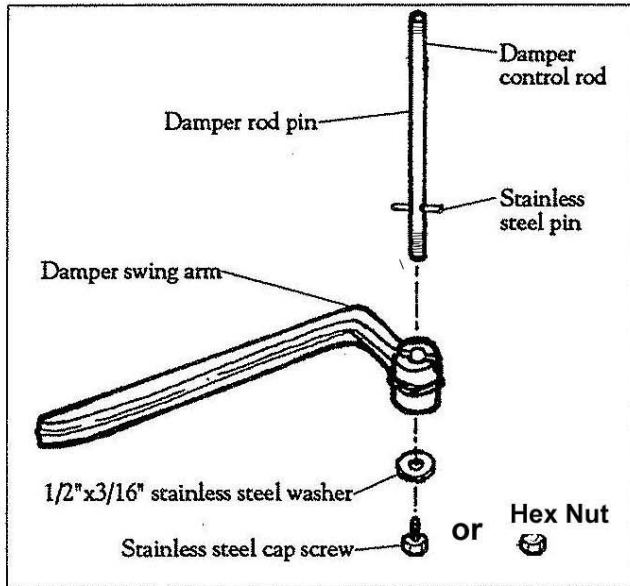


INSTALLING LARGE WINTERWARM DAMPER SWING ARM

1. Assemble the Damper Rod and Swing Arm.



Attach the damper swing arm to the damper control rod.

Center a 3/16" X 1" stainless steel damper rod pin (#76) in the hole in one end of the 1/2" X 5 -1/2" damper control rod (#73). Use "Loctite" glue when installing this pin. This will be the bottom end of the damper control rod.

Insert the pinned end of the rod in the face of the damper swing arm (#75) so the ends of the pin are in the slots in the swing arm.

Attach the swing arm to the bottom of the control rod with a 1/2" X 3/16" thick stainless steel washer and a 1/4-20 X 1/2" stainless steel hex head cap screw or on newer models 1/4-20 hex nut. Use "Loctite" glue when installing this.

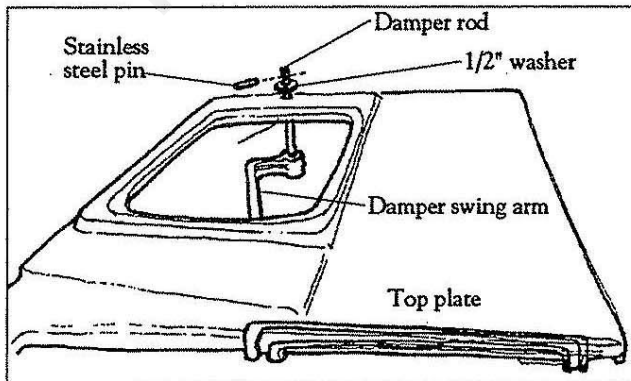
Slide two 1/2" X 7/8" o.d. flat washers on the rod.

2. Install the Damper Rod and Swing Arm.

Push the damper rod up through the hole in the right rear of the top plate.

Place a 1/2" flat washer on the rod.

Center a stainless steel pin in the hole in the upper end of the control rod. Use "Loctite" glue when installing this pin.

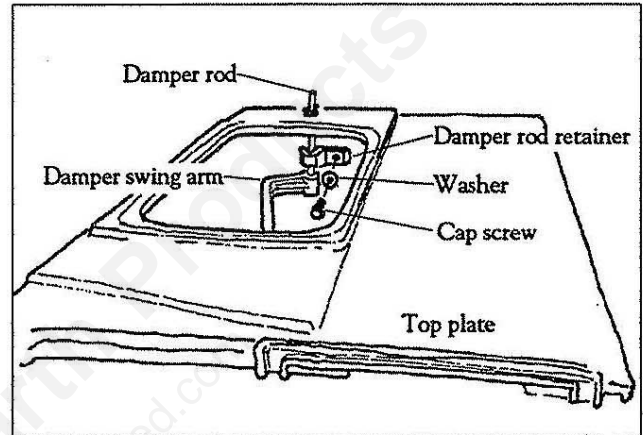


Install the damper rod.

3. Install the Damper Rod Retainer.

Place a 1/4" flat washer on a 1/4-20 X 1" hex head cap screw, and insert the cap screw through the damper rod retainer (#85) and the hole in the upper right side of the firebox. The retainer should hold the damper control rod to the side of the firebox.

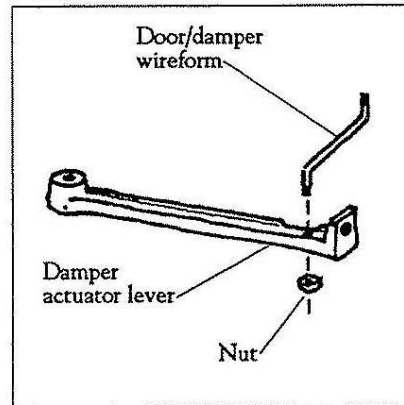
Attach the retainer with a 1/4-20 hex nut and washer on the outside of the firebox.



