

# SUPERWINCH®


## OWNER'S GUIDE


UT3000 3000 LB 1361 kg  
12 Volt DC [Electric Winch](#)


 CAUTION

**READ AND UNDERSTAND THIS GUIDE BEFORE  
INSTALLATION AND OPERATION.**

Throughout this manual, you will find notations with the following headings:

 **DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. This notation is also used to alert against unsafe practices.

The following symbols on the product and in the Owner's manual are used:



Read Owner's Manual



Always Use Handsaw



Keep clear of winch, wire rope and hook while operating



Never use winch to lift or move people



Never use winch to hold loads in place

**Note:** Indicates additional information in the installation and operation procedures of your winch.

Correct installation of your winch is a requirement for proper operation.

**Please Note:** Winch is designed primarily for intermittent applications. This winch is not designed to be used in industrial or hoisting applications and Superwinch does not warrant it to be suitable for such use.

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## GENERAL SAFETY INFORMATION

Your winch is a very powerful machine. If used unsafely or improperly, there is a possibility that property damage or personal injury could result.

**WARNING** *The responsibility for safe installation and operation of the winch and prevention of personal injury and property damage ultimately rests with you, the operator. There is no substitute for the use of good judgement and caution in operating a winch.*

**WARNING** *The wire rope may break before the winch stalls. For heavy loads, use a pulley block to reduce the load on the wire rope.*

1. Maximum working load capacity is on the wire rope layer closest to the drum. **DO NOT OVERLOAD. DO NOT ATTEMPT PROLONGED PULLS AT HEAVY LOADS.** Overloads can damage the winch and/or the wire rope and create unsafe operating conditions. **FOR LOADS OVER 1/2 RATED CAPACITY, WE RECOMMEND THE USE OF THE OPTIONAL PULLEY BLOCK TO DOUBLE LINE THE WIRE ROPE (Figure 2).** This reduces the load on the winch and the strain on the wire rope by approximately 50%. **The vehicle engine should be running during winch operation.** If considerable winching is performed with the engine off, the battery may be too weak to restart the engine.

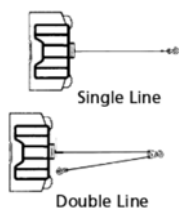



Figure 2

2. **AFTER READING AND UNDERSTANDING THIS MANUAL, LEARN TO USE YOUR WINCH.** After installing the winch, practice using it so you will be familiar with it when the need arises. 
3. **DO NOT "move" your vehicle to assist the winch in pulling the load.** The combination of the winch and vehicle pulling together could overload the wire rope and the winch.
4. **ALWAYS STAND CLEAR OF WIRE ROPE, HOOK AND WINCH. IN THE UNLIKELY EVENT OF ANY COMPONENT FAILURE IT'S BEST TO BE OUT OF HARM'S WAY.**
5. **INSPECT WIRE ROPE AND EQUIPMENT FREQUENTLY. A FRAYED WIRE ROPE WITH BROKEN STRANDS SHOULD BE REPLACED IMMEDIATELY.** Always replace wire rope with the manufacturer's identical replacement part (see Replacement Parts List). Periodically check the winch installation to ensure that all bolts are tight.
6. **USE HEAVY LEATHER GLOVES** when handling wire rope. **DO NOT LET WIRE ROPE SLIDE THROUGH YOUR HANDS.**
7. **NEVER WINCH WITH LESS THAN 5 TURNS** of wire rope **AROUND THE WINCH DRUM** since the wire rope end fastener may **NOT** withstand full load.

8. **KEEP CLEAR OF WINCH, TAUT WIRE ROPE AND HOOK WHEN OPERATING WINCH.** Never put your finger through the hook. If your finger should become trapped in the hook, you could lose your finger. **ALWAYS USE THE HANDSAVER** when guiding the wire rope in or out (See Figure 3).



Figure 3

9. **NEVER HOOK THE WIRE ROPE BACK ONTO ITSELF** because you could damage the wire rope. Use a nylon sling (Figure 4).

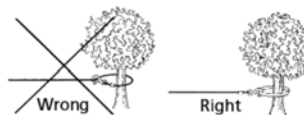



Figure 4

10. It is a good idea to lay a heavy blanket or jacket over the wire rope near the hook end when pulling heavy loads (Figure 5). If a wire rope failure should occur, the cloth will act as a damper and help prevent the rope from whipping.



Figure 5

11. **NEVER USE YOUR WINCH FOR LIFTING OR MOVING PEOPLE.** 

12. Your winch is not intended for overhead hoisting operations.

13. **AVOID CONTINUOUS PULLS FROM EXTREME ANGLES** as this will cause the wire rope to pile up on one end of the drum (Figure 6). This can jam the wire rope in the winch, causing damage to the rope or the winch.

