



Tamarack ATV Accessories OWNER'S MANUAL ATV Electric Winch Model WIN2500 with Mini Rocker Switch



Note: Fairlead does not attach directly to winch. Winch shown with mounting plate (P/N 251073), sold separately.

| WIN2500 WINCH | | | | | |
|---|-------|-------|-------|-------|-------|
| LAYER OF CABLE | 1 | 2 | 3 | 4 | 5 |
| Rated line pull per layer (lbs) | 2,500 | 2,090 | 1,800 | 1,580 | 1,400 |
| (kgs) | 1,133 | 947 | 815 | 716 | 634 |
| Cumulative cable capacity per layer (ft)* | 7 | 15 | 25 | 37 | 50 |
| (m)* | 2.12 | 4.56 | 7.6 | 11.3 | 15.2 |

* CABLE MUST BE UNIFORMLY WOUND ONTO DRUM.

| | | | | | | |
|-------------------|------|------|-------|-------|-------|-------|
| Line pull (lbs) | NO | 500 | 1,000 | 1,500 | 2,000 | 2,500 |
| first layer (kgs) | LOAD | 227 | 453 | 680 | 906 | 1,133 |
| Line speed (fpm) | 20.8 | 17.6 | 15 | 12.3 | 10.2 | 8.5 |
| first layer (mpm) | 6.3 | 5.3 | 4.5 | 3.8 | 3.0 | 2.6 |
| Amp draw (12v) | 18 | 45 | 63 | 84 | 96 | 121 |

Congratulations

You have purchased the finest winch available in its service class. It features a highly efficient 3 stage planetary gear set which transmits torque from a permanent magnet motor. A safe positive clutch allows free spooling for quick cable deployment. Your Tamarack winch was designed and manufactured to provide you with the utmost in utility. As with any device that combines power and movement in its use, there are dangers if improperly used.

At the same time, there are easier and faster ways for getting the job done if certain precautions are taken first. Please read this manual carefully. It contains useful ideas in obtaining the most efficient operation from your Tamarack winch and safety procedures you need to know before beginning use. When you follow our guidelines for operation, your Tamarack winch will give you many years of satisfying service. Thank you for choosing Tamarack ATV Accessories. You will be glad you have one working for you.

Please Note: Tamarack WIN 2500 winches are designed for ATV use. This winch is not designed to be used in industrial applications (car haulers /carriers, wreckers, hoisting, etc.), and Tamarack ATV Accessories, does not warrant it to be suitable for such use.



CAUTION: READ AND UNDERSTAND THIS MANUAL BEFORE INSTALLATION AND OPERATION OF WINCH. SEE SAFETY PRECAUTIONS.

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Safety Precautions To Guard Against Possible Injury.....

- A. Keep yourself and others a safe distance to the side of the cable when pulling under load.
- B. Do not step over a cable, or near a cable under load.
- C. Use supplied hook strap when handling hook for spooling wire rope.
- D. Do not use ATV to pull a load on the winch cable. This could result in cable breakage and/or winch damage
- E. Use a heavy rag or gloves to protect hands from burrs when handling winch cable.
- F. Apply blocks to wheels when ATV is on an incline.
- G. Winch clutch should be disengaged when winch is not in use and fully engaged when in use.
- H. Modification, alteration, or deviation to the winch should only be made by Tamarack ATV Accessories.

- I. Keep the duration of your pulls as short as possible. If the motor becomes uncomfortably hot to the touch, stop and let it cool for a few minutes. Do not pull more than one minute at or near the rated load. Do not maintain power to the winch if the motor stalls. Electric winches are for intermittent usage and should not be used in constant duty applications.
- J. Do not use winch in hoisting applications due to required hoist safety factors and features.
- K. Do not exceed maximum line pull ratings shown in tables. Shock loads must not exceed these ratings.
- L. To respool correctly, it is necessary to keep a slight load on the cable. Do not allow the cable to slip through your hand and do not approach the winch too closely. When all the cable except a few feet is in, stop and finish spooling in cable by rotating the drum by hand with clutch disengaged. Always use hook strap to hold hook when spooling.



Tips for Safe Operation

Don't underestimate the potential danger in winching operations. Neither should you fear them. Do learn the basic dangers and avoid them.

Observe spooling of cable onto drum. Side pulls can cause cable to pileup at one end of the drum. To correct uneven stacking, spool out that section of the cable and move it to the other end of the drum and continue winching. Uneven spooling which causes cable pileup can interfere with the winch tie rods causing damage to the winch.

Store the wireless remote control transmitter in a safe place where it will not become damaged. Inspect it before you use it.

When ready to begin winching, push and hold the On/Off button on the transmitter until it flashes. Do not engage clutch with motor running.

Never connect the hook back to the cable. This causes cable damage. Always use a sling or chain of suitable strength.

Observe your winch while winching. If possible, while standing at a safe distance. If you use ATV drive to assist, stop and get off every few feet to assure the cable is not piling up in one corner. Jamming cable can break your winch.

Do not attach tow hooks to winch mounting apparatus. They must attach to ATV frame.

When double lining during stationary winching, the winch hook should be attached to the chassis of the ATV. Since the greatest pulling power is achieved on the innermost layer of your winch, it is desirable to pull off as much line as you can for heavy pulls. If this is not practical, use a snatch block and double line arrangement.

Neat, tight spooling avoids cable binding which is caused when a load is applied and the cable is pinched between two other wraps of cable. If this happens, alternately power the winch in and out a few inches. Do not attempt to work a bound cable under load, free by hand.

