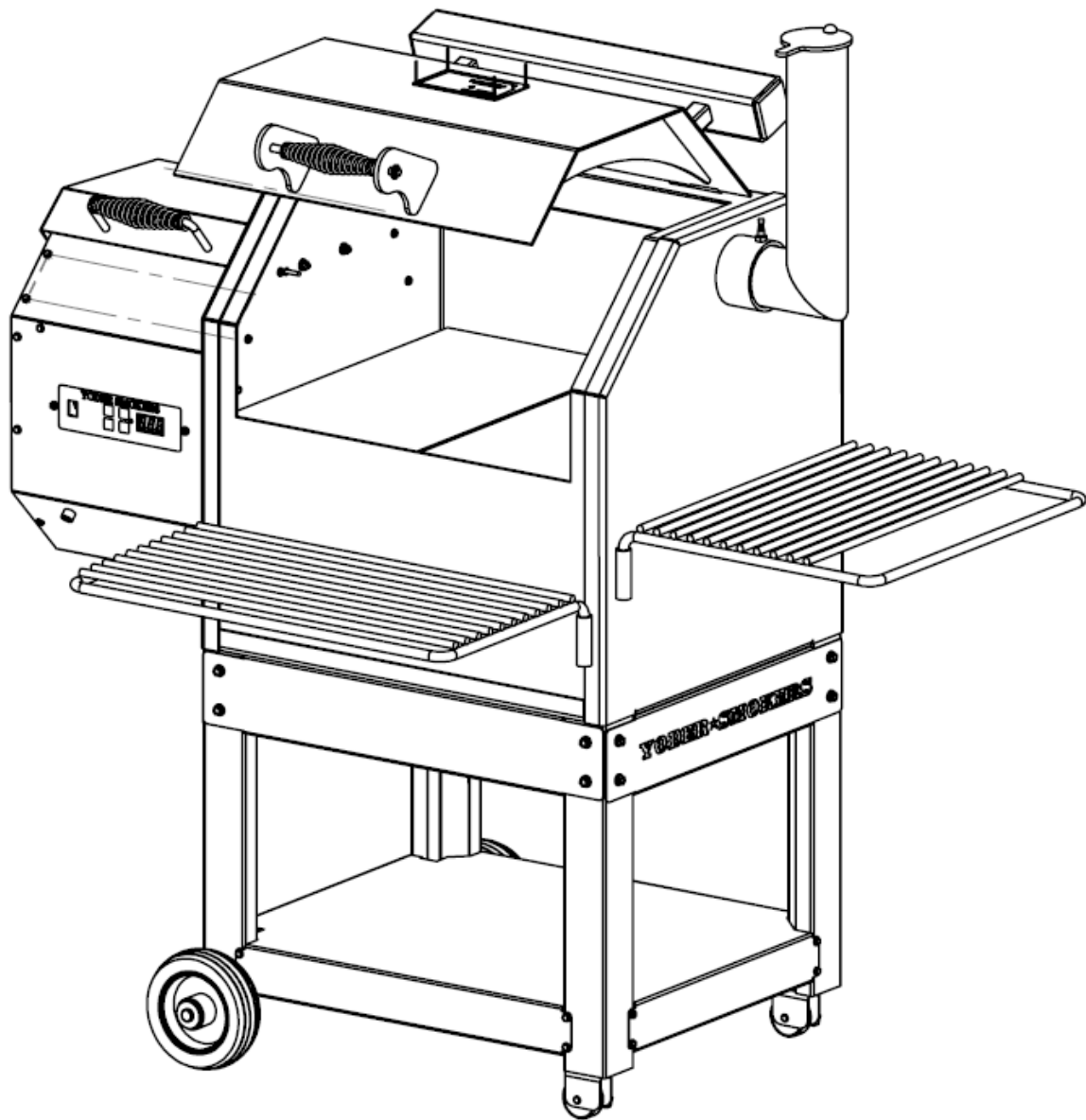


YODER ★ SMOKERS

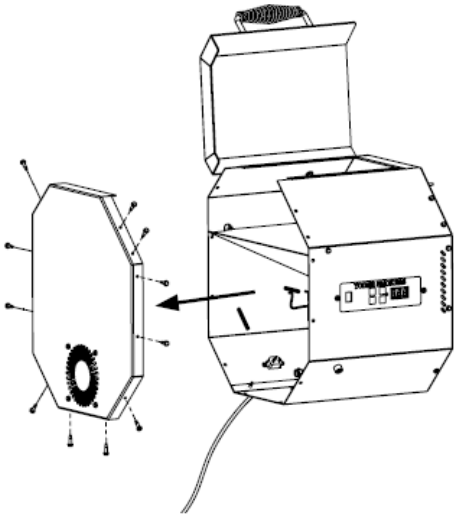
Procedure for replacing the fans in a Yoder Smokers Pellet Grill

