

This appliance has been retired.
For current replacement part numbers, please refer to the
individual service parts list located on the brand
websites or contact your local dealer for part availability.

FOR REFERENCE ONLY



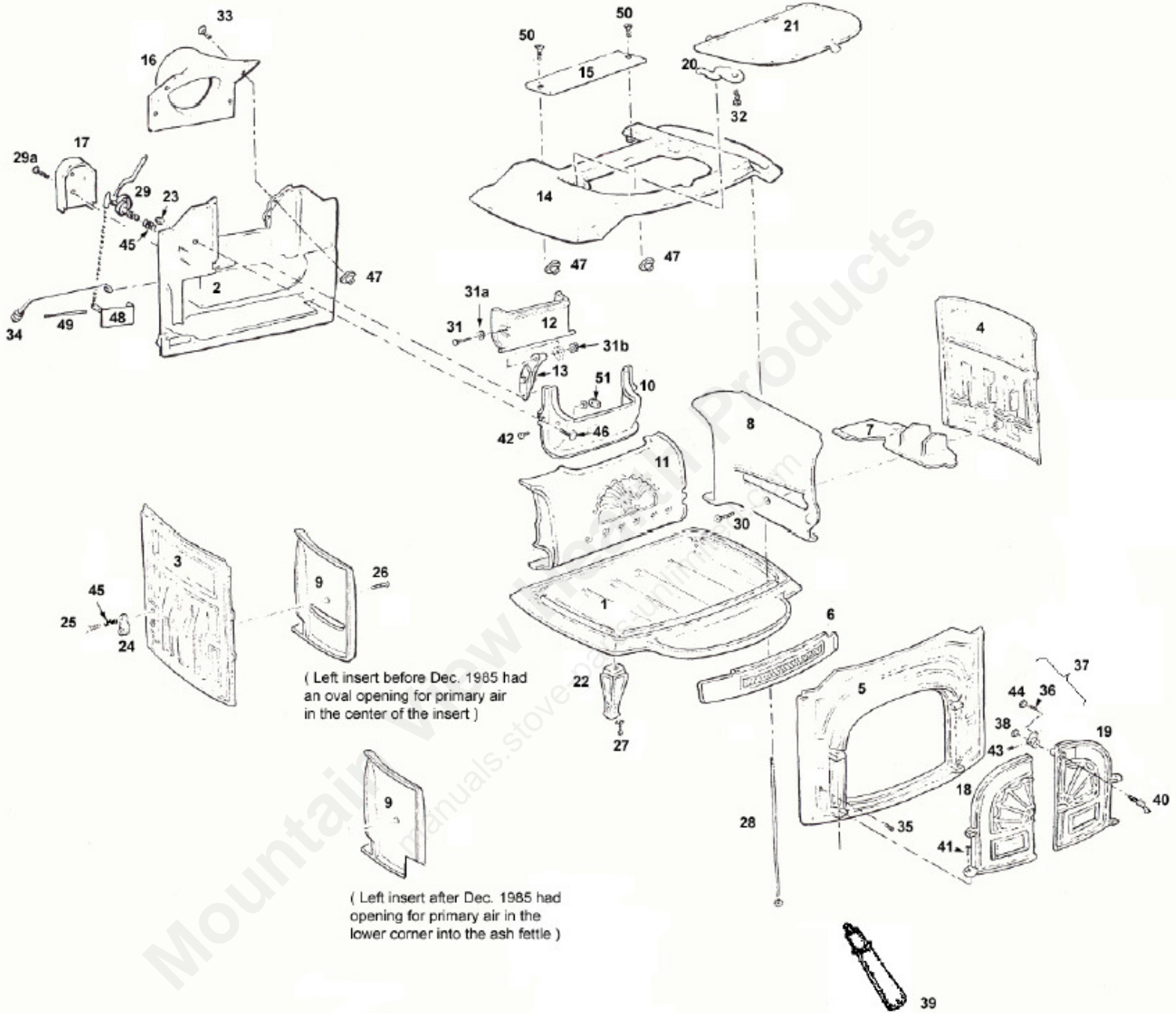
RESOLUTE III Service Manual (0043, 0042, 0058)



This manual deals with **Resolutes** manufactured after June 1983 – 2 door models

1. Resolute III Exploded View and Parts List
2. Resolute III Exploded View and Drill & Tap Key
3. Resolute III Interior Plate Disassembly
4. Resolute III Interior Plate Re-Assembly
5. Resolute III Complete Refurbishing
6. Resolute III Bottom Only Replacement

RESOLUTE III MODELS 0043 & 0042



RESOLUTE III

MODEL #'S: 0043 RESOLUTE III WITHOUT GLASS
 0042 RESOLUTE III WITH GLASS PANELS
 0058 RESOLUTE COAL STOVE

FEATURES: MANUFACTURED 6/29/83 THROUGH 6/14/88, HAD TWO FRONT DOORS, TWO PIECE FIREBACK & ADJUSTABLE DAMPER LINKAGE, COAL STOVE HAD 3 ROCKER GRATES, IN 1985 DOUBLE GLASS FRAMES WERE ADDED FOR CLEAN GLASS, EARLY MODELS USED SS FRAMES AND LATER MODELS ADDED A CLIP BOSS & USED 3 CLIPS PER DOUBLE GLASS

