

Part#PG-22: Ideal Steel 210 Bypass Rod Replacement

Rev. Date 7/27/2021

Parts Needed:

(1) PG-22 Bypass Rod Assembly

Tools Needed:

Helping Hand: for stoves with center burner
1/8" T-handle Allen key



1. Make sure the stove is cool.
2. If the stove has a center burner, use the helping hand (shipped with stove) to remove the center burner and set it aside.



3. Lift the top lid and remove the radiator. The radiator shrouds the catalytic combustor.





4. Lift the catalytic combustor up and out of the stove.



5. Position the bypass handle so that it is parallel to the floor.

*Bypass handle
parallel to the floor*

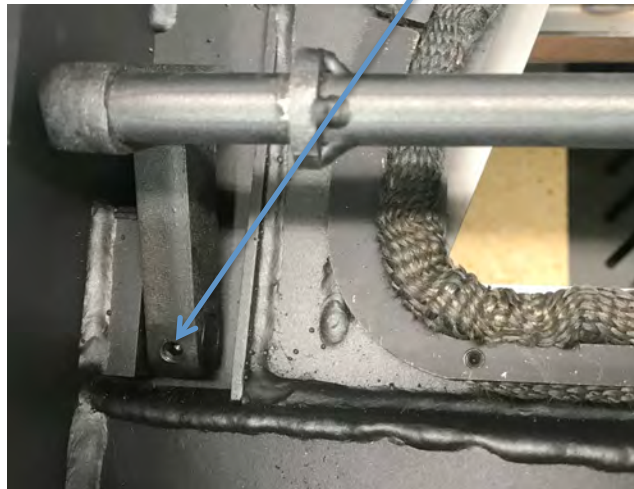


6. Grab the sled hooks that connect to the bypass rod and lift the sled up and out of the stove. Set the sled aside.



7. Leave the top lid open and lift the bypass handle up to the open position. Standing in front of the stove, the set screw that attaches the exterior bypass handle to the interior bypass rod will be found at the front right corner, inside the stove, under the top lid. *Set screw location*

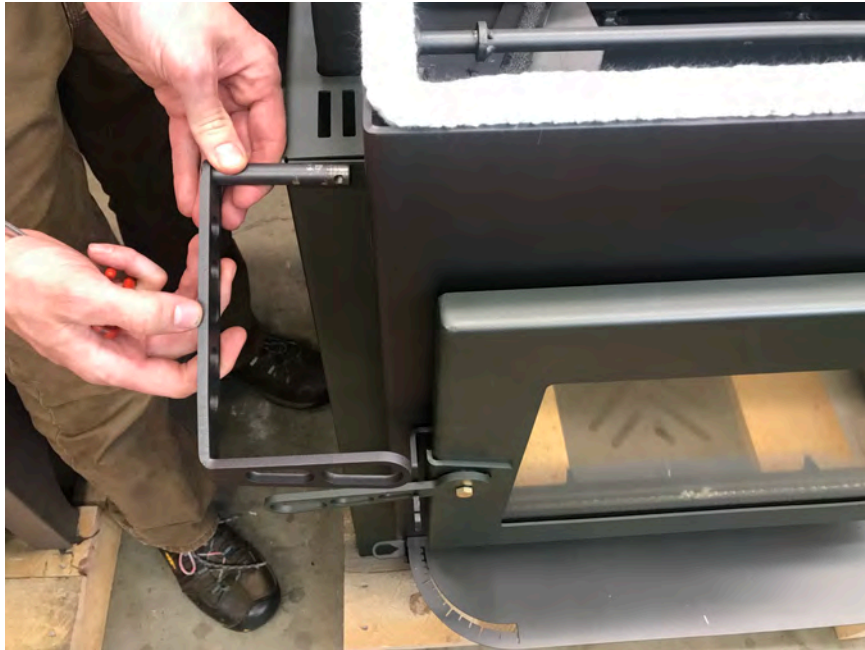
Open position



8. Using the t-handle Allen wrench turn the set screw counter-clockwise until the set-screw is removed. With the set screw removed, the outer handle and the inner bypass rod can be separated.



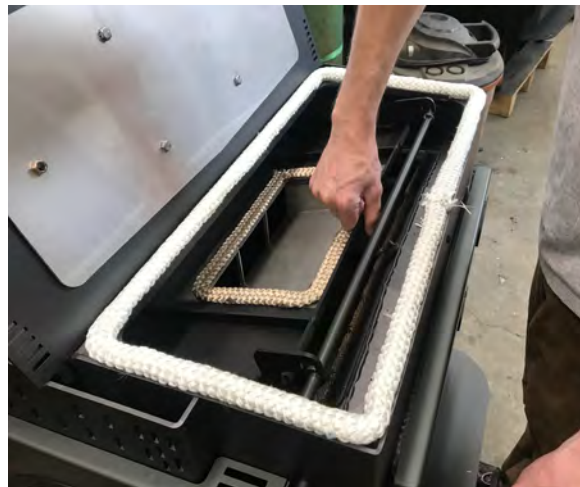
9. Holding the inner rod still, remove the outer handle by pulling the shaft of the handle out from the stove. It is helpful to wiggle the handle back and forth while pulling it out.