(YS480, YS640, YS1500 Models)

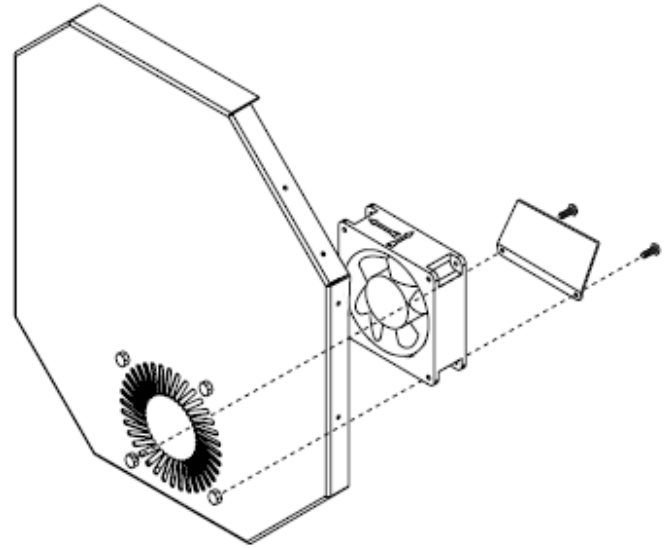


! CAUTION: BEFORE BEGINNING THIS PROCEDURE, INSURE THAT THE POWER CORD TO THE SMOKER IS DISCONNECTED! FAILING TO DO SO MAY RESULT IN BODILY INJURY.

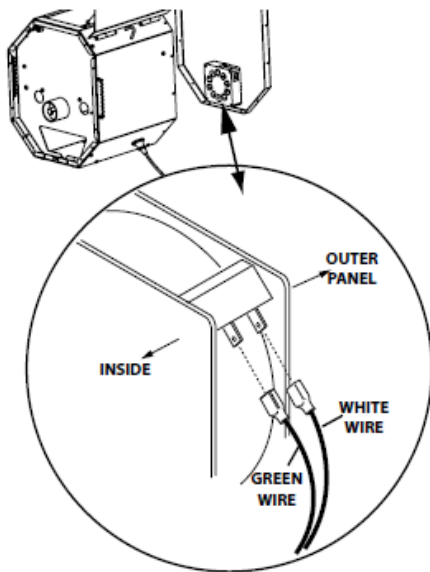
1. Remove the eleven screws (#10 x 3/4" Hex Head Self-Drilling Screws) securing the hopper end panel, and then pull out the panel.



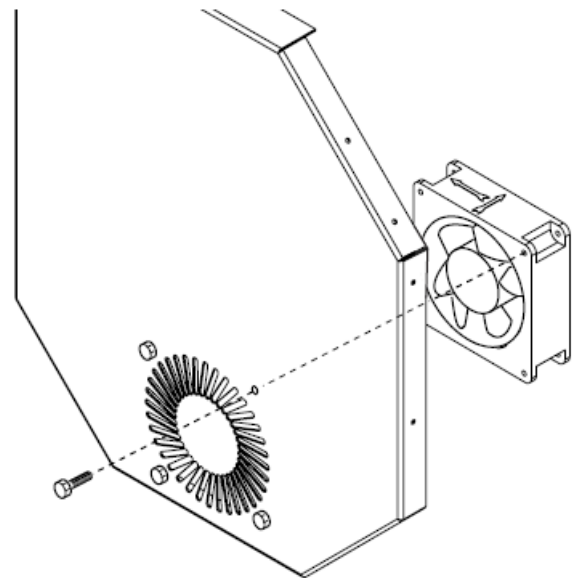
3. Remove the fan diffuser from the outer fan by loosening the two 632x38MS screws and two 632HN nuts.



