

Shoreline Reels®

Industrial Cord Reel With DC motor 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)

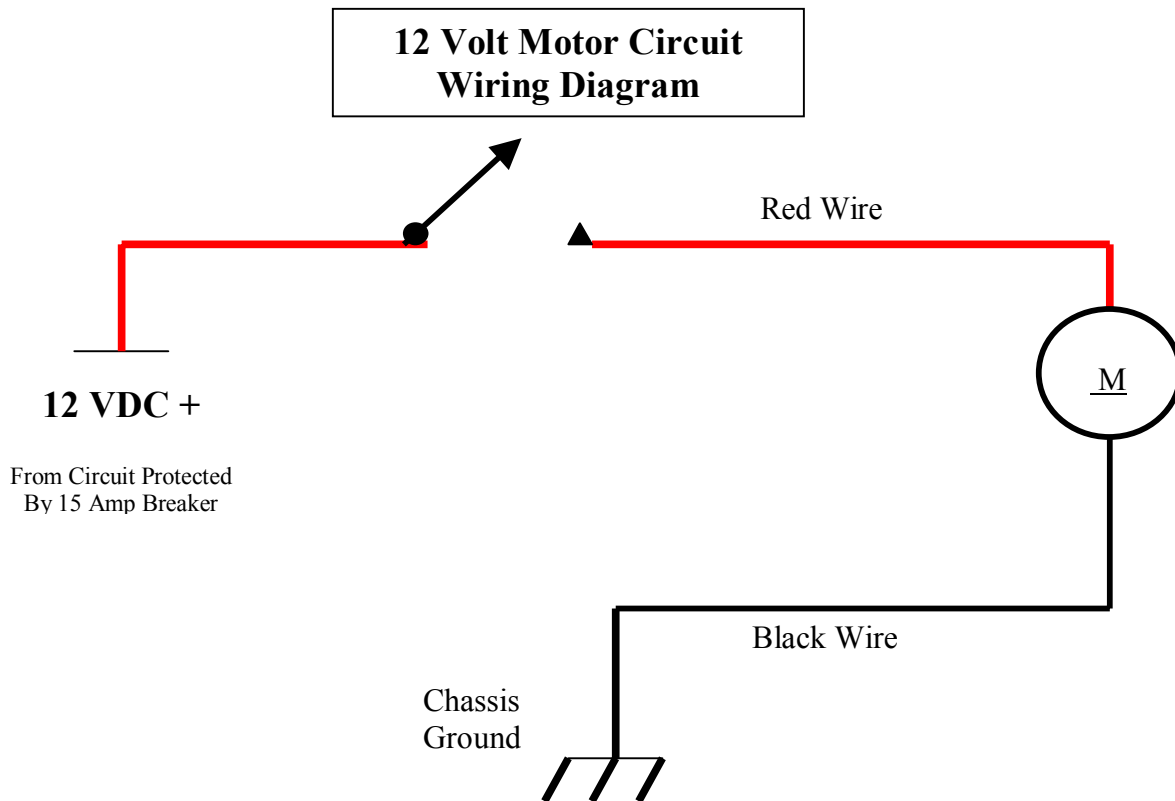
1. Rocker Arm Switch
2. Roller Guide

Installation Procedure:

- Step 1** Identify where the cord reel will be installed.
- Step 2** Measure the area 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 or below the cord reel.
- Step 3** Determine if you want the cord will exit through a wall, drop down ceiling, or roof. **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 where it will be installed. To simplify handling unspool cord from reel prior to lifting.
- Step 5** Mark the floor, wall or ceiling 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.
- Step 7** Place cord reel back where it will be installed and install mounting screws or bolts.
- Step 8** If installing a roller guide drill or cut opening. **For proper operation the cord exit must be centered with the center of the spool.** Mount the floor or wall guide.
- Step 9** Connect the pigtail from the cord reel to the junction box or power switch that will be the source for the extension cord on the cord reel. The Cord reel conductors are color coded to match the colors on the existing 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
- 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** Tell all your friends about your cord reel.