

Sparta Coop Multi-Fuel Conversion for Amaizablaze 7100 Stove

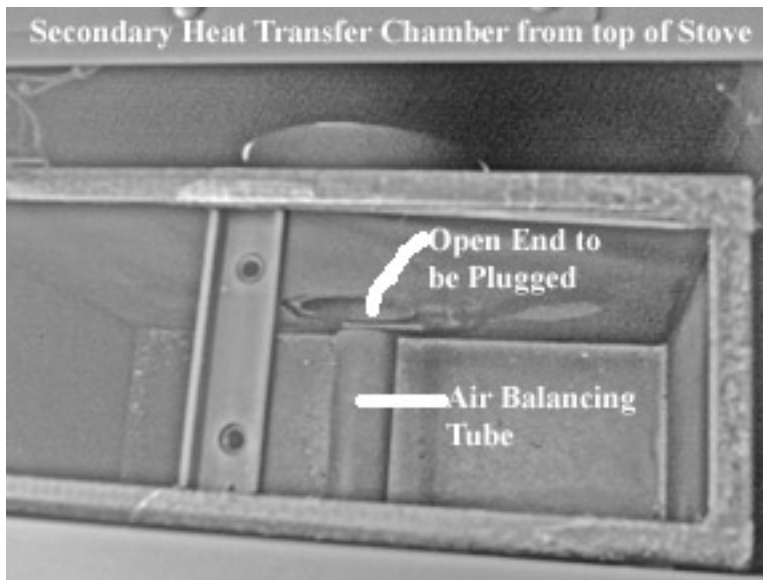
ATTENTION: THIS CONVERSION DOES NOT INCLUDE THE EXHAUST PIPING AND WALL THIMBLE NECESSARY FOR THROUGH-THE-WALL STOVE EXHAUST VENTING. MAKE SURE YOU USE AN UNDERWRITERS LABORATORY APPROVED EXHAUST PIPING SYSTEM FOR MAXIMUM SAFETY. WE CAN HELP YOU WITH THIS IF YOU WOULD LIKE.

1. Preparing the Stove for Conversion.

Make sure you do the following in this order.

- A. Disconnect the stove power cord from the electrical outlet.
- B. Disconnect the exhaust pipe and the cold air return pipe from the back of the stove.
- C. Facing the front of the stove, remove the panel on the left hand side.
- D. Open the top hinged blower cover on the right side top of the stove. Remove the 2 screws that hold the secondary heat transfer tube unit in place. Remove the secondary heat transfer tube assembly.
- E. Completely clean out the secondary heat transfer chamber and the inside of the exhaust tube on the back of the stove.

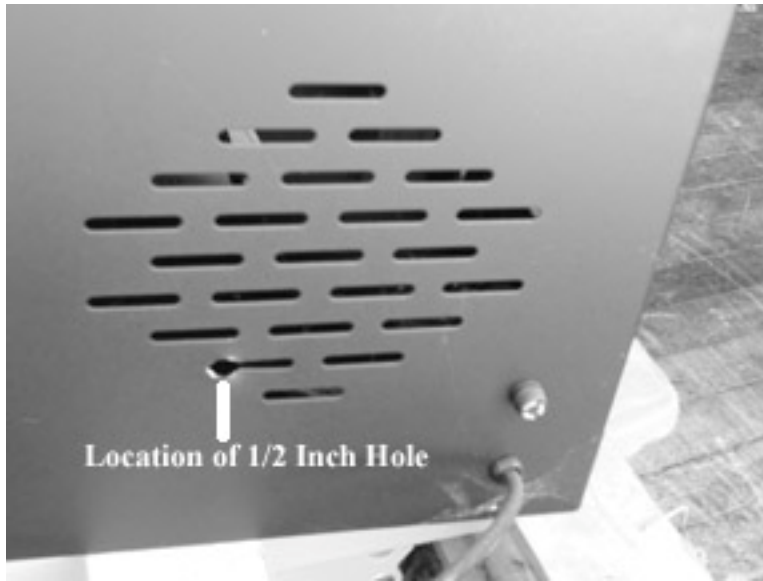
2. Making the Conversion



- A. The first thing we will do is plug the air balancing tube. Looking into the top of the secondary heat transfer chamber, you can see the air balancing tube. The spring steel

pipe plug needs to be inserted into the air balancing tube to close it off. You can accomplish this either from the inside of the secondary heat transfer chamber or through the exhaust pipe on the back of the stove. Make sure the end one inch of the air balancing tube is brushed as clean as possible and free of soot and corrosive material. Insert the spring steel pipe plug into the end of the air balancing tube. You may do this with your fingers from inside the secondary heat transfer chamber or by using the magnet included in this kit and an 8 inch long hex head bolt to insert the plug from the back of the stove through the exhaust tube. Either way will work. Using some silicone sealant around the edges of the spring steel pipe plug may help sealing off the air balancing tube.

B. Next you need to drill a 1/2 inch hole in the back of the stove to make an opening for the multi-fuel conversion wires. Facing the front of the stove, you will be working on the back left side of the stove. Using light pressure, place the drill bit on the left side of the second air slot from the bottom.



C. Temporarily put the multi-fuel fan/motor assembly on the exhaust pipe on the back of the stove. Feed the end of the wires through the 1/2 inch hole you drilled in the stove. The grommet is already on the electrical wire and can be secured into the hole in the back of the stove. Do not silicone the multi-fuel fan/motor assembly on the exhaust pipe until you are sure of the direction of the exhaust outlet. You may want to secure the wires to the fan motor with a wire hanger using the vertical slots directly to the right of the fan motor.



D. Facing the front of the stove, you will now work inside the left side panel you removed earlier. Locate the internal combustion fan and remove it by removing the two 5/16 inch hex head metal screws holding it in place. Locate the connectors for the power to the internal combustion fan and disconnect them. The internal combustion fan is now removed from the stove. Locate the wires you inserted through the drilled hole and grommet. The black and white power leads should plug into the connectors in the stove that used to power the internal combustion fan and will now power the multi-fuel fan. The internal wires with pink connectors have small ridges on the sides of the plastic pink covers. These ridges can be filed down to make the connectors fit together more easily. Now you will want to install the blank cover over the opening in the air manifold that the internal combustion fan used to occupy. Using the screws that held in the internal combustion fan, put the screw through the hole in one end of the blank cover and tighten lightly. Take the other screw and put it through the loop of the green ground wire from your electrical connecting wires and then put this screw through the other end of the blank cover and secure both screws until tight. This will ground your multi-fuel fan/motor assembly to the stove.



Your stove conversion is now complete.

Reinstall your secondary exhaust unit and secure in place. If you have gasket problems you may want to replace your flat gasket with ¼ inch rope gasket using the silicone sealant to secure it. Now replace the left side access panel.

You still need to use the silicone sealant to fix you multi-fuel fan/motor assembly to the proper direction for your exhaust venting.

Please keep the web address for Sparta Coop available for communication by e-mail and for updates concerning stoves and stove products.

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For information from Amaizablaze go to:

<http://cornstoves.info>