

Technical Data Sheet

Green Mountain 20 Replacement Latch Kit Installation

Assembly 96-49600

INCLUDED IN KIT:

- (1) 5000-570 Handle Crank
- (1) 3900-176 Wooden Handle
- (1) 4500-2976 Set Screw (small)
- (4) 4700-0790 Spacer
- (1) 5021-022 Latch
- (1) 5021-032 Washer
- (1) 5240-138 Door Spring
- (1) 4500-0455 Set Screw (large)
- (1) 5030-060 Striker, Stove Body Side
- (2) 4500-2106 Flat Head Screw, for striker

TOOLS REQUIRED:

- 3/16 Allen Wrench
- 5/32 Allen Wrench
- Anti-Seize
- Phillips Head Screw Driver
- Vise Grips

Before You Begin: Work on a cool stove.

- 1) Locate the set screw on the outer surface of the crank. Using the 5/32" Allen wrench, completely turn out the setscrew holding the original latch to the outer crank.
- 2) While holding the latch with the pliers, unscrew the outer crank until it disengages from the threaded portion of the latch.
- 3) Separate the latch and crank. Take note of how many gold-colored spacers are on the latch when removed, the standard is two, but this may vary with cast machining and wear over time. This will give you a starting quantity for replacement. This kit contains extra spacers to account for wear in the system over time. Discard all of the original latch components.
- 4) To assemble the new crank, use a 3/16" allen wrench to spin the new set screw (large) down into the internally threaded portion of the crank. Look in the recess where the wooden handle goes and stop when the set screw is just barely flush with the inside of the recess.
- 5) Line up the counter bored pocket on the new wooden handle with the set screw, insert the wooden handle, and finish tightening the set screw. Go snug, plus one turn.
- 6) Place the original quantity of new brass washers onto the new latch shaft. Keep the extra for possible adjustment needs.
- 7) Apply a light layer of anti-seize to the latch shaft. Push the latch shaft through the door.

- 8) Place the large washer onto the latch on the outside of the door. It will be flush to the surface of the outer door.
- 9) Place the tension spring over the latch on the outside face of the door, against the washer.
- 10) Thread the crank onto the latch shaft. Continue to turn until it is snug to the surface of the door. Now turn it back until it is approximately 1/8" from the surface of the door (approximately 3 turns).
- 11) Turn the crank until you can see the grooved notch in the threaded shaft of the latch shaft (a flashlight may be helpful here). The grooved notch lines up opposite of the latch catch on the inside of the door face, for reference. Once the two pieces are lined up in this manner, turn in the new set screw (small). Use the 5/32 Allen wrench to tighten the sets crew into the grooved notch in the latch. If the set screw is properly aligned, the top of the set screw will set below the surface of the crank.
- 12) Use the Philips screw driver and remove the latch striker from the front of the stove.
- 13) Install the new latch striker, paying attention to orient the beveled face down, and towards the stove.
- 14) Close the door on the stove.

Latch Adjustments:

If the latch is loose when the door is closed and the door has any movement when pushed or pulled, disassemble the latch and remove a gold-colored washer.

Alternatively, If the latch does not easily engage with the catch on the front of the stove when the door is closed, disassemble the latch and add another gold-colored washer, up to a quantity of 4. This may be necessary if also replacing the door gasket at the same time. Removing gold-colored washers may be necessary as the latch and gaskets wear in over time.