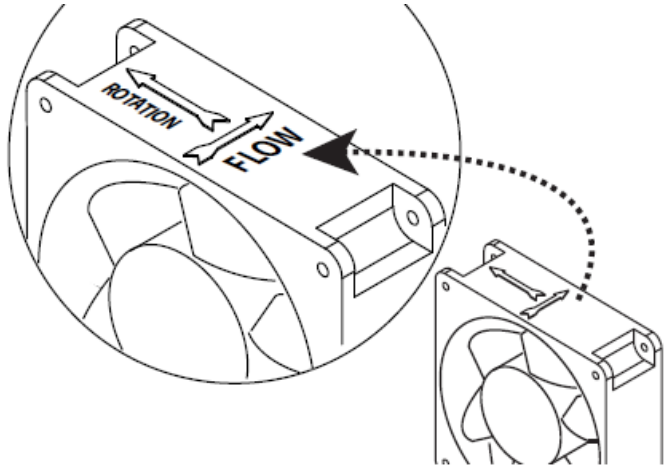
2. Disconnect the two wires (one green, one white) from the outer fan. **NOTE: (Disconnect the two purple wires from the fuse holder on Comp cart models only)**



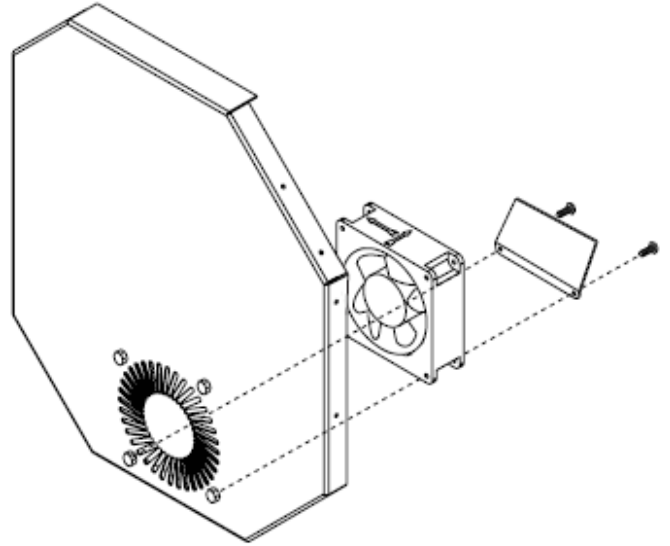
4. Remove existing fan from outer Hopper panel by removing the four screws (#10x3/4 hex head self drilling).



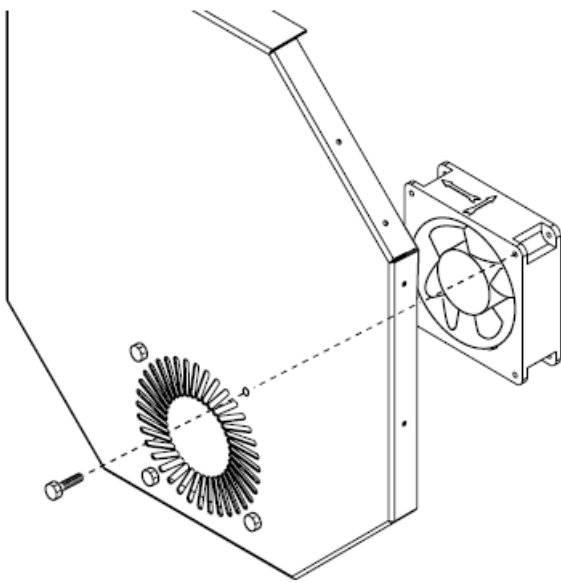
5. **Important:** On the top of both fans are directional arrows indicating the correct orientation for the fans. Make sure that the new fan matches the air flow orientation as shown below. (air flow direction pointed towards chamber)



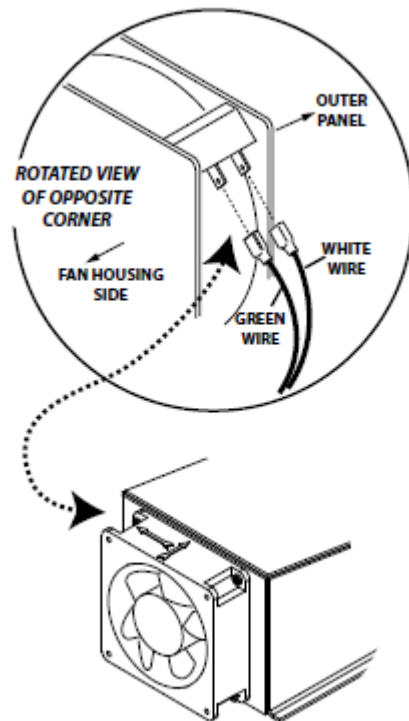
7. Install the fan diffuser to the outer fan using the two 632x38MS screws and two 632HN nuts.



