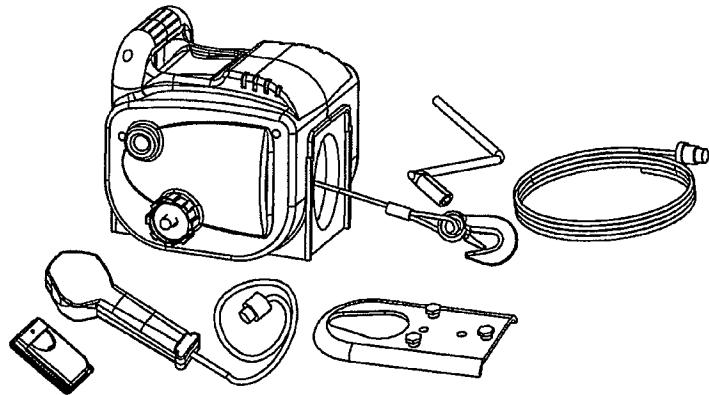


**Operators Manual**  
**Wireless Remote Control**  
**Electric Winch**  
**Rated Line Pull 1,200 lbs**

**Model No. I-9601WR**

- **Safety**
- **Assembly**
- **Operation**
- **Maintenance**
- **Parts**



**CAUTION :** Before using this product, read this manual and follow all its Safety and Operating.

**Printed in China**

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## WARRANTY

One Year Full Warranty on Wireless Remote Control Electric Winch

If within one year from date of purchase, this Wireless Remote Control Electric Winch fails due to a defect in material or workmanship, return it to the nearest store will replace it, free of charge.

If this Wireless Remote Control Electric Winch is used for commercial or rental purposes, this warranty will apply for only 30 days from date of purchase.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## SAFETY INSTRUCTIONS

For your safety, read, understand, and follow the information provided with and on this winch.

- The owner and operator of this equipment shall have an understanding of this winch and safe operating procedures before attempting to use.
- The owner and operator shall be aware that use and repair of this product may require special skills and knowledge. If any doubt exists as to the safe and proper use of this winch, remove from service immediately.
- **Inspect winch and cable before each use.** Do not use if broken, bent, cracked or damaged parts are noted. Winch that appears damaged in any way, or operates abnormally shall be removed from service immediately.
- If the winch has been or suspected to have been subjected to a shock load (a dynamic load unexpectedly), immediately discontinue use until the winch has been checked by qualified personnel.
- Labels and Owner's Manual are available from store (see Replacement Parts, Page 10).

## ! WARNING

- Read, understand and follow all printed materials provided with and on this device before use.
- Never exceed rated capacity. This winch is a pulling device only.
- Never use winch as a lifting or support device.
- Wear protective gloves when handling cable.
- Secure a heavy blanket or jacket on cable 3ft behind cable hook when winching to lessen the severity of a cable break (see Fig. 6).
- When not in use, disconnect winch power from battery.
- Do not alter or modify this device. Use only those parts, accessories and adapters provided by the manufacturer. Always connect the provided breaker to power cord.
- Never use this product to lift, support, move or position persons, animals, flammable and/or hazardous materials.
- Never use emergency hand crank to assist a power winch or to spool cable out.
- Failure to heed these instructions may result in personal injury and/ or property damage.

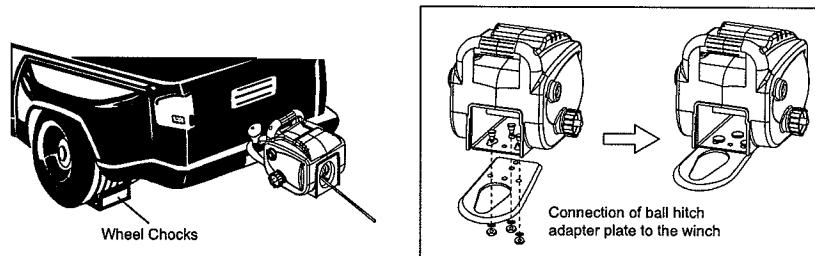
## SAVE THESE INSTRUCTIONS

## PRODUCT DESCRIPTION

This electric winch is designed for wired and wireless remote control features. It is engineered for intermittent use in moving and positioning loads along a horizontal plane. Do not operate more than 8 minutes continuously or you might burn out the motor.