* denotes dead product - none available

ITEM #	PART #	DESCRIPTION	ITEM #	PART #	DESCRIPTION
1	130-1522*	Bottom	28	160-1640	Tie Rod Only
2	130-1683*	Back		500-7499	Tie Rod Set of 4 With Nuts
3	130-1546*	Left End		120-3210	1/4 -20 Hex Head Nuts
4	130-1554*	Right End	29	000-4333*	Thermostat (Stat, Spring, Chain, Clips, Fittings)
5	130-1492*	Front		120-1960	Ball Chain (Per Foot)
6	130-1538*	Solid Ash Fettle	29a	120-1010	10-24 x 1 1/2" Phillips Trs Hd Cover Screw
	500-2808*	Clean Glass Ash Fettle	30	120-0848	1/4 -20 x 2" Phillips Flat Head
{130-1779 back only available, 2 - 120-1393 [1/4 -20 x 1 3/4" SS hex head], 2 - 1/4" washers, 2 - 5/8" long spacers}			31	120-1193	12-24 x 1/2" Hex Head Cap Screw
7	130-1589*	Baffle	31a	120-2423	Flat Washer #10
8	130-1384	Right Insert	31b	120-3297	12-24 Hex Jam Nut
9	130-1376	Left Insert Pre Dec. '85 (oval slot)	32	120-1338	1/4 -20 x 1/2" Hex Head CS
	130-1784	Left Insert clean glass style	33	120-0521	1/4 -20 x 3/4" Socket Flat Head
10	130-1349	Upper Fireback Only	34	160-0820	Damper Handle
	000-5863*	Upper Fireback/Damper Assembly	35	120-0055	1/2-20 x 3/8" SI Cup Point Shaker Hole Screw
11	130-1356	Lower Fireback	36	120-0436	1/4 -20 x 1" Socket Striker Bolt Black
12	130-1600	Damper	37	500-4024	Pawl Assy Complete (Items 36, 43 & 44)
13	000-5866	Adjustable Damper Linkage	38	120-3290	3/8-16 Large Pawl Jam Nut For Shaft
14	130-1663*	Top	39	000-4342	Fallaway Handle Assembly
15	130-1670*	Flue Collar Extension		120-1294	Fallaway Handle Screw Only
16	130-1668	Flue Collar		160-0620	Ceramic Only
17	130-1449*	Thermostat Cover		160-0650	Chrome Nub Only
18	130-1606*	Left Door	40	500-4237	Chrome Front Handle Stub With Shaft
19	130-1615*	Right Door	41	160-0546	Door Pin
20	130-0809	Griddle Quad (000-4444)	42	120-1443	5/16-18 x 1/2" Hex Head For Damper Nut Plate
21	130-1674*	Griddle Only	43	120-0417	Pawl, Set Screw Only
22	130-1503*	Leg (1 Only)	44	120-3210	1/4 -20 Hex Head Striker Bolt Nut
	500-2033*	Legs (Set of 4)	45	120-1846	Tension Spring
23	120-3118	Fireback Nut 1/4 -20 Acorn Nut	46	120-1326	1/4 -20 x 1" Hex Head Cap Screw UFB Mount
24	130-0671	Secondary Air Control Cover	47	120-3105	1/4 -20 Flue Collar Plate
25	120-1007	10-24 x 3/4" Phillips Trs Head	48	500-5423	Thermostat Flap With Eyelet
26	120-0811	1/4-20 x 1 1/4" Phillips Flat Head	49	160-1567*	Flap Pin Only -Substitute Heavy Stove Wire
27	120-1432	Leg Bolt 3/8-16 x 1" Hex Head CS	50	120-0865	1/4 -20 x 5/8" Phillips Flat Head
	000-5807	Leg Bolt Set (See Below)	51	120-1860	5/16-18 Damper Nut Plate

ITEMS NOT SHOWN

000-5807 Hardware Bag

160-0600 Door Handle Holder (1)
 120-2488 3/8" Washer For Leg Bolts (3)
 120-1432 3/8-16 x 1" Hex Head For Legs (4)
 120-2061 #10 x 3/4" Phillips Pan Head SMS
 120-5116 1/8 Allen Wrench
 120-5147 5/32 Allen Wrench
 120-2420 Felt Door Pin Washer (Enamel Stoves)
 130-1623* Left & Right Door Cast Insert

130-3051 Drop-In Andiron One Only (000-0052 Set of 2)
 130-3057 Left Bolt-On Andiron For Solid Ash Fettle
 130-3054 Right Bolt-On Andiron For Solid Ash Fettle
 000-0051 Set of Both Bolt-On Andirons With Bolts
 140-1152 Glass (1 Only)
 120-0983 Glass Clip Screw
 160-1395 Glass Clip
 160-1401 Left Double Glass Holder
 160-1402 Right Double Glass Holder

MISCELLANEOUS RESOLUTE ACCESSORIES

* Denotes Dead Part

RESOLUTE III GASKETS

120-3588	5/16" Medium Density 6ND Fiberglass Gasket	2'	Left Door
		3'	Right Door
120-3668	5/16" Gasket Wire Fiberglass w/ Core	3.3'	Griddle
120-3556*	3/16" 4ND Black Fiberglass Gasket	2'	Left Glass
		2'	Right Glass
120-3560	1/4" Fiberglass Gasket	3'	Flue Collar
500-2801	Glass Gasket With Wire Between Double Glass	1	Each Double Glass

*000-3427 kit contains enough gasket and cement to gasket all glass with rope gasket

REPAIR KITS

000-5864

FIREBACK KIT

Includes upper and lower firebacks, damper, bolts for the firebacks, bolts for the left and right inserts and instructions

ENAMEL PARTS

No enamel replacement parts are available for the Resolute.

