

**Connector**  
Connect to the side of the electric winch control box and insert the winch control box.

**Ergonomic Grip**

**IN button**

**OUT button**

Warning! Observe safety precautions for personal safety and the safety of others. Improper equipment operation may cause personal injury and equipment damage. Read the following carefully before attempting to operate your winch and keep the instructions for future reference.

- 1. Dress properly:**  
-Don't wear loose clothing or jewellery. They can be caught in moving parts. Wear leather gloves when handling winch cable. Do not handle cable with bare hands as broken wires can cause injuries.  
-Non-slip footwear is recommended.
- 2. Keep a safe distance:**  
-Ensure that all persons stand well clear of winch cable and avoid during winch operation, 1.5times the cable length recommended.  
-If a cable pulls loose or breaks under load, it can lashback and cause serious personal injury or death. Don't step over the cable. All visitors and onlookers should be kept away from the work area.  
-Keep proper footing and balance at all times.
- 3. Don't abuse the cord:**  
-Never carry your winch by the cord or yank it to disconnect it from the receptacle.  
-Keep cord from heat, oil and sharp edges.
- 4. Don't overwork the winch:**  
-If the motor becomes uncomfortably hot to touch, stop and let it cool for a few minutes.  
-Don't maintain power on the motor stalls.  
-Don't exceed maximum line pull ratings shown in tables. Shock loads must not exceed these ratings.
- 5. Avoid unintentional starting:**  
-Winch clutch should be disengaged when not in use and fully engaged when in use.
- 6. Check damaged parts:**  
-Before using, you should check your winch carefully. Any part that is damaged should be properly repaired or replaced by an authorized service centre.
- 7. Repair your winch:**  
-When repairing, use only identical replacement parts or it may cause considerable danger to the user.
- 8. Re-spool the cable:**  
-Leather gloves must be worn while re-spooling. To re-spool correctly, it is necessary to keep a slight load on the cable. Hold the cable between one hand and the remote control switch with the other. Start as far back and in the centre as you can. Walk up keeping load on the cable as the switch is powered in.  
-Do not allow the cable to slip through your hand and do not approach the winch too closely.  
-Turn off the winch and repeat the procedure until all the cable except 1m is in.  
-Disconnect the remote control switch and finish spooling cable by rotating the drum by hand with clutch disengaged.  
-On hidden winches, spool in cable under power but keep hands clear.

