# OWNER’S GUIDE

LT3000 ATV 3000 lb

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 Handsaver


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.

## 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 1,000 POUNDS (454 kg), WE RECOMMEND THE USE OF THE OPTIONAL PULLEY BLOCK TO DOUBLE LINE THE WIRE ROPE (Figure2). This reduces the load on the winch and the strain on the wire rope by approximately 50%. Attach hook to load bearing part. 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.

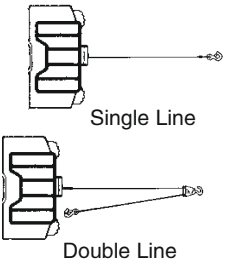



Figure 2

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 .

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.

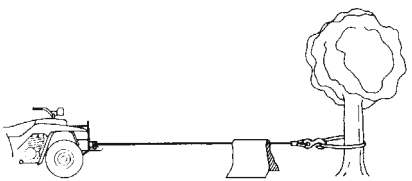
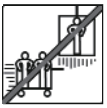


Figure 5

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 dam–age to the rope or the winch.

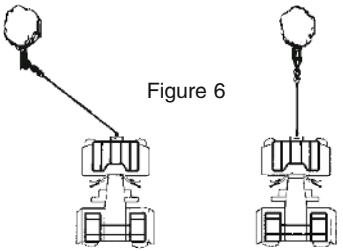



Figure 6

14. NEVER OBSCURE THE WARNING INSTRUCTION LABELS.

15 .Always operate winch with an unobstructed view of the winch–ing 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 t rans–mission 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 CUR–RENT 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

Correct installation of your winch is required for proper operation.

Step (1)
Disconnect the vehicle battery leads from the battery.

Step (2)
Secure winch (Figure) to mounting plate or structural support mount bolts, flat washers, and lock washers provided. Typical mount is to a flat secure surface capable of handling the required loads.

Step (3)
Remove bottom roller from the roller fairlead. Turn the freespool knob to disengage and pull a few inches of wire rope from the drum. Pass the wire end under the remaining roller, and then replace the bottom roller. Next secure the roller fairlead to the mounting roller plate or structural support bolts, flat washers, and lock washers provided.

**⚠ WARNING** Do not substitute any strength grade weaker than ISO grade 8.8

**⚠ WARNING** Be sure that both the mounting plate and winch hardware have been prop–erly tightened.

**⚠ CAUTION** No part of the vehicle (skid plates, wiring, auxiliary lights, tires, ect.) should impede the operation of your winch. When mounting, check all vehicle and winch parts for free ope–ration. 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.

Use the supplied hardware and brackets to mount the handlebar switch. Mount the solenoid close to the battery, in the storage box, under the seat or frame.

**⚠ WARNING** The location of the switch MUST not interfere with safe operation of the vehicle. Wiring MUST NOT come in contact with any moving parts or sharp edges, such as engine, suspension, brakes, exhaust, or steering.

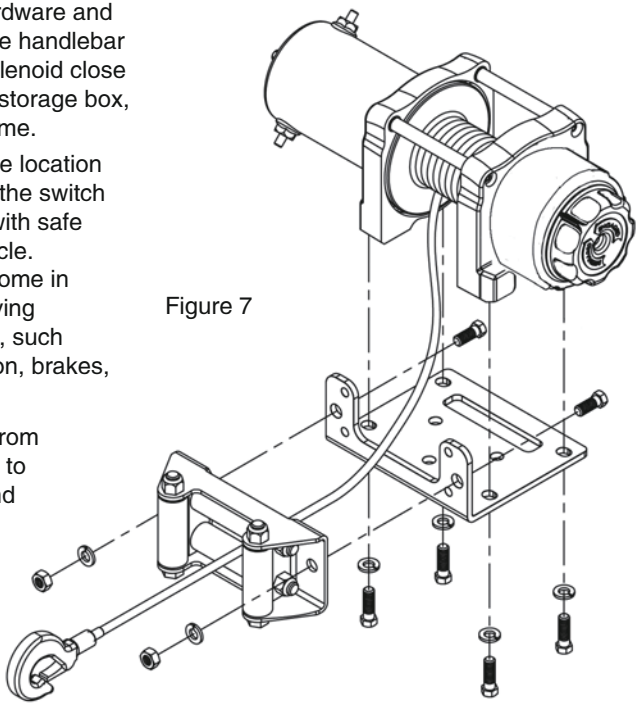


Figure 7

Route the Red wire from the handlebar switch to the ignition switch and connect to the wire that is powered when ignition is in the ON position ONLY.

