

EXTREME MAX™ ***PRODUCTS***

**Installing your Universal
Contactor / Relay and Mini Rocker
Switch Kit (5600.3060)**

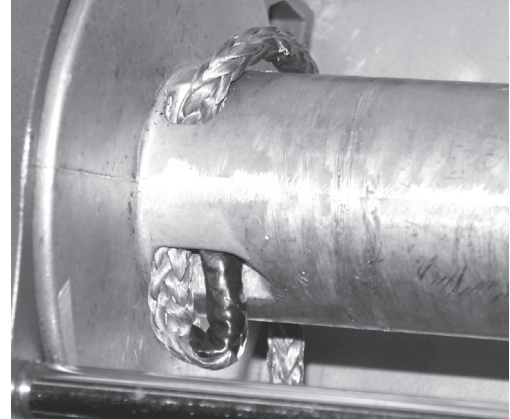
Replacement Cable Installation

Note: Cable should be installed so that it feeds from the bottom of the drum. Unwind the new cable along the ground to prevent kinking. Remove old cable, observing how it was attached to the cable drum.

Securely wrap the end of the new cable with tape to prevent fraying before installing.

Push the cable through the small hole side of the Drum - Pull out about one foot of cable - so you can make a tight loop on the end. Push the loop end back into the slotted hole and pull cable back from the small hole side.

Wind the cable by pulling a light load to keep the tension constant. Allow the cable to swivel by using a length of chain or a swivel block to separate cable hook and load.



Cable (5600.3009)
Rope (5600.3033)

Rocker Switch Operation

Press Rocker Switch toward "IN" position to spool cable in and press Rocker Switch toward "OUT" position to spool cable out.

The Rocker Switch mounts on the ATV handle bars. Usually on the left.

The Rocker Switch is labeled so you can easily identify how cable is spooling and protect the winch.



(5600.3002)

Note: Rocker Switch may look different from this picture.

