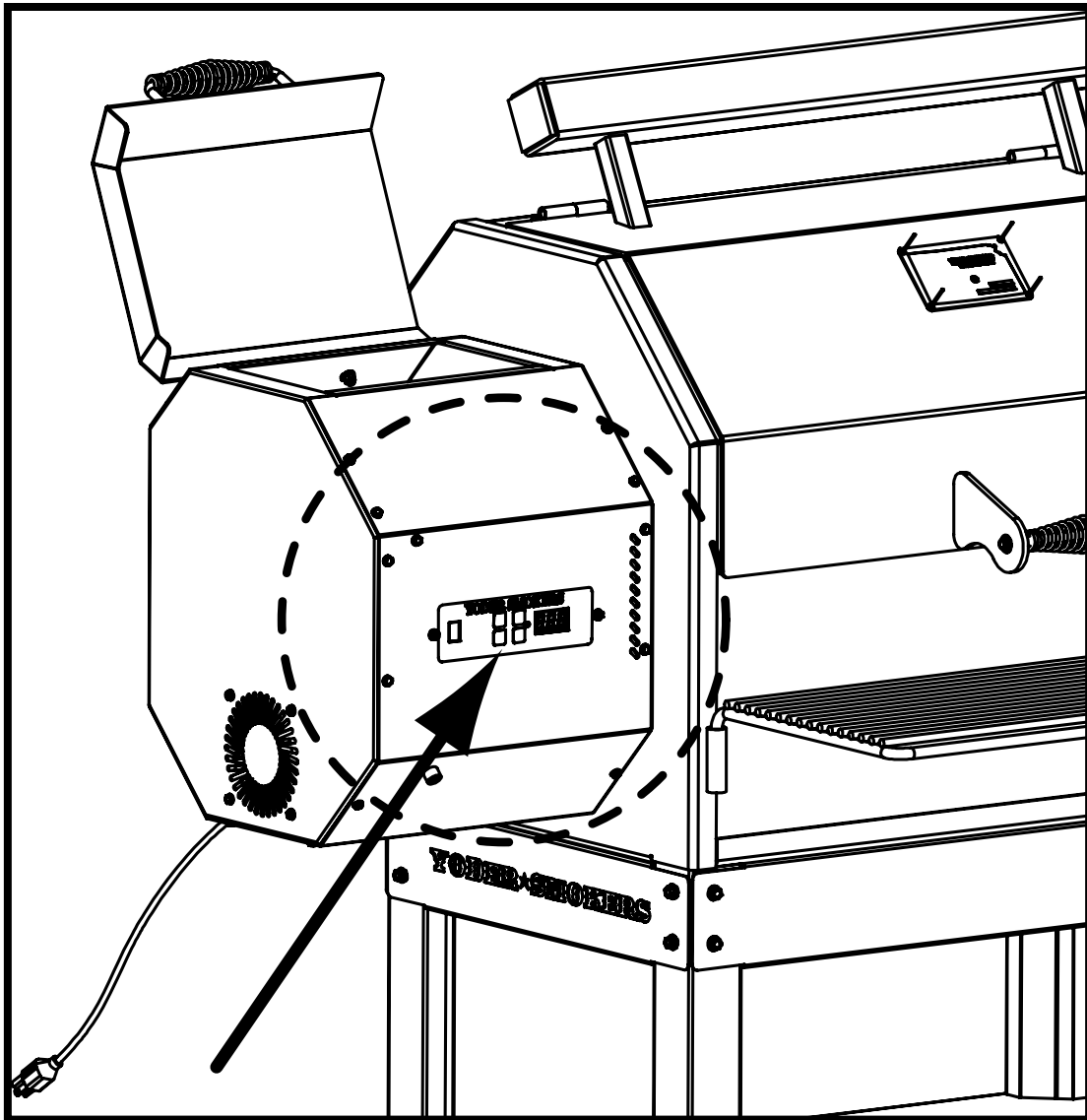


★ **YODER SMOKERS** ★
COMPETITION GRADE BBQ PRODUCTS

A90152
Pellet Smoker

PROCEDURE TO REPLACE THE CONTROL BOX



Procedure for Replacing Pellett Smoker Control Box:

