

PN:

PN: 851824 24V DC

Introduction

► Feature

Line pull: 8,181 kg / 18,000 lb wire rope first layer

Wire rope: 12.7 mm × 25 m (1/2" × 82') 6 × 29 - IWRC

Brake: Propreitary cone brake holds full load

Clutch: T-Bar, lift and turn

Control: Handheld pendant switch

► Unpacking

- Winch assembly..... 1 pc
- Detachable control box..... 1 pc
- Remote control..... 1 pc
- Wire rope with clevis hook..... 1 pc
- Roller fairlead..... 1 pc
- 1.8 m (6') 2 gauge battery lead..... 1 pc

► Read this manual carefully

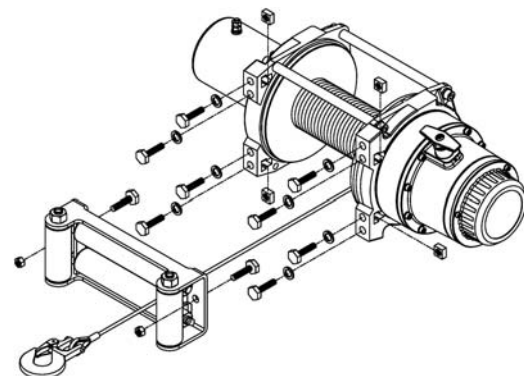
You should carefully read and understand this manual before operating the winch. Careless winch operation may result in personal injury, danger to others and or property damage.

Installation

Before using the winch, make sure all electrical components are in good condition and connections are sound.

► Winch and roller fairlead mountings

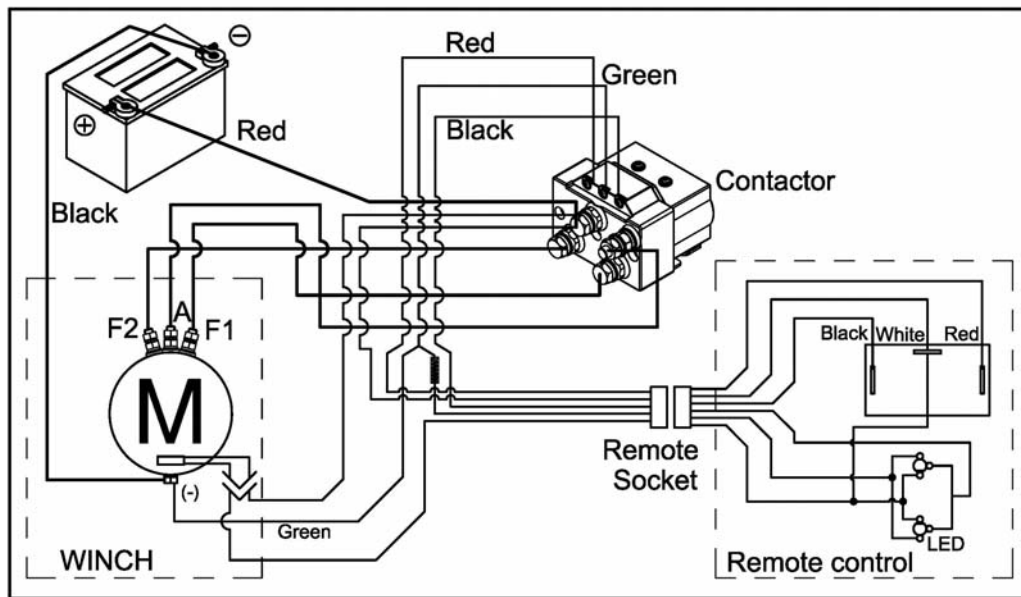
- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Roller Fairlead does not mount to the winch directly.



- The wire rope shall be wound in an under-wound orientation only.
- Eight (8) M12 x 1.75 pitch 8.8 grade high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting.
- Two (2) M12 x 1.75 pitch 8.8 grade high tensile steel bolts must be used for fastening the roller fairlead into the mounting channel.

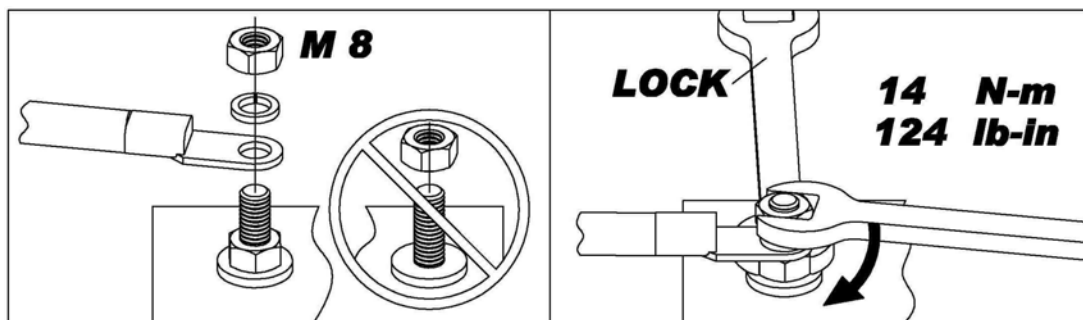
► Wiring Diagram

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 24vdc.



