# 2500 Lb. Winch Mounting Instructions

**For 4200/4400 NT/ST, 4210/4410 ST And 4220/4420 ST  Manual No. 701-186M**

## Before You Start

When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

**IMPORTANT:** Before you begin, read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

**NOTE:** The Brush Guard referred to in this manual is optional on the ST 10 and 20 Series Treker. However, this brush guard will fit the ST 00 Series Treker and can be purchased through our parts department by a Land Pride vehicle dealer.

Your Land Pride Winch Kit is designed for your Land Pride Treker with optional Heavy Duty Brush Guard. It will also fit 4200/4400 NT/ST Trekers with special winch mounting plates. Please read these installation instructions and the vehicle Operator's Manual thoroughly before beginning. Especially read information relating to safety concerns. Also included in the Operator's Manual is important information on operation, adjustment, troubleshooting, and maintenance for this attachment (some manual sections do not apply to all accessories).

A separate Parts Manual for replacement parts can be purchased from your dealer or available free of charge at www.landpride.com. Have model and serial numbers handy when placing an order.

**Manual Part Numbers:**

- Operator's Manual (4220/4420) . . . . . 700-504M
- Operator's Manual (4210/4410) . . . . . 700-108M
- Operator's Manual (4200/4400 NT/ST) . 700-108M
- Parts Manual (4220/4420) . . . . . 700-504P
- Parts Manual (4210/4410) . . . . . 700-109P
- Parts Manual (4200/4400 NT/ST) . . . . . 700-108P

## General Information

These assembly instructions apply to the 2500 Lb. Winch Accessory listed below:

| | |
|---|---|
| **701-185A** | **WINCH KIT FOR HD BRUSH GUARD** |
| **701-064A** | **WINCH W/MOUNTING KIT 4200/4400 ST** |
| **701-065A** | **WINCH W/MOUNTING KIT 4200/4400 NT** |

## Tools required:

- Safety glasses
- Work gloves
- Pliers, crimp pliers and wire strippers
- Electric drill & extension cord if needed
- 1/4", 5/32" & 7/8" twist drills or 7/8" hole saw
- Torque wrench complete with sockets below
- 1/2", 3/8", 9/16", M7, M10, M13 & M17 sockets
- 1/2", 3/8", 9/16", M7, M10, M13 & M17 box end and/or open end wrenches

## Assembly Instructions

A detailed listing of parts for each accessory kit is provided on page 11. Use the list as a checklist to inventory parts received. Please contact your local Land Pride dealer for any missing hardware.

### Initial Preparations

Before servicing the vehicle the following procedure must be met to secure the vehicle:

1. Park vehicle on a level surface. **Don't work under or around a vehicle parked on an incline**.
2. Make the following gear and park brake selections:
   **a. 4200/4400 NT/ST Trekers:**
   - Set shift selector in forward gear.
   - Set park brake.

   b. **4210ST, 4410ST, 4220ST & 4420ST Trekers**.
   - Set shift selector in Park.
3. Turn ignition switch off and remove switch key.
4. Chock front and back of a wheel to prevent the vehicle from rolling.

**IMPORTANT:**
Read and understand **Basic Winch Operation** and **Winch Safe Operating Procedures** on pages 2 and 3 before mounting the winch.

Also, read and understand the **2500 lb. Winch Instruction and Operation Manua**l provided with the winch before mounting.

### DANGER

*Follow all safety requirements in this manual and the 2500 lb. Winch Instruction and Operation Manual. Your Safety depends upon knowing how to mount and operate the winch safely.*

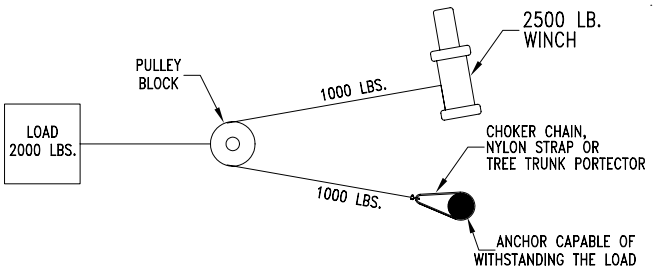
## Basic Winch Operation

Please read and understand this entire instruction booklet before use. Your safety depends on your caution. Use good judgment when operating the Winch.

## Winch Safe Operating Procedures

The safe operation of any machinery is a big concern to all consumers. Your winch has been designed with built-in safety features. However, no one should operate this winch before carefully reading this Manual and all instructions noted on the safety decals. The following is a list of safety guidelines to follow while operating the winch.

- ▲ Be familiar with all functions of this vehicle.
- ▲ After reading this instruction manual and installing your winch, operate the winch under light load to become familiar with its operation.
- ▲ Do not attempt long pulls of heavy loads. Be certain the anchor will withstand the load.
- ▲ Do not run the winch without the engine running. The draw on the battery is significant.
- ▲ This winch is a very powerful machine. Take your time; sloppy rigging causes accidents. If used incorrectly, personal injury or damage to the winch or vehicle can result.
- ▲ Keep in mind that maximum pulling capacity decreases as more layers of wire rope are added. Working load of 2500 pounds is based on one layer of wire rope.
- ▲ Never hook the wire rope to itself, instead use a nylon strap or choker chain to secure the hook.
- ▲ Land Pride recommends using a pulley block for loads over 1250 pounds. This reduces the actual load by half.




- ▲ Always spool out as much wire rope as possible when preparing rigging. Pick an anchor as far away as practical. This will provide the winch with its greatest pulling power.
- ▲ Never use the winch with wire rope strung all the way out. A minimum of five (5) wraps of wire rope must always remain on the spool.
- ▲ Never allow shock loads to be applied to the winch or wire rope.
- ▲ Use caution when using your winch. Do not stand close to the wire rope while pulling. In the event of a wire rope breakage, it is best to be out of harms way.
- ▲ Lay a heavy blanket or jacket over the wire rope during a pull. This will act as a damper if the wire rope does break.
- ▲ Never use the winch to lift or move people.
- ▲ Never use the winch for overhead hoisting.
- ▲ Avoid pulls from severe angles, this will cause the wire rope to wrap up on one side of the spool and may cause damage to the winch and/or rope.
- ▲ Always operate the winch with an unobstructed view.
- ▲ Inspect all equipment before beginning a pull. Hooks, pulley blocks, straps and other devices will wear and need to be replaced occasionally.
- ▲ Inspect the wire rope frequently. If a fray is found in the wire replace it immediately.
- ▲ Use only the factory approved switches and wiring procedures.
- ▲ Correct installation of your winch is required for proper operation. Follow detailed mounting procedures outlined with this mounting kit.
- ▲ Winch must be mounted with the wire rope to the bottom of the spool. Improper mounting will void your warranty.
- ▲ Keep the wire rope tightly wound to prevent the rope from edging in between the next layer of rope.
- ▲ Keep the duration of the pulls as short as possible.
- ▲ Do not allow the wire rope to kink. This is a safety issue. Replace the wire rope immediately if kinks develop. Replace with manufacturer's replacement parts only.
- ▲ **Periodically check mounting bolts and wiring for fit and wear. Replace if necessary**.