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

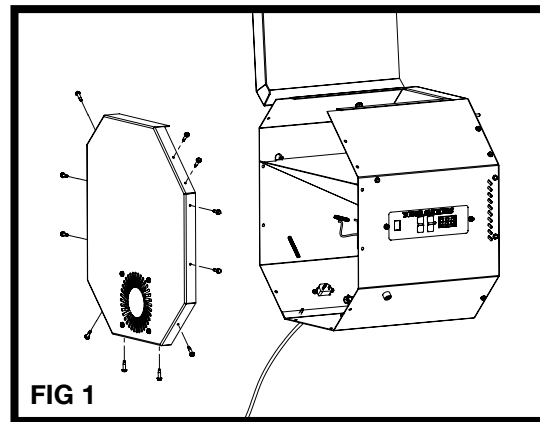
TOOLS REQUIRED

1. 5/16" Socket
2. Small blade (Jewelers) screwdriver

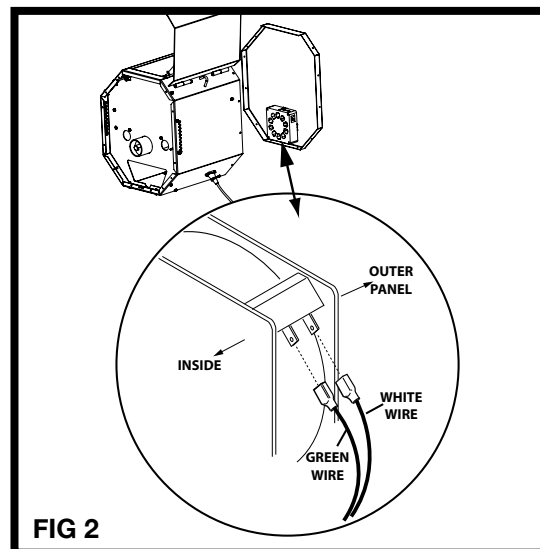
PARTS REQUIRED

1. 10x34 HHSDS - 5/16 Self-Tapping Screw
2. 1024x12 HHSTS - Controller Bolts
3. 90152 - Control Board/Comp

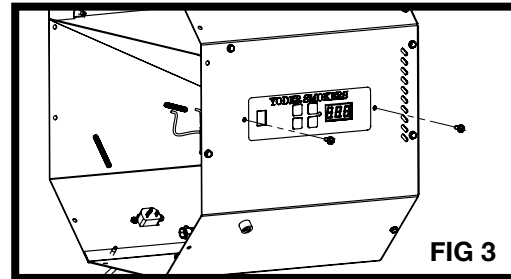
1. On existing hopper, take a 5/16" socket or nut driver and remove eleven 10x34 self-tapping screws securing the hopper end panel, then pull off the panel.



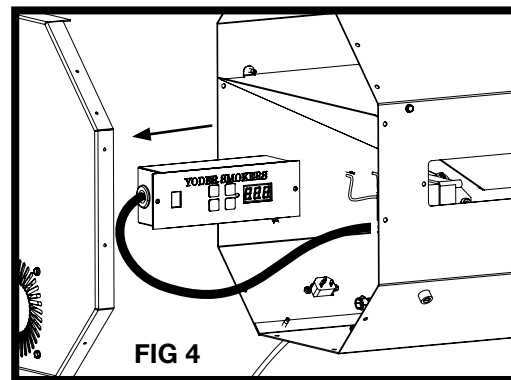
2. Disconnect the two wires (one green, one white) from the fans. (Make a note of which fan terminal gets green, and which gets white).



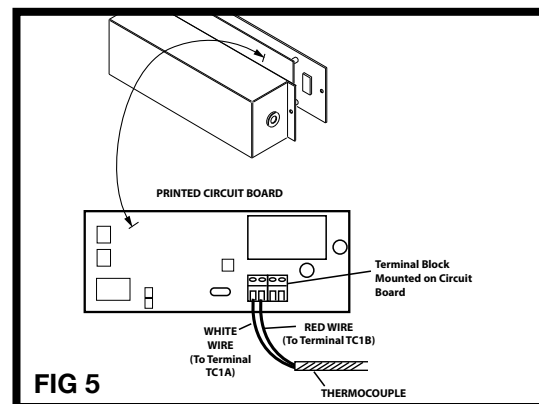
3. Using a 5/16" socket, remove two 1024x12 controller bolts that secure the control box to the hopper.