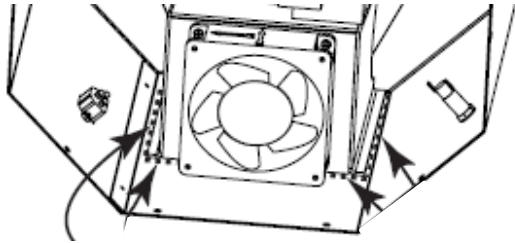
6. Install the new outer fan to the hopper end panel using the 4 screws removed in step 3. (#10 x 3/4" Hex Head Self-Drilling Screws)



8. Disconnect the two wires (one green, one white) from the inner fan.

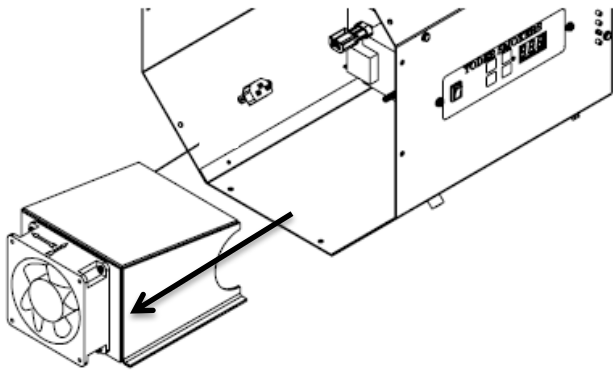


9. Next use a flat head screwdriver to loosen the housing from the silicone that is securing the inner fan housing in place. **NOTE: 240 volt models only(loosen the ground wire screw, nut and star washer before removing the housing)**

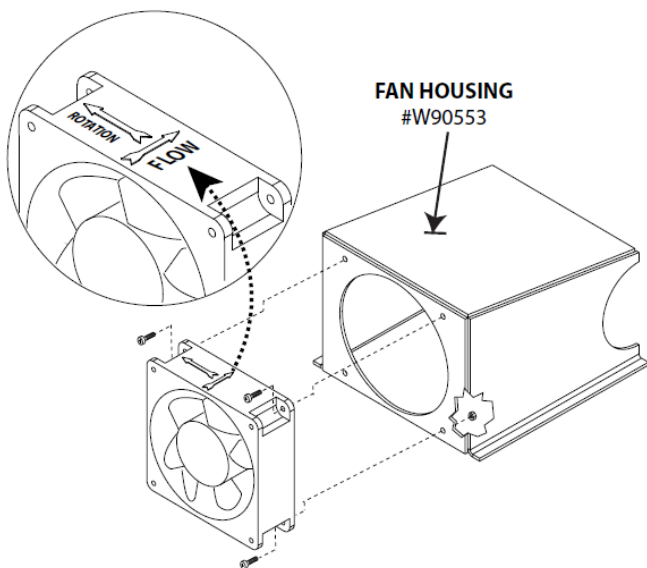


GROUND WIRE

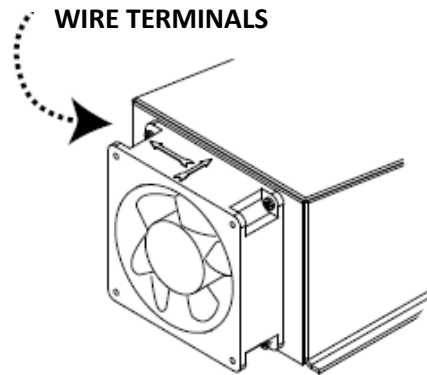
10. Remove the housing with the fan attached from the hopper to replace the inner fan.



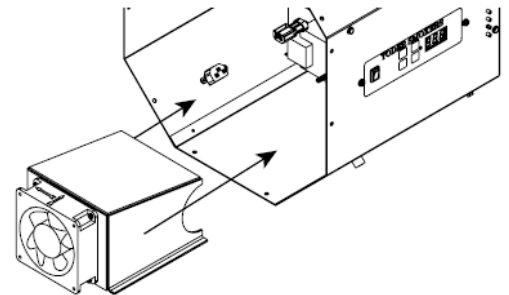
11. Using a phillips head screwdriver, loosen the four screws (#8-32x1/2" phillips head machine screws) and nuts (#8-32).