## Overloading & Overheating

**IMPORTANT:** This Winch is designed for intermittent duty and is NOT designed for hoisting or industrial use. If used for hoisting the Warranty will be void.

This winch has an intermittent duty rating and should not be operated continuously for long periods or at slow RPM speeds. Stop winch operation immediately if it is operating slowly or if it stalls. Also stop winch operation frequently and test for heat build up by placing your hand on the motor. Allow motor to cool before returning to operation if its temperature is uncomfortable to the touch.

Do not turn vehicle off while waiting on the winch to cool. Instead, keep vehicle running at 2500 to 2800 rpm so that the battery can recharge. Also the vehicle should run for more than 30 minutes after having used the winch to make certain the battery has been sufficiently recharged.

## Wire Rope Stretch Setting

New wire rope must be un-spooled until only 5 wraps remain on the drum and re-spooled onto the drum with a minimum load of 500 lbs. attached to the cable hook. This will stretch the wire rope weaving tighter and create a better drum wrap. Wire that has not been properly stretched will draw into the inner wrappings causing the rope to bind and become damaged. Damaged wire rope is not covered by the warranty.

## Clutch Operation

### WARNING

*Never pull out or wind wire rope in without using the hook strap. Never put your fingers in the cable hook or wrap the hook strap around your fingers. Grab the hook strap in such a way that it can pull free from your hand. Personal injury may result if this warning is not followed.*

### Spool Knob

The winch is supplied with a spool knob on one end for engaging the clutch and setting the clutch in freespool.

### WARNING

*Never turn knob to freespool when a load is present.*

**IMPORTANT:** It is important that the knob is fully engaged or fully disengaged before operating the unit. Otherwise the unit can be damaged.

***Refer to Figure 1:*** Engage motor by turning knob fully counterclockwise to “Engage”. Wire rope can be powered in or out. Always spool rope in at the bottom of the wire rope drum.

***Refer to Figure 2:*** Disengage motor by turning knob fully clockwise to “Freespool”. Wire rope can then be spooled out freely with a hook strap.

### Spooling Out

Freespooling is generally the quickest and easiest way to spool wire rope out.

- Set spool knob to “Engage” and power out enough wire rope to release any rope tension.
- Set spool knob to “Freespool”, connect hook strap (See Figure 3) to the hook and pull rope out in such a way that the strap can pull free from your hand.

### Spooling In Under Load

- Set spool knob to “Engage” and power wire rope evenly and tightly onto the drum. This prevents the outer wire wraps from drawing into the inner wraps causing binding and damage to the wire rope.
- Avoid shock loads while taking up wire rope slack by using the control switch intermittently. Shock loads can exceed winch and rope ratings.
- Line up pulls as straight ahead as possible and stop winching if wire rope comes close to the winch cross rods or mount. Correct uneven rope stacking by spooling out that section of rope and repositioning it to the opposite end of the drum to free up space.
- Release switch when hook is a minimum of 4 feet from the fairlead opening. Follow instructions for “Spooling in Remainder for Storage” on the right side of this page.

### Spooling In Under No Load

***Refer to Figure 3:***

**Assisted:** Set spool knob to “Engage”. Have your assistant hold the hook with the hook strap to keep the rope tight while winding it in. Release the switch when the hook is a minimum of 4 feet from the fairlead opening. Follow “Spooling in Remainder for Storage” below.

**Unassisted:** Set spool knob to “Engage”. Arrange wire rope to be spooled in without kinking or tangling. Spool enough wire rope in to complete one full layer on the drum. Tighten and straighten the layer. Repeat process until the hook is a minimum of 4 feet from the fairlead opening. Follow “Spooling in Remainder for Storage” below.