Techniques of Operation

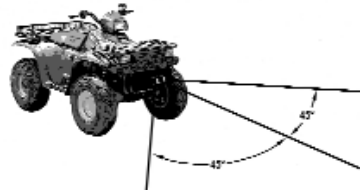
The best way to get acquainted with how your winch operates is to make a few test runs before you actually need to use it. Plan your test in advance. Remember you hear your winch as well as see it operate. Get to recognize the sound of a light steady pull, a heavy pull, and sounds caused by load jerking or shifting. Soon you will gain confidence in operating your winch and its use will become second nature with you.

Your winch will not only pull your ATV up or ease your ATV down a steep grade, it will also pull another ATV or a load while your ATV is anchored in a stationary position.

When pulling a heavy load, place a blanket, jacket

or tarpaulin over the cable five or six feet from the hook. It will slow the snap back in the event of a broken cable.

Use the ATV wheel power to help the winch, but don't overtake the winch line. Plan your pull. You can't always hook up and pull out in one step. Examine all the areas for anchoring possibilities as well as leverage situations, direction, and goal.



Winches equipped with cable guide fairleads can pull from several directions. Pull from an angle only to straighten up the ATV--otherwise you can damage structural members or other parts of your ATV and cause excess cable buildup on one end of the winch drum.

General Installation

The winch shown in this owners manual is solely and exclusively designed for ATV mounted, non-industrial applications. All other applications will void warranty.

1. Install Winch and Mounting Kit according to instructions supplied with Mounting Kit. Tighten mounting bolts to 16 ft-lbs torque.
2. **It is very important that the winch be mounted on a flat surface, with the cable feeding from the bottom of the drum.**

CAUTION: SUPPLIED 1" LONG MOUNTING BOLTS WITH LOCKWASHERS ARE FOR A RECOMMENDED WINCH MOUNTING PLATE THICKNESS OF 3/16". IF A DIFFERENT MOUNTING PLATE THICKNESS IS USED, THE BOLT LENGTH MUST BE ADJUSTED ACCORDINGLY OR DAMAGE TO WINCH MAY OCCUR. REPLACEMENT BOLTS MUST BE SAE GRADE 5 OR EQUIVALENT.



For basic self-recovery, anchor to a tree or heavy rock. When anchoring to a tree, always use a tree trunk protector.

Rotating the Motor on your WIN 2500 Winch

The WIN 2500 winch has the motor studs and leads positioned on the end of the motor aligned vertically. If you need to rotate the motor on your WIN 2500 winch to gain clearance, you can rotate the motor 90°. The motor studs will then be aligned horizontally.

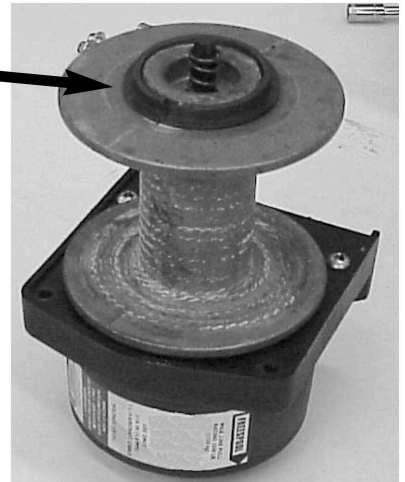
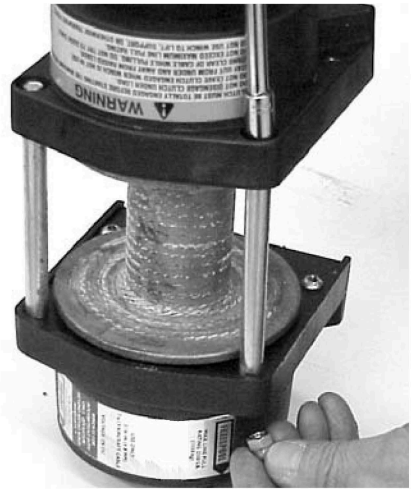
Before you begin:

Note: If you have installed the optional Brake kit (P/N 256116) for the WIN 2500 winch, make sure you have the Brake kit installation instructions before proceeding. You will need to re-install the Brake kit after you rotate the motor (step 6 on the following pages). Contact Tamarack ATV accessories, La Boite, Inc. if you do not have your installation instructions.

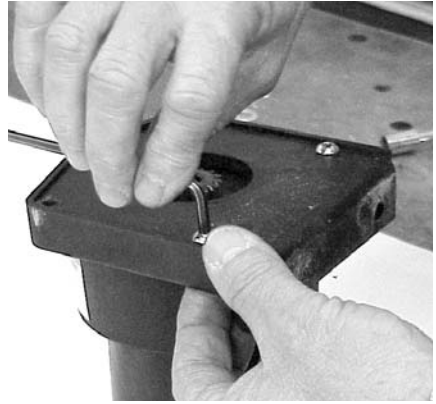
1. Remove the cable from the drum. Turn the clutch handle to Freespool and pull cable. Slide the end of the cable out of the pocket again the drum flange until the cable anchor can be removed. Be sure to keep the cable anchor for re-installing the cable. Leave the clutch set to Freespool.
2. Disconnect the motor leads.
3. Remove the winch from its mounting channel. Place it on a sturdy, level workbench.

Set the winch down on the clutch end.

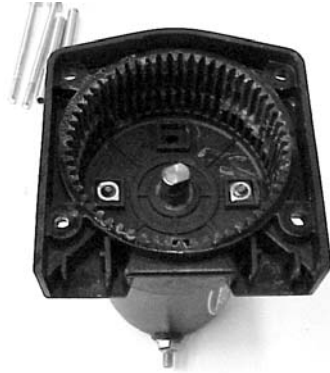
1. Remove the tie bar bolts and nuts. Pull tie bars from between end bearings.
2. Lift the motor end off the drum and set down with the motor end down. Make sure the shaft, drum bushing and spring stay with the drum.