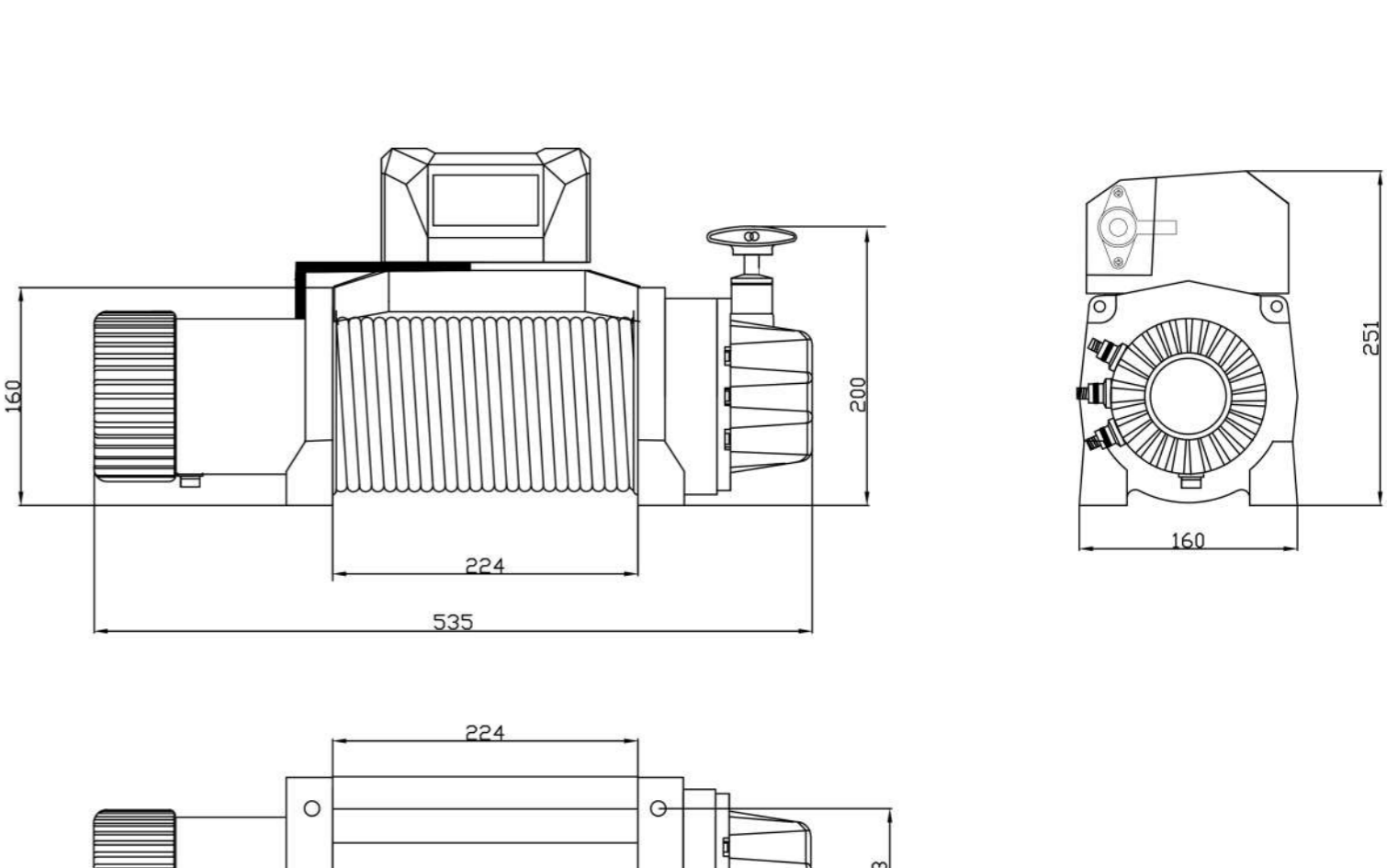
- The uneven spooling of cable, while pulling a load, is not a problem, unless there is a cable pile up on one end of the drum. If this happens reverse the winch to relieve the load and move your anchor point further to the centre of the vehicle. After the job is done, you may unspool and rewind for a neat lay of the cable.
- Store the remote control switch inside your vehicle where it will not become damaged, inspect it before you plug it in.
- When ready to begin spooling in, plug in remote control switch with clutch disengaged, 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. Stop the winching process every meter or so to assure the cable is not pulling up in one corner. Jamming the cable can break your winch.
- Do not attach tow hook to winch mounting plate, they must be attached to vehicle frame.
- The use of a snatch block will aid recovery operations by providing a doubling of the winch capacity and a halving of the winching speed, and the means to maintain a direct line pull of the centre of the rollers. When double loading during stationary winching, the winch hook should be attached to the chassis of the vehicle.
- Ensure rated "D" or bow shackles are used in conjunction with an approved tree trunk protector to provide a safe anchor point.
- When extending winch cable, ensure that at least five wraps of cable remain on drum at all times. Failure to do this could result in the cable parting from the drum under load. Serious personal injury or property damage may result.
- All winches are provided with a red cable marking to identify that 5 cable wraps remain on the winch drum when this mark appears at the rollers. No recovery should be attempted beyond this marking.
- 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; you must leave at least 5 wraps minimum on the drum—(red cable). It is not practical use a snatch block and double line arrangement.
- Draping a heavy blanket or similar object over the extended winch cable is recommended as it will dampen any back lash should a failure occur.
- Neat, tight spooling avoids cable binding, which is caused when a load is applied and the cable is pitched between the others. If this happens, alternatively power the winch in and out. Do not attempt to work a bound cable under load, free by hand.
- Apply blocks to wheels when vehicles are on an incline.