Install the damper rod retainer

4. Attach the Door/Damper Interlock Wireform

Attach the left end of the door/damper interlock wireform (#16) to the front end of the damper lever with a #8-32 top lock nut. The right end will be connected later.

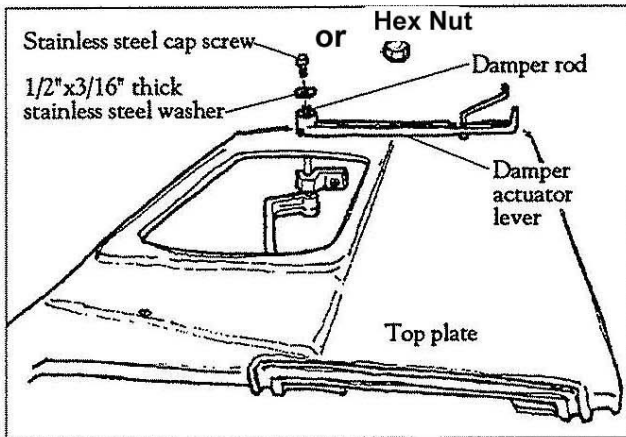


Attach the door/damper wireform to the damper actuator lever.

5. Install the Damper Actuator Lever.

Place the damper actuator lever (#84), with the slots down, on the top of the control rod so that the slots fit over the pin in the upper end of the control rod.

Place a 1/2" X 3/16" thick stainless steel flat washer on the rod, and attach the lever to the rod with a 1/4-20 X 1/2" stainless steel hex head cap screw, or on newer models 1/4-20 hex head nut. Tighten it securely but do not overtighten. Use "Loctite" glue when installing this.



Do not overtighten the lever to the rod.

6. Engage the Damper

Push the damper fully open by hand so that it is toward the back of the firebox.

Move the damper lever all the way to the left.

As you move the lever back to the right, the swing arm retainer will connect with the swing arm, and the damper will close.

7. Install the Damper Actuator Lever Stop.

Place a 1/4" flat washer on a 1/4-20 X 1/2" hex head cap screw and insert the screw through the damper actuator lever stop (#83). The short "L" leg of the stop should be up.

Place another 1/4" flat washer on the underside of the stop, and thread the screw into the top of the firebox. The short "L" leg of the stop should be to the right, and the stop should be centered under the screw. The stop can be moved to the left or right when adjusting the damper for a tight seal against the upper fireback. See the Maintenance Section of the manual.

8. Install the Damper Lever Shim.

Place the damper lever shim (#52) under the damper lever and on top of the raised bosses on the top of the firebox. Attach the shim with two 1/4-20 X 1/2" hex head cap screws.

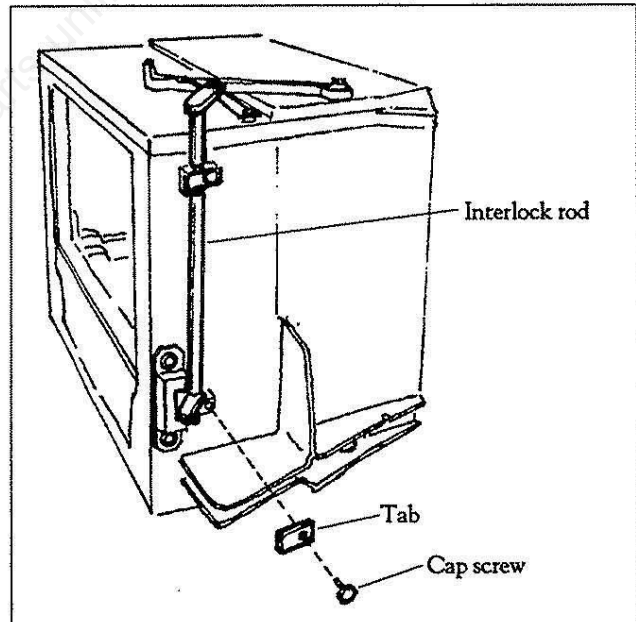
9. Install the Door Latch Striker Plate.

Position the door latch striker plate (#107) so the front edge of the striker plate lines up with the front edge of the right side. Attach the striker plate with two 1/4-20 X 1/2" hex head cap screws and washers.

10. Install the Door/Damper Interlock Rod.

Place the interlock rod (#15), short lever end down, in the grooves on the right side of the insert. Secure the rod with two 1/4-20 X 1/2" hex head cap screws and 1/2" tabs.

Test the rod to confirm that it rotates freely. If the rod does not rotate freely, remove the rod and file the area of the rod where it rubs against the side plate.



Attach the door/damper interlock to the right side.

11. Connect the Right End of the Door/Damper Interlock Control Wireform.

Attach the right end of the wireform to the top of the interlock rod with a #8-32 top lock nut.

12. Install the Control Arm Shims.

The shims (#52) and spacers (#53) will be assembled upside down. They will then be turned over and attached to the top left of the firebox.