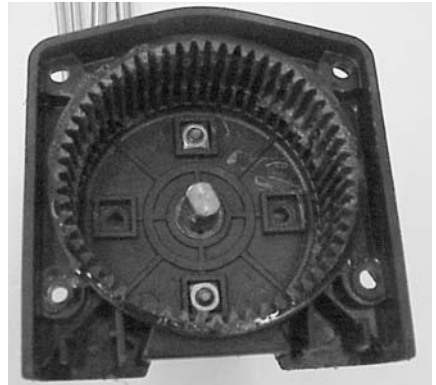
3. Remove the bolts that hold the end plate to the motor end housing. Lift off the end plate and take the nuts and washers out of the mounting feet. Set aside the gear assemblies and bushing. The input sun and planetary gear carrier may come out together.



4. Lean the motor end and loosen the motor tie bolts off the tie bolt nuts. Lean the motor end back up so that it is sitting upright. **Do not let the motor end cap come apart from the rest of the motor.** Lift the motor end housing and rotate 90°. Put the tie bolt nuts in the other set of pockets and carefully lean the motor end back. Tighten the tie bolts to 45-50 in-lbs. torque. Do not overtighten.



5. After rotating the motor, the motor end will appear as shown at right. The motor studs will be aligned horizontally, and the motor tie bolt nuts will be in the other set of pockets.



6. Replace the gears into the motor end housing, fitting the input sun gear over the motor shaft. The planetary gear carrier should be seated so that the bushing, as shown at lower right, is flush with the ring gear.

7. Re-install the end plate on the housing with the bolts you removed earlier. Tighten these bolts to 45-50 in-lbs. torque. Do not over-tighten.

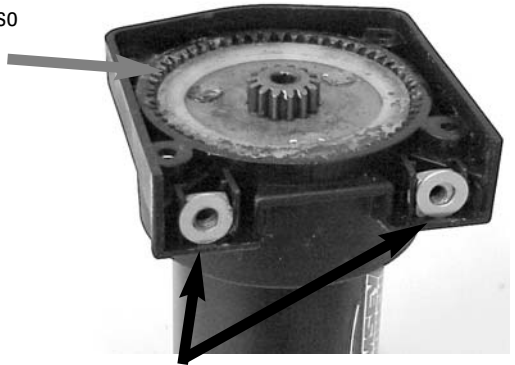
8. Lift the motor end assembly onto the drum. Turn the drum and motor end assembly so that the shaft fits into the input sun gear.

Lean the motor end assembly slightly to one side to insert the tie bars into their holes.

9. Slide the tie bar bolts through the tie bars and into their nuts. Tighten the tie bar bolts to 45-50 in-lbs. torque. Do not over tighten. The finished winch should look as shown below, with the motor studs aligned horizontally.

Confirm that the drum freespools properly without binding.

Refer to the winch mounting kit installation instructions for re-installing the winch. Re-install the winch cable according to the instructions in this manual.



Insert the mounting nuts and washers into the pockets of the housing as shown. Make sure they do not fall out while re-installing the end plate.



Winch Operation

The winch clutch allows rapid unspooling of the wire rope for hooking onto the load or anchor point. The clutch is operated by the shifter located on the end of the winch as follows:

1. To disengage the clutch, turn the clutch shifter to the "FREESPOOL" position. Wire rope may now be freespooled off the drum.
2. To engage the clutch, turn the clutch shifter to the "ENGAGED" position. The winch is now ready for pulling.



Your battery must be kept in good condition. A fully charged battery and proper connections are essential. Run the vehicle engine during winching operations to keep battery charged.

Maintenance

Corrosion on electrical connections will reduce performance or may cause a short. Clean all connections. In salty environments use a silicone sealer to protect from corrosion.

To minimize corrosion of the internal motor components that may occur due to condensation, power the winch in or out periodically. Energizing the motor will generate heat, which will help dissipate any moisture buildup in the motor. This should be performed at periodic intervals (such as with each oil change to your vehicle). Note: Refer to Troubleshooting Guide if the motor has been submerged.

See supplied instructions for programming a replacement transmitter.

All moving parts in the winch are permanently lubricated with broad temperature range lithium based grease. Under normal conditions factory lubrication will suffice.

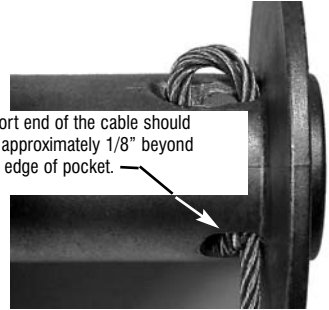
Lubricate cable periodically using light penetrating oil. Inspect for broken strands and replace if necessary. If the cable becomes worn or damaged, it must be replaced.

Cable Installation

Note: Cable should be installed so that it feeds from the bottom of the drum.

Unwind the new cable by rolling it out along the ground to prevent kinking. Remove old cable and observe the manner in which it is attached to the cable drum flange, watching carefully for the cable anchor puck.