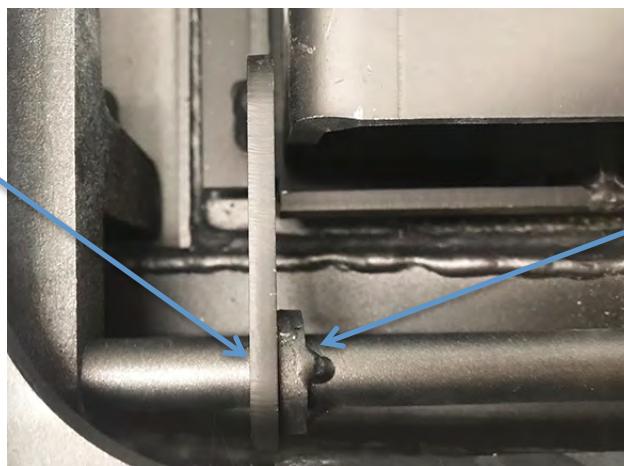
10. To remove the inner rod assembly angle one side of the rod towards the rear of the stove, then lift the front edge of the rod assembly out.



11. Place the sled back into the stove making sure the sled hooks attach to the bypass rod. The hooks will be on the outside of the two round washers welded onto the bypass rod.

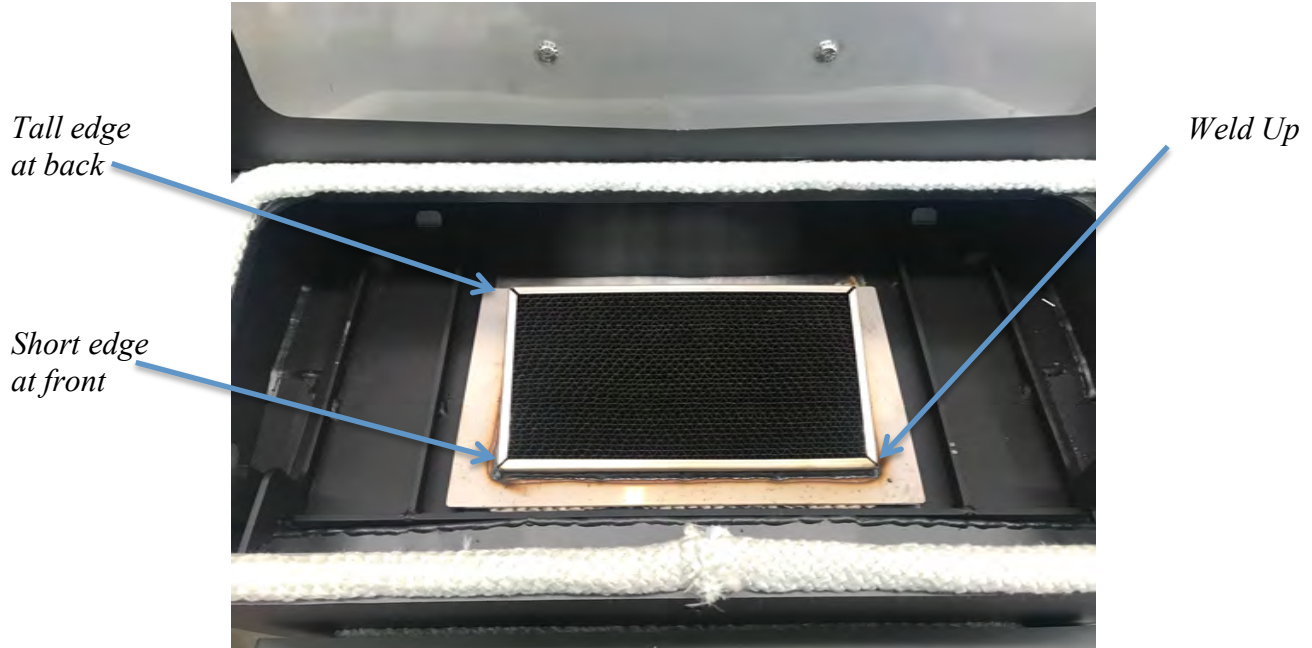


Sled hook

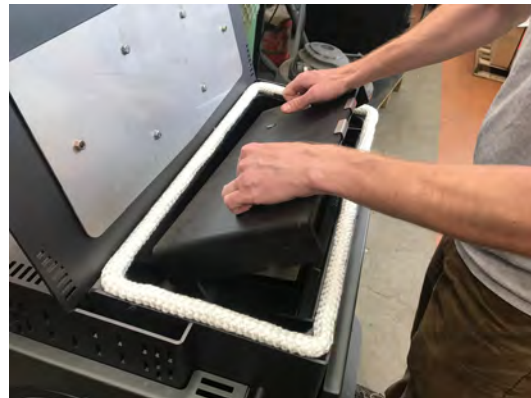


*Welded bypass
rod washer*

12. Install the combustor. Make sure the weld around the stainless steel flange is facing UP. The flange is welded around the combustor at an angle. The combustor should be installed so the face is directed forward with the short edge at the front, and the tall edge at the back. This position directs the heat produced by the catalyst forward.



13. Replace the radiator. The standoffs will go towards the back of the stove, and the radiator shield attachment will be at the front of the stove.



14. Close the top lid and replace the center burner.
15. Your stove is ready for immediate use.

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