- 15. Battery:**  
-Be sure that the battery is in good condition. Avoid contact with battery acid or other contaminants.  
-Always wear eye protection when working around a battery.  
-Have the engine running when using the winch, to avoid flattening the battery.
- 16. Winch cable:**  
-Be sure that the cable is in good condition and is attached properly.  
-Do not use the winch if cable is frayed or broken.  
-Do not move the vehicle to pull a load.  
-Do not replace the cable with a cable of lesser strength.  
-The life of the cable is directly related to the use and care it receives. Following its first and subsequent uses, a cable must be wound on to the drum under a load of at least 5000lb (230kg) or the outer wraps will draw into the inner wraps and severely damage the cable during winching. The first winch use should be a familiarization run while in a relaxed, non-recovery situation. Spool out the cable until the red cable mark appears (about 5 wraps on the drum), then rewind the cable on to the drum under a load of 5000lb (230kg) or more. This will slightly tension and stretch the new cable and create a tight cable wrap around the drum. Failure to do so may result in cable damage and reduced cable life.  
-When the cable is replaced, be sure to apply locktie, or an equal compound, to the cable clamp thread. Tighten the clamp screw properly but do not over tighten. The locktie will prevent loosening of the screw in arduous conditions. Locktie 1471 primer and 222 thread locker are recommended.
- Do not attempt to exceed the pulling limits of this winch.
- Do not drive your vehicle to assist the winch in any way. Vehicle movement in combination with winch operation may overload the cable, the winch itself or cause damaging shock loads.
- Shock loads when winching are dangerous! A shock load occurs when an increase force is suddenly applied to the cable. A vehicle rolling back on a slack cable may induce a damaging shock load.
- The winches shown in this manual are solely for vehicle and boat mounted, non-industrial applications.
- Do not use winch in hoisting applications due to required hoist safety factors and features.
- Do not use the winch to lift, support or otherwise transport personnel.

**Introduction**  
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 and advance. You can hear your winch as well as you can 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 to you.

- Ensure the vehicle is secure by applying the parking brake or chocking the wheels.
- Pull out the winch cable the desired length and connect to an anchor point. The winch clutch allows rapid unspooling of the cable for hooking onto the load or anchor point. The shifter tab located on the gear housing of the winch operates the clutch as follows:  
a) To disengage the clutch, move the clutch shifter tab into the "OUT" position. Cable may not be free spooled off the drum.  
b) To engage the clutch, move the clutch shifter tab into the "IN" position. The winch is now ready for pulling.
- Check all cable rigging before proceeding.
- In the winch hand control, it is recommended that the winching operation takes place from the driver's position to ensure safe operation.
- To commence winching operation, start vehicle engine, select neutral in transmission, maintain engine speed at idle.
- Operate the remote control switch to IN or OUT until the vehicle has been retrieved. Regularly check the winch to ensure cable is winding onto the drum evenly.

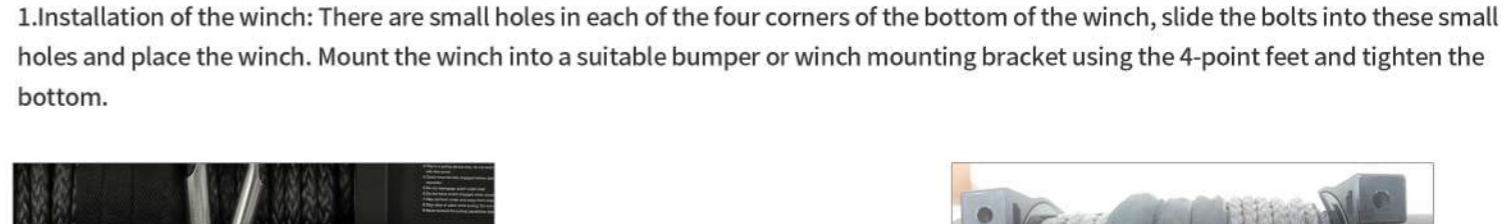
**Note:**  
1. Never winch your vehicle in gear or in part, which would damage your vehicle's transmission.  
2. Never wrap the cable around the object and hook onto the cable itself. This can cause damage to the object being pulled, and kink or fray the cable.  
3. Keep hands, clothing, hair and jewellery clear of the drum area and cable when winching.  
4. Never use the winch if the cable is frayed, kinked or damaged.  
5. Never allow anyone to stand near the cable, or in line with the cable behind the winch while it is under power. If the cable should slip back in, it can suddenly whip back towards the winch, causing a hazard for anyone in the area. Always stand well to the side while winching.  
6. Don't leave the switch plugged in when it is not in use.  
**CHECK THE WINCH CAREFULLY AND THOROUGHLY BEFORE OPERATING!**



