Wireless Control Swim Current Hydraulic Fluid Change Service Instruction

Before undertaking this procedure, please read the instructions through in their entirety.

Materials Sent:

- Hydraulic Fluid
- Oil filter
- Reservoir Gasket (optional)

Materials Required:

- 15/16" wrench (or large adjustable wrench)
- Phillips screwdriver
- Flashlight
- Empty five-gallon pail (or two)
- Paper towels and plastic bags

The following set of instructions describes how to remove the majority of the fluid from the power unit reservoir.

1. With the 15/16 wrench, disconnect the low-pressure hydraulic hose from the power unit (by the black fill cap) and place the free end into one of the 5-gallon buckets. Start the hydraulic system by pressing the ON button on one of the blue remotes. Hydraulic fluid will pump out from the low-pressure hose. The power unit has a safety circuit that will shut itself down if it detects a low fluid level; therefore, the power unit will shut itself off with fluid left inside the reservoir.
2. Leave the low-pressure hose disconnected and turn off the circuit breaker.
3. Unthread the black lid on the fill cap. Remove the filter (make sure you keep track of the o-rings on the underside of the black lid, and on the black, plastic filter holder if that was removed as well).
4. Remove the last of the fluid from the reservoir using a disposable hand-pump. Tipping and propping the unit towards the fill cap corner will facilitate this.
5. Using the flashlight, visually inspect the inside of the reservoir. If there is a substantial amount of residual fluid in the reservoir, the reservoir top should be removed in order to clean out the debris.

The following set of instructions describes how to remove the residual fluid that remains in the reservoir.

1. Remove the (4) bolts in the corners of the reservoir top.
2. Lift the motor/reservoir top (take care not to bend or damage the float switch). This would best be done with two people.
3. Wipe out the reservoir, and reassemble the power unit.

The hydraulic hoses and submerged hydraulic motor inside of the pool are still filled with old hydraulic fluid. The next few steps will purge the system of the last of this fluid.

1. Fill the power unit so that the fluid level is 2" from the underside of the reservoir lid.
2. Reinstall the oil filter (or install the new oil filter, if purchased).
3. Reinstall the black fill cap.
4. Place and hold the free end of the low-pressure hydraulic hose into one of your empty 5-gallon buckets.
5. Turn the circuit breaker back on and start the hydraulic system by pressing the ON button on one of the blue remotes. Let the power unit run until the fluid coming out of the hose is the new, yellow hydraulic fluid. Immediately shut the system off once new hydraulic fluid presents itself.
6. Refill the power unit so that the fluid level is 2" from the underside of the reservoir lid.

The following set of instructions will ensure that you have the proper level of hydraulic fluid in your power unit reservoir.

1. Place and hold the free end of the low-pressure hydraulic hose into one of your empty 5-gallon buckets
2. Turn on the Power Unit with one of the blue remotes. The returning hydraulic fluid will flow into the bucket. The system will automatically shut off when the float level switch inside the fluid reservoir is tripped.
3. TURN OFF POWER TO THE UNIT AT THE CIRCUIT BREAKER.
4. Reconnect the hose to the power unit and tighten.
5. Open the fill cap and add approximately one quart (250ml) of hydraulic fluid back to the reservoir. Reinstall the fill cap.
6. Restore power and test the unit. It should stay on continuously. (If it turns off, even intermittently, turn off the power, add 1 cup of oil, restore electrical power, and re-start the unit).

Check with your local municipality or recycling center to see if the old hydraulic fluid can be recycled. (The fluid is either Mobil EAL 224-H, or Fuchs Plantohyd 40N). It may also be discarded. If you have a suitable location, the old hydraulic fluid can simply be poured on the ground. It is vegetable-based and readily biodegradable (90% in 21days).