RESOLUTE CLEAN GLASS KIT PARTS (KIT IS NO LONGER AVAILABLE)

5002808*	Ash Fettle Assembled
1301779	Ash Fettle Back
1301773*	Ash Fettle Front
1201393	1 3/4 SS Hex Head Bolts 7/16 x 5/16" Spacer & 1/4 Washers
1401152	Glass (4)
1601401	Left Glass Retainer (Needed for older Resolutes with only two glass clips per door)
160-402	Right Glass Retainer (Needed for older Resolutes with only two glass clips per door)
1301784	Left Insert (Needed for models made prior to 1/86 with old left insert)
1303051	Andiron (1) Drop In {000-0052 - set of two andirons}
1601395	Long Glass Clips (4)
1200983	10-24 x 5/8" Phillips Pan Head Glass Clip Screws (4)
1203556	3/16" Glass Gasket (4') or 000-3427 Gasket Kit
1203600	Wire Core Glass Gasket Sleeve for Between Glass Panels (2)

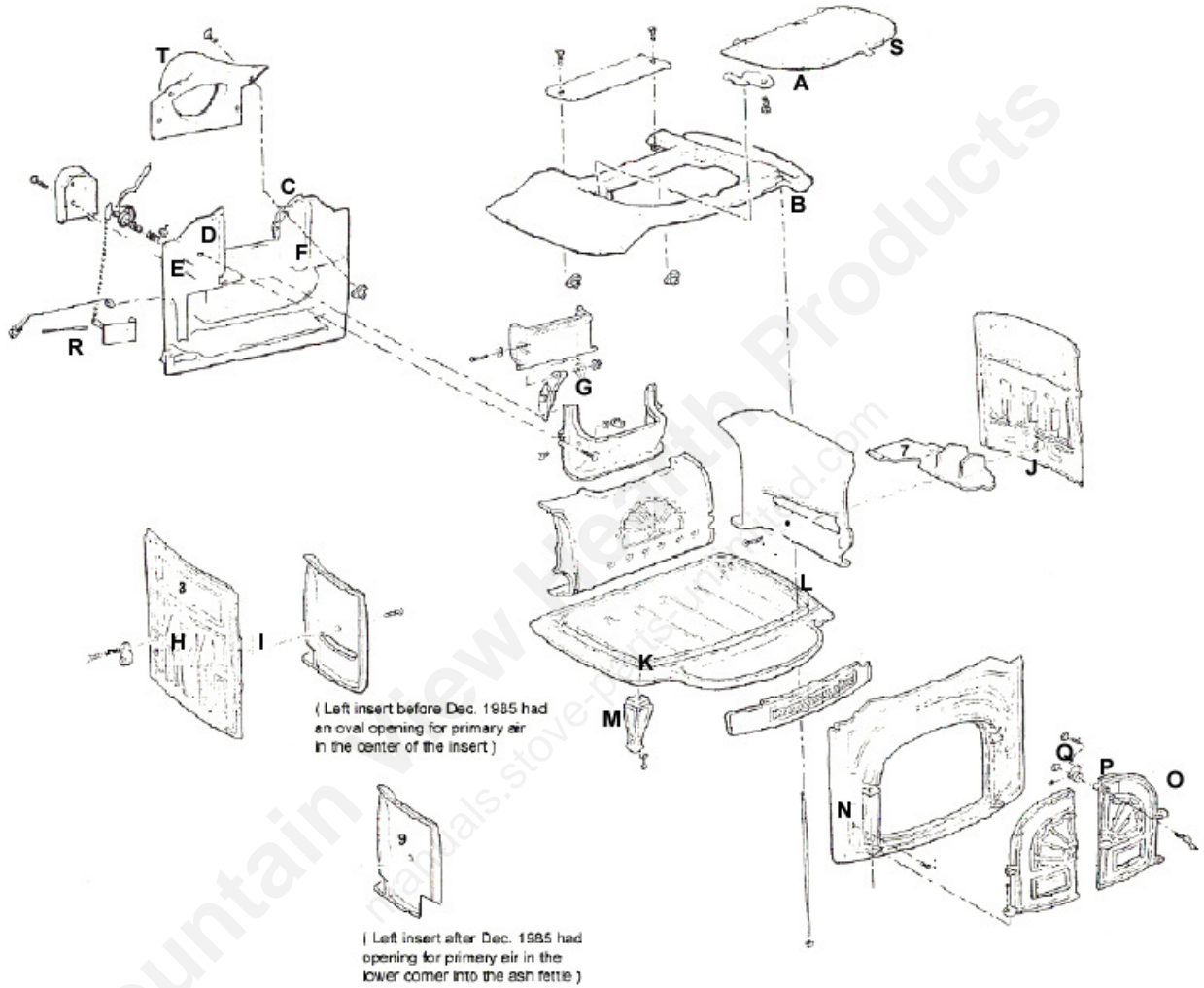
RESOLUTE GLASS KIT SINGLE GLASS PARTS (KIT IS NLA)

1401152	Glass (1)
1601396	Clips (2 or 3)
1200980	10-24 x 1/4" Phillips Pan Head Clip Screws (2 or 3)
1203556	3/16" Glass Gasket (2') or 000-3427 Gasket Kit

RESOLUTE SCREEN (NO LONGER AVAILABLE)

000-0140*

RESOLUTE III DRILL & TAP DRAWING



DRILL and TAP KEY

<u>DIAGRAM</u>	<u>TO ACCOMODATE THIS HOLE SIZE USE:</u>	<u>DRILL</u>	<u>TAP</u>
A	Griddle Quad Screw hole	#3 x 14/32"	deep
B	Top Plate Tie Rod hole	13/64"	1/4-20
C	Flue Collar Screw hole	13/64"	1/4-20
D	Thermostat hole	#22 (5/32")	10-24
E	Thermostat Cover Screw hole	#22 (5/32")	10-24
F	Heat Shield hole	#22 (5/32")	10-24
G	Cast 7 Screw hole	7/32	
H	Secondary Air Control Screw hole	#22 (5/32")	10-24
I	Left Insert Screw hole	13/64"	1/4-20
J	Right Insert Screw hole	13/64"	1/4-20
K	Leg Bolt hole	5/16"	3/8-16
L	Tie Rod hole	5/16"	
M	Leg – leg bolt hole	5/8"	
N	Shaker Plug hole	5/16"	3/8-16
O	Door Pin hole	3/16"	
P	Door Handle hole	3/8"	
Q	Door Insert Clamp Screw hole	13/64"	1/4-20
R	Draft Damper Wire hole	1/8 x 3/32"	deep
S	Coal Chain Screw hole	#22 (5/32")	10-24
T	Stove Pipe Screw holes	3/16"	

RESOLUTE III: INTERIOR PLATE DISASSEMBLY

Step 1 – Remove the Upper Fire Back and Damper Assembly

The upper fire back and damper assembly are held in place by two 1" hex head bolts which pass through the back of the stove and are secured by Acorn Nuts. Remove these nuts and bolts. Lift the upper fire back toward the front of the stove.