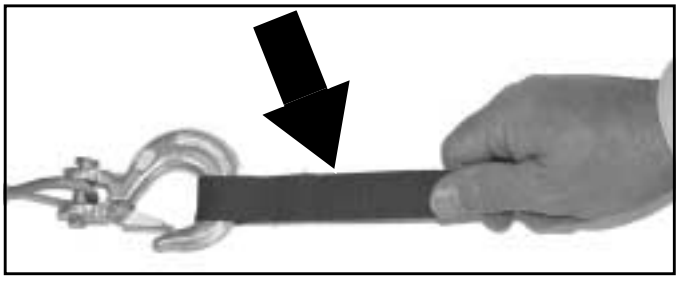
### Spooling in Remainder for Storage

***Refer to Figure 3:***

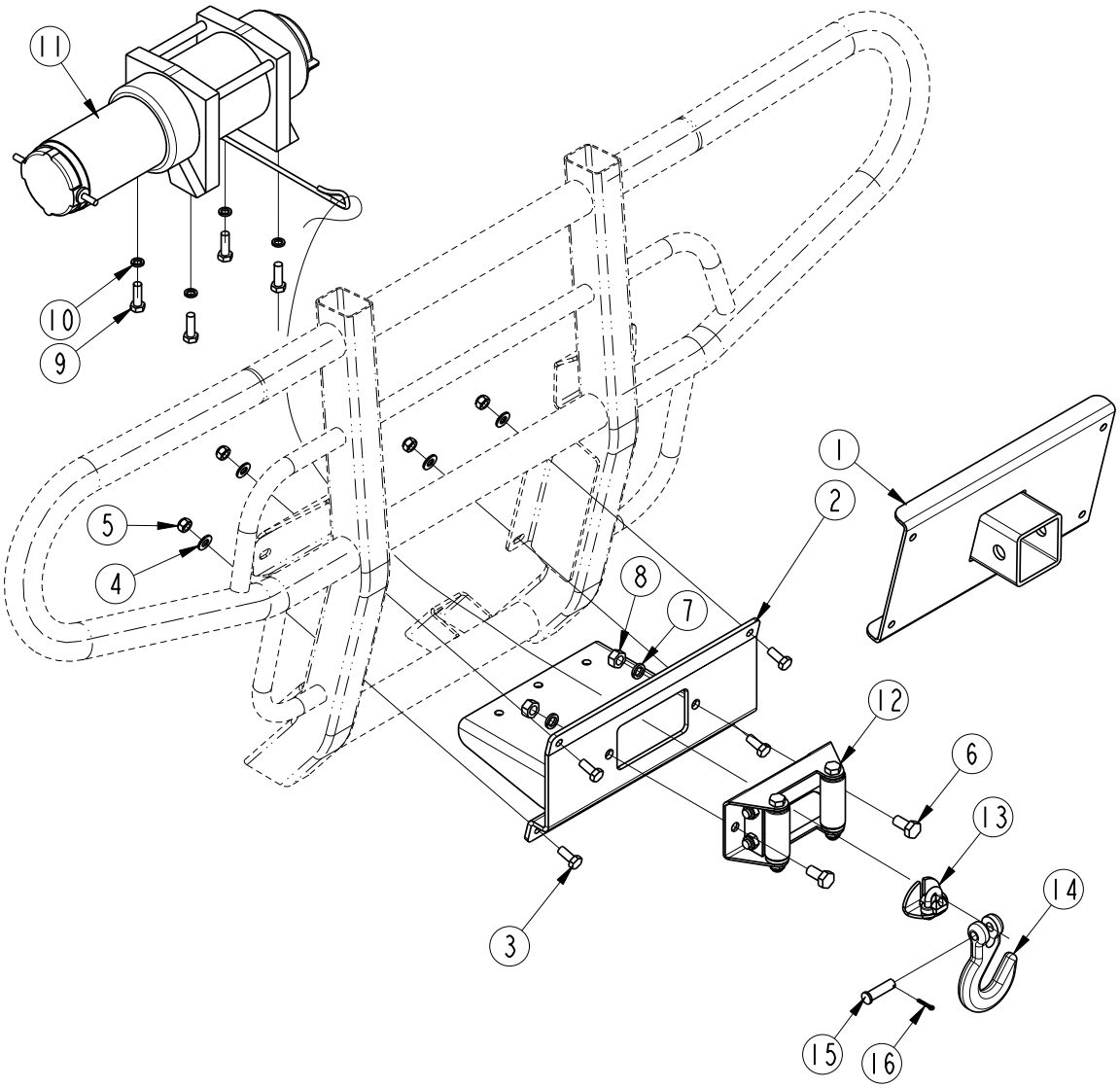
Keep hands clear of wire rope, hook and fairlead opening. Using the hook strap, carefully power in the remaining wire rope, jogging the control switch to take up the last of the slack. Secure hook to a suitable anchor point near the winch. Be careful not to over tighten or damage may occur to the wire rope and/or anchor point.

**Spool Knob Shown in Freespool**
**Figure 1**

**Spool Knob Shown Engaged**
**Figure 2**



**Proper Use of Hook Strap**
**Figure 3**




**2500 Lb. Winch Assembly**
**Figure 4**

## 2500 Lb. Winch Assembly

The winch assembly instructions below are for mounting this winch to Trekers with a Heavy Duty Brush Guard.

The winch assembly instructions for 4200 & 4400 Series Trekers are included with the Winch Mounting Kit. See manual 701-159M for NT Trekers and 701-158M for ST Trekers.

***Refer to Figure 4:***

1. Remove receiver plate (#1). Save mounting hardware (Items #3, 4 & 5) for installing winch mounting plate.
2. Install winch mounting plate (#2) with existing hard ware (#3, 4 & 5). Torque 5/16" nylock nuts (#5) to 17 ft- lbs.
3. Assemble roller fairlead (#12) to winch plate (#2) with two M10 x 1.5 x 20 GR8 hex cap screws (#6), spring lock washers (#7) and M10 hex nuts (#8). Tighten nuts to 39 ft. lbs.
4. Cut plastic tie and remove cable hook (#14) from winch (#11). Keep for reassembly.
5. Attach 2500 lb. winch (#11) to mounting plate (#2) with four M8 x 1.5 x20 G8.8 hex cap screws (#9) and lock washers (#10). Torque cap screws to 19 ft. lbs.
6. Set winch clutch to “Freespool” and pull wire rope out approximately 12". Thread wire rope through mounting plate (#2) and roller fairlead (#12) openings.
7. Orient cable stop (#13) as shown and thread wire rope through u-bolt in cable stop.
8. Attach cable hook (#14) to wire rope with pin (#15) and cotter pin (#14). Secure cotter pin by bending one leg 45 degrees or more.
9. Position cable stop (#13) close to cable hook and tighten u-bolt nuts.

## WARNING

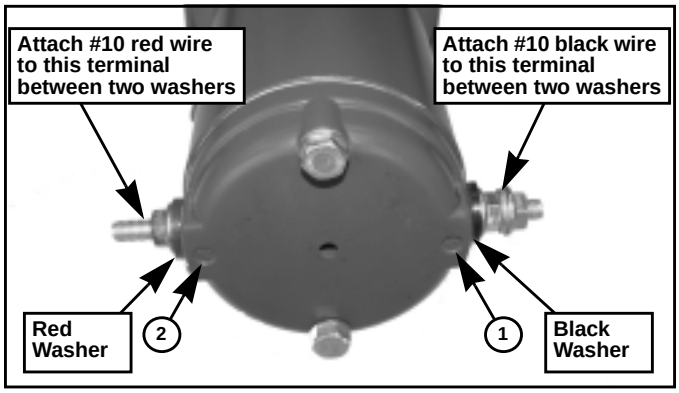
*Incorrect battery cable connections can damage vehicle's electrical system and cause battery cables to spark. Sparks around a battery can result in a battery gas explosion and personal injury.*

- *Always **disconnect** negative (black) battery cable before disconnecting positive (red) cable.*
- *Always **reconnect** positive (red) battery cable to the positive **(+)** post before reconnecting negative (black) cable to the negative **(-)** post.*

## Relay Switch Installation

***Refer to Figure 5:***

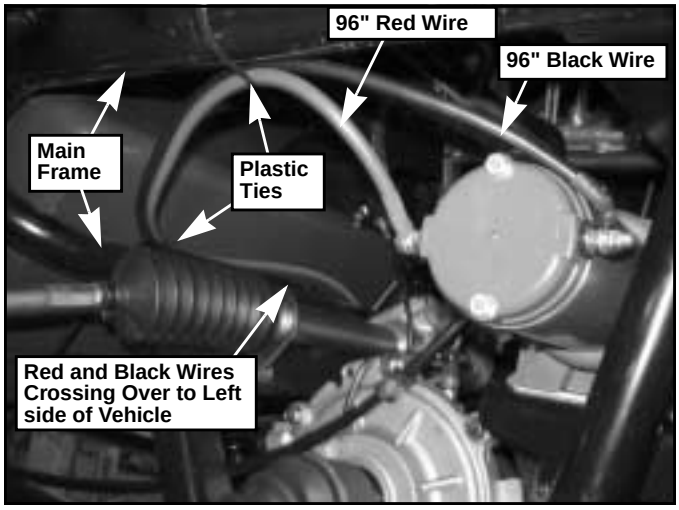
1. Attach 8-foot long red #10 wire to #2 red terminal at winch motor.
2. Attach 8-foot long black #10 wire to #1 black terminal at winch motor.