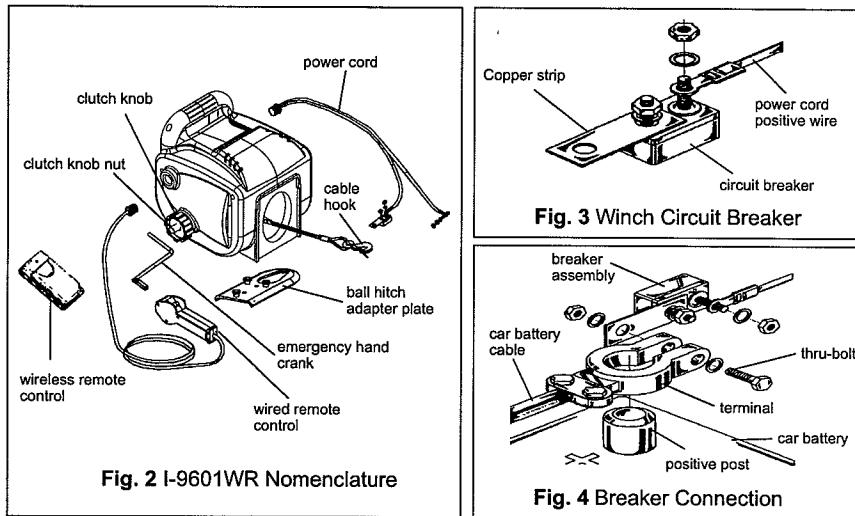
The winch is particularly useful in pulling rolling or buoyant loads (loading vehicles or boats onto a trailer). It can also be used as an aid in positioning loads around the farm or home which are too heavy to position by hand and in situations where an undamaged conveyance has simply lost traction in snow or wet landscape conditions.

This winch is not designed to move or position a conveyance which is damaged or that cannot be rolled easily. For example, a vehicle with a broken tie rod, locked axle or brake, etc. would quickly overpower the winch and such use should not be attempted. Although a 4800lbs boat can easily be winched onto a completely submerged trailer, it should never be attempted if any portion of the loading platform is out of the water. This tool should never be used to secure or hold a load. **Fig. 1** shows one of the correct typical examples.



**Fig. 1** For the host vehicle or conveyance:

Chock the wheels, set emergency brake and put transmission in neutral before operating winch.

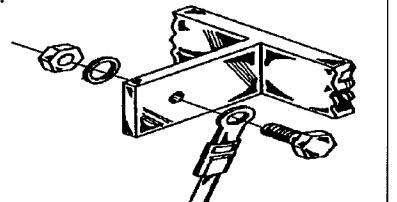


## ASSEMBLY

1. Hang the ball hitch adapter plate (see Fig. 2) onto your vehicle's hitch ball, with studs pointing upward. Align the three studs of adapter plate with corresponding holes in your winch base; slide forward to lock winch into place.
2. Inspect winch before each use. Ensure the battery used to power the winch (often a car battery) is fully charged.
3. Position fully charged battery in a location within reach of the winch power cord provided.
4. The winch circuit breaker should come pre-connected (but un-tightened) to the positive (red) wire of winch power cord. Ensure connection is tight before use (see Fig. 3).
5. Connect copper strip attached to the circuit breaker to the positive battery terminal thru-bolt. Never connect power cord to battery without circuit breaker. You must use a battery that will connect to the circuit breaker (see Fig. 4).

**NOTE:** Ensure that the circuit breaker, its connections, and copper strip have adequate clearance from any grounded (-) component of your vehicle and battery.

6. Attach the negative (black) wire to the negative battery terminal thru-bolt. If you are using car battery, simply connect the black wire to an already grounded component (see Fig. 5). Such as vehicle frame, bumper etc.
7. Plug the power cord into the receptacle found on the opposite side of the winch housing from the clutch knob.
8. The winch is now ready for wireless or wired remote control operation. For wired remote control, plug the remote control cord into the winch housing. The remote control receptacle is recessed and found on the same side of housing as the clutch knob.



**Fig. 5 Vehicle frame connection**

## OPERATION

The electrical power on this model will only pull the cable in.

1. To pull winch cable from cable spool, you must first loosen clutch knob nut and clutch knob by turning both counterclockwise.
- Note:** Do not pull out cable completely. Always leave at least 3 full turns of cable on the cable spool to help prevent damaging the winch.
2. Pull the winch cable to the load.
3. Attach the safety hook to the load. Do not hook cable to itself (see Fig. 6).
4. Fully tighten clutch knob and clutch knob nut.
5. Secure a heavy blanket or jacket on cable 3ft behind cable hook when winching to lessen the severity of a possible cable break.
6. Apply firm, steady pressure to the remote control button to take up any slack in cable then release pressure on the button and check your setup. If satisfactory, press the remote control button until load is completely moved to desired position.
7. Secure the load with appropriate means when load has moved to desired position. Once load is secure, turn the clutch knob counter-clockwise to release tension on the cable. Pull cable out enough to remove safety hook.
8. For spooling cable, turn clutch knob clockwise, and apply firm and steady pressure on remote control button. Making sure your hands are protected with suitable gloves or heavy rag material, use one protected hand to guide the cable as it goes onto spool. Spool cable until approximately 4 inches of cable (plus safety hook) remains.
9. Remove winch from your vehicle ball hitch.