Rotate the assembly clockwise and disengage the damper handle from the damper link (**Fig. 1**). The upper fire back and damper assembly can now be removed from the stove.

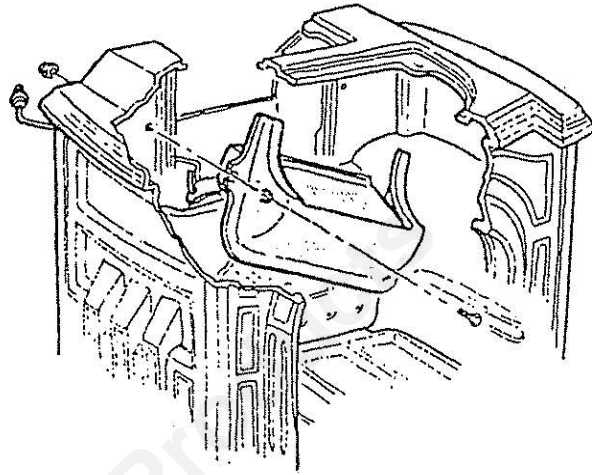


Fig. 1 Unhitch the Damper

If you wish to remove the damper from the upper fire back, loosen the two 5/16" hex head screws on the sides of the upper fire back, and swing the locks out of the way. The damper can now be disengaged from the upper fire back (**Fig. 2**).

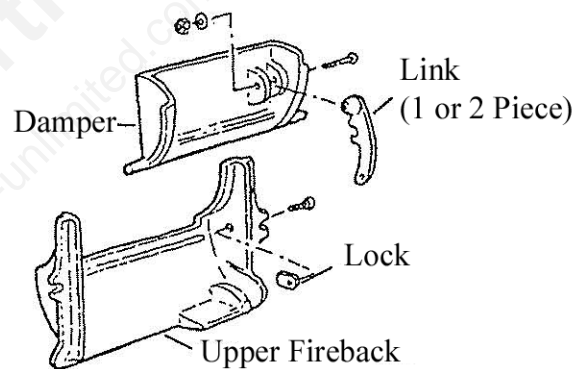


Fig. 2 Damper Assembly & Upper Fireback

If further disassembly of the interior is not needed, proceed to Section 4 on Interior Plate Re-Assembly.

Step 2 – Remove the Inserts

Remove the Phillips head screw from the left insert. You may need to pound the area around the screw with a rubber mallet or sharply strike the screwdriver handle with a hammer as you hold the screwdriver in place (if you are unsuccessful, drill out the screw head with a 1/4" drill).

Insert a long-shafted screwdriver into the air port of the left insert. Using leverage from the left end, push back and forth on the handle of the screwdriver and shake the insert free. If necessary, drive the tip of the regular screwdriver between the top of the baffle and the horizontal ridge on the left side of the stove and wedge the insert out.

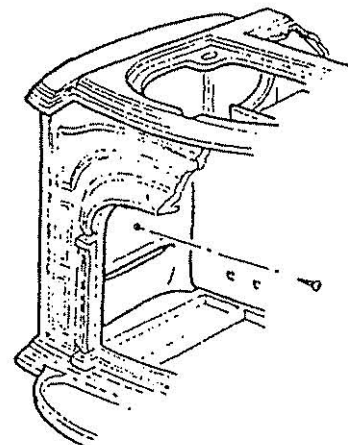


Fig. 3 Remove Left Insert

Step 2 – Remove the Inserts – Cont.

Remove the Phillips head screw from the right insert.

Remove the right insert by using the seam formed by the insert and the horizontal right ridge above the insert as a prying point with your screwdriver. Work from the front of the stove toward the back.

(Fig. 4)

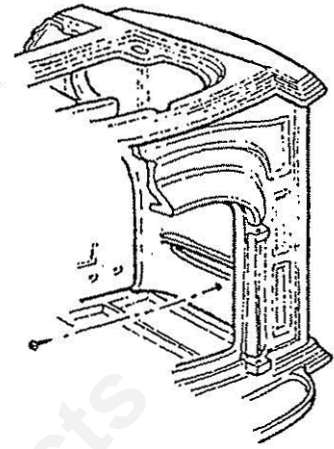


Fig. 4 Remove Right Insert

Step 3 – Remove the Lower Fire Back and Baffle

The lower fire back and baffle were cemented in place when your stove was built. Use your rubber mallet or block of wood and hammer to break the cemented joints.

Pry the lower fire back forward and remove it from the stove **(Fig. 5)**.

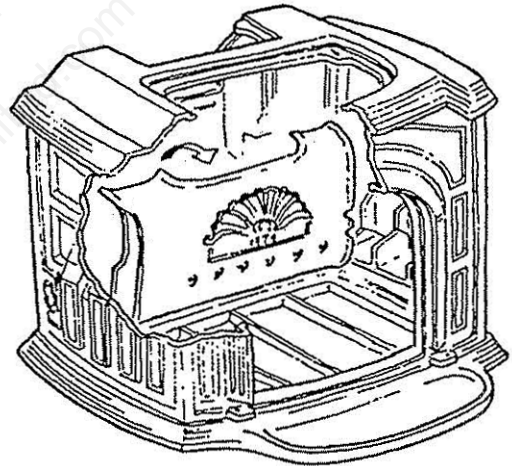


Fig. 5 Remove Lower Fireback

RESOLUTE III: INTERIOR PLATE RE-ASSEMBLY

Step 1 – Replace the Baffle

Generously cement the baffle channel in the right end (**Fig. 7**).