**Winch Terminal Location**
**Figure 5**

***Refer to Figure 6:***

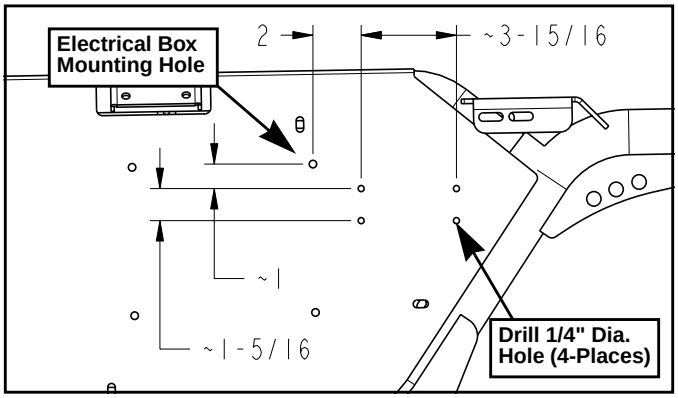
3. Route wiring along the Treker's main frame, cross over to the left side and continue routing wiring to the relay switch location.




**Winch Wiring Location**
**Figure 6**

***Refer to Figure 7:***

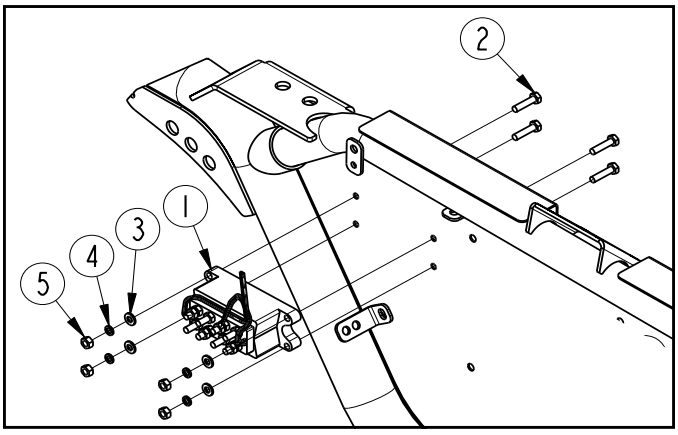
4. Choose a mounting location for the relay switch. This should be close to the electrical box on the vehicle's right side panel.
   One possible location is over 2" and down 1" from the mounting hole for the electrical box as shown. Consider the following when making this choice.
   a. Locate the relay in an area where the connections can be accessed during installation.
   b. Make certain the electrical wires running from the winch and battery can reach the relay terminals.
   c. Make certain the electrical wires are well clear of any moving vehicle parts.
   d. Also make certain they do not make contact with any hot components such as the exhaust or cylinder head.
5. Using the relay as a template, locate and drill four 1/4" dia. holes. Be careful not to drill through the electrical box and existing wiring.




**Relay Mounting Location**
**Figure 7**

***Refer to Figure 8:***

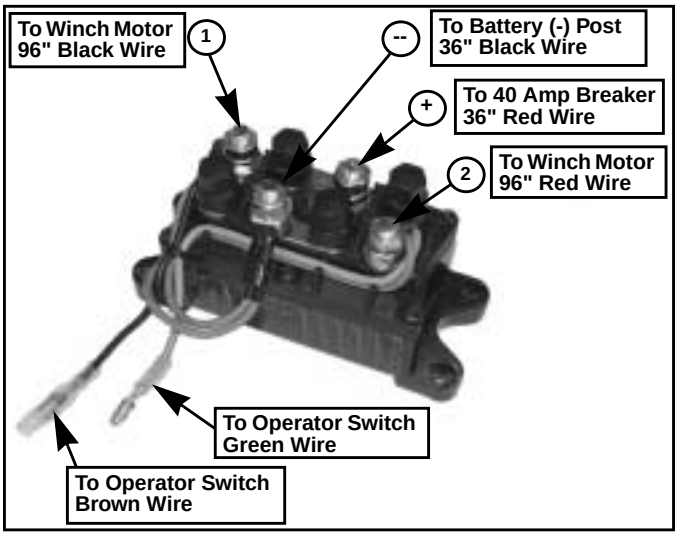
6. Attach relay switch (#1) with four M6 x 1 hex head cap screws (#2), flat washers (#3), lock washers (#4) and hex nuts (#5).
7. Tighten nuts to 8 ft-lbs. of torque.




**Relay Assembly**
**Figure 8**

***Refer to Figure 9:***

8. Attach 96" black wire leading from the winch motor to relay terminal marked with the #1.
9. Attach 96" red wire leading from the winch to relay terminal marked with the #2.
10. Secure motor wiring to the main frame with plastic ties.



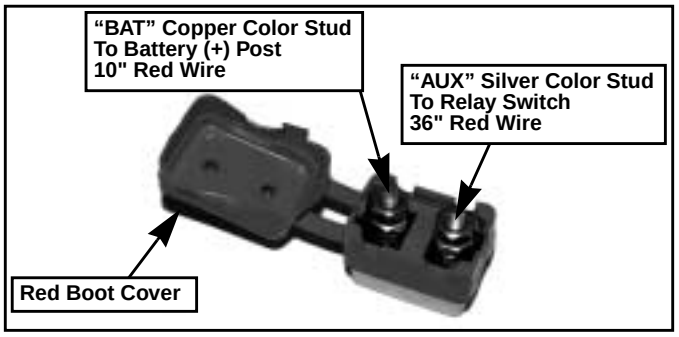

**Relay Switch Terminals**
**Figure 9**

11. Attach 36" red wire to relay terminal marked with the positive sign (+).
12. Attach 36" black wire to the relay terminal marked with the negative sign (-).