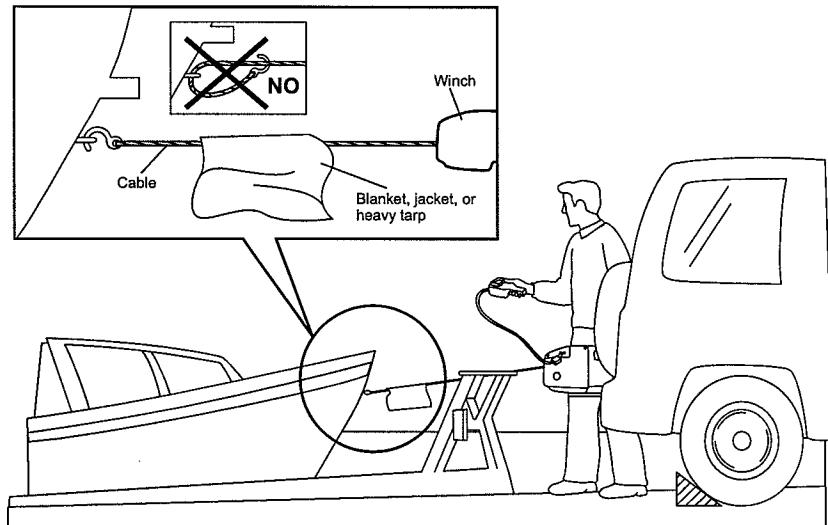
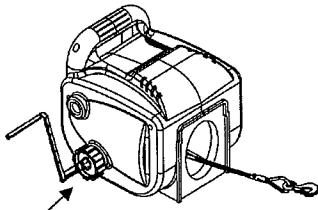


Fig. 6 Attach the safety hook to the load.

## EMERGENCY HANDCRANK

**Note:** Never use the emergency hand crank to assist an operating winch motor. Never use to spool cable out. This can result in injury and/or property damage. It is designed for use only as a means to spool cable in when adequate 12volt DC power is not available.

1. Disconnect power cord from battery. Connect load as instructed in the previous operation section.
2. Make sure that clutch knob and nut are fully tightened. Insert crank socket onto clutch knob shaft. (see Fig. 7)
3. Use hand crank to spool cable in. Stop spooling when 4 inches of cable remains.
4. Remove emergency hand crank when done.



**Fig. 7** Emergency hand crank is placed on clutch knob shaft, with clutch fully tightened.

## WINCH SPECIFICATIONS

Model:	I-9601WR
* Rated Line Pull:	1,200 lbs.
** Rated Rolling Load:	6000 lbs.
Wire Cable Size / Drum Capacity:	3/16" X 30 ft
Duty Cycle (feet of cable powered/minutes of non-use):	20 ft./20min.

\* Rated capacity is based on fully extended cable with at least 4 turns of cable on drum. Capacity is decreased by 50% with each layer spooled onto drum. Rated capacity is not attainable when cable spool has more than 1 layer of cable on it.

\*\* Based on a smooth, level, relatively frictionless rolling surface.

## WIRELESS REMOTE CONTROL

FCC ID: SYQI9601WR0105

MADE IN CHINA

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### FEATURES

The wireless remote control is weatherproof by rubber seal ring around the parting and button. It operates on a transmitted radio frequency 315Hz. The Radio Receiver is built inside the winch. The normal operating range is 40 feet. However, operating range of wireless remote control can vary from one location to another due to:

1. The weather conditions and terrain, particularly in heavy forest or mountainous terrain.
2. The condition of wireless remote control battery. New or full batteries will have the maximum operating range.
3. Interference frequency signals generated by lighting, cell phone, TV signal etc. Open area will have better transmission range.

### INSTALL/REPLACE THE BATTERY

One DC12V 38mAh battery is included for the wireless remote control (For best performance, alkaline batteries are recommended). To install/replace battery:

1. Remove all six screws from back of housing as shown on **Fig. 8**.
2. Do not take out the seal ring around the edge of top housing. Keep it in place.
3. Replace the DC12V 38mAh battery in correct orientation and make sure of good contact with the terminal (**see Fig. 9**).
4. To test the wireless remote control, unplug the winch power cord; slide the front plate downward and push the RED button on the front cover. The LED should light.
5. Reinstall the back housing and tighten the screws.