Slide the baffle into position aligned with the fins upward in the upper notch on the right side of the fire back and set in the horizontal channel in the right end. With a rubber mallet, strike the front end of the baffle firmly until it is seated against the right side of the stove (**Fig. 8**). Cut a wood shim to use hold it tightly in place after installing the lower fireback in the next step.

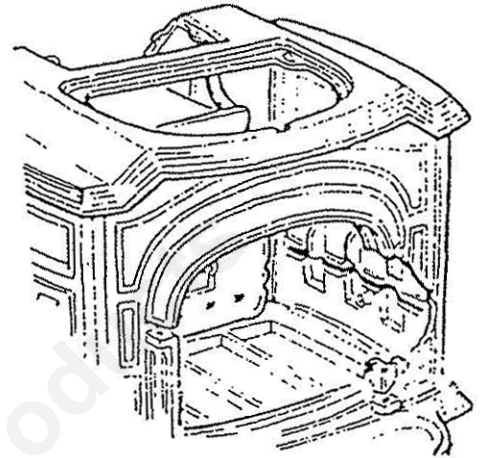


Fig. 7 Cement Baffle Channel

Step 2 – Replace the Lower Fire Back

Cement the secondary air tube channel on the inside of the back plate (**Fig. 9**).

Cement the secondary air tube channel on the back of the lower fire back (**Fig. 10**).

Insert the lower fire back through the front door opening.

Holding the lower fire back slightly above the bottom plate, slide it back a little to the left against the back plate. You will be inserting the long rib on the fire back into its corresponding channel on the back plate as well as inserting the long rib on the back plate into its corresponding channel on the fire back. This forms the secondary air tube.

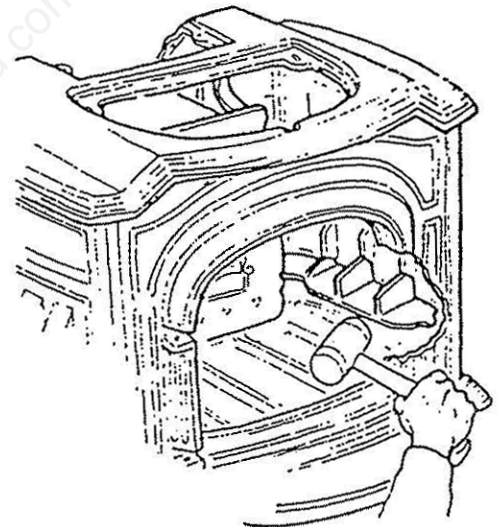


Fig. 8 Slide In & Install Baffle

Tap firmly into place and hold in place with a wooden shim.

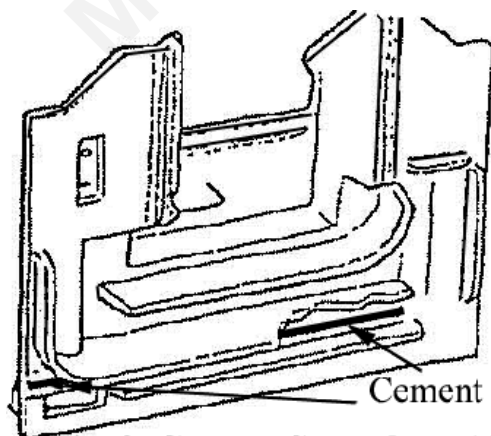


Fig. 9 Cement Secondary Air Channel

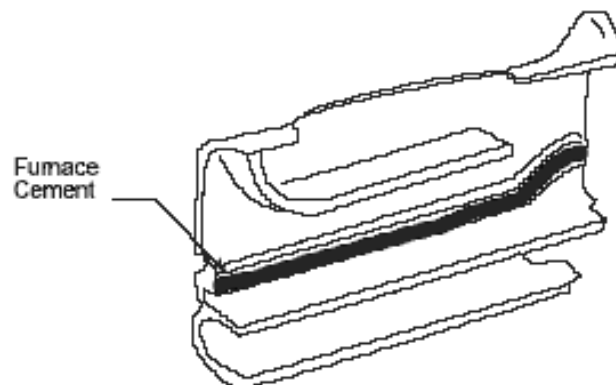
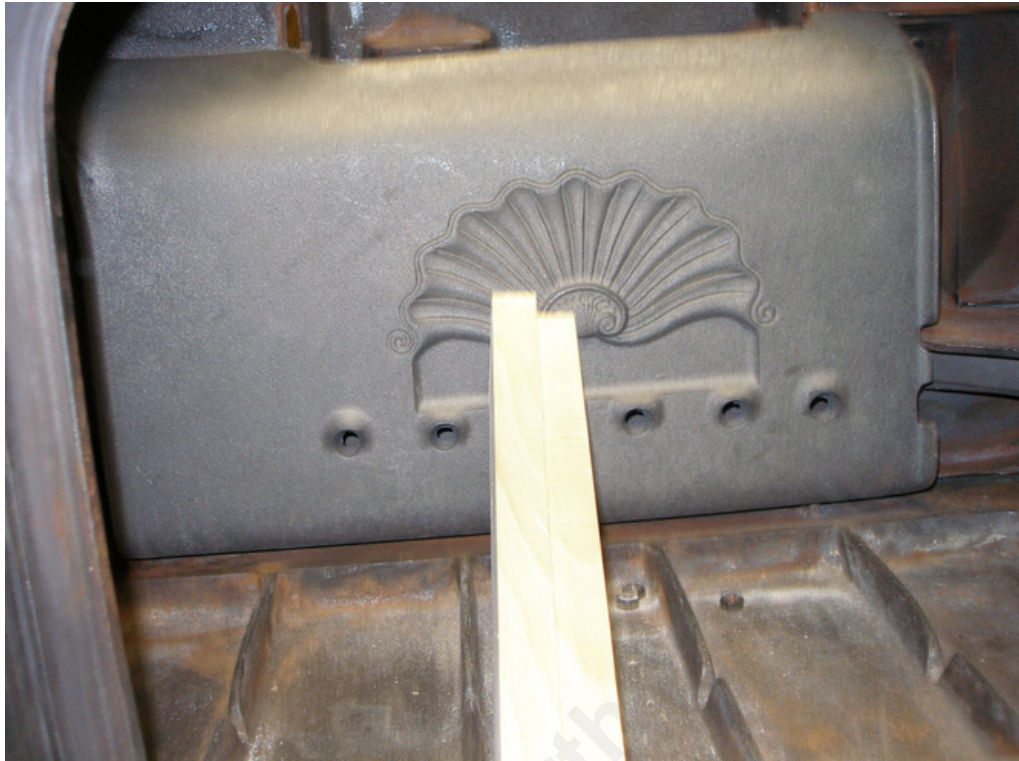


