



Manufacturer of products that protect against salt corrosion

The Royal Treatment™

SALT-AWAY INSTRUCTIONS FOR ALL BOAT ENGINE FLUSHING

SALT-AWAY can be used safely on magnesium, aluminum, metal, fiberglass, rubber, plastic, impellers, seals, and all other surfaces exposed to soluble minerals, including sodium and calcium. Flushing your engine's cooling system with Salt-Away removes the fresh salt, calcium and other debris from fresh water lakes, then leaves corrosion inhibitors on the inside surfaces to help protect against future encrusted mineral accumulation. After flushing with Salt-Away, do not rinse the engine with fresh water. While the engine is not being used, Salt-Away soaks through and breaks apart any accumulated salt, and the corrosion inhibitors in the solution protect metals from rusting that stay wetter longer.

OUTBOARD ENGINE FLUSH:

To remove salt, inhibit corrosion and to break apart salt accumulation in your engine's salt water cooling system.* Salt-Away Mixing Unit required, unless flushing from a container.**

1. Remove reservoir of Mixing Unit and fill with Salt-Away. Keep track of the o-ring. Unit will not work if missing.
2. Replace reservoir. Always make sure the o-ring is seated in the groove on top of the **reservoir** before replacing.
3. Connect garden hose to handle of Salt-Away Mixing Unit. Mixing Unit is in 'Off' position.
4. Connect other end to flushing device or engine flush port.
5. Turn on water.
6. Turn Salt-Away Mixing Unit to '*Rinse*' position to begin water flowing through to start the engine.
 - If using a flushing device on the lower unit, turn on the engine now.
 - If your engine uses a thermostat, run on rinse until engine comes up to temperature.
 - If using the flush port, **DO NOT TURN ON ENGINE.**
7. Turn Salt-Away Mixing Unit to '*Salt-Away*' position.
8. Flush Salt-Away through the cooling system. Watch for Salt-Away foaming action to exit, 5-10 seconds.
9. Stop flushing after the Salt-Away foam has appeared. If the engine is running, turn it off now. All the fresh salt and other minerals are already out.
10. Turn Salt-Away Mixing Unit to the '*Off*' position after engine is off. Remove the Mixing Unit.
11. It is not necessary to flush your engine with fresh water before flushing it with Salt-Away. Fresh water does not add to the quality of the flush. Do not rinse your engine with fresh water after the Salt-Away application. Leaving Salt-Away in your engine protects against rusting and corroding, and breaks apart salt and other mineral accumulation when the engine is idle. Use remainder of Salt-Away in reservoir to wash your boat and other equipment. Excellent for flushing trailer brakes and spraying off towing vehicle's undercarriage.

*Always flush engine according to manufacturer's instructions. The length of time to flush your engine does not need to adhere to the manufacturer's instructions. Those recommendations are based on using fresh water, which does not remove salt, even if flushed for a very long time. With Salt-Away, it is not necessary to flush more than 30 seconds.

**If flushing from a container, Salt-Away Concentrate should be 0.5% of the total volume of the solution. In liters or US Gallons, determine the total volume of water you plan to use for flushing. Convert your volume to milliliters or fluid ounces and calculate that figure by 0.5%. The result will be the amount of Salt-Away to use. Measure it in milliliters or fluid ounces and add it to the water. The amount of Salt-Away added to the water does not have to be precise. It is ok to round up or down to the nearest whole number.

EXAMPLE: 16 Liters X 1000 mL = 16,000 mL X 0.5% = 80 mL. Add 80 mL Salt-Away to 16 Liters of water.
4 US Gallons X 128 FL OZ = 512 FL OZ X 0.5% = 2.56 FL OZ. Add 2.56 fluid ounces Salt-Away to 4 US Gallons of water.

To flush engine, insert the lower unit into the Salt-Away solution making sure the intake holes are below the water line. Follow Steps 8 & 9 above.



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TIP: USING SHORT WATER HOSE TO FLUSH OUTBOARD ENGINE WHEN BOAT IS IN WATER

Benefit: Operate the Mixing Unit near you. No need to lean over water to operate.

Follow engine manufacturer's instructions regarding raising and lowering lower unit for in-water flushing. Motor Flusher and Salt-Away Mixing Unit are required.

MAKING SHORT HOSE:

1. Purchase a section of ordinary 3/4" hose material about 4-6 feet in length from boating accessory store. You will also need one 3/4" Male hose connector and one 3/4" Female hose connector and 2 hose clamps for 3/4" hose.
2. Insert the connectors, one on each end of the hose, and use hose clamps to keep connectors from coming out of the hose.

INSTALLING SHORT HOSE

Install short hose inline between motor flusher and Salt-Away Mixing Unit

1. Connect outlet end of short hose to the motor flusher.
2. Connect inlet end of short hose to outlet end of Salt-Away Mixing Unit
3. Connect the water hose to the inlet end of the Mixing Unit.
4. Follow Salt-Away's instructions for flushing using the Mixing Unit.

INBOARD and I/O MOTOR FLUSHING

Consulting with your mechanic is the best recommendation we have with regard to how to access the raw water path, what equipment is required and its installation to perform the flush. The important objective is to get the Salt-Away into the engine. Referring to our instructions for outboard flushing may be helpful to understand the concept.

Following are comments that may be helpful.

FLUSHING THROUGH THE SEA STRAINER.

1. In recent years, major manufacturers of sea strainers have redesigned their units to incorporate a water hose inlet port into the sea strainer lid. This has been our (Salt-Away Products, Inc.'s) dream for many years. If you have one of these, attaching the Salt-Away Mixing Unit directly to the port to dispense the product through the engine is very similar to flushing an outboard.
2. If you have a sea strainer, but not with the inlet port, you still can flush your engine with Salt-Away.
 - Remove sea strainer lid. Pour Salt-Away Concentrate into the strainer container. Replace lid.
 - Start engine and let the sea water flow through the strainer and dispense Salt-Away.
 - It is important to time the process. If you flush too long, the purpose of the flush won't work.
 - The sea water will replace the Salt-Away. The product needs to be inside the engine to work.
 - The first time, you may want to ask someone to watch aft during the flush, and signal you as soon as the bubbles from the product appear in the water. Shut off the engine.
 - In the meantime, from engine start to engine shut-off, time the process. It may take some practice.
 - The amount of Salt-Away to use in the strainer is based on many conditions, but start with 6 fl oz (177 mL)

While using sea water to flush Salt-Away through the engine, does not make the salt disappear. It becomes part of Salt-Away's formula. However, Salt-Away is effective in three ways, 1) it keeps the salt from attaching to the inside walls of the cooling system, 2) it breaks apart encrusted salt accumulation, and 3) the corrosion inhibitors keep the metals from rusting.