



HEARTH PRODUCTS

INSTALLATION INSTRUCTIONS

SCRAPPER ROD KIT
PART NO. 14750014, FOR MODEL PROFILE 20 FS

KIT CONTENTS:

- 4 ea. 1/4-20 Self Locking Nuts
- 1 ea. Offset Wrench
- 1 ea. Scrapper Rod
- 2" Silver Tape

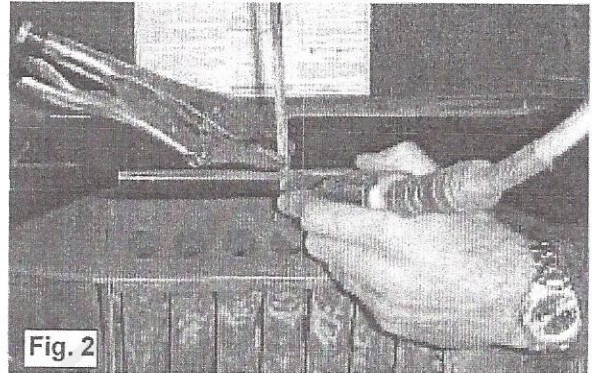
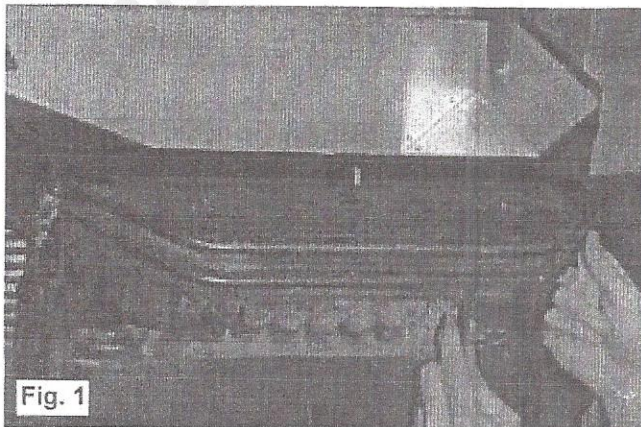
TOOLS REQUIRED:

- Cutting Wheel Or Hacksaw (cutting device for old scrapper rod)
- Locking Pliers
- Vice Grip Clamps (can be installed without these)
- 3/8" Wrench

INSTALLATION INSTRUCTIONS:

1. Using a 3/8" wrench, remove the top and bottom heat shields, including trim bars and set aside (the bolts are on the under side of the heat shield as shown in figure 1).
2. If old scrapper rod is still engaged in the scrapper plate, go to step three, if the rod is off of the stove, skip to step 4.
3. If the scrapper rod is still attached (RIV nut and rod are loose but are still inserted through the scraper), continue with step 3 and refer to figure 2 and 3. If the scrapper rod has pulled out of the scraper and has been removed from the stove, skip to step 4.
 - a. Pull the scraper plate and rod up to the top of the heat exchange tubes.
 - b. With the locking pliers, clamp the old scrapper rod as shown in fig 2.
 - c. Cut off as much of the old scrapper rod as possible with the hacksaw (or any other cutting device).
 - d. Undo the locking pliers and remove the old scrapper rod.

Note: The old piece of the scrapper rod left in the stove will not harm the stove or its performance.



4. Place the 1/4-20 nut onto a square piece of tape (enough to wrap around the offset wrench. See figure 3). Take the offset wrench and place it on the nut and tape. It is very important to have the triangle indentation on the nut facing the tape as shown in figure 3. Wrap the rest of the tape around the offset wrench securing it into place (see figure 4).

Note: If the triangle indentation on the nut is facing up, towards the new scrapper rod, threading the two together will be much more difficult.

5. With the scraper plate back at the bottom, maneuver the offset wrench sideways and in-between the 3rd and 4th tubes from the left of the stove as shown in fig 5. Slide the offset wrench up towards the front of the heat exchange tubes and thread the new scrapper rod into place.

Note: If the backside of the RIV nut on the scraper plate has broken off, thread the nut about a half an inch up the new scrapper rod. If the RIV nut is still intact, thread the nut 3/4" up the rod.