## 40 AMP Circuit Breaker Installation

***Refer to Figure 10:***

1. Verify that the copper terminal stud on the circuit breaker is labeled “BAT” and the silver terminal stud is labeled “AUX”.
2. Install the red boot cover (#1) over circuit breaker terminals.
3. Attach small ring terminal end of 10" red wire to the connector stud on the circuit breaker labeled “BAT”.
4. Attach 36" red wire at the relay switch to the connector stud on the circuit breaker labeled “AUX”.




**40 AMP Circuit Breaker**
**Figure 10**

5. Close boot cover.
6. Choose a location for the 40-amp circuit breaker. Consider the following points when making this choice.
   a. The 10" red #10 wire must reach from the positive battery post to the “BAT” connection stud on the circuit breaker.
   b. The circuit breaker should be located in a protected area that will not interfere with the normal operation of the vehicle.

**CAUTION**

*Do not connect the short 10" red wire to the battery at this time. The connection to the positive battery post will be the last step of installation.*

7. Secure the 40-amp circuit breaker in the location with plastic ties. **Do not connect to the positive battery post at this time.**

## Operator Switch Installation

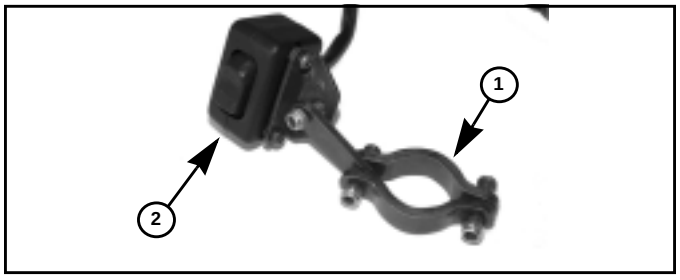
There are four different switch arrangements available. You will need to select one of the following:

1. Rocker switch mounted to the seat frame.
2. Rocker switch mounted in the dash.
3. Tether switch mounted to a receptacle.
4. Rocker and Tether switch mounted.

### Rocker Switch Mounted to the Seat Frame

***Refer to Figure 11:***

1. Attach pipe clamp fixture (#1) to rocker switch (#2) as shown. Do not tighten hardware.
2. Locate a suitable location around seat and attach rocker switch with clamping hardware.

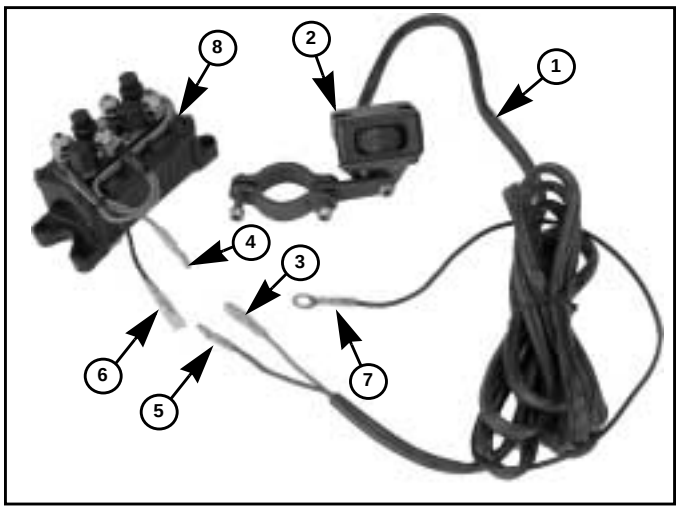



**Rocker Switch Mounting Clamp**
**Figure 11**

***Refer to Figure 12:***

3. Route wiring harness (#1) from the switch (#2) through the bodywork to the relay switch (#8).
   a. Make sure there is enough slack in the wire to not interfere with any moving parts of the vehicle functions but not so much that the wires could become entangled.
   b. Do not allow the wires to come in contact with any hot parts of the vehicle such as the exhaust or cylinder head.

4. Connect green wire (#3) to green wire (#4).
5. Connect brown wire (#5) to black wire (#6).
6. With a 12-volt test light or meter, locate a wire that is hot only when the ignition switch is “on”. This should be a purple wire leading from the ignition switch. One can be found in the wiring loom nearby the relay switch. See Figure 20 on page 9.
7. Remove ring terminal from black wire (#7) and with a blue scotch lock tap connector, connect wire (#7) to the purple wire located in Step 6 above.
8. Bundle excess wire and secure all switch wiring with plastic ties.