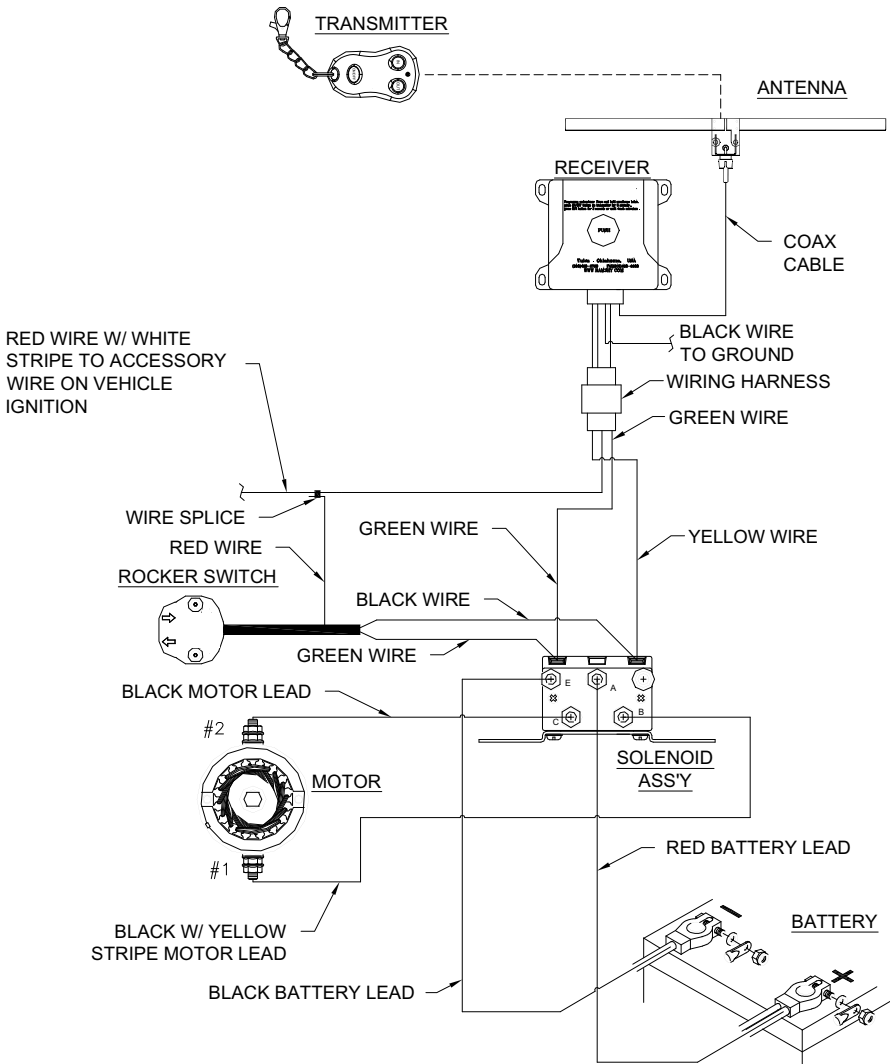
Before installing the new cable assembly, securely wrap the end of the cable with tape to prevent fraying.



Slide the cable through narrow end of the pocket against drum flange and wrap the cable around the anchor puck. Pull the cable and anchor back into the wide end of the pocket leaving approximately 1/8" beyond edge of pocket as shown. Use a hammer and drift punch to drive the back side of the wire rope, firmly seating the wire rope and anchor into the pocket.

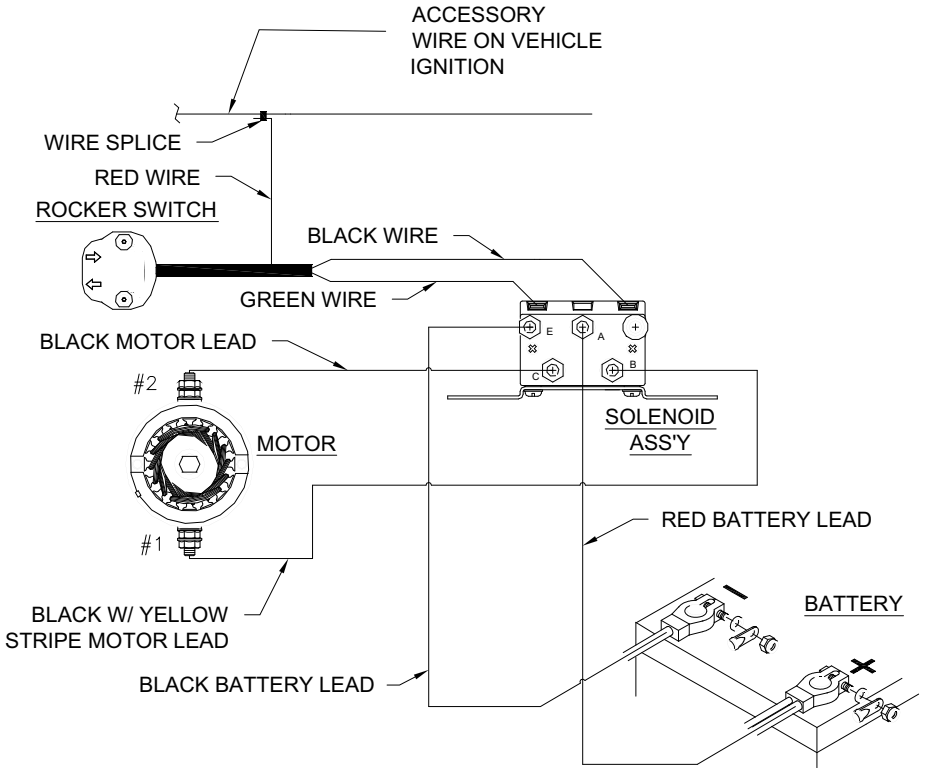
Wind on the cable by pulling in a light load to keep the tension constant. Allow the cable to swivel by using a length of chain or a swivel block between the cable hook and the load.

