



Intrepid II 1990 Service Procedure

REPLACING OR REGASKETING THE DAMPER HOUSING ASSEMBLY

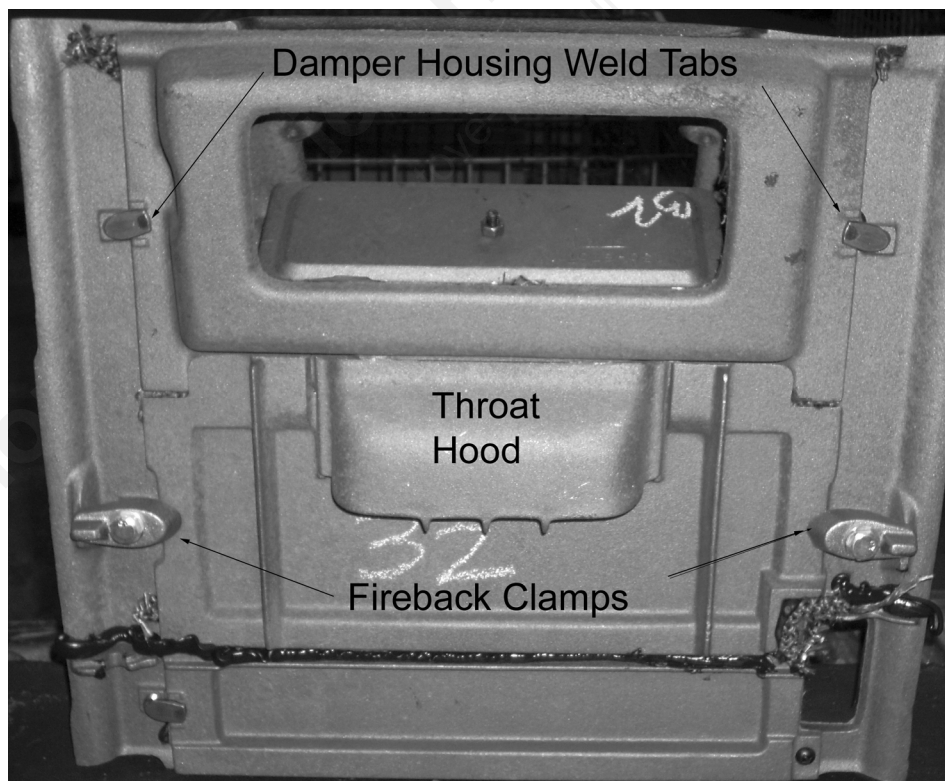
Materials needed: Damper assembly if needed; Gaskets if needed.

Tools: Phillips screwdriver; 5/32" Allen wrench; hammer; wrenches; tools to clean gasket cement.

Time needed: Approximately 2 hours.

Removal Procedure

1. Place the damper in the open (updraft) position.
2. Remove the damper handle stub.
3. Tap upward on the outer ends of the two rotating clamps securing the upper fire back. Turn the left clamp clockwise and the right clamp counter clockwise.



4. Grasp the fireback by its vertical ribs and remove it together with the throat hood. Pull the left side out first so the small gasket on the lower right clears the lower fireback. Take note of how the throat hood and fireback fit together.