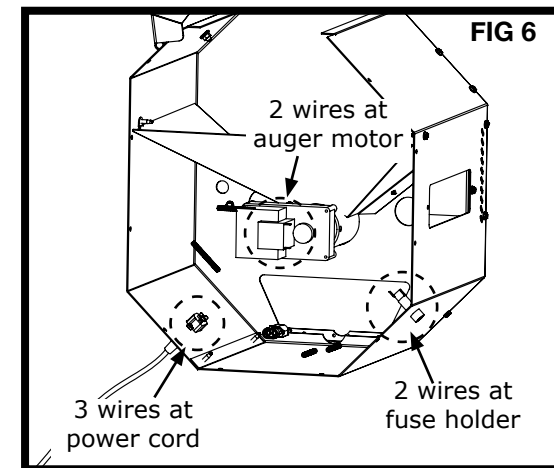
4. Pull out control box and spread it open to gain access to the wiring on the back side of the green circuit board.



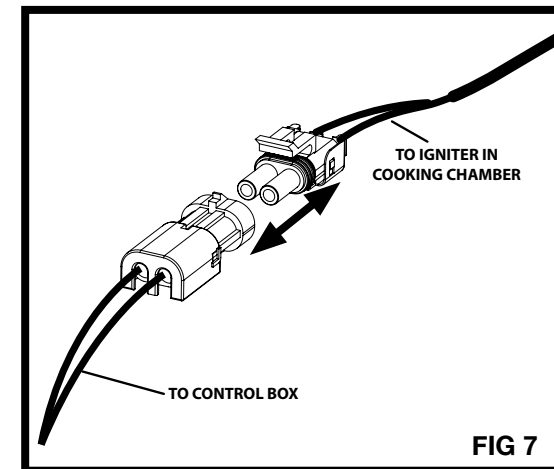
5. Disconnect two thermocouple wires on the green circuit board using a small blade screwdriver (FIG 5). Pull these wires out of the control box and hopper and let them hang loose inside the cooking chamber for later hook-up with the new control box.



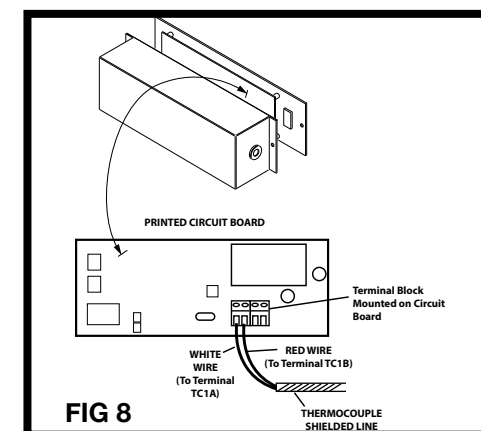
6. Unplug all wiring at spade connector ends.



7. Disconnect igniter connector (located inside the lower hopper).

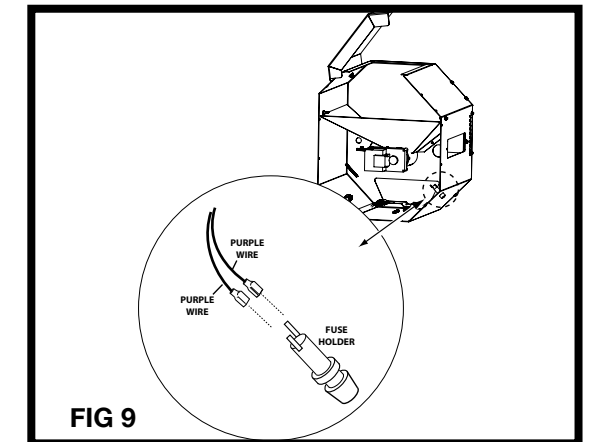


8. Route the thermocouple wires through the grommet of the new control box and re-attach to the black terminal block on the green circuit board (white wire to terminal TC1A; Red wire to terminal TC1B). See FIG 8.