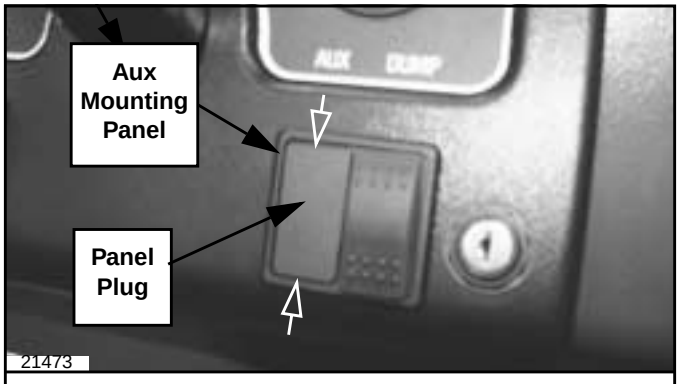



**Clamp-On Rocker Switch Wiring Assembly**
**Figure 12**

## Rocker Switch Mounted in the Dash

***Refer to Figure 13:***

1. Remove “AUX” panel plug in the instrument panel by prying with a straight bladed screwdriver under the panel plug.

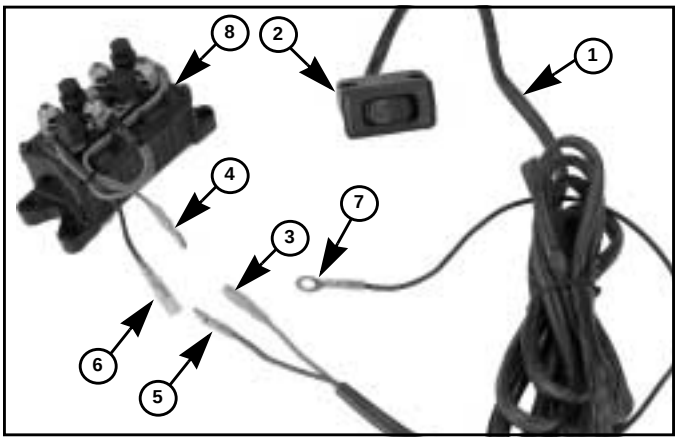



**NOTE:** Insert a straight bladed screwdriver under panel plug as indicated by white arrows to pry panel plug out.

**Auxiliary Panel Plug Removal**
**Figure 13**

***Refer to Figure 14:***

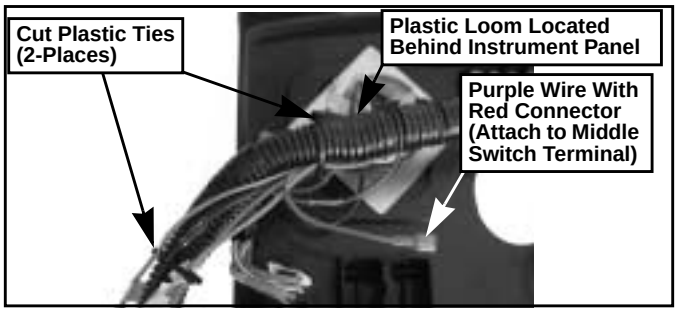
2. Route ends (#3 & #5) of wiring harness (#1) through the “AUX” panel opening to relay switch (#8).
3. Connect wiring harness to relay switch as follows:
   a. Connect green wire (#3) to green wire (#4).
   b. Connect brown wire (#5) to black wire (#6).
   c. The black wire (#7) with ring terminal end will not be used. Cut off all excess extending from the wiring harness.
4. Check and secure wiring harness routing:
   a. Make sure there is enough slack for the steering and all other vehicle functions to operate but not so much that the wires could become entangled.
   b. Do not allow the wires to come in contact with any hot parts of the vehicle such as the exhaust or cylinder head.
   c. Secure wire harness to the Treker frame with plastic ties.
5. Cut wire harness approximately 6" outside the “AUX” panel opening to remove excess wire and existing switch box (#2).
6. Strip newly cut green and brown wires back about 3/8 of an inch and crimp new red connectors to the wires.




**Dash Mounted Rocker Switch Wiring Assembly**
**Figure 14**

***Refer to Figure 15:***

7. Locate the purple wire with red connector behind the instrument panel. It will be attached to the plastic loom with two plastic ties. Cut ties and pull wire out through “AUX” panel opening.




**Plastic Loom Located Behind Instrument Panel**
**Figure 15**

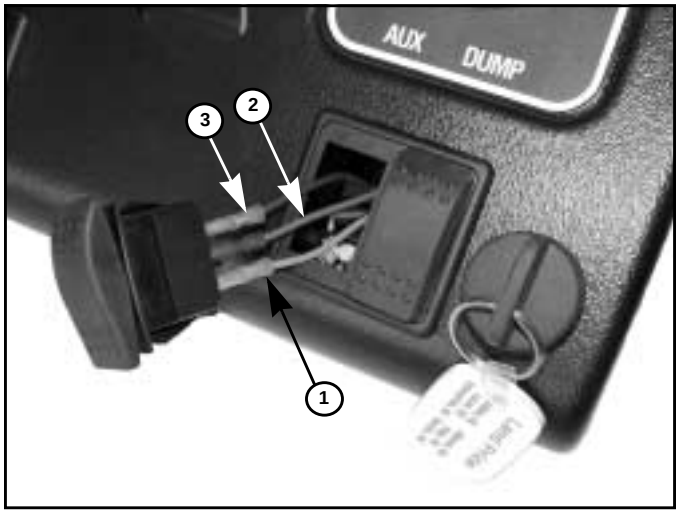
***Refer to Figure 16:***

8. Rotate rocker switch in the up position as shown and make temporary connections to the rocker switch:
   a. Connect green wire (#1) to the bottom terminal.
   b. Connect purple wire (#2) to the middle terminal.
   c. Connect brown wire (#3) to the top terminal.
9. **DO NOT** install rocker switch in the “AUX” panel opening. It will be installed later after testing the control circuit outlined on page 10.

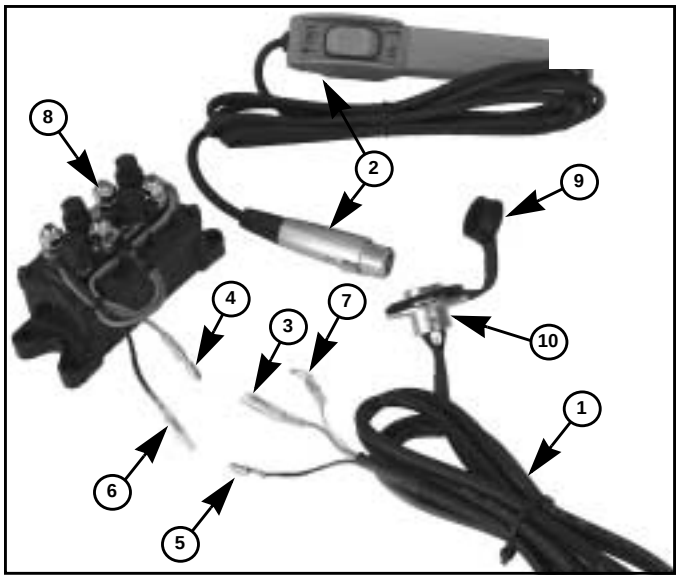
## Tether Switch Mounted to a Receptacle