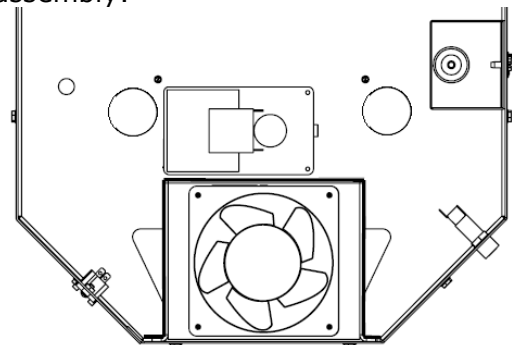
12. Install the new inner fan making sure that the air flow arrow is pointed towards the housing and the wire terminals are positioned to the upper left.



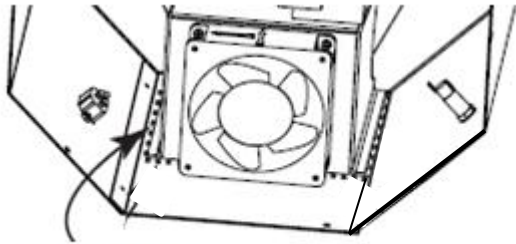
13. Apply silicone to the underside of each side of the housing and slide the housing in place against the inner hopper wall. **NOTE: make sure that the igniter wire is located in the large "C" cutout on the housing.**



14. View showing inner fan assembly positioned under the auger motor assembly:

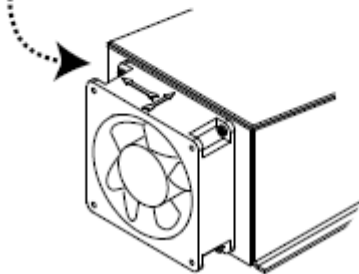
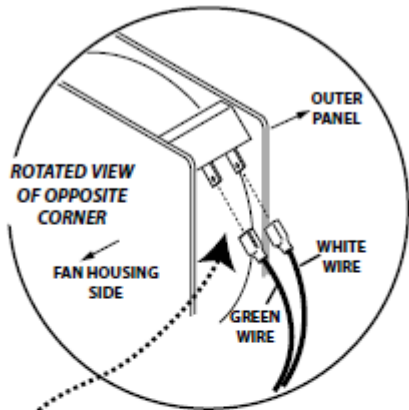


15. (240 volt models only) Position the housing so that the screw that was removed for the ground wire can be inserted into the housing. Secure the ground wire using the screw, nut and star washer removed in step 9.

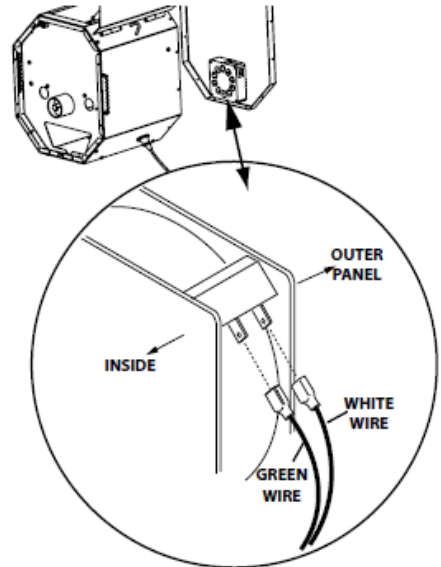


GROUND WIRE

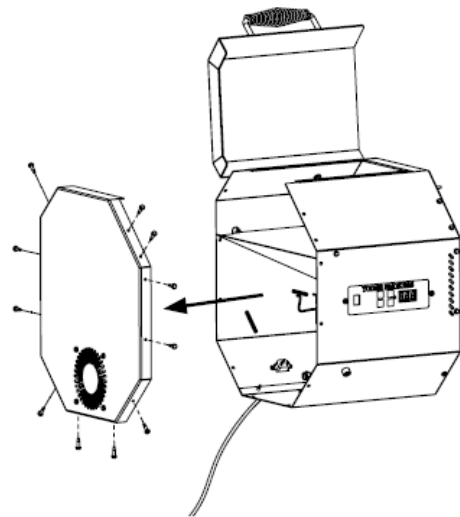
16. Connect the two wires (one green, one white) to the inner fan.



17. Connect the two wires (one green, one white) to the outer fan. NOTE: (Connect the two purple wires to the fuse holder on Comp cart models only)



18. Install the end panel using the eleven (#10 x 3/4" Hex Head Self-Drilling Screws) screws to secure the hopper end panel.



END OF PROCEDURE