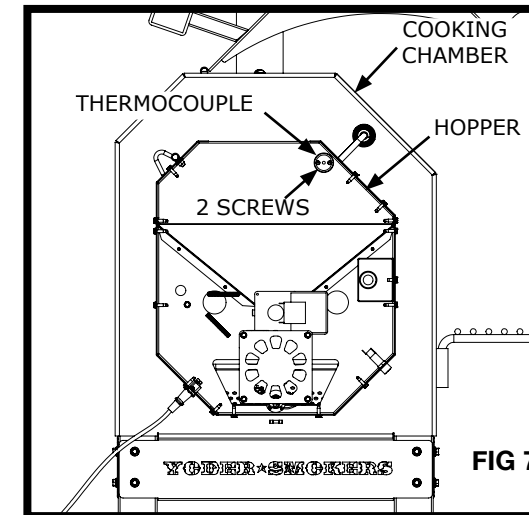
5. Disconnect two thermocouple wires on the green circuit board using a small blade screwdriver (FIG 5). Pull these wires out of the control box and hopper and let them hang loose inside the cooking chamber for later hook-up with the new hopper assembly.



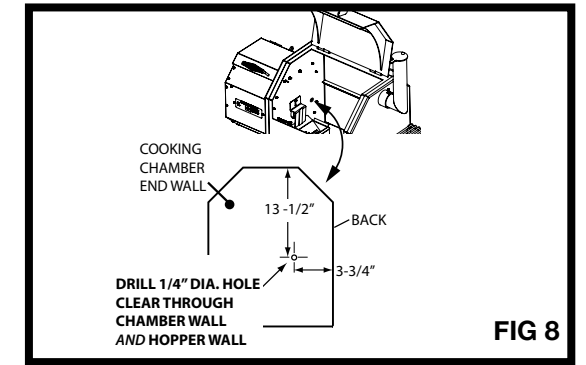
6. Existing thermocouple is mounted inside the pellet hopper and protrudes into the smoker cooking chamber as shown in FIG 6.



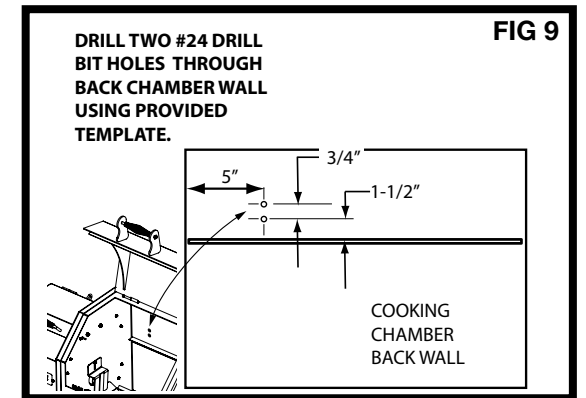
7. From inside the pellet hopper, remove two screws that hold the existing thermocouple in place. See FIG 7.



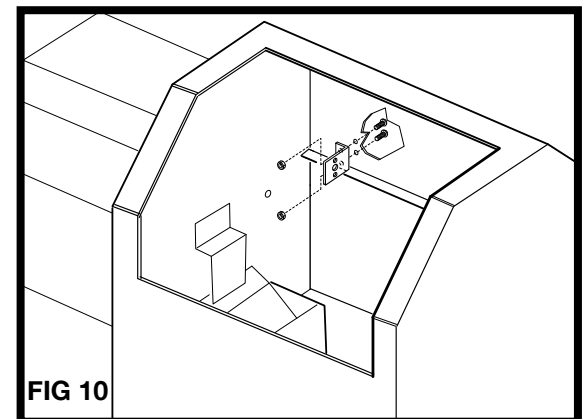
8. Pull thermocouple wires out of box and completely remove the thermocouple from the hopper enclosure.
9. Prepare to relocate the thermocouple inside the cooking chamber by drilling a 1/4" hole into the chamber wall. See FIG 8.



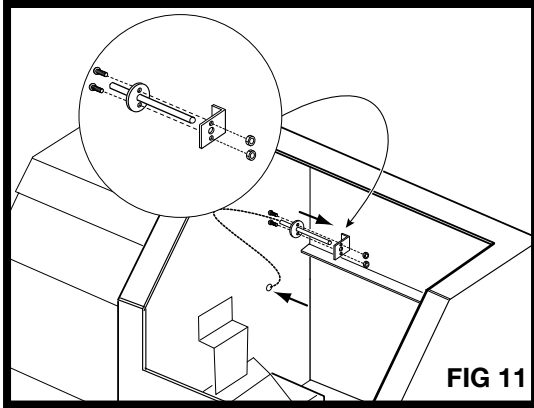
10. Drill two holes for mounting the thermocouple bracket. See FIG 9.



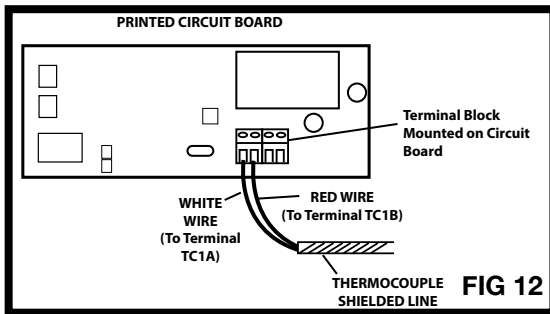
11. Secure thermocouple mounting bracket to the back of the cooking chamber with two 632-38 screws and nuts. See FIG 10.



12. Secure thermocouple in mounting bracket with two 632x38 screws and nuts. Then feed braided wire back through holes previously drilled into the hopper. See FIG 11.



13. Route the thermocouple wires through the grommet of the control box and re-attach to the black terminal block on the green circuit board (white wire to terminal TC1A; Red wire to terminal TC1B).



14. Re-install control box into front of pellet hopper using two screws. See **FIG 3**.
15. Reconnect wiring spade terminals to fan. See **FIG 2**
16. Re-install hopper end panel using 11 screws. See **FIG 1**.

END OF PROCEDURE