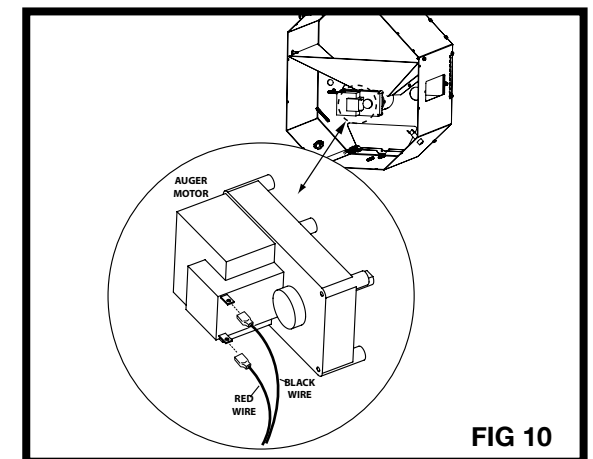


9. Install replacement control box into the front of the pellet hopper using 2 screws. See FIG 3.

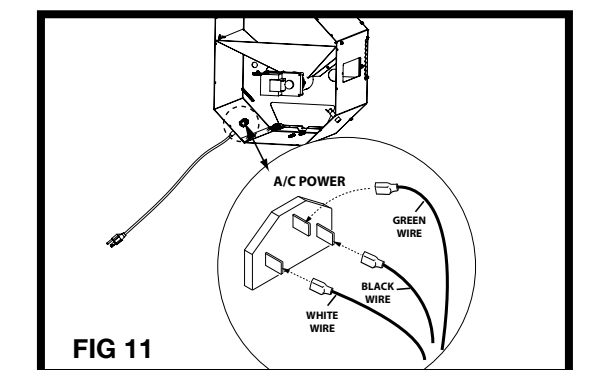
10. Reconnect wiring spade terminals to fuse holder (2 purple wires). See FIG 9.



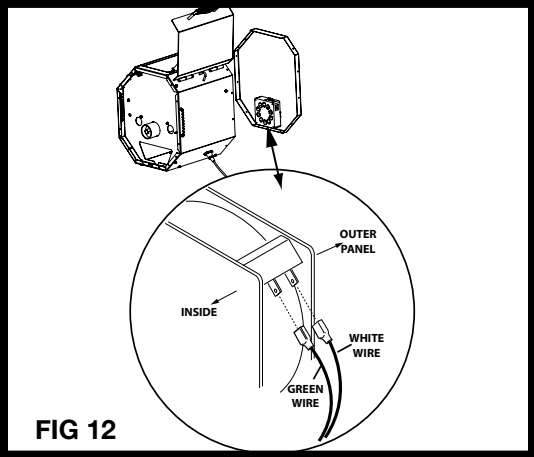
11. Reconnect wiring spade terminals to auger drive motor. See FIG 10.



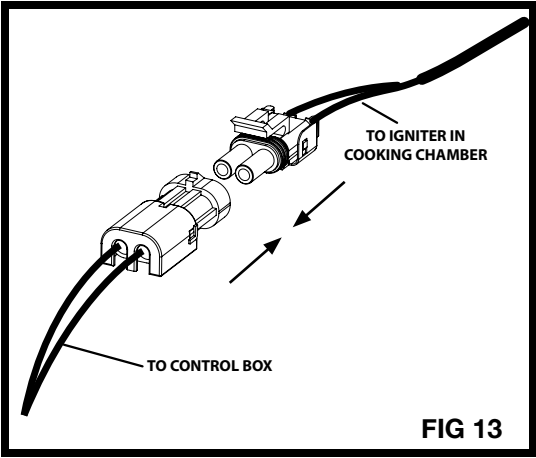
12. Reconnect wiring spade terminals to A/C power connector. See FIG 11.



13. Reconnect wiring spade terminals to fan.



14. Reconnect igniter connector.



15. Reassemble hopper end panel using eleven 10x34 self-tapping screws. See **FIG 1**.

END OF PROCEDURE