Material No.	Desc	Quantity	Material No.	Desc	Quantity
01	SHCIN	1	23	The first set of steel gear	1
2	SHCIN	2	24	axle pin	1
23	Steel set roller sleeve	1	25	The second set of steel gear	1
4	brake pad	2	26	The third set of steel gear	1
5	brake	1	27	Shogun oil seal center wheel	1
6	lock lead screw	4	28	oil nutcase	1
7	lockless steel nutcase	4	29	Red cover	1
8	transmission shaft	1	30	lock lead screw	18
9	supportive shaft	2	31	slatcase nutcase	1
10	Pin lead screw	1	32	Spacer nut	4
11	cover	1	33	Flar nut	4
12	under ball screw	12	34	Drive motor	4
13	Elastic nutcase	28	35	Outlip the hexagonal screw	4
14	Steel nutcase	1	36	steel pin	1
15	SHCIN pin	2	37	lockwasher	1
16	lock nut	1	38	hook	1
17	brake bar brake rod	1	39	oil seal	1
18	lock shaft	1	40	the handle extender	1
19	supportive pin	1	41	wheeling plate	1
20	ball screw	1	42	lock lead screw	1
21	Outside cylinder	1	43	lock lead screw	1
22	SHCIN nut	1			



**Install the winch**  
1. Installation of the winch: There are small holes in each of the four corners of the bottom of the winch, slide the bolts into these small holes and place the winch. Mount the winch into a suitable bumper or winch mounting bracket using the 4-point feet and tighten the bottom.



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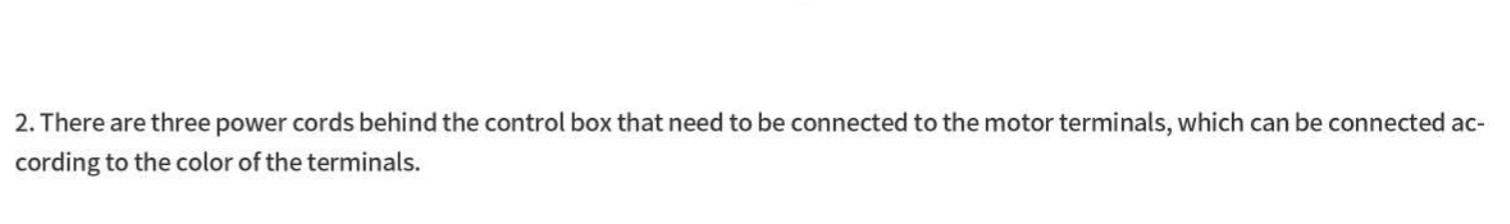


3. Install the rope guide: There are 2 rope guide installation screws in the package, which can directly fix the rope guide on the corresponding part of the bumper or the installation bracket.



Quickly install the winch in just three steps. If you need an installation video, you can scan the QR code below, or go to our official You Tube channel to search for "installation" to find the relevant installation video, or contact customer service to send the installation video.

**How to install the control box:**  
Please note that customers can request a return within 30 days of receiving the product. A 20% processing fee will be charged (which includes our packing fee and shipping charges for shipments to the customer), and the customer will also be responsible for shipping back to the warehouse.



5. There are three power cords behind the control box that need to be connected to the motor terminals, which can be connected according to the color of the terminals.



If you have any questions during installation, please feel free to contact customer service.



Scan and watch installation video

It is highly recommended that the winch be used regularly (once a month). Simply power the cable out 15m, free spool 5m and then power back in. This will keep all components in good working condition so that the winch can be relied on when needed. Contact your authorized dealer for technical assistance and repairs.

**TROUBLE SHOOTING**

symptom	Possible cause	Suggested remedy
Motor does not turn on	Safety switch is off	Turn safety switch to ON position
	Switch Assy not connected properly	Insert switch Assy firmly to the connector
	Loose battery cable	Tighten nuts on cable connectors
	Solenoid malfunctioning	Tap solenoid to free contact, applying 12/24 volts to coil terminal directly. Make an audible clicking when activating.
Motor runs too hot	Defective switch Assy	Replace switch Assy
	Defective motor	Check for voltage at armature port with switch pressed. If voltage is present, replace motor.
Motor runs slowly or without normal power	Water has entered motor	Drain and dry. Run in short bursts without load until completely dry.
	Long period of operation	Let winch cool down periodically.
Motor runs but cable drum does not turn	Battery runs down	Recharge battery by running vehicle.
	Insufficient current or voltage	Clean, tighten or replace the connector.
Motor runs but cable drum does not turn	Clutch not engaged	Tap clutch into IN position, if that does not work, as a qualified technician to check and repair.
	Defective or stuck solenoid	Tap solenoid to free contacts. Repair or replace solenoid.
Motor runs in one direction only	Defective or stuck solenoid	Tap solenoid to free contacts. Repair or replace solenoid.
	Defective switch Assy	Replace switch Assy

