



ATV Winch Wireless Switch Kit



INSTALLATION AND OPERATIONS MANUAL

SAFETY PRECAUTIONS

As the operator of this product the responsibility for safe operation ultimately lies with you. It is imperative that you read and understand all of the safety precautions and operating instructions prior to installing and operating your winch upgrade kit. Failure to understand the proper operation of this product can result in serious injury and/or property damage.

WARNING

Before you start to install this switch kit, disconnect the vehicle ground and positive leads from the battery.

MINIMUM ELECTRICAL REQUIREMENTS

Be sure to select the appropriate battery or power supply to handle this switch. If the winch is under heavy use an auxiliary battery and heavy-duty alternator are suggested.

WINCH WIRING INSTALLATION

Step (1) **CAUTION**

Contactor Location: The contactor is mainly a safety component for your winch system. It separates your winch from it's power source when not in use. It is recommended that the contactor be mounted near the winch. Make sure the location you chose allows sufficient clearance from all metal components such as frame tubes.

DANGER!

DO NOT ATTEMPT TO INSTALL WIRING WHEN THE BATTERY IS CONNECTED! Automotive and powersports batteries contain flammable and explosive gases. Wear eye protection during installation and remove all metal jewelry. Do not lean over battery while making connections.

Step (2)

Switch Mounting: Switch is typically mounted on the left handlebar. Use a piece of black electrical tape to prevent rotation on the bar. Do not install over any wires or hoses. Once mounted route the wiring harness back to where the contactor will be mounted, attaching the harness to hard points on the vehicle with cable ties. Splice the end of the red wire to a key controlled electrical wire on your ATV. A test light can be used to locate an appropriate wire. The wire should only have power when the key is on.

Note: Your installation requirements will vary depending upon your vehicle and winch. Note that if the wires are not long enough to reach the battery, switch mounting point and winch you may need to increase the length and/or wire gauge of the wiring harness.

WARNING!

Ensure that the wiring harness does not interfere or come in contact with any hot or moving engine, suspension, steering, braking or exhaust parts.



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Step (3)

The two short red and black wires are attached to the winch. Attach the red to positive and black to negative.

Step (4)

Contactors can now be secured to your chosen mounting location. When all wires have been properly routed and secured with cable ties and electrical tape take a moment to ensure that your system is properly installed and free from restrictions. You may now attach the long red and black to the battery positive and negative.



Figure 4 Winch Wiring Diagram

WARNING!

Be sure that switch-mounting position does not impede the operation of the vehicle. Before driving the vehicle, test the vehicle control system range or motion to ensure that switch wiring does not interfere with vehicle operation.

WARNING!

Before testing winch operation, be sure to reel off approximately two feet of wire rope.

If your vehicle is equipped with side pole terminals, it may be necessary to obtain auxiliary side terminal bolts from your local parts store to make these connections.

ROCKER SWITCH OPERATION

Activate the winch by depressing the switch in either direction. The rocker switch automatically returns to the OFF position when released.

Note: In the OFF position, an electrical shunt provides dynamic braking action, which will eliminate coasting. In the OFF position, the shunt reduces the action of a load back driving the winch. However, a load can cause the winch to creep.

ROCKER SWITCH OPERATION

Use the "IN" and "OUT" buttons to activate the winch. If the IN/OUT works backwards, switch the positive and negative wires attached to the winch