Electrical Schematic (Wireless Remote with Rocker Switch)



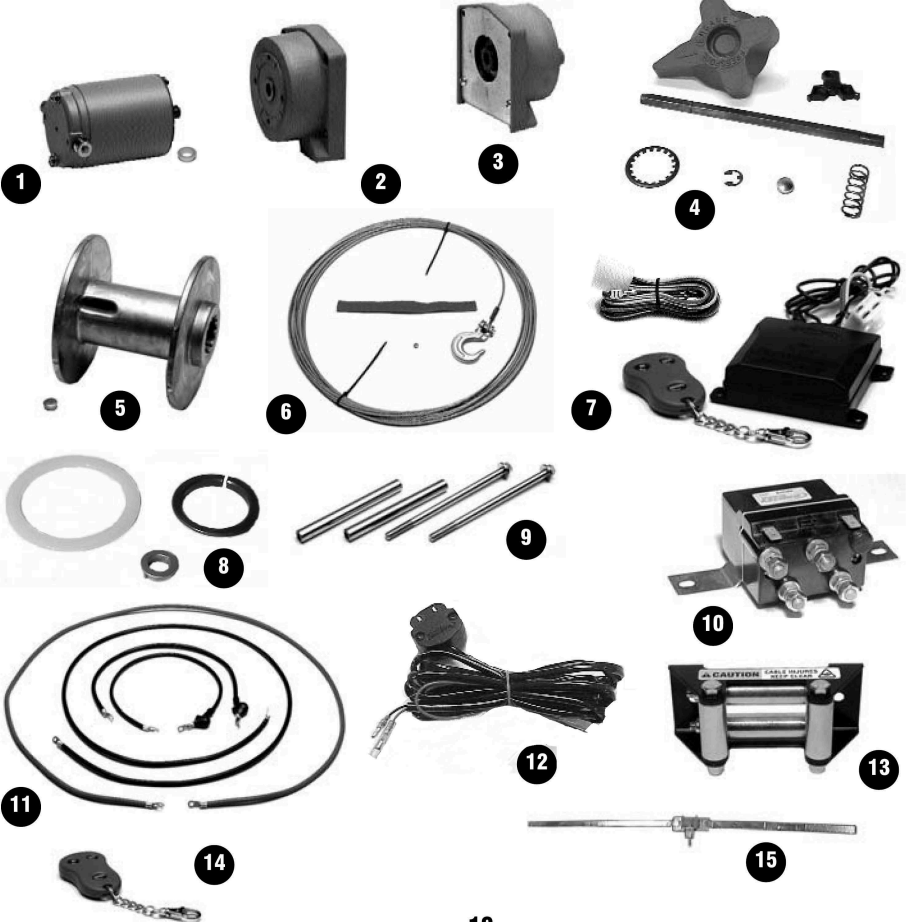
For certain mounting applications, where the solenoid needs to be mounted at the rear of the vehicle, switch the battery and motor leads. In this case, connect the black w/yellow stripe lead to the positive (+) terminal of the battery, and the longer black lead to the negative (-) terminal. Connect the red lead and the shorter black lead to the motor terminals.

Electrical Schematic (Rocker Switch only)



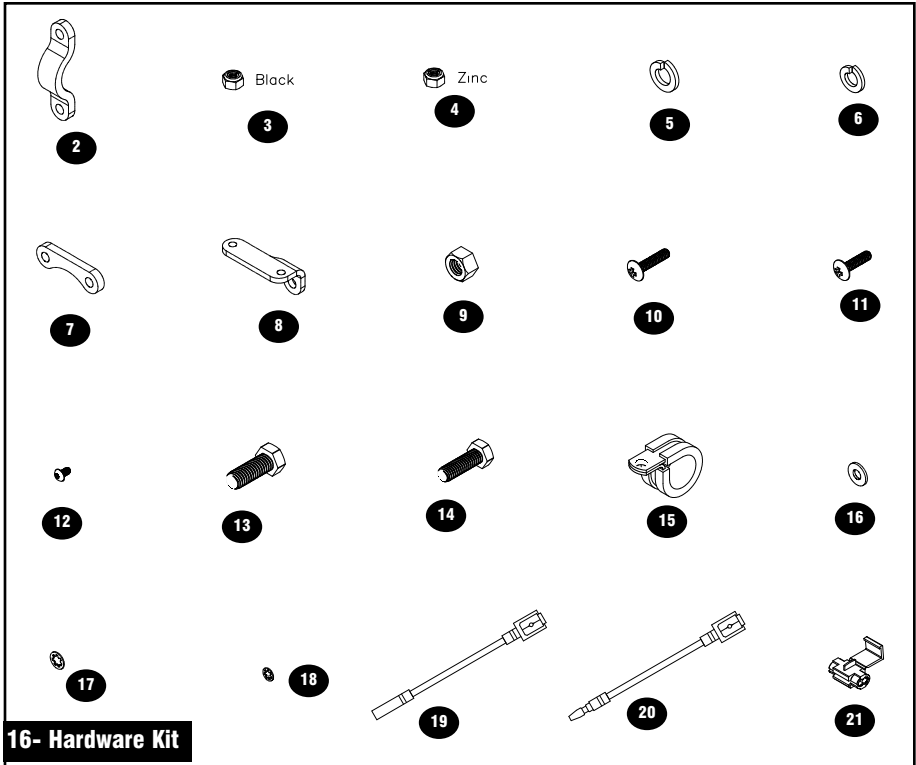
PARTS LIST

| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|----------|------|----------|-------------------------------------|
| 1 | 1 | 251214 | MOTOR KIT |
| 2 | 1 | 251212 | MOTOR END GEAR SET KIT |
| 3 | 1 | 251213 | CLUTCH END GEAR KIT |
| 4 | 1 | 251191 | CLUTCH KIT |
| 5 | 1 | 251192 | CABLE DRUM KIT |
| 6 | 1 | 251296 | CABLE & HOOK KIT |
| 7 | 1 | 282058 | WIRELESS RECEIVER & TRANSMITTER KIT |
| 8 | 1 | 251195 | BUSHING KIT |
| 9 | 1 | 251196 | TIE BAR KIT |
| 10 | 1 | 251234 | SOLENOID KIT |
| 11 | 1 | 251197 | ELECTRICAL WIRING KIT |
| 12 | 1 | 282065 | ROCKER SWITCH |
| 13 | 1 | 251236 | ROLLER FAIRLEAD KIT |
| 14 | 1 | 251190 | WIRELESS TRANSMITTER KIT |
| 15 | 1 | 251198 | ANTENNA KIT |
| 16 | 1 | | HARDWARE KIT * (SEE OPPOSITE PAGE) |



