

Shoreline Reels®

**RV Power Cord Reel
Installation Manual**



PRODUCTS

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WARNING!

This unit contains 110 VAC. The wiring should only be done by a qualified electrician.

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

Parts Included: 1 Cord Reel

Additional Parts: (Available from TDI Products)

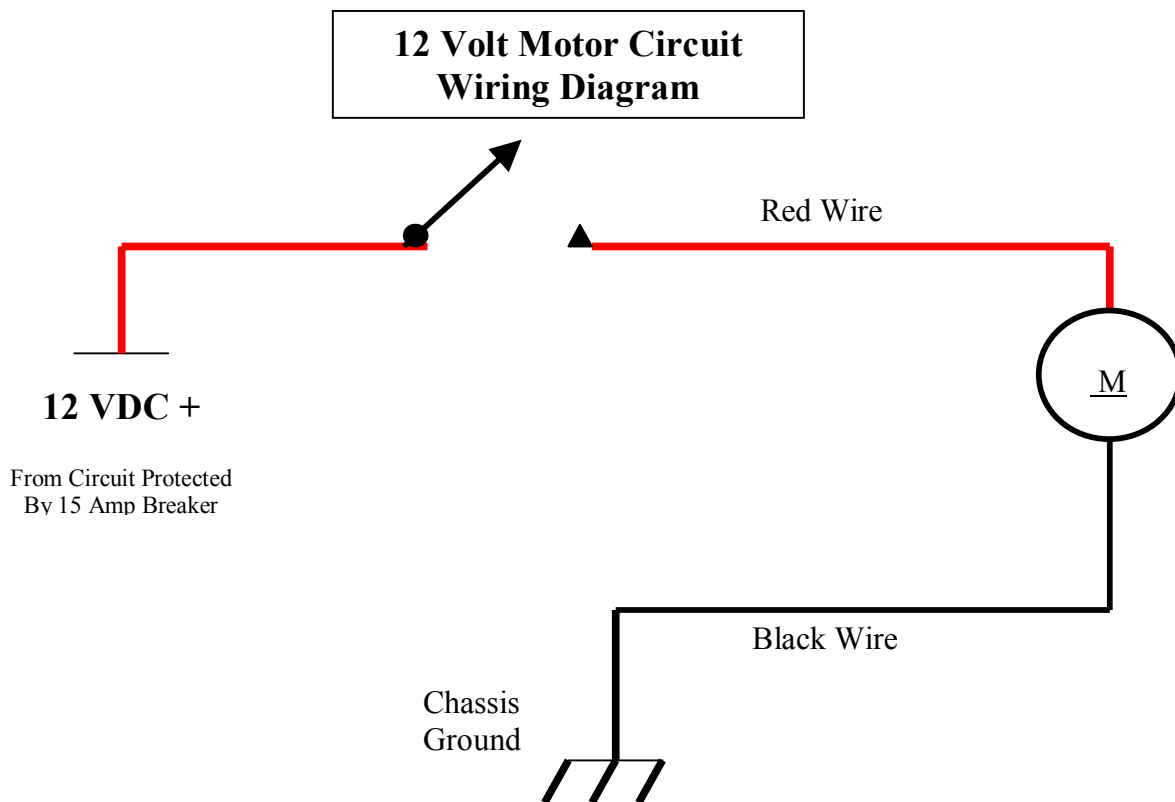
1. Rocker Arm Switch
2. Floor Hatch
3. Under Coach Roller Guide

Installation Procedure:

- Step 1** Identify compartment where cord reel will be installed. To simplify the electrical installation it is strongly recommended that the Cord reel be installed in the compartment that stores the existing power cord.
- Step 2** Measure the compartment to insure there is enough space for the reel. Dimensional drawings are available at 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 cord reel.
- Step 3** Determine if you want the cord will exit through a side door or floor port. **For proper operation the cord 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 cord 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 cord 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 cord 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 cord exit must be centered with the center of the spool.** Mount the floor or wall hatch.
- Step 9** Connect the pigtail from the cord reel to the junction box or power switch were the original power cord was connected. The Cord reel conductors are color coded to match the colors on the existing RV mains supply. **Green is ground, red and black are hot and the white is neutral.**

Warning! Disconnect the 12 VDC Power Source Prior to Proceeding

- Step 10** 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 11** Route the wiring to the desired position of the Cord reel switch.
- Step 12** Connect the Cord 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 13** Mount the switch box with the screws provided.
- Step 14** Reconnect the 12 VDC power supply.
- Step 15** Feed the cord through the floor hatch.
- Step 16** Test the unit by depressing the rocker switch. The unit should retrieve the cord. The reels free spool off and are powered in. If the cord 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 cord reel.