Route the two wires from the solenoid to the motor Figure 8. Route the two wires from the solenoid to the battery. Attach the circuit breaker to the end of the red wire. Wrap the circuit breaker with electrical tape to prevent accidental short circuits.

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

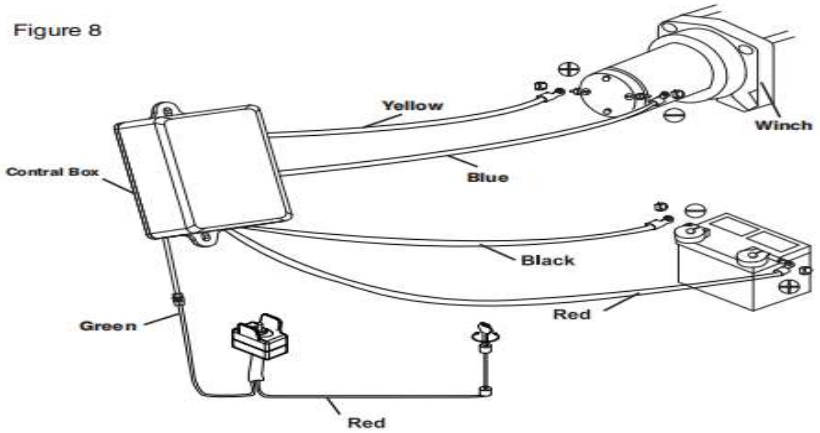
Attach the short circuit breaker wire to the battery positive terminal and reat–tach the terminal to the battery. Con–nect the remaining black solenoid wire to the battery negative terminal and connect the terminal to the battery.

STEP (4)
Turn the clutch knob to, Disengaged "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 direc–tion, recheck your wiring.

FREESPOOL OPERATION

Turn the clutch knob to the, Disen–gaged "Free" position.
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 jogging 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.

Figure 8




The cable leading from the Switch Controller has a red wire extending out from its side. Connect this to an ignition circuit (switched by the vehicle's key) to help prevent accidental starting. **The winch will not operate if that wire is not properly connected.**

a. Use a circuit tester to find a wire that energizes when the vehicle's key is turned to on, and turns off when the key is turned to off.

b. That is an ignition controlled wire.

c. Connect wire shown in Figure F to that wire.

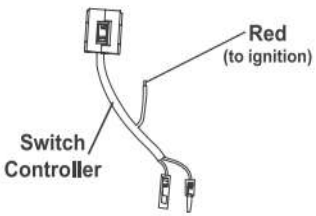



**Figure F: Wiring to vehicle's keyed ignition**

**Note: If not attaching the winch to a vehicle, attach the ignition wire to the positive battery terminal.**
**IF THIS IS NOT DONE,**
**THE WINCH WILL NOT OPERATE.**

**Note:** The attachment of the Motor Cables determines the operation of the Controller's button. After the unit is mounted and powered, check the direction of the Power In and Power Out on the Controller button. If you wish to change the direction on the Controller, disconnect the Battery Cables from the battery, switch the Motor Cable connections on the Motor Assembly, then reconnect the Battery Cables.

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

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

## INTERMITTENT DUTY

An electric winch is like any other motor driven power tool such as an electric drill or saw. The electric mo–torshould not be allowed to become excessively hot. Normal precautions will extend the life of your motor. Keep the durations of pulls as short as possible.

If the end of the motor becomes uncomfortably hot to touch, stop winching and allow the motor to cool down.