

SEAL KIT REPLACEMENT

for Salvajor Disposers

Series G,H & J Part Number: KSH123

FOR MODELS: 75 - 100 - 150 - 200 - 300 - 500 - 750

STARTING SERIAL NUMBER

MODEL	VOLTAGE	PHASE	SERIAL NO.
75	115/230	1	72139
75	208	1	71135
75	208-230/460	3	73142
100	115/230	1	9318
100	208	1	3709
100	208-230/460	3	8401
150	115/230	1	152115
150	208	1	151144
150	208-230/460	3	153322
200	115/230	1	6169
200	208	1	3698
200	208-230/460	3	16441
300	208-230/460	3	11850
500	208-230/460	3	8472
750	208-230/460	3	5100

These instructions are designed to assist in the rebuilding of Salvajor Disposers.

Not all parts in this kit will be identical matches to the parts removed.

The changes made are part of our ongoing commitment to quality, increased longevity and durability of Salvajor Disposers.

All repairs should be made according to local codes and by a qualified technician.



#1 in FOOD WASTE SOLUTIONS

The Salvajor Company 4530 East 75th Terrace Kansas City, Missouri 64132-2081, USA

1-888-SALVAJOR

FAX: 1-800-832-9373

www.salvajor.com

Email: sales@salvajor.com

service@salvajor.com

Manufacturers of Commercial Food Waste Disposing Systems since 1944

Salvajor Disposer Disassembly

Step 1 SHUT OFF POWER TO THE DISPOSER CONTROL and remove disposer from service. Remove the top housing by removing the eight top housing bolts. Remove the center gasket located on the top of the cutters.

Note: For easier removal, the top housing can be left attached to the sink, remove the eight bolts so that only the disposer bottom comes off. This eliminates the need to undo the plumbing to the top housing.

Step 2 Turn the unit upside down so the junction box and thermal overload covers are facing up and remove both of these covers. Remove the black rubber gasket over the thermal overload and pull the thermal overload out of its seat by pulling on the red button. Remove the o-ring and push the thermal overload back through the hole so that it is inside the bottom of the unit.

Step 3 Turn the unit back over and now you are looking at the cutters. The stationary cutter is the shredder and the cutter in the middle that spins is the face plate. The piece under the face plate is the rotor base. Remove the shredder by inserting a screwdriver in between the face plate and the shredder and pry it out. Remove the 1-1/4" rotor nut (1-10 hp) or the 3/8" rotor bolt (older style 1 hp). Lift face plate off the motor shaft, remove the rotor shaft gasket and the rotor base the same way as the face plate. Next remove the four screws in the top end bell insert.

Note: Rotor base might come off attached to the face plate, if so, separate these parts as the rotor shaft gasket is located between these parts.

Step 4 Lay unit on its side, use a RUBBER mallet to strike the large threaded end (7/8-14) of the motor shaft, driving it out the bottom. The motor rotor will come out with the bottom end bell assembly still attached.