***Refer to Figure 17 & Figure 18:***

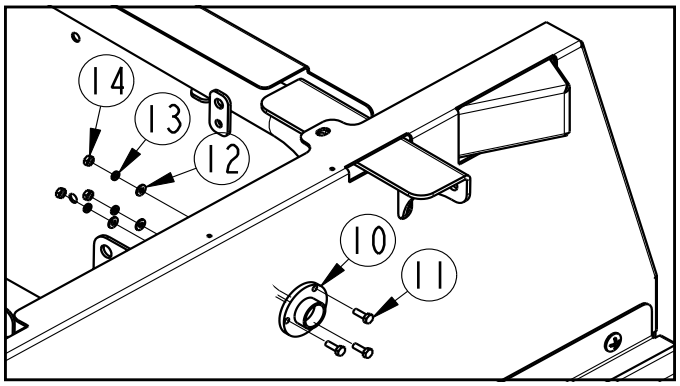
1. Locate and mark a suitable place to attach pin receptacle (#10) to the Treker. One possible location is in the kick panel under the seat. Make certain the wire harness (#1) will reach relay switch (#8).
2. Drill 7/8" dia. hole at the marked location.
3. Thread rubber cover (#9) onto wiring harness (#1). The cover must be positioned between the pin receptacle flange and vehicle panel.
4. Pull wiring harness (#1) through mounting hole until pin receptacle (#10) is seated in the hole.
5. See Figure 19 on page 9. Align pin receptacle with locking notch facing up. Using pin receptacle as a template, mark and drill three 5/32" dia. holes.
6. Attach pin receptacle (#10) with three M4-0.7 hex head cap screws (#11), flat washers (#12), lock washers (#13) and hex nuts (#14). Tighten nuts.
7. Route wiring harness (#1) from pin receptacle through the body to relay switch (#8).
   a. Make sure there is enough slack in the wire to not interfere with any moving parts of the vehicle functions but not so much that the wires could become entangled.
   b. Do not allow the wires to come in contact with any hot parts of the vehicle such as the exhaust or cylinder head.
8. Connect green wire (#3) to green wire (#4).
9. Connect brown wire (#5) to black wire (#6).
10. With a 12-volt test light or meter, locate a wire that is hot only when the ignition switch is “on”. This should be a purple wire leading from the ignition switch. One can be found in the wiring loom nearby the relay switch. See Figure 20 on page 9.
11. Remove ring terminal from white wire (#7) and with a blue scotch lock tap connector; connect wire (#7) to the purple wire located in Step 10 above.
12. Bundle excess wire and secure all switch wiring with plastic ties.
13. Plug tether switch (#2) into pin receptacle (#9) when in use and store in a safe location when not in use.



