

Recharging Model AC39 Manual Water Softener

Manually recharge your Hydro-Soft water softener; the following procedure should be followed:

1. Shut off feed water pressure to the system.
2. Remove black fill plug on the top of the black tank adapter.
3. Pour in, pre measured by weight, 10-15 lbs of coarse rock salt through the fill hole and replace the fill plug.
4. Remove the outlet hose line and replace with drain line that can be run directly to a drain.
5. Allow a small trickle, about the size of a pencil, approximately 1/4 gallon a minute, to flow through the unit. Allow the water to run for 30 minutes.
6. After 30 minutes the system will be recharged and may be set up for normal operation.
7. **IMPORTANT: Every second recharging, before the above procedures, switch the inlet line to the outlet side of the blue tank adapter and turn the water on, allowing water to flow in the opposite of normal direction, at approximately 2 gallons a minute. This will back flush the resin bed and insure that non-channeling will occur. Run this back-flush cycle for 10 minutes.**

CAUTION: Damage may occur if softener is allowed to freeze. The softener contains a high-quality resin which facilitates the ion exchange. Do not discard this resin.

Installation - Model AC39 Manual Water Softener

The AC39 is generally designed to be installed in a van or truck. Secure the softener to a side wall or use the optional mounting bracket and bolt securely to the floor using four bolts with large washers, top and bottom. Secure in such a manner so softener will not tip or fall under extreme driving or stopping conditions. The AC39 comes with a female garden hose connection for incoming water and a male garden hose connection for exiting treated water. Attach good quality hose to these connections; running the treated water to your equipment, turn on the water and the softener is ready to do its job.

Recharging Model AC40 & AC40B Automatic Water Softener, with Twist Timer

To recharge your Hydro-Soft water softener, the following procedure should be followed:

1. It is not necessary to remove the water softener tank from your vehicle. However, you must insure that a fresh water supply with at least 25 PSI available.
2. Your salt storage container (brine tank) must be close enough to the vehicle to allow you to hook up the 1/4" brine line tubing to the control valve. The Model AC40B self-contained unit should have the brine line connected permanently. Your salt storage tank should be at least 1/3 full of extra coarse or pellet salt.
3. Connect a 1/2" hose to the 1/2" white barb on the resin tank just to the left of the twist timer, and run the hose to a drain. If you have Model AC40, remove the metal C-clip directly above the inlet connection and remove the brass plug. Immediately insert the brine line brass connector and replace the C-clip.
4. Turn on the fresh water feeding the normal inlet fitting. Allow 15 minutes before your next procedure. This will allow the brine tank to fill with water to the proper level. This is usually necessary the first time the unit is recharged. Following the recharge cycle, the brine tank will fill and be ready for the next cycle.
5. Turn the control valve twist timer clockwise one complete turn until it stops. This will immediately start water flowing to the drain. The recharging sequence is now started and will take approximately 60 minutes.
6. Once the timer is shut off, the process is over and you may immediately unhook the softener or wait any period of time before doing so. For the model AC40, turn off the water pressure to the system, remove the C-clip, remove the brass brine line insert and replace with the brass plug. Replace the C-clip.

CAUTION: Damage may occur if softener is allowed to freeze. The softener contains a high-quality resin which facilitates the ion exchange. Do not discard this resin.

Installation - Model AC40 & AC40B Automatic Water Softener

The AC40 & AC40B are designed primarily for installation in a van or truck. The brine tank can be installed in the van with main softener unit, or it is usually left in the shop for once or twice a month usage. On model AC40B, the brine tank will always remain with the softener. Secure the softener to a side wall or use the optional mounting bracket (included on Model AC40B) and bolt securely to the floor using four bolts with large washers, top and bottom. Secure in such a manner so it will not tip or fall under extreme driving or stopping conditions. The AC40 & AC40B come with a female garden hose connection for incoming water and a male garden hose connection for exiting treated water. Attach a good quality hose to these connections; running the treated water to your equipment, turn on the water and the softener is ready to do its job.