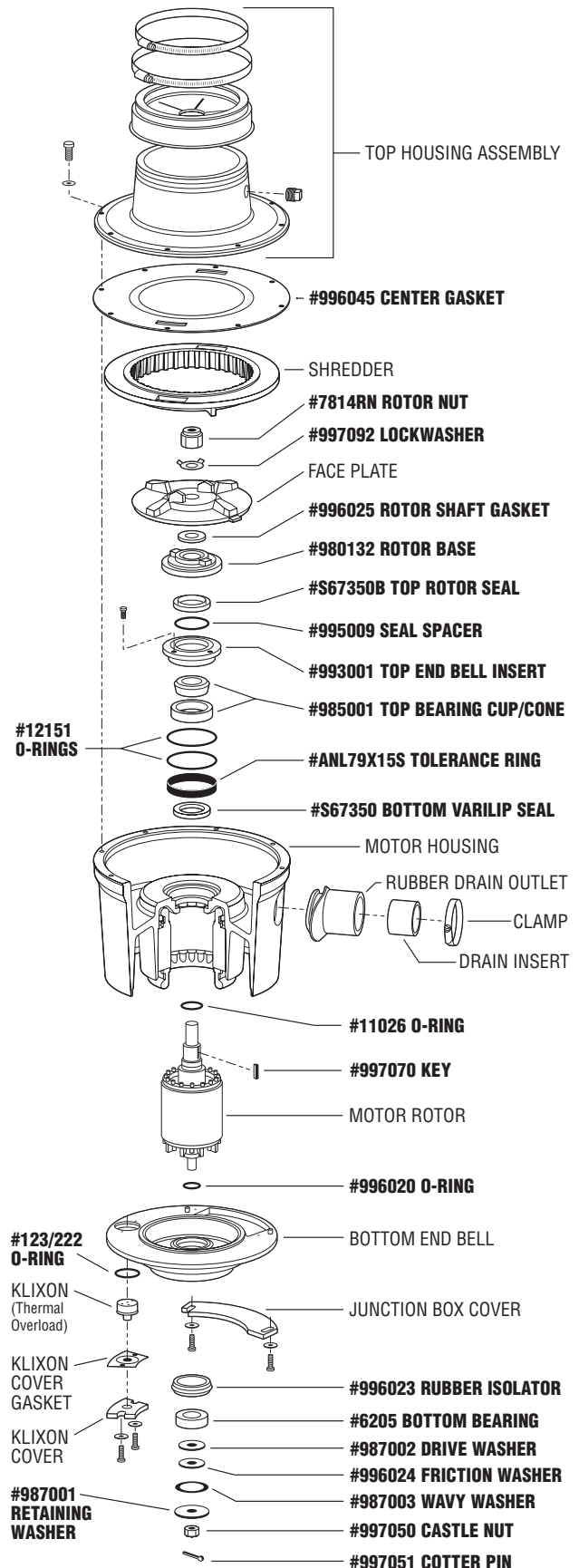
Note: Verify that Step 2 is complete before completing Step 4 or the thermal overload wiring may be damaged.

Step 5 Turn the motor housing upside down and remove the top end bell insert by pushing it out from inside the motor barrel. After the insert is out, the tolerance ring and o-rings will also need to be removed if they did not come out with the insert.

Step 6 Using a long screwdriver, drive out the bottom seal from the motor barrel side of the unit. It will come out similar to the top end bell insert.

Step 7 Remove the cotter pin and 1/2" castle nut from the bottom end bell assembly and remove the four washers. Use a RUBBER mallet to separate the bottom end bell assembly and the motor rotor. Once separated, remove the bottom sealed bearing and the orange bottom end bell rubber isolator.

You are now ready to install the seal kit.



Items in **bold** are included in kit.

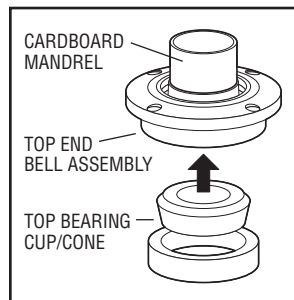
Seal Kit Installation

Step 1 With disposer housing upright, press the bottom varilip seal (S67350), open side up, into the bottom of the bearing pocket. The upper lip of the bottom varilip seal should be flush with the bottom of the bearing pocket.

Step 2 Place the tolerance ring (ANL79X15S) into the bearing pocket and push out against the outer wall.

Step 3 Place one o-ring (12151) into bottom of the bearing pocket and place the second o-ring around the bottom portion of the top end bell assembly.

Step 4 Push cardboard mandrel to the top of seal in the top end bell assembly. Do not remove. Press the pre-greased top bearing cup\ cone (985001) into the top end bell assembly (993001) as shown.



Note: *The top bearing cup/cone should go into the top end bell assembly so the cone taper (narrow side) faces down.*

Step 5 Carefully place top end bell assembly, complete with top bearing cup/cone, into bearing pocket. Make sure the tolerance ring remains against the outer wall of the bearing pocket. Tighten the four screws.

Step 6 If stator and motor housing insert were removed, turn disposer housing upside down and line up motor lead outlet on the motor housing insert with the slot in the disposer housing. Insert the new stator and motor housing insert. Using a rubber mallet, seat the motor housing insert by tapping on the insert.