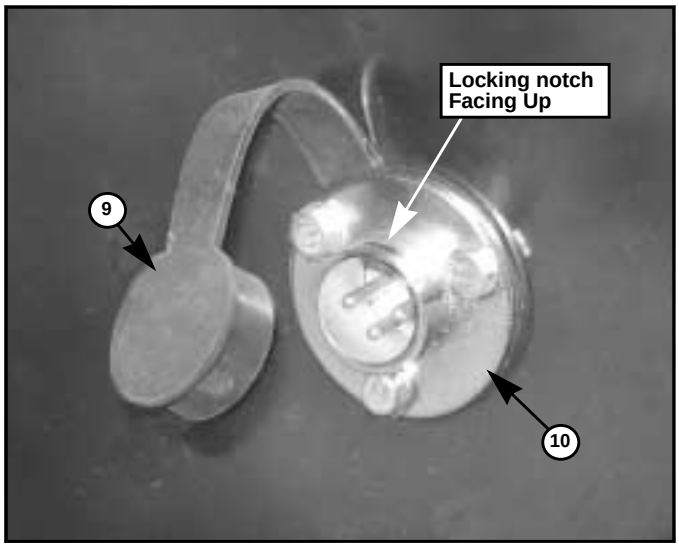

**Rocker Switch Terminal Wiring**
**Figure 16**



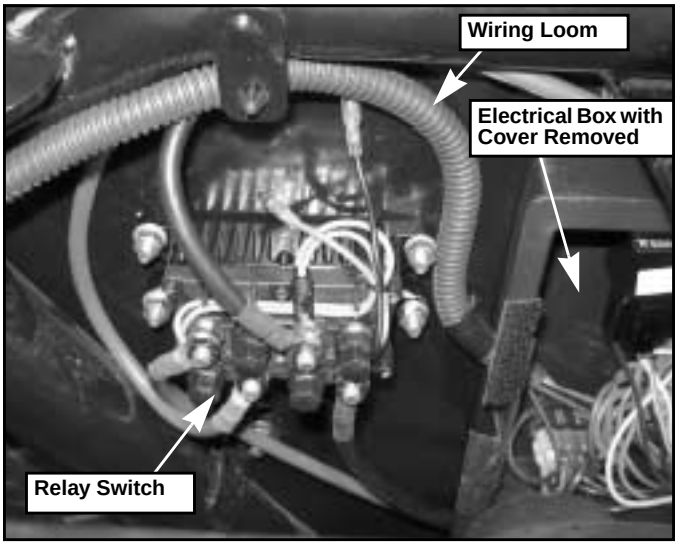

**Rocker And Tether Switch Assembly**
**Figure 17**



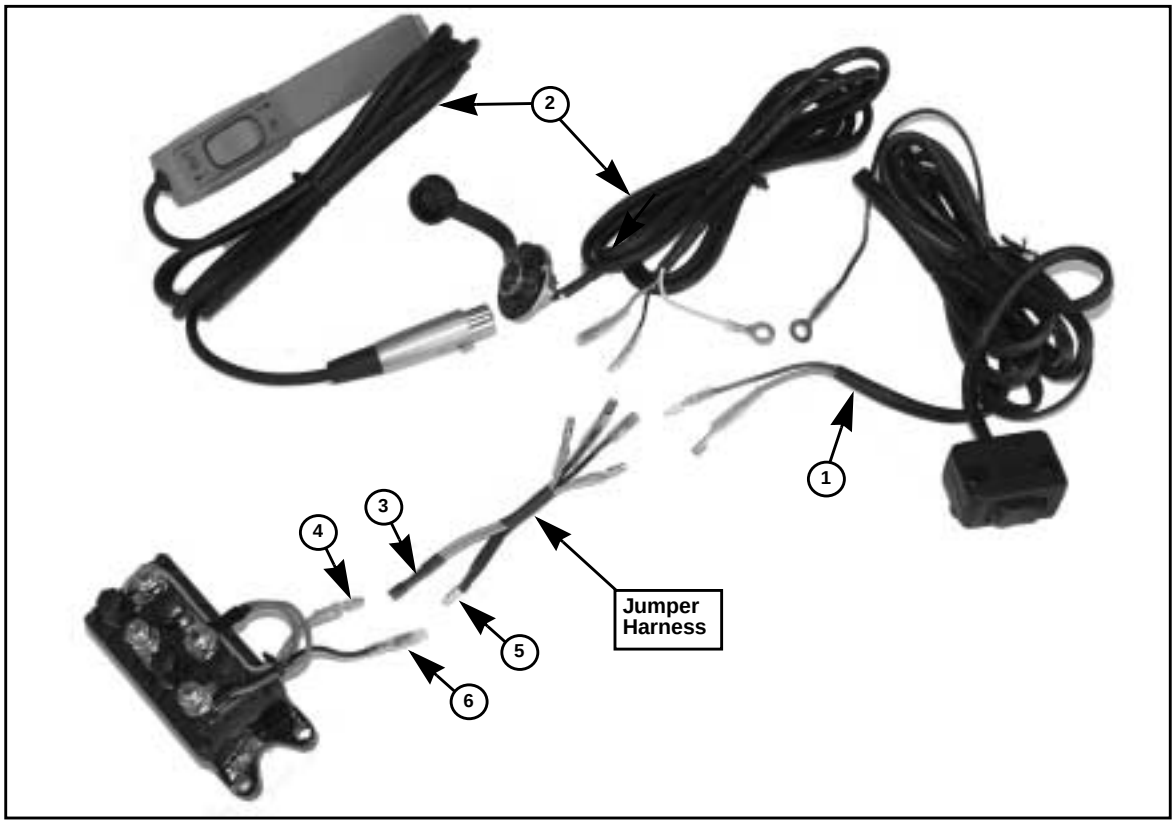

**Pin Receptacle Assembly**
**Figure 18**




**Pin Receptacle Mounting**
**Figure 19**




**Location of Purple Hot Wire**
**Figure 20**




**Tether And Rocker Switch Mounting**
**Figure 21**

## Rocker And Tether Switch Mounted

***Refer to Figure 21***

1. Connect jumper harness green wire (#3) to relay switch green wire (#4).
2. Connect jumper harness brown wire (#5) to relay switch black wire (#6).
3. Install rocker switch (#1) and the tether switch (#2) as outlined in the switch installation instructions except the green and brown wires are connected to the jumper harness instead of the relay switch.
4. Secure all switch wiring with plastic ties.

## Wiring Checks

1. Recheck your installation. Make sure:
   a. All wiring is secured and out of the way of all moving parts of the vehicle.
   b. All wiring and components are away from heat sources such as exhaust pipe and cylinder head.
   c. All components of the relay system are located so as not to interfere with the safe and normal operation of the vehicle.

**IMPORTANT:** Do not connect the short red wire leading from the winch relay to the battery until after the control circuit has been tested.

1. **Do not** connect the 10" red wire attached to the 40 amp breaker at this time. Connect the vehicle's red electrical wires to the battery's positive post (+). Tighten connection.
2. Connect vehicle's black ground wires and the 36" black relay wire to the battery's negative post (-). Tighten connection.

### Test Tether Switch Control Circuit

1. Plug tether connector into the pin receptacle.
2. Turn ignition switch on (do not start engine).
3. Operate tether switch up and down. You should hear a "click" at the relay when operating the switch to either position. The winch should **NOT** run at this time.
4. If you do not hear relay "clicks", check for 12 volts on the green wire extending from the switch. Ignition switch must be in the on position.
5. Unplug tether from pin receptacle and store in glove box or an alternate location for safe keeping.

### Test Rocker Switch Control Circuit

***Refer to Figure 16 on page 8:***

1. Turn the ignition switch to the on position (do not start engine).
2. Operate the rocker switch by pushing in at the top and then at the bottom. You should hear a "click" at the relay when you operate the switch to either position. The winch should **NOT** run at this time.
3. If you do not hear the relay "clicks", check for 12 volts purple wire attached to the middle of the rocker switch. Ignition switch must be in the on position.

### Final Test With 10" Red Wire Connected

1. Once you have verified proper operation of the control circuit, disconnect the black ground wires from the battery's negative post (-).
2. Connect 10" red wire extending from the 40 amp circuit breaker to the battery's positive post (+).
3. Reconnect the black ground wires to the battery's negative post (-).
4. Place your winch in "freespool" and pull out approximately 3 feet of wire rope.
5. Correctly orient the rocker switch as shown in Figure 16 on page 8. Turn the ignition switch on and operate the rocker switch to spool wire rope in:
   a. Pushing at the top of the rocker switch should cause the winch to spool in.
   b. Pushing at the bottom of the rocker switch should cause the winch to spool out.
6. Switch the green and brown wires at the rocker switch if the winch does not operate correctly.
7. Once the rocker switch operates correctly, press it into the "AUX" mounting panel.

## Kit No. 701-185A 2500 LB. WINCH FOR HD BRUSH GUARD

| Qty. | Part No. | Part Description |
|---|---|---|
| 1 | 700-331H | WINCH MOUNT WELDMENT |
| 1 | N/A | LIST OF COMMON PARTS BELOW |

## Kit No. 701-064A WINCH WITH MOUNTING KIT FOR 4200/4400 ST

| Qty. | Part No. | Part Description |
|---|---|---|
| 1 | 823-229C | ST WINCH MOUNT KIT WITH INSTRUCTION MANUAL 701-158M |
| 1 | N/A | LIST OF COMMON PARTS BELOW |

## Kit No. 701-065A WINCH WITH MOUNTING KIT FOR 4200/4400 NT

| Qty. | Part No. | Part Description |
|---|---|---|
| 1 | 823-225C | NT WINCH MOUNT KIT WITH INSTRUCTION MANUAL 701-159M |
| 1 | N/A | LIST OF COMMON PARTS BELOW |

## LIST OF COMMON PARTS

| Qty. | Part No. | Part Description |
|---|---|---|
| 1 | 701-186M | MANUAL, 2500LB WINCH |
| 1 | 816-564C | BOOT, CIRCUIT BREAKER |
| 1 | 816-565C | BOOT, RED RING TERMINAL |
| 1 | 816-566C | BOOT, BLACK RING TERMINAL |
| 2 | 823-123C | TERMINAL-FEMALE SPADE 16-14AWG |
| 1 | 823-267C | WINCH, 2500 LB WITH FAIRLEAD |
| 1 | 833-254C | DUMP SWITCH WAYTEK 44304 |
| 1 | 833-271C | SWITCH ACTUATOR |
| 1 | 833-447C | RELAY, WINCH CONTROL |
| 1 | 833-448C | CIRCUIT BREAKER, 40A AUTORESET |
| 1 | 833-449C | WINCH REMOTE SWITCH W/ HARNESS |
| 1 | 833-450C | WINCH REMOTE PLUG W/ HARNESS |
| 4 | 802-557C | HHCS M6-1X25 GR8.8 |
| 4 | 804-160C | WASHER FLAT M6 PLT |
| 4 | 804-226C | WASHER SPRING LOCK M6 PLT |
| 4 | 803-354C | NUT HEX M6-1 |
| 3 | 802-829C | HHCS M4-0.7X12 GR8.8 |
| 3 | 804-224C | WASHER FLAT M4 PLT |
| 3 | 804-225C | WASHER LOCK M4 PLT |
| 3 | 803-355C | NUT HEX M4-0.7 |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