

### Introduction

#### ► Feature

Line pull:	2,722 kg / 6,000 lb wire rope first layer
Synthetic rope:	8 mm × 24.4 m (5/16" × 80') synthetic rope
Brake:	Patented cone brake holds full load
Clutch:	Turn the T-handle for rapid wire rope payout
Control:	Handheld pendant switch powers the winch

#### ► Unpacking

- Winch assembly..... 1 pc
- Control box w/ handle..... 1 pc
- Remote control..... 1 pc
- Synthetic rope with clevis hook..... 1 pc
- Hawse fairlead..... 1 pc
- 2" rear receiver w/quick connector wiring kit..... 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:

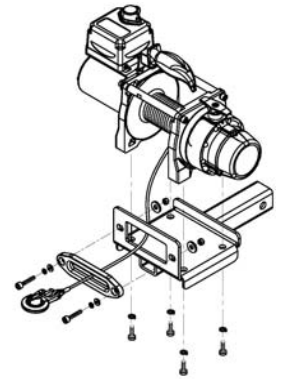
- Winch PN
- Part description
- Quantity for each part
- Serial number
- Replacement part number

### Installation

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

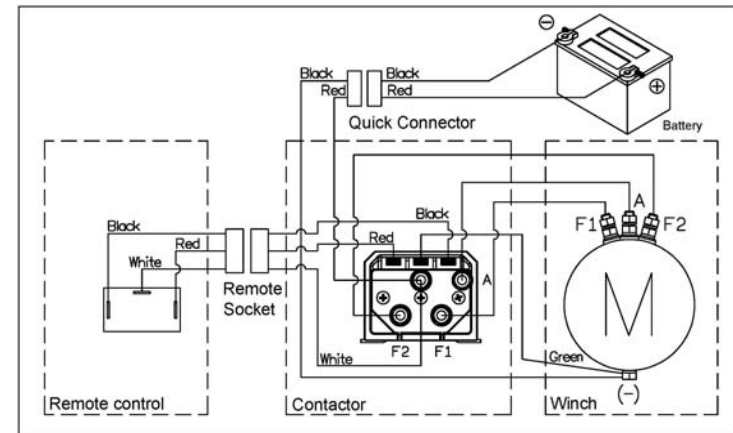
#### ► Winch and hawse fairlead mountings

- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Hawse fairlead does not mount to winch directly.
- The synthetic rope shall be wound in an under-wound orientation only.
- Four (4) M10 x 1.50 pitch 8.8 grade high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting.
- Two (2) M8 x 1.0 pitch 8.8 grade high tensile steel bolts must be used for fastening the hawse fairlead into the mounting channel.



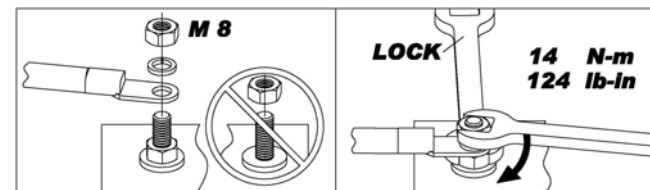
#### ► Wiring Diagram

Attach the black lead firmly to the negative (-) battery terminal and red lead to the positive (+) battery terminal. The voltage drop for the winch motor must not exceed 10% of the nominal voltage of 12 DC.



