

Progress Hybrid Door Frame Gasket Replacement

Please read all the instructions before you begin the procedure. Confirm that you have all the necessary tools and materials. If you have any questions, technical support is available toll free at 1-800-866-4344, Monday-Saturday 9:00 – 5:00 ET

Tools Needed:

- 7/16" & 1/2" socket
- 1/8" Allen key
- Putty knife
- Rope or nylon strap (long enough to fit around stove body)
- Flashlight
- Black marker
- Scissors

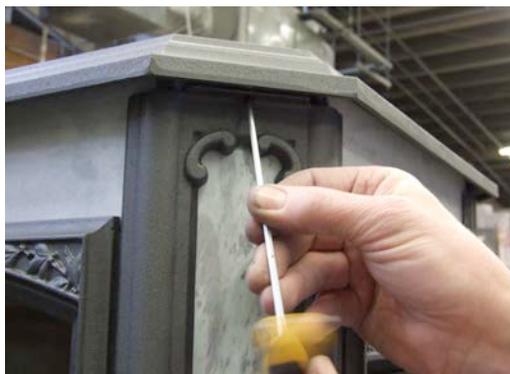
Materials Needed:

- Replacement .375" gasket
- Flat adhesive gasket

1. Make sure the stove is cool and no hot embers are inside the firebox. It may be helpful to vacuum the inside of the door frame.
2. Remove the loading door by pushing the top hinge pin up and out of the door frame while supporting the door. Lift the door up and out of the bottom door frame hinge. There is a washer between the lower door hinge and door frame.



3. Use a 1/8" allen key to loosen the set screws at the top of the front and rear corners adjacent to the door frame.



4. Tie a rope or strap around the body of the stove. The rope will hold the corner stones in place when the cast iron corners are removed. The rope should have enough play to remove the cast iron corners.
5. The nuts that secure the draw rods are located just to the rear of where the legs attach to the stove base. Locate the bolt that holds the leg to the base and then move your hand toward the rear of the stove. Use a $\frac{1}{2}$ " socket to remove the draw rod nuts.



6. Remove the cast iron corners by lifting them up and swinging the bottom edge away from the stove. Slide the corners out from under the rope.



7. The door frame is secured to the steel body box with four bolts from the inside. The top front and bottom rear bolts are $\frac{3}{4}$ " long and also hold the corner stone retainers. Remove all four bolts with a $\frac{7}{16}$ " socket.



8. Hold the stone over the door securely while removing the door frame. Pull the top of the frame out away from the stove body and off of the stove base. Once the frame has been removed, slide the stone out from under the rope.



9. Lay the frame face down on a flat surface. Pull the old gasket out of the channel in the frame. Use a putty knife or wire brush to clean any leftover gasket or residue from the channel. Brush off or vacuum the gasket channel.



10. Use a small bead of gasket glue in the gasket channel, then start the .375" gasket slightly offset from the center, at the bottom of the door frame.



11. Take the flat adhesive gasket and apply it to the inner perimeter of the door frame, as shown below.



12. Slide the over door stone under the rope and hold it against the body box. Lay the bottom of the door frame onto the base and tip the top in toward the body box and against the stove. Start the 1/2" door frame bolts by hand to hold the frame and stone in place. Next, start the door frame bolts with the stone retainers. Hold the retainers firmly against the corner stones as the bolts are tightened. Use a 7/16" socket to tighten all of the bolts evenly.



13. It will be necessary to mark the draw rods with a black marker to ensure they are set at the proper depth in the top cast iron frame. Mark the face of the rod and
- then turn it 4 full turns into the buss in the top frame.

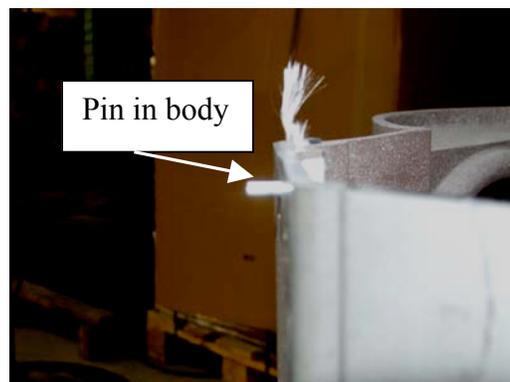


14. Install the cast iron corners. Slide the tops under the rope and swing the bottoms into place on the base of the stove.



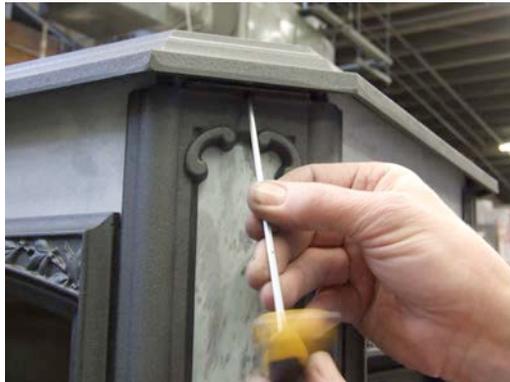
15. Hold the draw rod with your finger near the top and start the nut on the bottom end. Start the nuts on both the front and rear draw rods. Make about (5) $\frac{1}{4}$ turns with a $\frac{1}{2}$ " socket on the front nut.

16. The rear draw rod should be tightened just enough to allow the top cast to contact a pin located in the corner of the body box. The pin is pictured below for reference but can be seen with a flashlight through the space between the rear corner and rear frame of the stove.





17. Gently tighten the rear draw until the top cast contacts the pin in the body box. Do not over tighten and bend the pin.
18. Go back to the front draw rod and tighten it just until it stops. Do not over tighten.
19. Use a 1/8" allen key to tighten the set screws at the tops of the cast iron corners.



20. Insert the hinge pin in the bottom of the door. Slide the washer over the end of the pin and hold it in place as you set the pin into the door frame. Insert the top hinge pin down through the door frame and into the door.

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