

# INSTALLATION INSTRUCTIONS

**Power Cables: 20' 50amp: p/n 33541**  
**20' 175amp: p/n 32963**  
**24' 175amp: p/n 32966**

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

**CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.**

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

 **WARNING** signals a hazard that could cause serious injury or death, if you do not follow recommendations.

 **CAUTION** signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **Note**: to emphasize general information worthy of special attention.

## WARNING

### INJURY HAZARD

**Failure to observe these instructions could lead to severe injury or death.**

- q **Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- q **Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- q **Always** use extreme caution when cutting and trimming during fitting.
- q **Always** remove jewelry and wear eye protection.
- q **Never** lean over battery while making connections.
- q **Never route electrical cables:**
  - o Across any sharp edges.
  - o Through or near moving parts.
  - o Near parts that become hot.
- q **Always** insulate and protect all exposed wiring and electrical terminals.
- q **Always** install terminal boots as directed in installation instructions.
- q **Always** use appropriate and adequate care in lifting components into place.
- q **Always** insure components will remain secure during installation and operation.
- q **Always** tighten all nuts and bolts securely, per the installation instructions.
- q **Always** stay clear of moving parts and joints. Always keep others away when operating or adjusting plow.
- q **Always** replace all worn or damaged parts before operating.
- q **Never** operate this WARN product with damaged or missing parts.

## Caution

### Moving Parts Entanglement Hazard

**Failure to observe these instructions could lead to minor or moderate injury.**

- q **Always** take time to fully read and understand the installation and Operations Guide included with this product.
  - q **Never** operate this product if you are under 16 years of age.
  - q **Never** operate this product when under the influence of drugs, alcohol or medications.
- Read installation and operating instructions thoroughly.**

<b>Notice</b>	
<b>Equipment Damage</b>	
q	<p><b>Always</b> refer to the Installation and Specification Guide, supplied in the winch kit, for all wiring schematics and specific details on how to wire this WARN product to your vehicle.</p> <p style="text-align: center;"><b>Read installation and operating instructions thoroughly.</b></p>

## PARTS LIST

<u>Part Number</u>	<u>33541</u>	<u>32963</u>	<u>32966</u>	<u>Description</u>
25972	1			Quick Disconnect Cable, 20 ft
25974		1		Quick Disconnect Cable, 20 ft
30967			1	Quick Disconnect Cable, 24 ft
62131	1	1	1	Power Interrupt Kit
25933		1	1	Plug, Quick Disconnect
36428	11	11	13	Cable Tie

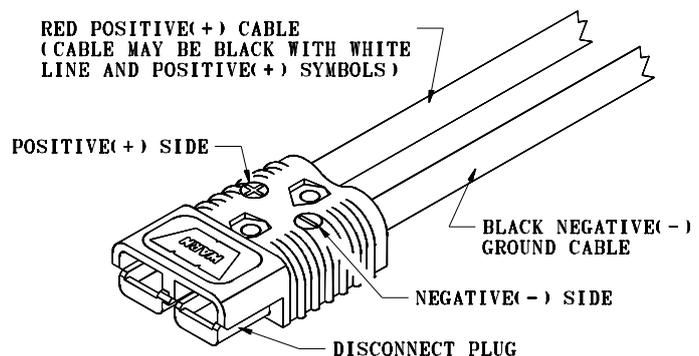
## TOOLS REQUIRED

7/16" Wrench (2)  
 1/4" Drill bit and Drill motor  
 Correct wrenches for connection to battery terminal  
 Safety Glasses

## TORQUE SPECIFICATIONS

1/4    8 lb. ft..(10.8 N-m)

**Note:** Before installing the cables, inspect the disconnect plug. Make sure the (+) positive cable exits the side of the plug marked with a (+) symbol, and the (-) negative ground cable exits the side of the plug marked with a (-) symbol. The (+) positive cable can be identified by the red insulation. Some (+) positive cables may have black insulation marked with a white line and (+) positive symbols. The ground cable is black.



## Installation

1. Find a convenient location to install the disconnect plug at the rear of the vehicle. Make sure it can be reached by any planned accessories. As an example, Warn's Multi-Mount System places the winch power connection on the left hand side of the receiver as viewed when facing the receiver.

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q	<b>Always</b> wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
q	<b>Always</b> use extreme caution when cutting and trimming during fitting.
q	<b>Always</b> remove jewelry and wear eye protection.
q	<b>Never</b> lean over battery while making connections.
q	<b>Never route electrical cables:</b> <ul style="list-style-type: none"><li>o Across any sharp edges.</li><li>o Through or near moving parts.</li><li>o Near parts that become hot.</li></ul>
q	<b>Always</b> insure components will remain secure during installation and operation.
q	<b>Always</b> tighten all nuts and bolts securely, per the installation instructions.
<b>Read installation and operating instructions thoroughly.</b>	

2. Route the cables along one of the vehicle frame members. The cables will be connected to the vehicle battery so keep in mind on which side of the vehicle the battery is located.

**Note:** Avoid routing or securing the cables next to any moving parts, such as suspension components (springs, shocks, anti-swaybars, etc.) or driveline components (axles or driveshafts). Avoid routing the cables next to any components that generate heat (exhaust manifolds, catalytic converters or mufflers). Avoid routing the cables next to any sharp edges that may cut the cable insulation (frame member edges or holes).

3. Route the cable up through the engine compartment to the battery. Take care not to interfere with the cooling fan, fan belt, or other accessory drive belts. Avoid contact with any moving parts or high heat generating components.

**Note:** Before attaching the cables to the battery, be sure there are no accessories attached to the opposite end of the cable.

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<b>INJURY HAZARD</b>	
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q	<b>Never</b> lean over battery while making connections.
q	<b>Always</b> insulate and protect all exposed wiring and electrical terminals.
q	<b>Always</b> install terminal boots as directed in installation instructions.
q	<b>Always</b> insure components will remain secure during installation and operation.
q	<b>Always</b> tighten all nuts and bolts securely, per the installation instructions.
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q	<b>Never</b> operate this WARN product with damaged or missing parts.

4. Attach the (+) positive cable to the appropriate terminal of the Power Interrupt Solenoid. **See the Power Interrupt Instructions for the proper connection.**
5. Attach the black, (-) negative cable directly to the vehicle battery (-) negative terminal. This will insure a good ground for the electrical circuit.
6. Secure the cables along the vehicle frame using the cable ties provided. The cables should be installed so that no wearing, chafing or abrasion of the insulation can occur. Avoid contact with sharp edges or burrs.
7. The disconnect plug can be attached to the vehicle with the appropriate size hardware inserted through the molded-in holes. Use 1/4" fasteners for the 175amp plug and #6 fasteners for the 50amp plug, (fasteners are not supplied). **Do not over tighten. Damage to the plug may result.**