#### ► Nut fastening for motor & contactor

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



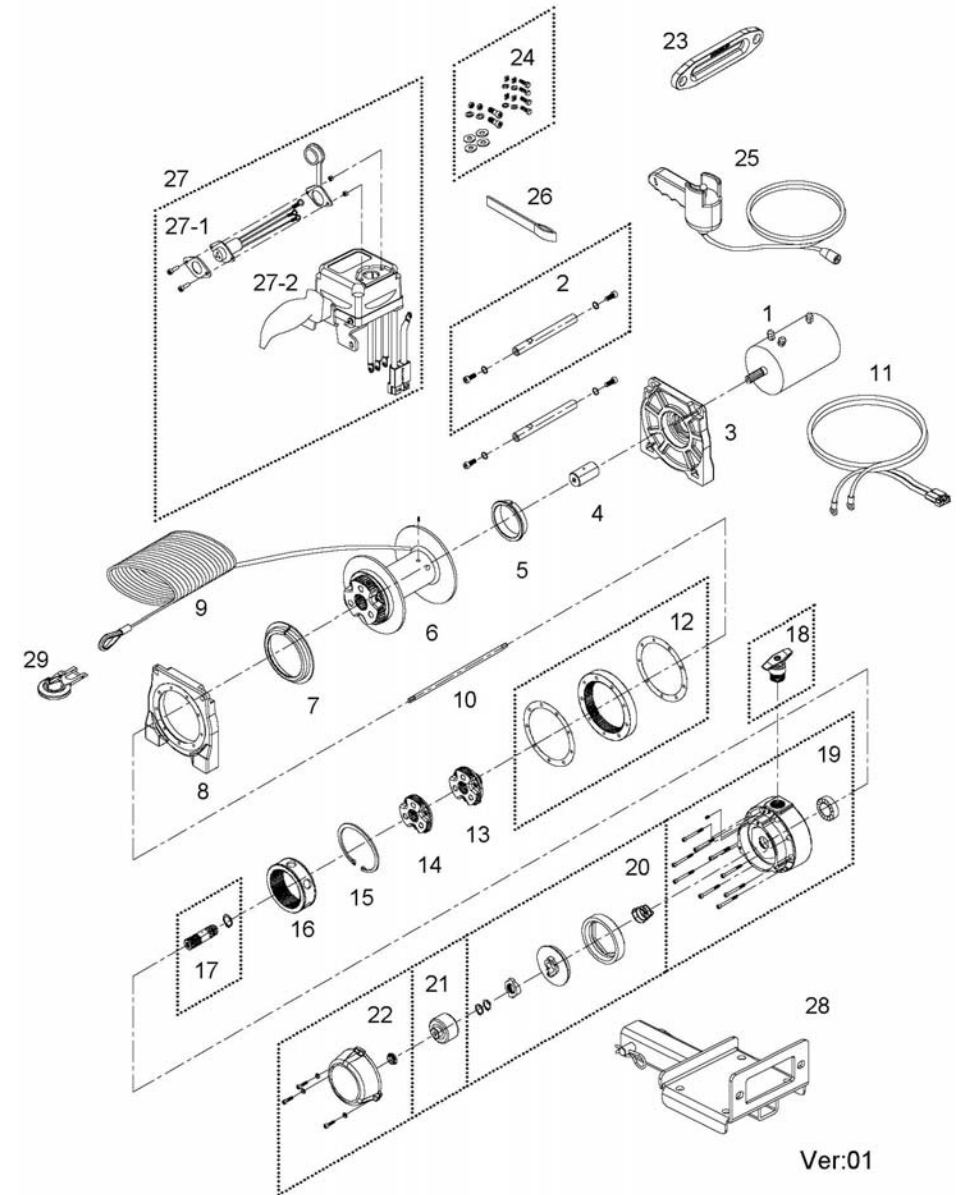
## Warning

- The winch is not intended to be used in any manner for the movement or lifting of personnel.
- The rated line pull shown is based on the first layer of rope on the drum.
- The rope winding on the drum shall remain 10 wraps from the drum.

## Parts List

Item No.	Description	Part No.	Qty
1	Motor 12V	881505	1
2	Tie bar kit	882256	2
3	Motor support rack	880077	1
4	Motor coupling	880078	1
5	Drum bushing	880006	1
6	Drum kit	880080	1
7	Drum bushing B	880081	1
8	Gearbox support rack	880082	1
9	Synthetic rope	883274	1
10	1 <sup>st</sup> shaft	880084	1
11	Power lead	882252	1
12	3 <sup>rd</sup> ring gear kit	880086	1
13	2 <sup>nd</sup> stage carrier	880087	1
14	1 <sup>st</sup> stage carrier	880088	1
15	Retaining ring	880089	1
16	1 <sup>st</sup> & 2 <sup>nd</sup> ring gear	880090	1
17	1 <sup>st</sup> pinion kit	880091	1
18	Clutch kit	880092	1
19	Gear box kit	880093	1
20	Cone brake disc kit	880094	1
21	Brake clutch base	881099	1
22	Brake cover kit	880095	1
23	Hawse fairlead	882152	1
24	Mounting hardware	882370	1
25	Remote control	880025	1
26	Handsaver strap	880026	1
27	Control box 12V	882242	1
27-1	Remote socket kit	880029	1
27-2	Control pack 12V	882243	1
28	2" rear receiver	883713	1
29	Clevis hook	881995	1

## Winch Assembly



Ver:01