



Technical Data Sheet

Shelburne 8370 Coil Spring Front Door Latch Installation

#93-73701

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MATERIALS REQUIRED:

- (1) 4500-2976 Set Screw - 5/16" x 1/4"
- (4) 4700-0790 Brass Spacer Washers
- (1) 5010-081 Chrome Crank Handle
- (1) 5370- 081 Latch
- (1) 5021-032 Flat Washer - .406" ID x 1" OD (Black Oxide)
- (1) 4700-0810 Spacer for Catch - /16" ID x 3/8 OD
- (1) 5240-138 Coil Spring
- (1) 5370-070 Catch Plate

TOOLS REQUIRED:

- 5/32" Hex Wrench
- Flat Tip Screwdriver
- Cross-tip Screwdriver

BEFORE YOU BEGIN: Allow the fire to burn out so that the stove is cool to the touch.

PROCEDURE:

- 1) Open the front door. Locate the catch on the front panel of the stove. It is held to the front of the stove with two screws. Remove these screws with the cross-tip screwdriver, saving the screws for reuse.
- 2) Replace the removed catch with the one supplied in this kit. Before securing the catch, place the black oxide spacer provided in the kit behind the top hole on the new catch. With the spacer and catch held in this manner, attach them to the front of the stove using the screws previously removed. Tighten the catch to the front panel with the Cross-tip screwdriver.
- 3) Using the flat screwdriver, remove the back handle extension on the original handle. Save the handle and screw for reuse.

 **NOTE:** It may be easier to complete the installation of the new latch if the door is removed and laid down onto a flat surface, like a table or workbench. To do this, lift the opened door straight up and off the stove. Be careful to retain the hinge pins and hinge washers for the reinstallation of the door.

- 4) Using the 5/32" hex wrench, turn out the two setscrews on the original latch on the stove. This will allow you to separate the latch pieces, remove them from the stove, and discard them.

- 5) Place two of the brass shim washers onto the shaft of the new, threaded latch. Insert this latch through the door. Position it so the brass shims and latch are on the inside and the threaded end of the latch shaft is coming through the door towards you.
- 6) Slip the large washer over the latch shaft on the outside of the door. This will protect the surface of the door (especially if enameled) from the wear of the latch.
- 7) Drop the coil spring onto the latch shaft on top of the washer installed in step 6. The coil will provide tension to the latch.
- 8) Now the new chrome crank can be threaded onto the latch shaft. Turn the chrome crank until there is approximately 1/8" of an inch between the chrome crank and the surface of the door. Do not turn the crank until it is flush to the surface of the door – doing so will defeat the function of the coil spring.
- 9) With the chrome crank properly spaced, turn it until the threaded hole on the side of the latch is aligned with the flat spot on the latch shaft. Start the setscrew into the hole and tighten in down to the shaft with the 5/32" hex wrench.
- 10) Place the black handle extension onto the newly installed latch assembly and secure it to the crank with the slotted screwdriver.
- 11) If the door was removed, return it to the stove now. Make sure the washers are returned to their original position between the door and frame hinge tabs when you replace the door.

Adjusting the latch: If the latch is too tight, separate the latch and crank and add one of the extra spacer washers to the two washers originally installed on the latch. If it is too loose, separate the latch and crank and remove of the brass washers from the latch shaft.