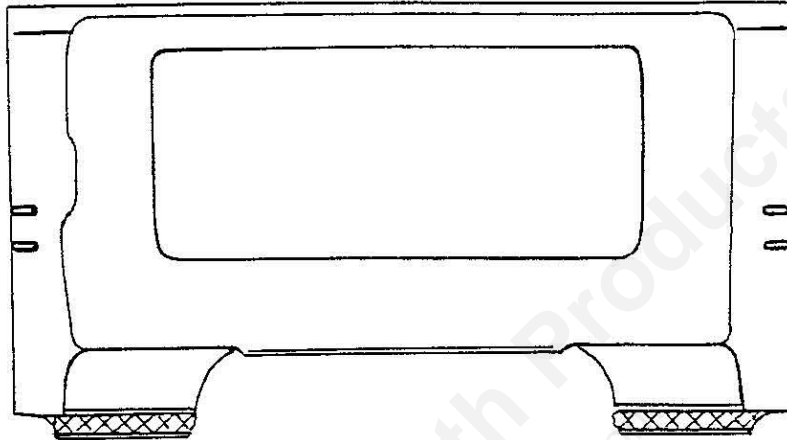
5. Remove the primary thermostat housing held on with 2 slotted bolts. Carefully rest the assembly on the floor with the ball chain still hooked up to the air flapper.
6. Maneuver the damper actuator rod out of the opening in the side of the stove back.
7. Remove the two uppermost acorn nuts from the back of the stove and tap the threaded ends of the exposed weld screws into the stove back (see photo above) that hold the damper housing assembly in place.
8. Reach inside the stove and remove the damper housing assembly.

Regasketing Procedure

1. Remove the old gasketing paying particular attention to the place where a continuous gasket meets itself.
2. Clean the gasket channels with a wire brush (hand or power). Remove any stubborn deposits of gasket cement with the appropriate size punch/drive pin or cold chisel.
3. Clean all parts to be gasketed with your shop vacuum.
4. Select the appropriate type and size gasket. See gasket requirements below. Cut to the recommended length allowing you an inch or two excess.
5. Using the 3 oz. tube of gasket cement (part number 120-6122), place an unbroken $\frac{1}{8}$ " bead of gasket cement in the channel or groove to be gasketed.
6. Starting with one end, press the gasket into the cemented channel or groove. If the gasket meets itself, ensure that you have a good joint before trimming excess gasket with shears or side cutters. Do not overlap gasket ends or leave ragged edges.
7. If possible, place the gasketed part firmly against its normal mating surface in order to seat the gasket evenly in its cemented channel or groove. Use a 1" x 4" x 18" long, wooden straight edge where required. Remove gasketed part and clean off any excess gasket cement that has squeezed out around the gasket before placing aside to dry.

Damper Frame Front View

Lower horizontal inside edges of damper frame to upper horizontal inside edges of upper fire back seal. Two pieces 4" each fiberglass, 1/4" diameter, low density, 3 needle, part #1203560.

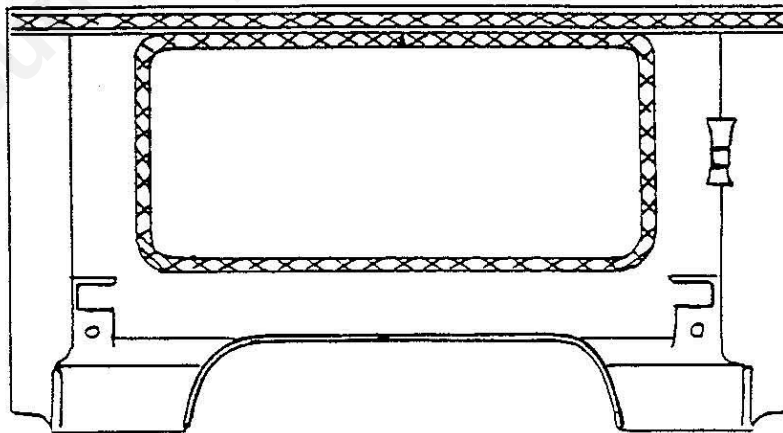


Damper Frame Rear View

Two gaskets:

Gasket #1: Upper horizontal edge of damper frame to stove top (underside) seal. One piece 14" fiberglass, 1/4" diameter, low density, 3 needle, part #1203560.

Gasket #2: Damper plate to damper frame seal. One piece 30" fiberglass, 5/16" diameter, medium density, 6 needle, part #1203588.



Replacement Damper Housing Procedure

When work is completed, re-assemble in reverse order. When installing the damper housing assembly, push it as far as possible toward the top of the stove prior to final tightening. This will ensure the upper fireback and throat hood will fit in properly. Ensure the ¼" gaskets in the rear sides of the stove for the damper housing side seal are in good condition. Replace if necessary.

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