*** Hardware Kit**

| Item No. | Qty. | Description |
|-----------------|-------------|---|
| 16-1 | 1 | CABLE TIES, PKG. (NOT PICTURED) |
| 16-2 | 2 | HANDLE BAR CLAMP BRACKET |
| 16-3 | 3 | LOCKNUT - #10-24NC HEX BLACK |
| 16-4 | 2 | LOCKNUT - #10-24NC HEX ZINC |
| 16-5 | 2 | LOCKWASHER - 3/8 MED SECTION ZINC (FAIRLEAD MTG) |
| 16-6 | 4 | LOCKWASHER - 5/16 MED SECTION ZINC (WINCH MTG) |
| 16-7 | 1 | MOUNTING ARM BRACKET |
| 16-8 | 1 | MOUNTING BRACKET |
| 16-9 | 2 | NUT - 3/8-16NC REG HEX ZINC (FAIRLEAD MTG) |
| 16-10 | 1 | SCREW - #10-24NC X 7/8" LG TRUSS, CROSS RECESS BLACK |
| 16-11 | 4 | SCREW - #10-24NC X 3/4" LG TRUSS, CROSS RECESS BLACK |
| 16-12 | 2 | SCREW - #6-32NC X 1/4" LG SOCKET BUTTON HEAD BLACK |
| 16-13 | 2 | SCREW - 3/8-16NC X 1" LG HEX HEAD GR5 ZINC (FAIRLEAD MTG) |
| 16-14 | 4 | SCREW - 5/16-18NC X 1" LG HEX HEAD GR5 ZINC (WINCH MTG) |
| 16-15 | 2 | TUBE CLAMP |
| 16-16 | 2 | WASHER - #10 FLAT ZINC |
| 16-17 | 2 | WASHER - #10 SHAKE PROOF |
| 16-18 | 2 | WASHER - #6 SHAKE PROOF |
| 16-19 | 1 | WIRE ASSEMBLY - BLACK |
| 16-20 | 1 | WIRE ASSEMBLY - GREEN |
| 16-21 | 2 | WIRE SPLICE |



WIN2500 Trouble Shooting Guide

| CONDITIONS | POSSIBLE CAUSE | CORRECTION |
|--|--|---|
| MOTOR RUNS IN ONLY ONE DIRECTION | <p>Defective solenoid or stuck solenoid. (Wireless remote only)</p> <p>Defective remote control or low battery in transmitter. (Wireless remote only)</p> <p>Defective Rocker Switch (Rocker switch only)</p> | <p>Jar solenoid assembly to free contacts. Check each solenoid by applying +12 volts to coil terminal (it should make an audible click when energized).</p> <p>Check winch operation with auxilliary toggle switch. Check battery in transmitter.</p> <p>Replace Rocker switch.</p> |
| MOTOR RUNS EXTREMELY HOT | Long period of operation | Cooling-off periods are essential to prevent overheating. |
| MOTOR RUNS, BUT WITH INSUFFICIENT POWER OR WITH LOW LINE SPEED | <p>Insufficient battery</p> <p>Bad connection</p> <p>Insufficient charging system</p> | <p>Test for faulty vehicle battery.</p> <p>Check battery cable for corrosion; clean and grease Replace with larger capacity charging system.</p> |
| MOTOR RUNS, BUT DRUM DOES NOT TURN | Clutch not engaged | If clutch engaged but symptoms still exist, it will be necessary to disassemble winch to determine cause and repair. |
| MOTOR WILL NOT OPERATE | <p>Defective solenoid or stuck solenoid.</p> <p>Defective remote control or low battery in transmitter. (Wireless remote only)</p> <p>Defective Rocker switch. (Rocker switch only)</p> <p>Defective motor</p> <p>Loose connections.</p> | <p>Jar solenoid assembly to free contacts. Check solenoid by applying 12 volts to coil terminal (it should make an audible click when energized).</p> <p>Check winch operation with auxilliary toggle switch. Check transmitter battery.</p> <p>Replace Rocker switch.</p> <p>If solenoids operate, check for voltage at armature post; replace motor.</p> <p>Check all electrical connections from the battery to the motor.</p> |
| MOTOR WATER DAMAGED | Submerged in water or water from high pressure car wash | Allow to drain and dry thoroughly, then Run motor without a load in short bursts to dry windings. |
| WINCH RUNS IN OPPOSITE DIRECTION OF TRANSMITTER BUTTONS | <p>Motor leads crossed.</p> <p>Solenoid control wires crossed.</p> | <p>Reverse electrical connections to motor.</p> <p>Reverse position of green and yellow wires on solenoid assembly.</p> |

Wireless Remote Control Installation and Operation

If your winch includes a Wireless Remote Control, refer to pages 2-4 of Installation Instructions for instructions for installing the solenoid, receiver, antenna, and toggle switch. Install the Wireless Remote Control before installing the Rocker Switch.