6. Remove the offset wrench and prepare another 1/4"-20 nut by repeating step 4.



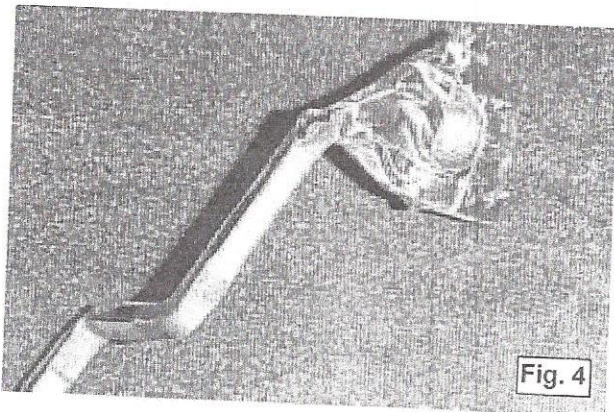


Fig. 4

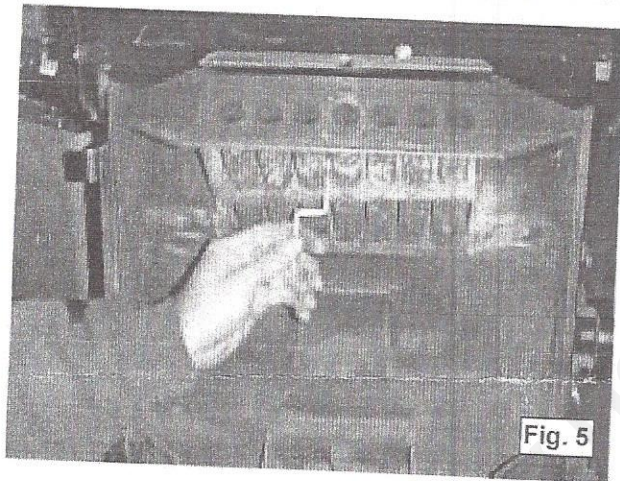


Fig. 5

7. Pull the scraper plate up towards the top of the heat exchanger and insert the scraper rod into the existing hole. If the scraper plate doesn't stay put when you let go, use the vice grips to clamp it in place.

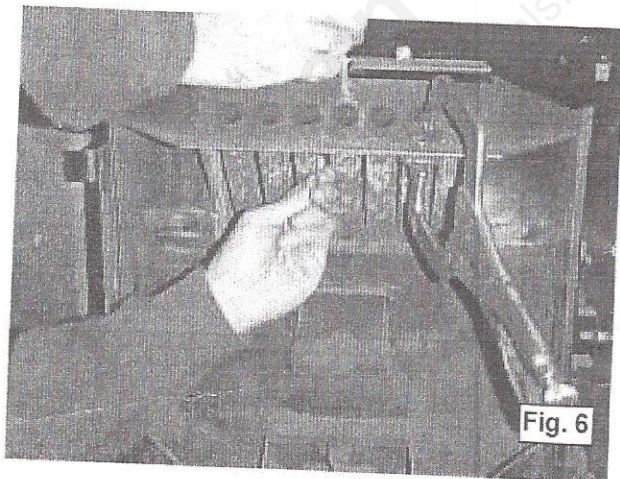


Fig. 6

8. Insert the socket wrench and thread the 2nd nut onto the scraper rod sandwiching the plate between the two nuts.
9. Remove the socket wrench and vice grips. Reinstall the heat shield and trim rods. You're done.

SUGGESTIONS

Note: There are many reasons why your scraper rod may have broken. With this fix, it should not happen again. To prevent the scraper plate and rod from sticking in the future, please follow these tips.

- Pull the scraper rod frequently. The plate's likelihood of sticking increases if there is an excessive amount of buildup over time on the tubes.
- Pull the scraper rod while the stove is cold. The tubes expand under high heat and could cause the plate to stick when burning.
- If you start to feel a buildup of ash at the bottom of the far left and right tubes (behind the baffle), use the bottlebrush provided with the stove to reach back into the corners and clean out the ash.
- At least once a year, thoroughly clean out the fly ash buildup from the exchange tubes, exhaust passages and venting system (see Maintenance Requirements in the Installation and Operation Manual). Failure to remove an excessive buildup of ash can affect the proper operation of the scraper rod as well as result in other performance problems.