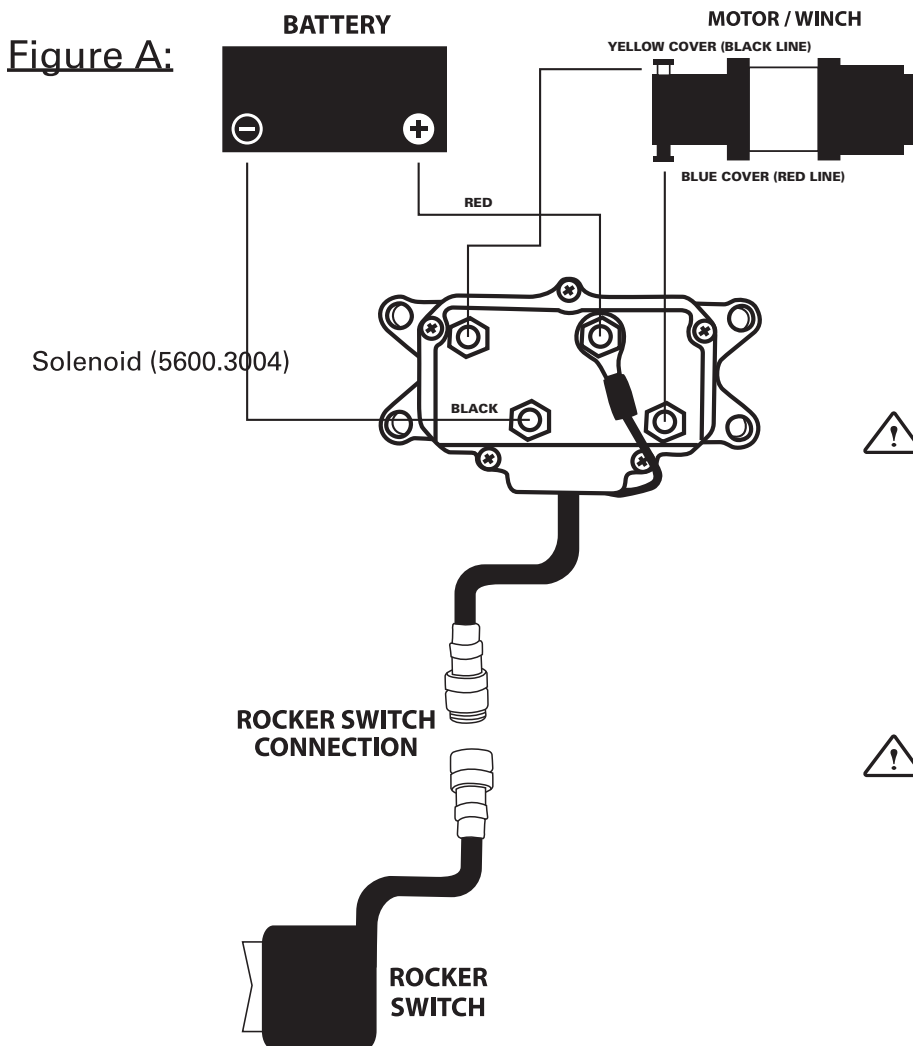
Solenoid Installation

1. Determine Solenoid location- an area that will remain protected and dry. Mount solenoid on a flat surface, if possible.
2. Use Solenoid Assembly as a guide to mark (4) 7/32" holes in the location you have chosen to mount the solenoid.
3. Use (4) 25 mm long bolts, (4) #10 flat washers, and (4) #10 locknuts to mount the solenoid. Tighten to 60 in-lb (7 Nm) torque.

Wiring Installation

Before Installation:

1. Install mounting kit and winch, following all instructions included with the mounting kit.
 2. Turn off vehicle ignition. Disconnect the negative (-) battery cable from the battery.
 3. Disengage winch clutch.
 4. Remove hood or cowling if necessary to access installation area.
 5. Locate and mark location for solenoid assembly.
 6. Make sure locations are close enough for wiring connections without altering wire lengths.
- * To install the OPTIONAL wireless remote control, please refer to the Wireless Remote Control Kit Installation Manual that comes with the wireless remote. **(Part number 5600.3018)**



⚠ CAUTION:

IF THE WINCH MOTOR RUNS IN THE WRONG DIRECTION. REVERSE THE YELLOW AND BLUE WIRES OR REVERSE THE POSITIVE AND NEGATIVE MOTOR CABLES.

⚠ CAUTION:

DO NOT CONNECT NEGATIVE BATTERY CABLE OR ENGAGE CLUTCH UNTIL INSTALLATION IS COMPLETE. WINCH COULD BEGIN SPOOLING CABLE UNEXPECTEDLY CAUSING INJURY OR DAMAGE.

Installing the Rocker Switch:

1. Assemble and position the switch mount assembly on handle bars in a convenient location.
2. Bolt Rocker Switch to mount and adjust for convenient location
3. Route wire from Rocker Switch down handle bars. Turn handle bars fully right and left to ensure sufficient clearance.
4. Carefully route wire to solenoid and screw in to matching connector.
5. Make sure that wires are not pulled taut against any surfaces that could damage them or be in contact with the exhaust system. Use cable ties to secure wires. Tie off any excess wire.



Wiring to Solenoid:

The Bear Claw™ Electronics Package comes pre-wired. Only connections to the winch motor and to the battery are necessary.



Caution: Tighten Nuts on Terminal Studs to 35-40 in-lbs (3-4 Nm) torque. Do not over-tighten.

Final Check on Connections to Winch and Battery

These connections are color coded

1. Connect the yellow coded power cable to the corresponding terminal on the winch (position cable and tighten)
2. Connect the green coded power cable to the corresponding terminal on the winch (position cable and tighten)
3. Connect red coded power cable to positive battery terminal (position cable and tighten)
4. Connect black coded power cable to – negative terminal on battery (position cable and tighten)

Make sure to recheck cable routing to make sure they do not interfere with any moving parts or are in contact with any thing that gets hot.

Use the supplied cable ties to secure power cables to maintain proper placement.

Finish Installation:

1. Confirm that the winch clutch is disengaged.
2. Connect negative (-) battery cable to vehicle battery. Use Black Battery Lead to connect winch and negative (-) vehicle battery terminal.
3. Spool out a few feet of cable by hand. Engage winch clutch.
4. Push Rocker Switch to “OUT” winch should begin to spool cable out.
5. Push Rocker Switch to “IN” Winch should begin to reel cable in.

Trouble Shooting

Condition	Possible Cause	Correction
Motor runs extremely hot	Prolonged Operation	Cooling-off periods are essential to prevent over-heating.
Motor runs with insufficient power or low line speed	Low Battery Bad Connection Insufficient Charging System	Test for faulty battery Check battery cable for corrosion, clean and grease. Replace with larger capacity charging system.
Motor runs but drum does not turn	Clutch not engaged	If clutch is engaged while symptoms exist, it will be necessary to disassemble winch to determine the cause and appropriate repairs.
Motor will not operate	Defective or stuck solenoid Defective Rocker Switch Defective Motor Loose Connections	Jar solenoid assembly to free contacts. Check solenoid by applying 12 volts to coil terminal. (It should make an audible click when energized) Replace Rocker Switch If solenoids operate, check for voltage at armature post; replace motor. Check all electrical leads from the battery to the motor.
Water Damage	Submerged in water or high pressure car wash	Drain and dry thoroughly. Run motor without a load to drain and dry windings.
Winch runs in opposite direction of transmitter buttons	Motor leads crossed	Reverse electrical connections to motor.