Fig. 10 Cement Secondary Air Channel on Back of Lower Fireback



Lower Fireback in Place with Shim



Lower Fireback Installed Showing Baffle Installed

Replace the Inserts

Replace the left insert to rest under the ridge on the left side of the stove and to sit behind the front tie rod. Set it in place with a few firm taps with a rubber mallet.

Secure the left insert with the shorter Phillips head screw (**Fig. 11**)

Remove the baffle shim. Pivot the back edge of the right insert into place around the fire back and swing the front of the right insert toward the right end.

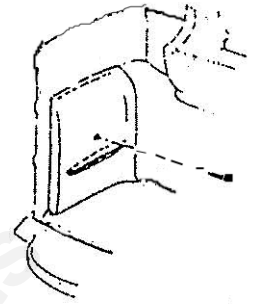


Fig. 11 Replace Left Insert

It fits tightly: use your rubber mallet or hammer and block of wood to drive it into place.

Secure the right insert with the longer Phillips head screw (**Fig. 12**).
Remove the lower fireback shim.

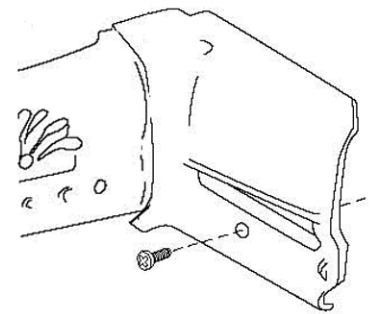


Fig. 12 Replace Right Insert

Step 4 – Replace Upper Fire Back and Damper Assembly

To rejoin the damper to the upper fire back, place the damper pins on the shelf inside the back of the upper fire back (**Fig. 13**). Swing the locks in place and tighten the two 5/16" hex head screws on the sides of the upper fire back (see **Fig. 13**).

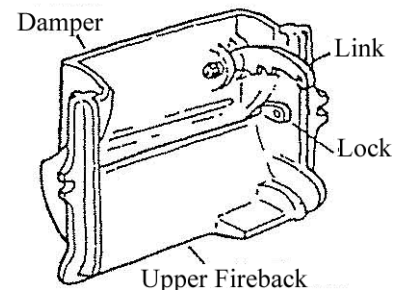


Fig. 13 Replace Damper

Hook the damper link to the damper handle. Holding the damper handle and upper fire back in place temporarily will be helpful in observing how these parts fit together. See Figures 15 and 16 on the next page.

As you move the upper fire back in place against the back of the stove, the damper handle should be pointing upward. When the upper fire back and damper assembly are tight against the back of the stove, pass the two 1" hex head bolts through the upper fire back and back of the stove, and tighten the Acorn Nuts on the bolts (**Fig. 14**).

Check to see that the damper moves freely.



Fig. 14 Upper Fireback damper handle position



Fig. 15 Damper Link and Damper Handle close up

RESOLUTE III: COMPLETE REFURBISHING

DISASSEMBLY

Step 1 – Preparation

Lift or raise the stove onto blocks or a stand so that the stove legs are off the floor.

Clean the stove bottom of all insulating sand or ash.

Remove the griddle, flue collar, front doors, ash fettle and thermostat cover.

Remove the legs using a 9/16” socket or open end wrench.

Step 2 – Remove Interior Plates

Refer to the RESOLUTE III: INTERIOR PLATE DISASSEMBLY section.

Remove all interior plates.

Step 3 – Tie Rod Removal

Using a 7/16” deep socket, unscrew and remove all four tie rod nuts underneath the bottom of the stove. The nut may come off, or the tie rod may become unscrewed from the top plate. Either case is alright.

Step 4 – Exterior Plate Disassembly

*NOTE: When removing plates that are cemented together, always use a rubber mallet or hammer and block of wood. DO NOT hammer on any casting with a metal hammer.

Tap upwards around the edges of the top plate with a rubber mallet.

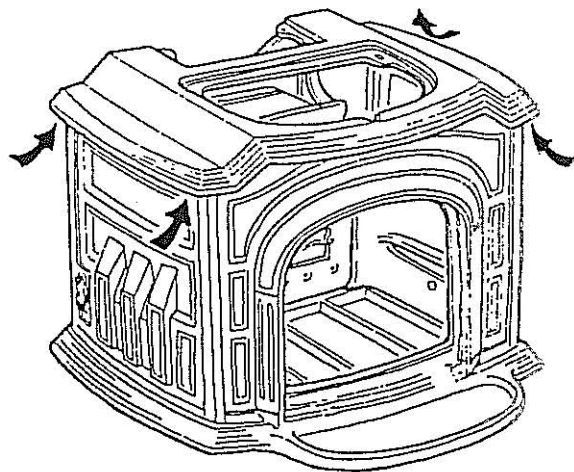
Lift the top plate off with the tie rods attached. Set aside the top plate for cleaning.

