

# *Shoreline Reels*<sup>®</sup>

## **RV Black Water Hose Reel Installation Manual**



**PRODUCTS**

P.O. Box 330931  
Atlantic Beach, FL 32233  
1-904-242-0742  
[www.tdiproducts.com](http://www.tdiproducts.com)

**Tools Required:** Drill, Wire Stripers, 5/16 Wrench, Tape Measure, Phillips Screwdriver

**Parts Included:** 1 Black Water Hose Reel, 1 24" Connection Hose

**Additional Parts:** (Available from TDI Products)

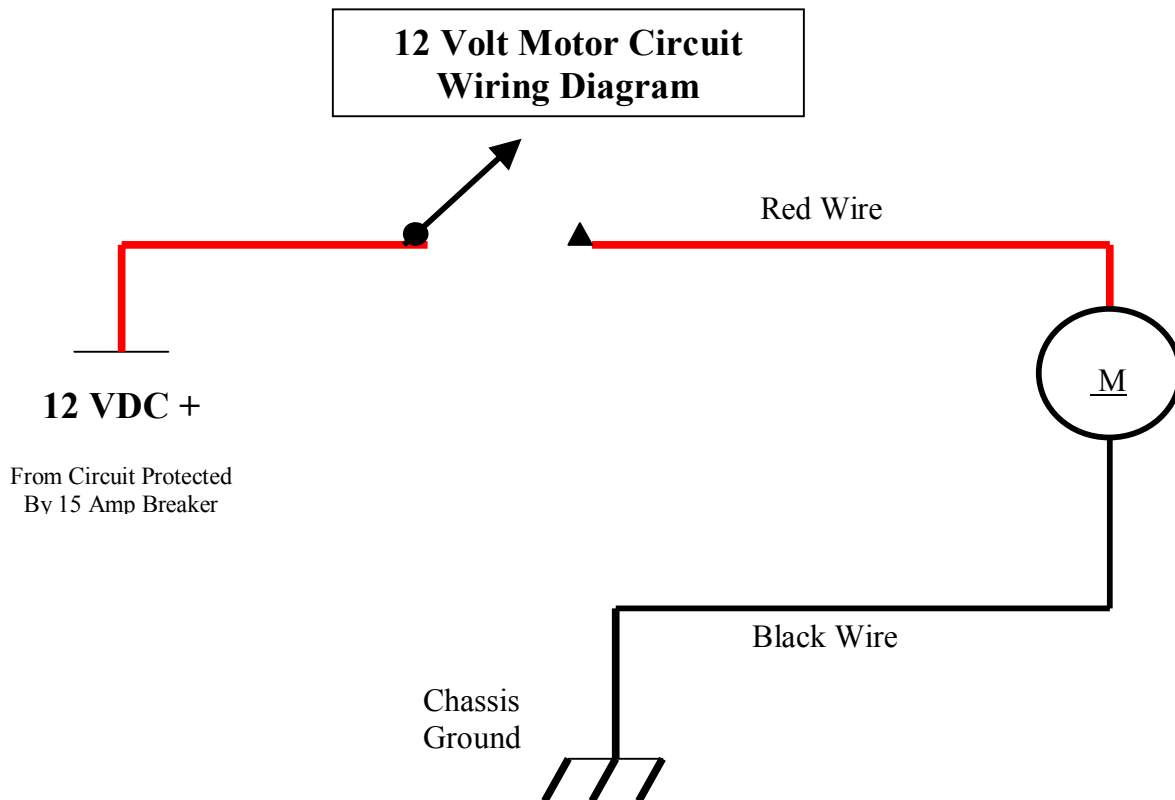
1. Rocker Arm Switch
2. Floor Hatch
3. Under Coach Roller Guide

**Installation Procedure:**

- Step 1** Identify compartment where hose reel will be installed. To simplify the installation it is strongly recommended that the hose reel be installed in the compartment that stores the existing macerator pump and discharge hose.
- Step 2** Measure the compartment to insure there is enough space for the reel. Dimensional drawings are available at [www.tdiproducts.com](http://www.tdiproducts.com) Do not forget to leave room for the power cord to exit through the floor or wall directly in front of the hose reel.
- Step 3** Determine if you want the hose will exit through a side door or floor port. **For proper operation the hose exit must be centered with the center of the spool.** The distance away from the spool is not important only that it is centered. If the exit is not centered the hose will wrap on one the side of the spool closest to the exit and could bind on the reel.
- Step 4** Place the cord reel in the compartment. To simplify handling unspool hose from reel prior to lifting.
- Step 5** Mark the floor, wall or top of compartment where mounting bolts or screws will be located. Remove reel from compartment and drill holes for mounting bolts or screws. If reel is to be hung from top of a compartment it must be installed into a steel frame component. Hanging reels from a wooden compartment is not recommended. If mounting on a plastic floor a stiffening board or plate must be added.
- Step 7** Place hose reel back in compartment and install mounting screws or bolts.
- Step 8** If installing floor or wall hatch drill or cut opening. **For proper operation the hose exit must be centered with the center of the spool.** Mount the floor or wall hatch.

**Warning!** Disconnect the 12 VDC Power Source Prior to Proceeding

- Step 9** Find the nearest 12 VDC power source. The 12 VDC power source must be from a circuit protected by a 15 amp circuit breaker. TDI Products does not recommend using power from a compartment as these normally do not have a high enough amperage rating.
- Step 10** Route the wiring to the desired position of the hose reel switch.
- Step 11** Connect the hose reel motor wires to the 12 VDC power supply per the diagram below using the switch provided or an acceptable rocker switch. Use 14 AWG wire for these connections.



- Step 12** Mount the switch box with the screws provided.
- Step 13** Reconnect the 12 VDC power supply.
- Step 14** Connect the output side of the macerator pump to the  $\frac{3}{4}$  inch MPT fitting on the side of the black water hose reel. TDI provides a 24 inch jumper hose to make this connection.
- Step 15** Feed the hose from the hose reel through the porthole or access door.
- Step 16** Test the unit by depressing the rocker switch. The unit should retrieve the hose. The reels free spool off and are powered in. If the hose wraps the wrong direction reverse the red and black motor leads to the motor.
- Step 17** Fill out and return the warranty registration card.
- Step 18** Go RVing and tell all your friends about your hose reel.