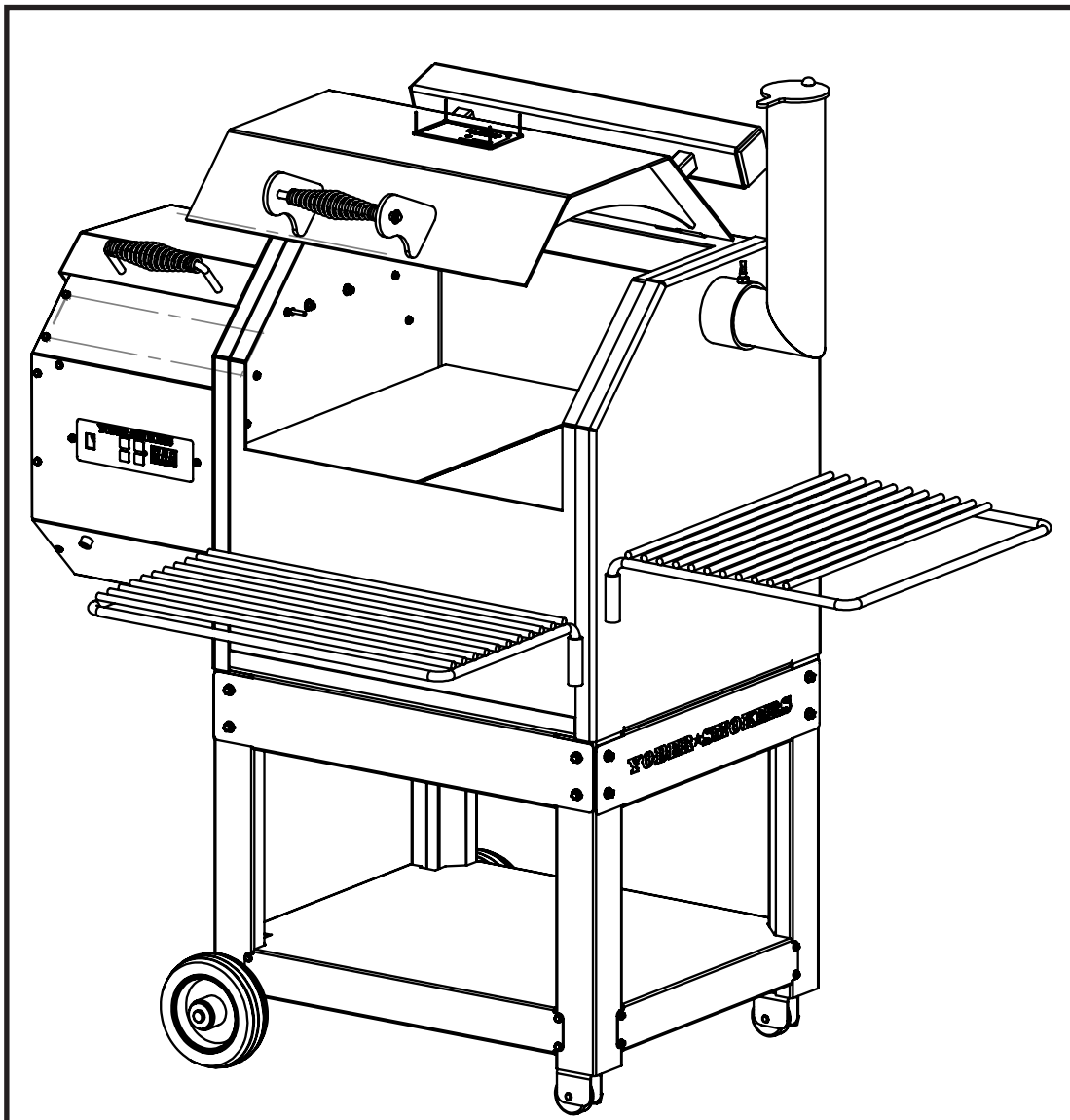


★ **YODER SMOKERS** ★  
COMPETITION GRADE BBQ PRODUCTS

90454

Pellet Smoker

PROCEDURE TO INSTALL  
A REPLACEMENT THERMOCOUPLE



VERSION 1 - JUN, 2013

# Procedure for Replacing the Thermocouple:

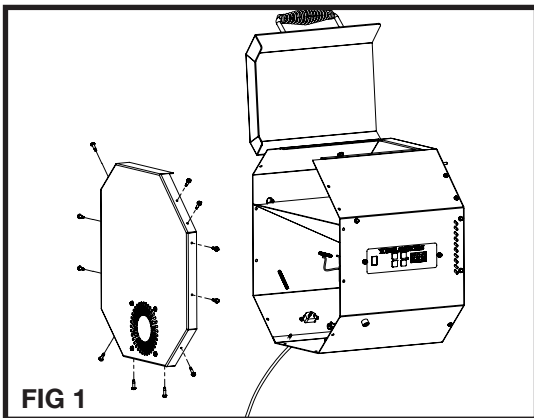
**! CAUTION: BEFORE BEGINNING THIS PROCEDURE, INSURE THAT THE POWER CORD TO THE SMOKER IS DISCONNECTED! FAILURE TO DO SO MAY RESULT IN BODILY INJURY.**