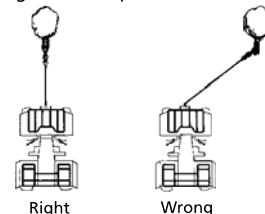



Figure 6

14. **NEVER OBSCURE THE WARNING INSTRUCTION LABELS.**
15. Always operate winch with an unobstructed view of the winching operation.
16. Equipment such as tackle, hooks, pulley blocks, straps, etc. should be sized to the winching task and should be periodically inspected for damage that could reduce their strength.
17. **NEVER RELEASE FREESPOOL CLUTCH WHEN THERE IS A LOAD ON THE WINCH.**
18. **NEVER WORK ON OR AROUND THE WINCH DRUM WHEN WINCH IS UNDER LOAD.**
19. **DO NOT OPERATE WINCH WHEN UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR MEDICATION.**

20. ALWAYS DISCONNECT WINCH POWER LEADS TO BATTERY BEFORE WORKING IN OR AROUND THE WINCH DRUM so that the winch cannot be turned on accidentally.
21. When moving a load, slowly take up the wire rope slack until it becomes taut. Stop, recheck all winching connections. Be sure the hook is properly seated. If a nylon sling is used, check the attachment to the load.
22. When using your winch to move a load, place the vehicle transmission in neutral, set vehicle brake, and chock all wheels.
23. DO NOT USE THE WINCH TO HOLD LOADS IN PLACE. Use other means of securing loads such as tie down straps. 
24. USE ONLY FACTORY APPROVED SWITCHES, REMOTE CONTROLS AND ACCESSORIES. Use of non-factory approved components may cause injury or property damage and could void your warranty.
25. DO NOT MACHINE OR WELD ANY PART OF THE WINCH. Such alterations may weaken the structural integrity of the winch and could void your warranty.
26. DO NOT CONNECT WINCH TO EITHER 110V AC HOUSE CURRENT OR 220V MAINS AS WINCH BURNOUT OR FATAL SHOCK MAY OCCUR.
27. Never allow shock loads to be applied to winch or wire rope.
28. Use caution when pulling or lowering a load up and down a ramp or incline. Keep people, pets and property clear of the path of the load.

## INSTALLATION

### FIGURE 7

#### Step (1)

Secure relay box to mounting clamps by sliding into register, in slots under relay box, slide clamps around the motor and use washers and square nuts supplied to attach.

#### Step (2)

Secure winch to mounting plate or structural support using bolts, lock washers and square nuts supplied with winch.

#### Step (3)

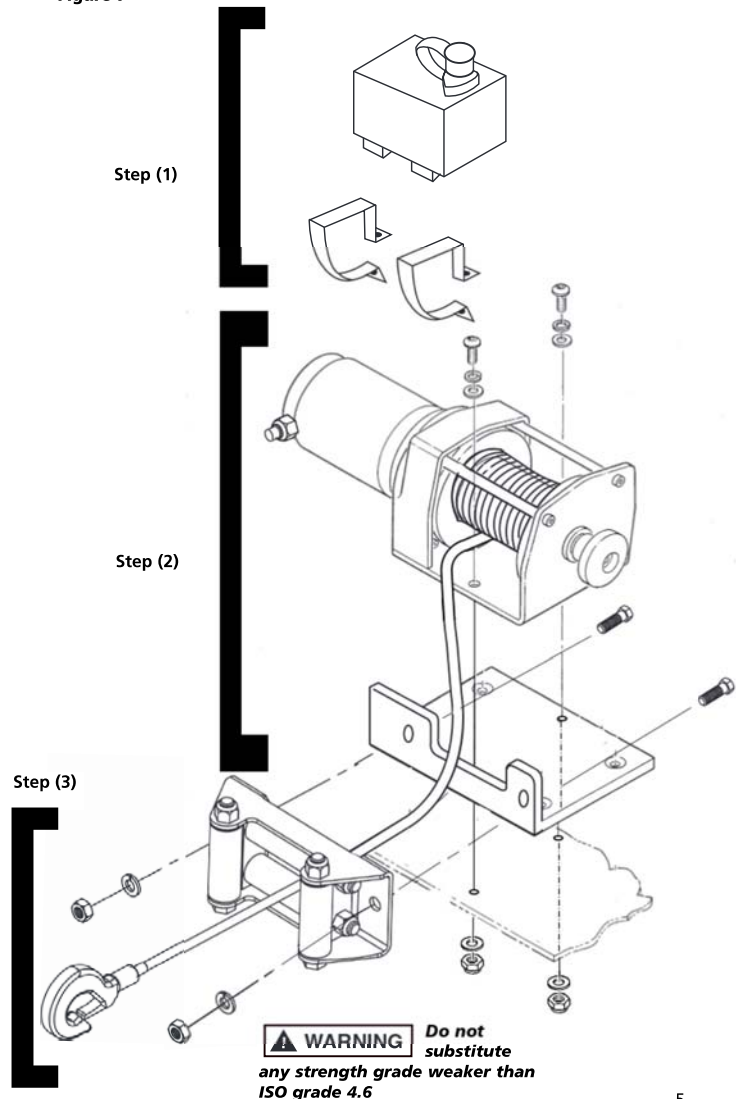
Remove bottom roller from the roller fairlead. Pull & turn the free spool knob to disengage and pull a few inches of wire rope from the drum. Pass the wire rope thimble end under the remaining roller, then replace the bottom roller. Next secure the roller fairlead to mounting plate or structural support using hardware provided.