Unscrew the tie rods with vise grips held as close as possible to the top plate; you want to avoid any possibility of the tie rods breaking off inside the top plate. Use penetrating oil if necessary.

Top the top edge of the front plate forward. Lift the front plate out.

Tap the tight and left ends outward and remove.

Remove the back plate.



RESOLUTE III: COMPLETE REFURBISHING (ASSEMBLY)

Step 1 – Preparation

Clean all channels of the bottom plate, end plates, front plate and top plate of old furnace cement using a hammer, screwdriver, and wire brush. **Remember to use your protective eyewear.** Clear the dust from these channels with a damp cloth or old vacuum cleaner. Extreme care must be used when cleaning hardened cement from enameled plates. Work slowly. Remove only the cement which prevents new parts from seating correctly.

We recommend that you test fit any new castings without cement first. If the parts do not fit properly, re-clean, file, or grind as needed; tape over the leg bolt holes with masking tape so the holes will not fill with furnace cement.

Step 2 – Assemble Exterior Castings

Place masking tape over the corner leg bolt holes of the new bottom plate or insert the leg bolt hole screws flush to the inner bottom to prevent cement from entering them.

Cement the channels in the bottom plate for the four outside cast plates.

Cement the side channel in the right end.

Set the back plate in place. While holding the back plate upright, set the right end in place with its channel overlapping the back plate.

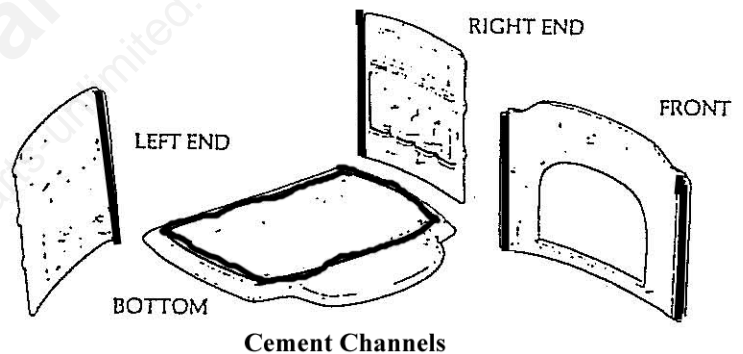
Cement the channel in the left end.

Push the left end into place with the channel overlapping the back plate.

Cement channels in the front plate.

Set the front plate in the front channel. Hammer along the upper seams and corners of the front plate, as well as all other plates to set the overlapping channels in position.

Tie a rope securely around the stove at this point to prevent the castings from moving during the next two steps.



Step 3 – Assemble the Interior Castings

Refer to the RESOLUTE III: INTERIOR PLATE ASSEMBLY section and install the interior plates.

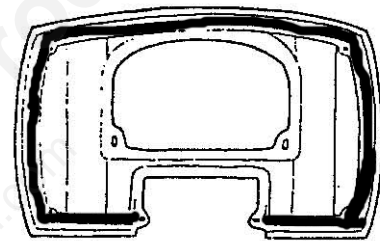
Step 4 – Replace the Top Plate

Set the tie rods down into their four holes in the bottom plate, with the longer threaded end toward the bottom, and let them rest on the floor.

Cement the channels in the top.

Set the top plate in place. With blows from the rubber mallet on the upper edges of the outside castings, and on the top, seat the top down over the edges.

Secure each hex nut a few threads onto the bottom end of each tie rod. Holding the bottom of the tie rods, screw the tie rods up into the threaded holes in the top plate.



Cement Channels in Top Plate

Hammer downward on the top again to be sure it is set tightly over the side castings.

Tighten the hex nuts with a 7/16" socket.

DO NOT OVERTIGHTEN as the tie rods may strip out of the top plate which will require removal of the top plate and use of heli-coil. When the tie rod feels secure, wrench the protruding end of the tie rod back and forth with vise grips to break it off just below the nut; this step is necessary to allow replacement of the stove legs.

Step 5 – Finishing

Smooth the excess furnace cement on the outside seams of the stove with a putty knife.

Remove all excess cement from the outside of the stove with warm water and a rag.

Go over the seams with a dry rag.

Re-paint the stove.

Replace the front doors, griddle, ash fettle, flue collar, and thermostat cover.

You have now completed the entire **Resolute** woodstove assembly.

RESOLUTE III: BOTTOM PLATE REPLACEMENT ONLY

Step 1 – Preparation

Clean the stove bottom of all insulating sand or ash.

Remove the flue collar, flue collar extension plate, griddle, front doors, and ash fettle.

On a drop cloth, gently roll the stove over onto its top plate. Remove the legs using a 9/16” socket or open end wrench. Tie a rope securely around the middle of the stove to prevent breakage of the end seals when the bottom plate is removed.

Step 2 – Bottom Plate Removal

Using a 7/16” socket or open end wrench, remove all four tie rod nuts. The nuts may come off, or the tie rod may become unscrewed from the top plate; either case is alright.

Tap upward around the edges of the bottom plate with a rubber mallet.

Lift the bottom plate off.

Gripping the tie rods with vise grips, unscrew them from the top plate and pull them out. Discard these tie rods as new ones will be used.

Step 3 – Bottom Plate Installation

Place masking tape over the corner leg bolt holes of the new bottom plate or insert the leg bolt hole screws flush to the inner bottom to prevent cement from entering them.

