

Introduction

► Feature

Line pull:	2,268 kg / 5,000 lb wire rope first layer
Synthetic rope:	6.3 mm x 15.2 m (1/4" x 50')synthetic rope
Brake:	Mechanical and dynamic brakes hold full load
Clutch:	Raise the clutch level for rapid wire rope payout
Control:	Handheld pendant switch powers the winch

► Unpacking

· Integrated solenoid kit.....	1 pc
· Wireless transmitter.....	1 pc
· Synthetic rope with clevis hook.....	1 pc
· Hawse fairlead.....	1 pc
· 1.5 m battery leads.....	1 pc
· Circuit breaker.....	1 pc

► Read this manual carefully

You should carefully read and understand this manual before operating it. Careless winch operation may result in personal injury hazards or property damage.

► Information requesting or parts ordering

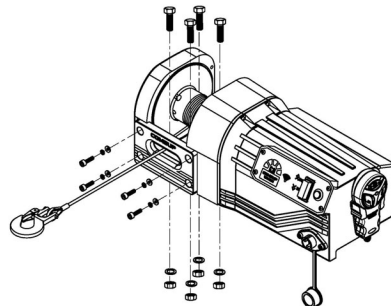
Please specify the followings information:

· Winch PN	· Part description
· Serial number	· Replacement part number
· Quantity for each part	

Installation

Before using the winch, make sure all electrical components have no corrosion or damaged; the environment should be clear and dry.

The voltage drop must not exceed 10% of the nominal voltage of 12V or 24V under normal operation condition.

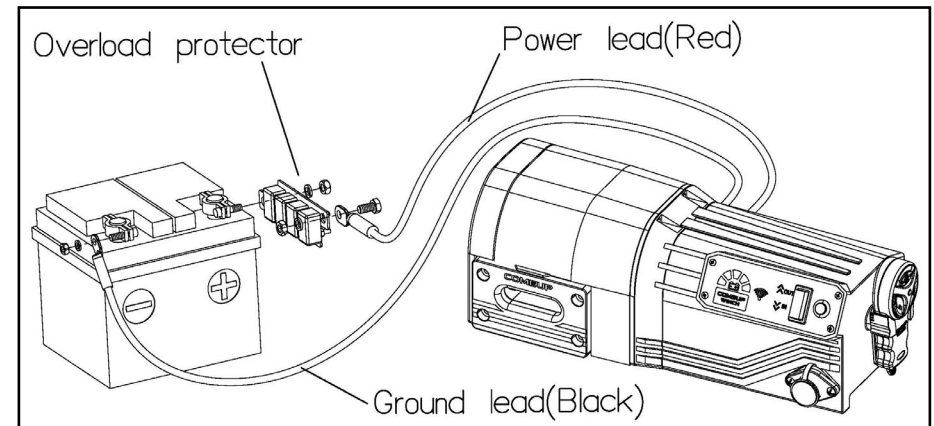


► Winch and roller fairlead mounting

- Use the mounting hardware supplied to mount the winch on a flat surface.
- The motor, drum and gear housing must be properly aligned.

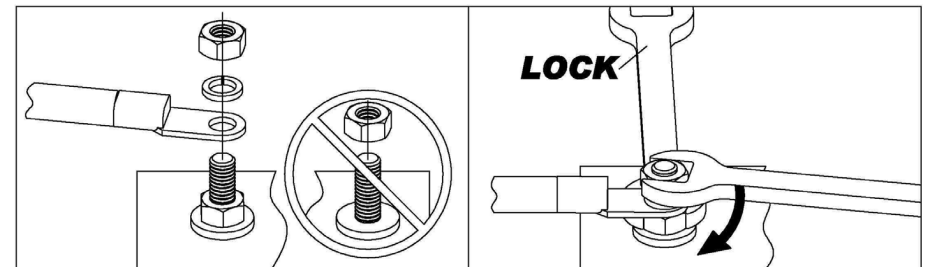
► Wiring Diagram

- Attach the ground lead firmly to the negative (–) battery terminal and power lead to the positive (+) battery terminal. The voltage drop for the winch motor must not exceed 10% of the nominal voltage of 12V DC.
- Attach the red lead, positive (+), tightly to the circuit breaker marked AUX, meanwhile, connect the copper plate to the other end of the circuit breaker marked BAT.
- Connect the copper plate to the connector of the battery.



► Nut fastening for motor & solenoid

1. Holding the lower nut on the stub and fastening the upper nut clockwise.
2. The torque setting for motor nut M6 is 5.7 N-m / 50 lb-in and solenoid nut M8 is 14 N-m / 124 lb-in.



Warning

- The winch is not intended to be used in any manner for the movement or lifting of personnel.
- The pulling capacity shown is based on the wire rope first layer on the drum.
- The rope winding on the drum shall remain 5 wraps from the drum.

Parts List

Item No.	Description	Part Number	Qty
1	Rear cover	883414	1
2	Remote socket kit	883498	1
3	Motor kit, 12V	883415	1
4	Brake kit	880280	1
5	Gear box kit	880281	1
6	Ring gear	880141	1
7	1 st stage carrier	880283	1
8	2 nd stage carrier	880284	1
9	3 rd stage carrier	883417	1
10	Drum kit	883418	1
11	Base plate kit	883419	1
12	Clutch kit	883420	1
13	Synthetic rope	883413	1
14	Hawse fairlead	883411	1
15	Mounting hardware	883421	1
16	Contactactor pack	883422	1
17	Circuit breaker kit, 180A	883412	1
18	Wireless transmitter kit	883905	1
19	Handsaver strap	880026	1
20	Clevis hook	881997	1
21	PC board kit	883423	1

Winch Assembly