## TOOLS REQUIRED

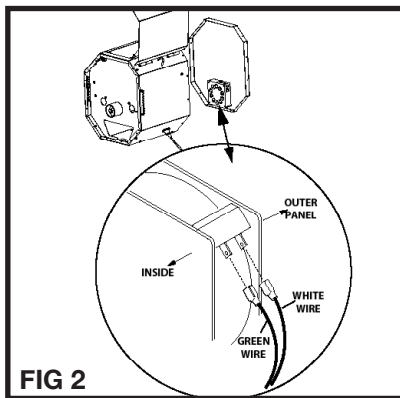
1. Small phillips head screwdriver
2. Small blade (Jewelers) screwdriver
3. 5/16" socket

## PARTS REQUIRED

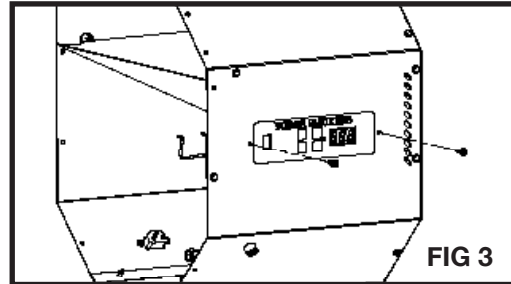
1. 90454 - Thermal Couple
1. On existing hopper, take a 5/16" socket or nut driver and remove eleven 10x34 self-tapping screws securing the hopper end panel, then pull off the panel.



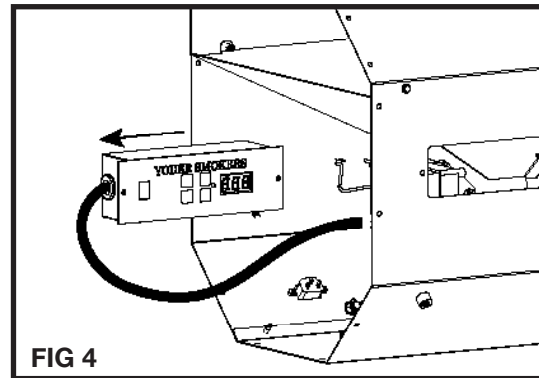
2. Disconnect two wires (one green, one white) from the fan. (Make a note of which fan terminal gets green, and which gets white).



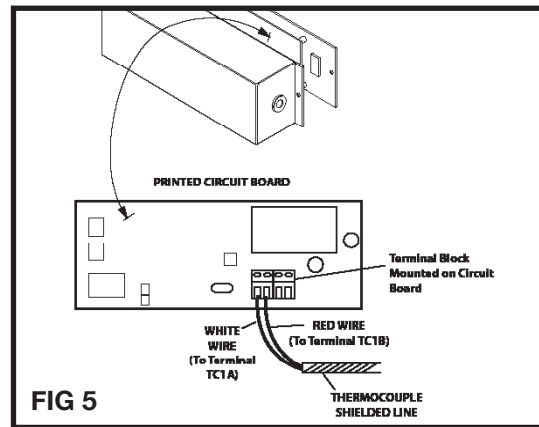
3. Using a 5/16" socket, remove two 1024x12 controller bolts that secure the control box to the hopper.



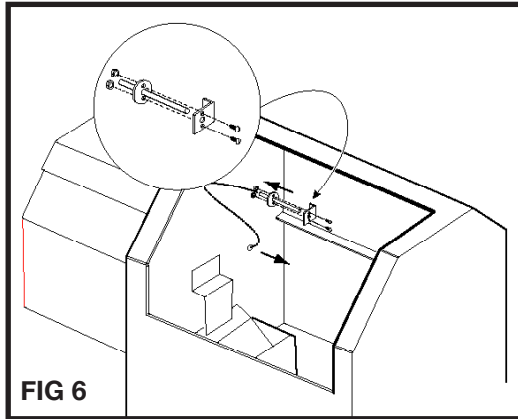
4. Pull out control box and spread it open to gain access to the wiring on the back side of the green circuit board.



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.

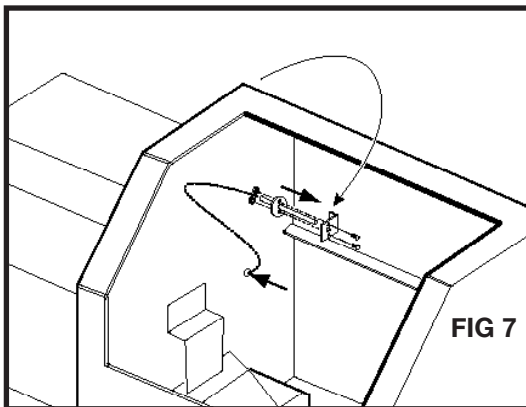


- Remove thermocouple from mounting bracket by unscrewing #6-32x1.5" screws and nuts. Save screws for installation of new thermocouple. Gently pull thermocouple wires out of hopper through hole. See **FIG 6**.



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

- Secure new thermocouple in mounting bracket with the two #6-32x1.5" screws and nuts. Then feed thermocouple wire back through hole into hopper.



- 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).