Refer to page 6 of Wireless Remote Control Installation Instructions for remote operation notes.

CAUTION: WHEN THE TRANSMITTER REACHES A TEMPERATURE BELOW 0°F (-18°C) IT WILL NOT OPERATE. IN EXTREMELY COLD TEMPERATURES, KEEP TRANSMITTER IN A POCKET OF INNERMOST LAYER OF CLOTHING WHEN NOT IN USE.

The transmitter has push buttons labeled according to their function. Make sure the motor has stopped fully before reversing to prevent premature solenoid failure. To operate the winch hold "ON/OFF" button for 2 seconds to activate the "IN" and "OUT" functions. Run winch forward and reverse to check connection and to verify winch operating directions. The transmitter is clearly labeled and a red LED flashes when the winch is in operation. Pushing both buttons at the same time will not damage your winch in any way.

Press and hold the "ON/OFF" button on the transmitter to disable the transmitter when winch is not in use. This will prolong the battery life of the transmitter. The transmitter automatically turns off after 20 minutes.



Rocker Switch Operation

Press Rocker Switch toward "IN" position to spool cable "IN" and press Rocker Switch toward "OUT" position to spool cable "OUT".

See the following pages for installation of the Rocker Switch. If your winch includes the Wireless Remote, install it first, then the Rocker Switch.

Rocker Switch Installation

Before Beginning Installation

1. **Disconnect negative (-) battery cable from battery. Turn off vehicle ignition. Disengage winch clutch.**
2. Remove hood or cowl as necessary for easier access to installation area.
3. Locate and mark mounting location for Solenoid Assembly. Choose a mounting location that will remain protected and dry. Solenoid must be mounted within 24" of winch motor. Solenoid should be mounted on a flat surface.
4. Locate accessory wire from vehicle ignition switch that is powered only when ignition is ON. Use this wire when splicing to Red wire on Rocker switch.
5. Make sure locations are close enough for wiring connections to be made without making alterations to wire lengths.

CAUTION: DO NOT CONNECT NEGATIVE BATTERY CABLE OR ENGAGE CLUTCH UNTIL INSTALLATION IS COMPLETE. WINCH COULD BEGIN SPOOLING CABLE UNEXPECTEDLY CAUSING INJURY OR DAMAGE TO WINCH.

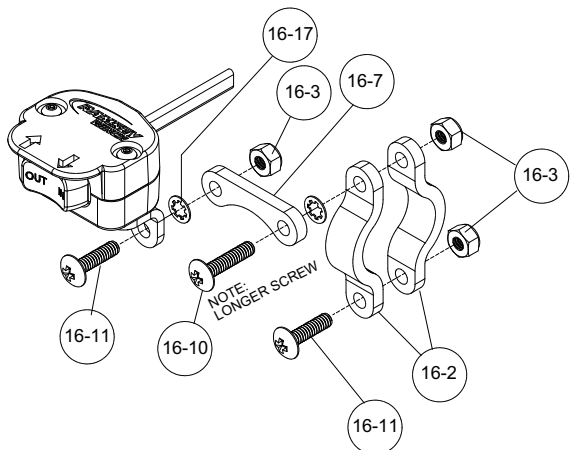
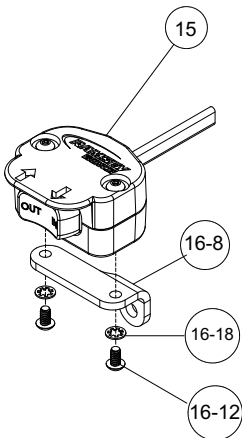
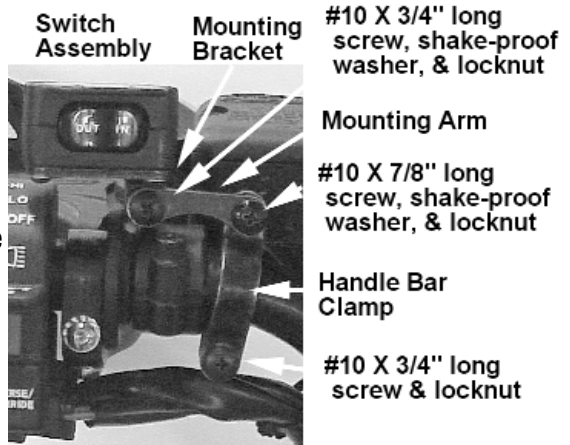
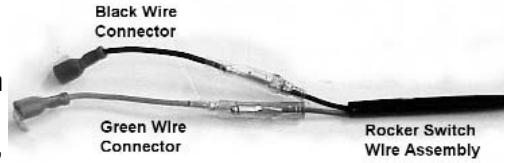
Installing the Solenoid (If installing Wireless Remote, install solenoid according to instructions in Wireless Remote Installation Instructions)

1. Either use Solenoid Assembly as a guide to mark and drill (2) 7/32" holes in location determined for solenoid or use Tube clamps (item #16-15) to mount it.
2. Use (2) 3/4" long #10 screws (item #16-11), (2) #10 flat washers (item #16-16), and (2) #10 zinc locknuts (item #16-4) to mount solenoid. Tighten to 60 in-lbs (7 Nm) torque.

Installing the Rocker Switch

For clarification, see wiring schematic on pages 8-9.

1. Install green Wire Connector (item #16-20) to green wire on Rocker Switch (item #12) and black Wire Connector (item #16-19) to black wire on Rocker Switch, as shown at right.
2. The Rocker Switch assembly (item #2) will be assembled with the two halves of the housing already attached. Install the Mounting Bracket (item #16-8) using (2) #6 screws (item #16-12) and shake-proof washers (item #16-18). See figure below. Tighten securely. Do not overtighten.
3. Install (2) Handle Bar Clamps (item #16-2) around ATV handle bars at a convenient location. Use a 3/4" long #10 screw (item #16-11) and #10 locknut (item #16-3) to secure them. See figure below and at right. Secure loosely, do not tighten.