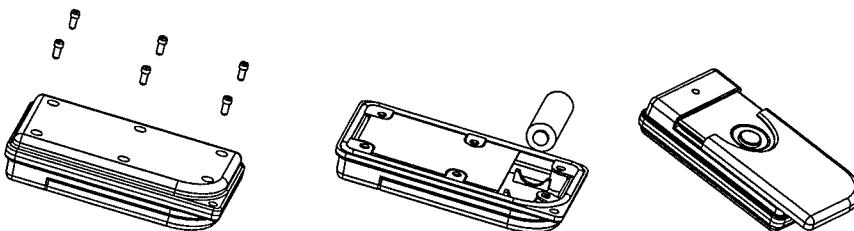


Fig. 8

Fig. 9

Fig. 10

## OPERATION

1. For safety reasons, steel cable is retracted only when the red button on wireless remote control is being pressed. Button is covered by a sliding lid to prevent unintentional operation. To operate the winch, slide the lid downward and push the RED button. See **Fig. 10**. Press and hold the RED button for continuous operation. Winch will stop retracting once button is not pressed.
2. RED LED on indicates transmitter is operating.

## CAUTION

1. Only wireless remote control transmitter is equipped with weatherproof feature. Even so, do not submerge in water for too long. Keep the winch and all other accessories away from water all the time.
2. Wireless remote control battery will drain power quickly if it operates continuously. To have the best wireless remote control range, it is recommended to operate the wireless remote control within steel cable length (i.e. around 30 feet).
3. The same radio receiver frequency will apply to every winch of this model number. Do not operate more than one same model winch within transmission vicinity. The transmitted frequency from wireless remote control will affect all winches within transmission range.

## MAINTENANCE

The owner and/or the operator shall be aware that repair of the winch requires specialized knowledge and facilities. It is recommended to have an annual inspection of the winch done by a local service center and that any defective parts be replaced with only manufacturer's provided parts (except for the battery in wireless remote control).

1. Lubricate the cable occasionally, or more often when used frequently.
2. Grease gears every six months. To do this, remove the clutch knob and separate the left and right housing. Apply any marine type grease.

## TROUBLESHOOTING

Symptom	Possible Cause	Remedy
Winch doesn't operate	Breaker open due to overload	Check for and remedy overload condition. Try again after 30 seconds.
	Power supply disconnected	Reconnect power supply
	Battery connections loose	Check for broken power supply wires, and repair as needed. Clean and tighten battery connections, including ground wire.
	Wireless remote control low voltage	Replace wireless remote control battery
Rapid chattering or clicking sound	Low voltage	Recharge battery to full capacity
	Winch motor or solenoid damaged	Repair or replace winch.

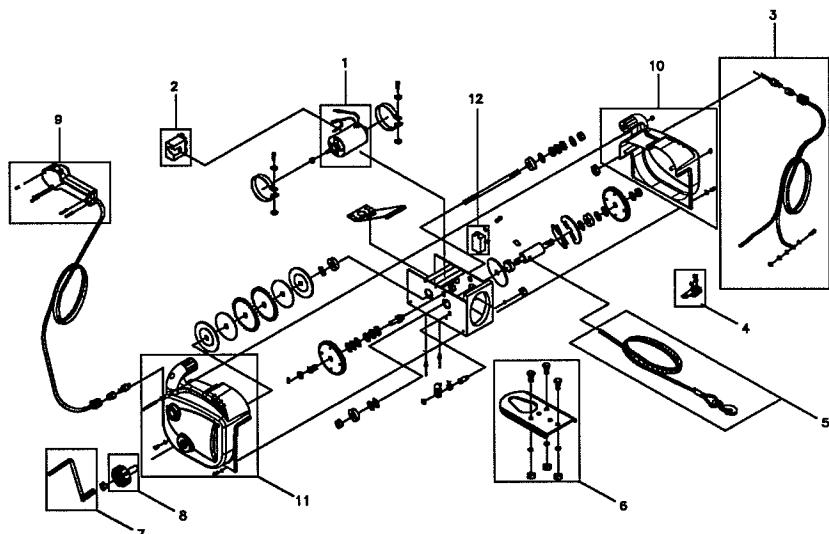
**Note:**

1. Modifications not authorized by manufacturer may void users authority to operate this device.
2. This equipment has been tested and found to comply with the limits for a Class B digit device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

## PARTS

Not all components of the winch are replacement items, but are illustrated as a convenient reference of location and position in the assembly sequence. When ordering parts, give model number, serial number and description below.

<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
01	Motor assembly	1
02	Solenoid	1
03	Power cord	1
04	Circuit breaker assembly	1
05	Cable assembly	1
06	Adapter plate	1
07	Emergency hand crank	1
08	Clutch knob	1
09	Remote control	1
10	Left housing	1
11	Right housing	1
12	Wireless control receiver	1
13	Labels and owner's manual	1



**Fig. 11** Replacement Parts Illustration for Model I-9601WR