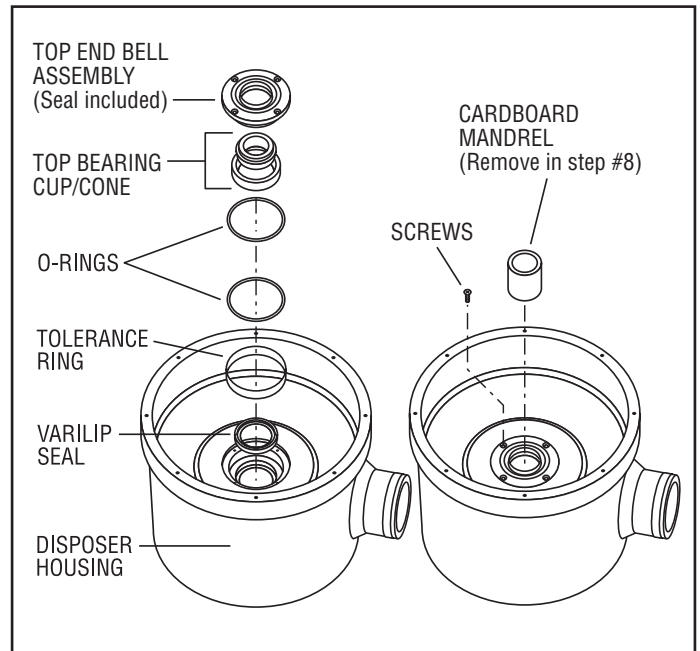
Step 7 Place the new o-ring (11026) on the larger end of the the motor rotor shaft and new o-ring (996020) on the smaller end in the slots provided and insert the motor rotor shaft larger threaded end into the disposer housing making sure it bottoms out in the top bearing cup/cone. Once the motor rotor shaft is in place, turn the disposer upright onto a prop, such as a block of wood, under the bottom of the motor rotor shaft to assure it stays in the top bearing.

Step 8 Remove the cardboard mandrel from the top end bell assembly. Immediately place the rotor base (980132) on the motor rotor shaft and align the key slots. Once the rotor base is in place, tap the key (997070) into the slot until it bottoms out.

Note: *New style rotor base may be smaller than the rotor base that was taken out.*

Step 9 Insert the rotor shaft gasket (996025 / RSG) in the center of the rotor base around the motor rotor shaft.

Step 10 Place the face plate on top of the rotor base and align tabs on bottom for proper seating. Install the lock washer (997092- or 38L) and 1-1/4" rotor nut (7814RN-) or 3/8" rotor bolt with o-ring (38162/11012) on the shaft and tighten until the rotor nut, or bolt depending on series of disposer, bottoms out completely and the face plate is tight against the rotor base.



Installation instructions continued on back page →

Seal Kit Installation

Step 11 Insert the bottom end bell into the bottom of the disposer housing and pull the thermal overload through the hole provided in the bottom end bell. Place o-ring (123- 3/4 to 3 h.p. or 222- 5-10 h.p.) around the thermal overload and push back into bottom end bell hole. Install thermal overload cover and gasket securing them with two 10-32 hex head bolts and washers. Place the bottom end bell on the disposer housing lining up the junction box opening in the bottom end bell with the junction box in the disposer housing. Carefully pull all the stator wires into the junction box and make sure you have not pinched any wires. Tap the bottom end bell into place with a rubber mallet.

Step 12 Place bottom end bell rubber insulator (996023) in to the bottom bearing pocket of the bottom end bell.

Step 13 Place bottom bearing (6205) over the motor rotor shaft into the bottom bearing pocket making sure not to crimp the bottom end bell rubber insulator.

Note: Bearing must seat completely in bottom end bell.

Step 14 Place the drive washer (997002) over threads on the motor rotor shaft and against the bottom bearing.

Step 15 Place the friction washer (996024) over the threaded end of the motor shaft and on top of the drive washer.

Step 16 Place the wavy washer (987003) over the shaft and locate it on the drive washer around the outside of the friction washer.

Step 17 Place the retaining washer (987001) over the shaft and up against the wavy washer and the friction washer.

Step 18 Screw the 1/2" castle nut (997050) on the motor rotor shaft. This should be tightened down and then backed off and then tighten to 48 inch lbs with a torque wrench. **NOTE: Over or under torquing can damage the bearing!**

Step 19 Push cotter pin (997051) through hole in motor shaft. Bend around castle nut to secure.

Note: There should be no vertical play in the motor rotor shaft at this time.

Step 20 Turn the disposer upright and check for up and down play and that unit spins freely. Insert the shredder by lining up the four tabs with four of the motor housing bolts and tap into place.

Step 21 Place the center gasket (996045) and remove center of gasket so that the inside diameter matches shredder. Place top housing on motor housing and secure with the eight motor housing bolts.