4. Install the Mounting Arm (item #16-7) to the Handle Bar Clamps using a 7/8" long #10 screw (item #16-10), shake-proof washer (item #16-17), and locknut (item #16-3). Install the shake-proof washer between the handle bar clamps and the mounting arm. Do not tighten.
 5. Install the Mounting Bracket (with rocker switch attached) to the Mounting Arm Bracket using a 3/4" long #10 screw, shake-proof washer, and locknut. Install the shake-proof washer between the mounting arm bracket and the mounting bracket.
 6. Tighten all screws for the handle bar clamps and mounting brackets securely, positioning the rocker switch as desired.
 7. Route the Rocker Switch wire down the handle bars to where the solenoid is mounted. Turn the handle bars fully right and left to ensure enough slack in the wire. Make sure wire is not drawn taut across any surface that could damage it. Use cable ties to anchor wire. Do not connect wires to solenoid yet.
 8. Push ATV Accessory wire and red wire from switch into plastic splice (item #16-21). Fold splice clip over itself and snap closed.
2. Connect Black Motor Lead between #2 terminal on motor and C terminal on solenoid. Connect Black w/Yellow Stripe Motor Lead between #1 terminal on motor and B terminal on solenoid.
 3. Connect Black Battery Lead to "E" terminal on Solenoid and route to negative (-) vehicle battery terminal **but do not connect**.
 4. Plug black wire from switch into right terminal (terminal above black with yellow stripe motor lead). Plug Green wire from switch into left terminal (terminal above black motor lead). If the Wireless Remote is installed, unplug the wires from the solenoid, connect the switch wires, then plug the wires from the wiring harness into the "piggyback" connectors above the switch wires.

Finish Installation

1. Confirm that winch clutch is disengaged.
2. Connect negative (-) battery cable to vehicle battery. Connect Black Battery Lead from winch to negative (-) vehicle battery terminal.
3. With ignition switch OFF, press Rocker switch to "OUT"—winch should not operate. If the winch does operate with the ignition off, confirm that proper accessory wire from ignition was spliced.
4. Spool a few feet of cable out by hand. Engage winch clutch. Turn ignition switch ON and press Rocker switch to "OUT"—winch should spool cable out. If winch does not operate with ignition on, check wiring against the schematic on pages 8-9.
5. If winch spools cable IN instead of OUT, turn off ignition and reverse black and green wires on solenoid.

Connect Wiring to Solenoid

CAUTION: TIGHTEN NUTS ON TERMINAL STUDS TO 35-40 IN.-LBS. (3-4 Nm) TORQUE. Do NOT OVER-TIGHTEN.

For clarification, see wiring schematics on pages 8-9. If installing the Wireless Remote Control, install the solenoid according to the instructions in the Wireless Remote Control Installation Instructions.

1. Connect Red Battery Lead between "A" terminal on Solenoid and positive (+) vehicle battery terminal.

Warranty Information

If you have any problems with your winch or wireless remote, please contact Tamarack at the below phone or web address to file and process a claim and receive assistance.

Limited Lifetime Warranty

Tamarack Winches and Wireless Remotes are designed and built to exacting specifications by Ramsey Winch Company.

This winch offers a limited lifetime warranty against manufacturing defects in workmanship and materials on all manufactured components.

The wireless remote carries a limited 1-year warranty.

New rope assemblies are warranted against defects in workmanship and materials. No warranty applies after initial use.

This warranty is void if winch is used in industrial applications.

Electrical components consisting of motors, solenoids, wiring, wire connectors, and associated parts carry a limited 1-year warranty

The obligation under this warranty, statutory or otherwise, is limited to the replacement or repair at the manufactures factory, or at a point designated by the manufacturer, of such part as shall appear to the manufacturer, upon inspection of such part, to have been defective in material or workmanship. This Warranty does not obligate Tamarack ATV Accessories, or Ramsey Winch Company to bear the cost of transportation charges in connection with the replacement or repair of defective parts, nor shall it apply to a product upon which repairs or alterations have been made, unless authorized by the manufacturer, or for equipment misused, neglected, or improperly installed.

Important Notice: To the fullest extent permitted by applicable law, the following are hereby excluded and disclaimed: 1. All warranties of fitness for a particular purpose; 2. All warranties of merchantability; 3. All claims for consequential or incidental damages, There are no warranties that extend beyond the description that appears on the face hereof.

Some states do not allow the above exclusions or disclaimers in consumer transactions and as such this disclaimer/exclusion may not apply to your particular case.

To the extent such warranties of fitness for a particular purpose or merchantability are deemed to apply to this product they exist only for so long as the express limited warranty elsewhere set forth is in existence.

Tamarack ATV Accessories and La Boite, Inc. makes no warranty in respect to accessories, same being subject to the warranties of their respective manufacturers.

Tamarack ATV Accessories and La Boite, Inc. whose policy is one of continuous product improvement, reserves the right to improve any product through changes in design or materials as it may deem desirable without being obligated to incorporate such changes in products of previous manufacture.

If field service at the request of the buyer is rendered and the fault is found not to be with Tamarack ATV Accessories's product, the buyer shall pay the time and expense of the field representative. Bills for service, labor or other expenses which have been incurred by the buyer without express approval or authorization by Tamarack ATV Accessories and La Boite Inc. will not be accepted.

This Warranty give you specific legal rights and you may also have other legal rights which vary from state to state.



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