

Technical Data Sheet

Hearthstone I Retrofit Damper Kit Replacement Instructions

Assembly 91-58131

Use on H-I models manufactured prior to June 1982

INCLUDED IN KIT:

- (1) Damper (Rod and Blade)
- (1) 3/8" Brass Coil
- (1) 3/8" Handle Extension (bent)
- (1) 3/8" Nut
- (1) 3/8" Coupling Sleeve
- (1) Escutcheon Bushing Assembly (w/ washer & nut)
- (1) Cotter Pin
- (1) 3/8" Flat Washer
- (1) Top (Inside) Door Steel
- (2) 1/4"-20 x 2 1/4" Hex Bolts
- (2) 1/4" Lock Nuts

TOOLS REQUIRED:

- 7/16" Socket & Wrench
- Needle-nose Pliers/Vise Grips
- 1/2" Wrench
- 9/16" Wrench
- 7/8" Wrench
- 11/32" Socket & Wrench
- Putty Knife
- Wire Brush
- Hammer
- Prick Punch
- Power Drill & 5/8" Bit

Before You Begin: Make sure the fire is out and the stove is cool to the touch. Verify the kit components (see illustration).

Refer to the diagram as needed to verify the placement of any damper component.

PROCEDURE:

- 1) The original damper blade is bolted to the rod. To remove the damper blade, remove the bolts securing it to the rod with the 11/32" wrench.
- 2) Remove the cotter pins from both ends of the damper rod. (If necessary straighten the pins before pulling them out).
- 3) The damper rod can now be pulled through the left side of the stove. Discard this piece-including the original handle.
- 4) Remove the original bushing by tapping it out with a prick punch and hammer. Discard this piece.
- 5) Locate the bolts that go through the top of the front door frame. The bolts pass through the doorframe, and inner steel bar. Remove these bolts using a 7/16" wrench socket. Discard the steel bar, nuts, and bolts.

- 6) Position the new door steel in the stove where the original had been. Make sure the tab is up and to the right. Bolt it in place using the two $\frac{1}{4}$ " bolts and lock nuts supplied.
- 7) Before the new damper can be installed, drill the hole in the stone with a $\frac{5}{8}$ " drill bit. Push the escutcheon bushing through the stone, with the flange on the outside. Install the washer, and thread the nut on the bushing.
- 8) Place the washer onto the end of the damper that has a hole drilled in it. Push the cotter pin through the hole in the damper rod and twist the ends of the pin to hold it in place.
- 9) Place the new damper into the stove, making sure the cotter pin and washer are on the right hand side. Allow the right end of the damper to seat into the notch welded onto the door steel—the washer and cotter pin should be on the right side of this notch. **Important:** When installing the damper, make sure the blade is straight up and above the front lip of the baffle. Push the other end of the damper (this end will have threads on it) through the escutcheon bushing as far as it will go (until the washer and cotter pin are flush to the notch). The threaded end of the damper will now be visible outside the stove.
- 10) Assemble the damper handle. Turn the coupling sleeve onto the damper rod—finger tight. Twist the coil handle onto the non-threaded end of the handle extension. Turn the $\frac{3}{8}$ " nut onto the threaded end of the handle extension as far as it will go. Turn the coil/handle assembly into the coupling sleeve. Tighten the nut to the sleeve to prevent the assembly from loosening with use.
- 11) Make sure the damper is operational. When open, it is straight up against the stone above the front door; when closed, it will rest on the front of the baffle. If the handle interferes with the side door, loosen the nut and coupling sleeve, adjust the position of the handle, and retighten.