Cement the channels in the new bottom plate which will receive the front, back and end plates (**Fig. 15**).

Flip the new bottom plate, upside down, onto the stove.

Rap down along the edges of the bottom plate, setting the edges of the front, back, and end plates into the appropriate channels in the bottom plate.

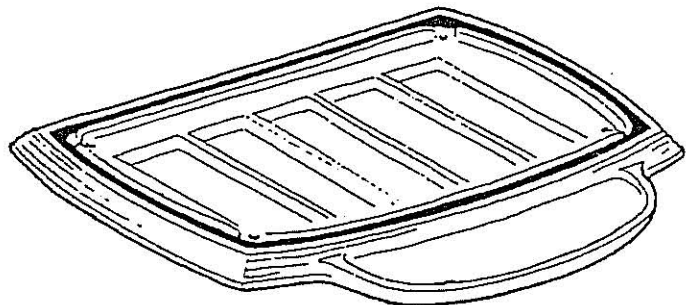


Figure 15 Bottom Plate Cement

Step 4 – Install Tie Rods

Place the new tie rods, shorter threaded end down, down through the tie rod holes in the bottom plate into the threaded tie rod holes in the top plate.

Hand tighten the tie rods into the top plate.

Thread the hex nuts a few turns onto the tie rods.

Attach the vise grips to the end of the tie rods and firmly tighten them into the top plate.

Using a 7/16" deep socket, tighten the hex nuts down.

Check the seam all the way around to make sure the bottom plate is completely down.

DO NOT OVERTIGHTEN the hex nuts as the tie rods may strip out of the top plate which will require removal of the top and use of a heli-coil. When the tie rod feels secure, wrench the protruding end of the tie rod above the hex nut with vise grips to break it off; this step is necessary to allow replacement of the legs.

Step 5 – Finishing

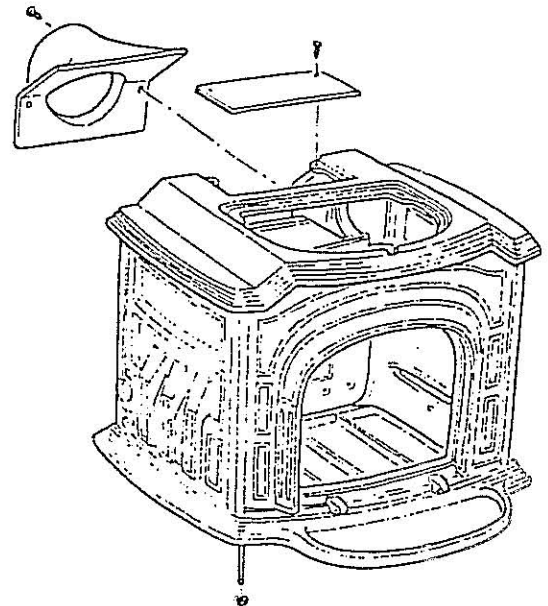
Replace the legs using a 9/16" socket or open end wrench.

Gently roll the stove back over onto its legs.

Wash the excess cement off the bottom plate seam with a wet rag. Wipe with a dry rag before re-painting.

Paint the new bottom plate.

Replace the flue collar, flue collar extension plate, front doors and ash fettle.



RESOLUTE III DOOR GASKET



Resolute III Doors with Double Glass Rear View

Door Seal Gasket – Left Door (on the right above): 2' of 5/16" low density fiberglass #1203588
Right Door (on the left above): 3' of 5/16" low density fiberglass #1203588

Start and finish right door gasket in the bottom right corner in the photo above (bottom left when viewed from the front).

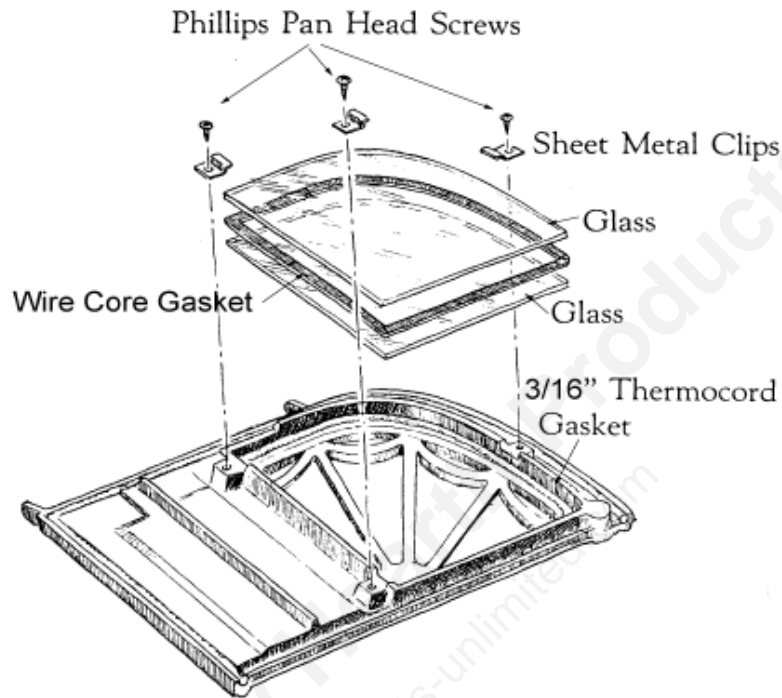
Double Glass Gasket – Each side: 2' of 3/16" fiberglass for outer glass to door seal 1203556.
Each side: 2' of gasket sleeve for wire core seal between the inner and outer glass 1203600.

Single Glass Gasket - Each side requires 2' of 3/16" fiberglass for outer glass to door seal.

See graphics on the next page.

RESOLUTE III GLASS PARTS

Clean Glass System With Three Clips



Single Glass System With Two Clips