**WARNING** Be sure that both the mounting plate and winch hardware have been properly tightened.

**CAUTION** No part of the vehicle (skid-plates, wiring, auxiliary lights, tires, etc.) should impede the operation of your Superwinch. When mounting, check all vehicle and winch parts for free operation. Be sure that the winch mounting location does not significantly reduce ground clearance.

**WARNING** This winch MUST be mounted with the wire rope in the underwind direction. Improper mounting could damage your winch and void your warranty.

Figure 7



## INSTALLATION

### Step (4)

Disconnect the vehicle battery leads.

**⚠ WARNING** *Batteries contain gasses which are flammable and explosive. Wear eye protection during installation and remove all metal jewelry. Do not lean over battery while making connections.*

### Step (5)

Refer to Figure 8 for wiring diagram.

Route the two wires from the control box to the motor. Route the two wires from the control box to the battery. Attach the circuit breaker to battery end of the red wire. Wrap the circuit breaker with electrical tape to prevent accidental short circuits.

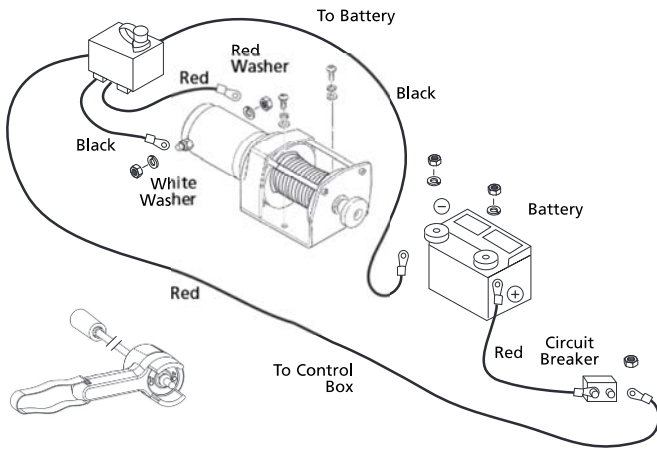


Figure 8

Apply several layers of electrical tape where wiring may come into contact with sharp metal parts of the vehicle to prevent insulation abrasion or cutting.

Attach the circuit breaker wire to the battery positive terminal and reattach the terminal to the battery. Connect the remaining black control box wire to the battery negative terminal and connect the terminal to the battery.

### Step (6)

Pull and turn (see Figure 9) the freespool clutch knob to the "Free" position. Pull several feet of wire rope off the drum. Return the clutch knob back to the "Engaged" position. Activate the winch in Cable Out momentarily to check drum rotation direction. If the drum rotates in the wrong direction, recheck your wiring.

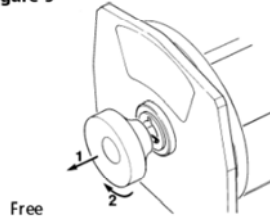
## FREESPOOL OPERATION

Pull and turn the clutch knob to the "Free" position as shown in Figure 9. If there is a load on the wire rope, the clutch knob may not pull out easily. DO NOT FORCE THE CLUTCH KNOB. Release tension on the clutch by joggling out some of the wire rope. Release the clutch and pull out the wire rope and secure to anchor or load. Check that there are at least five (5) turns of wire rope left on the drum. Re-engage the drum by returning the clutch knob to the "Engaged" position. (See Figure 9).

**⚠ CAUTION** *Clutch must be fully engaged before winching. Never engage clutch knob while drum is turning.*



Figure 9



**⚠ CAUTION** *If the winch motor stalls, do not continue to apply power.*

## PENDANT OPERATION

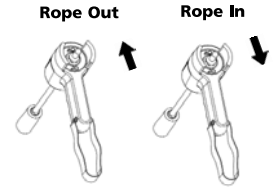


Figure 10

Figure 11

The handheld pendant switch activates relays that feed power to the winch motor.

To connect the pendant control, remove the cover on the plug receptacle and insert the plug end of remote switch. The plug on the pendant control cord is keyed and will fit into the socket only one way.

The switch trigger returns to the "Off" position when released.

To change direction, move the toggle in the other direction.

**⚠ CAUTION** *The switch assembly must be kept free of dirt and moisture to ensure safe operation.*

**⚠ CAUTION** *To prevent unauthorized use of the winch, remove pendant control and store in a clean dry area such as the glove box.*