**Single line rated pull**  
Line pull (lbs/kg)      Line speed ft./min (m/min)      Current A

0	21 (36.5)	5	65
2000(909)	11.5 (3.5)		126
4000(1818)	9.4 (2.85)		175
6000(2727)	7.9 (2.4)		230
8000(3636)	6.5 (2.0)		280
10000(4545)	5.8 (1.75)		355
13000(5999)	4.1 (1.25)		415

**Line pull and rope capacity in layer**

Layer	Rated line pull (lbs/kg)	Total rope on drum ft (M)
1	13000 (5999)	17 (4.8)
2	11000 (4950)	41 (12.0)
3	8840(4018)	71(21.0)
4	7410(3368)	85(26.0)

**Winch:**  
The following are covered by the warranty:  
OPENROAD offers a three-year motor warranty and a permanent mechanical warranty from the date the package is delivered to the customer.

FIL, all defects caused by the winch itself, such as motor not working, remote control not working, clutch cracked, unable to start, etc., are covered under warranty. We will replace defective parts with functionally equivalent parts that are equivalent in performance and reliability to the original parts. However, please note that we currently do not have off-site repair shops, and you need to replace the parts yourself.

**Incluse:**  
① Remote control set    ② Clutch set    ③ Control box set  
Please note that your photo or test video is necessary for us to arrange replacement parts within the warranty period.

The following are not covered by the warranty:  
① Naturally damaged parts, such as winch rope.  
② The warranty does not cover damage caused by the customer himself, such as violence, modification, unauthorized repair and damage not carried out in accordance with the instructions in the user manual, damage caused by negligence, including long-term use, or damage caused by other abuse.  
③ OPENROAD does not support any transaction and resale of winches. Warranty applies to original purchaser only. Used is not covered under warranty.  
④ The warranty does not include re-sending a new winch, we only provide replacement of damaged parts.

**Other products:**  
Other products in this store are consumable and fragile products, and the warranty time is 30 days after arrival.

For reference only, all defects caused by the product itself, resulting in unsatisfactory, are covered by the warranty. But please note that the warranty time is 30 days after arrival, please check the product for defects within 30 days.

Please note that your photo is necessary for us to provide warranty service.

**return policy** Returns for quality problems:  
FREE RETURNS: Customer receives the item and rejects the package due to severe shipping damage (functionality affects usage), or contact customer service for missing and severely damaged parts or other quality-related issues. Our customer service team will help arrange a replacement, or return it for free.

\*In order for us to better understand the problem and solve it effectively, photos and/or video are needed as evidence.

\*Definition of severely damaged items: The main structure of the product is obviously and/or video are needed as evidence in any form.

**Note:** The following situations are considered normal and do not apply to the free return policy:  
A) The outer packaging is slightly damaged.  
B) There are slight scratches or paint peeling on the product.  
C) Damage to parts or consumables after over-use.  
D) Damage to parts or wearing parts after using for a certain period of time or a certain number of processes.

**Returns for non-quality problems:**  
Please note that customers can request a return within 30 days of receiving the product. A 20% processing fee will be charged (which includes our packing fee and shipping charges for shipments to the customer), and the customer will also be responsible for shipping back to the warehouse.

To be eligible for a return, the item must be unused, free from dirt, dust or any fragrance, and in the same packaging and condition as you received it.

Please note that returns are not accepted after 30 days.

**Refund Policy**  
Once the returned product has been returned to our warehouse and checked to confirm that it complies with our return conditions, we will deduct any applicable fees and send the remaining refund according to the customer's original payment method.

Customers are encouraged to check with their credit card company and/or bank if the refund has not been credited to the account two days after it was issued. Delays may occur due to different procedures for transferring funds from different financial institutions. If the customer has not received a refund after ten business days, please contact us at info@openroad4wd.com.

**cancel your order**  
Within 24 hours of ordering, you can request to cancel your order.

If you would like to cancel your order, please contact our customer support team via live chat on our webpage, or email info@openroad4wd.com with your order number and order email.

Orders will be refunded within 7 business days of receipt of your cancellation request.

PayPal only: If any order is cancelled before shipping, PayPal will charge an 8% processing fee if paid through PayPal (8% processing fee is charged by PayPal. OPENROAD does not charge any fee), and the customer can only get a portion of the total order price 92% refund.