► Nut fastening for motor & contactor

1. Holding the lower nut on the stud, tighten the upper nut clockwise.
2. The torque setting for nut is 14 N-m/124 lb-in.



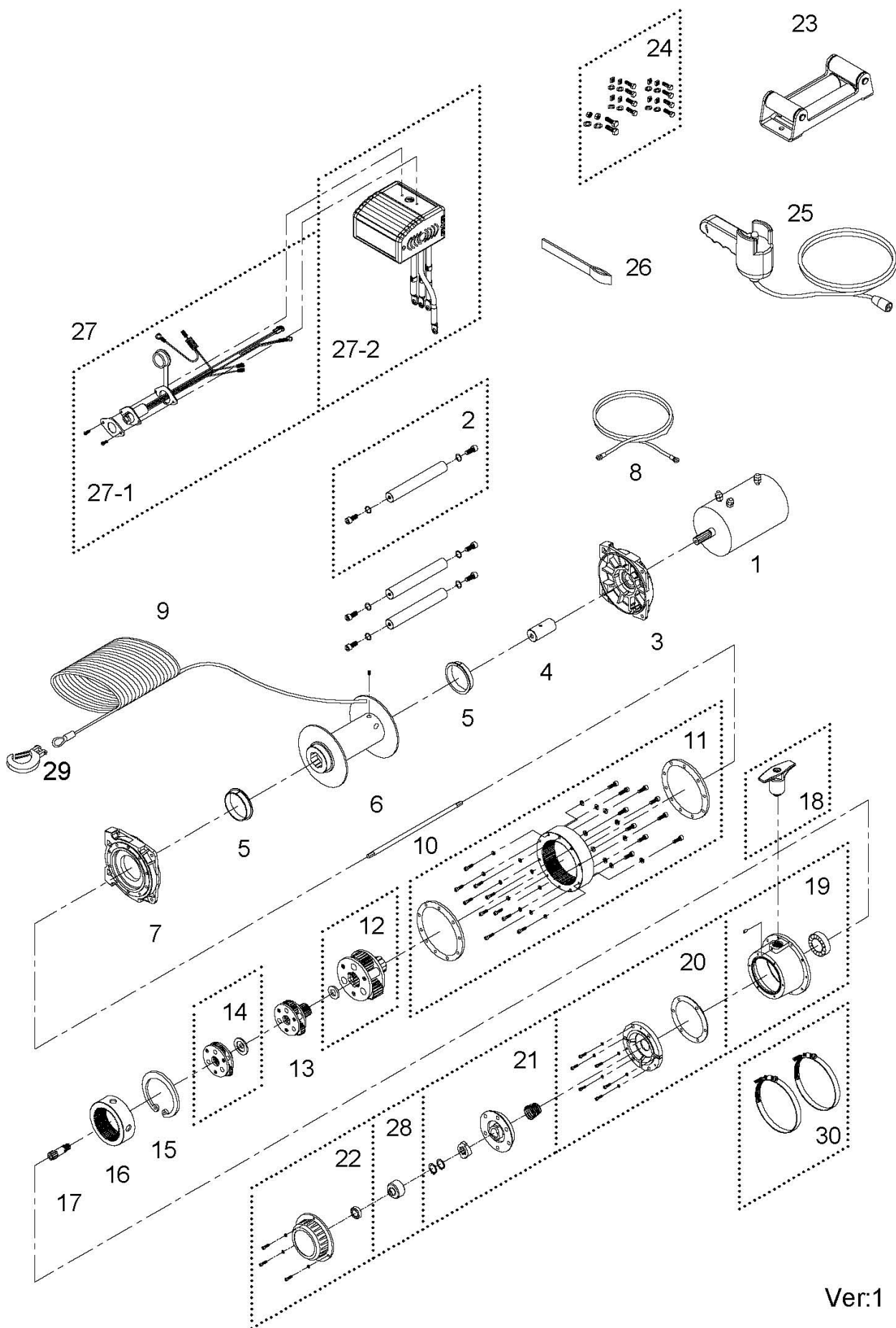
Warning

- The winch shall not be used for the transporting 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 5 wraps from the drum.

Parts List

Item No.	Description	Part No.	Qty
1	Motor 24V	881927	1
2	Tie bar kit	880045	3
3	Motor support rack	880046	1
4	Motor coupling	880047	1
5	Drum bushing	880048	2
6	Drum kit	881928	1
7	Gearbox support rack	880050	1
8	Grounding lead	880009	1
9	Wire rope	881929	1
10	1 st shaft	881930	1
11	3 rd ring gear kit	880054	1
12	3 rd stage carrier	881944	1
13	2 nd stage carrier	881943	1
14	1 st stage carrier	880107	1
15	Retaining ring	880058	1
16	1 st & 2 nd ring gear	880059	1
17	1 st pinion	880060	1
18	Clutch kit	880061	1
19	Gear box kit	880062	1
20	Brake base	880063	1
21	Cone brake disc kit	880021	1
22	Brake cover kit	880065	1
23	Roller fairlead	880066	1
24	Mounting hardware	880067	1
25	Remote control	880126	1
26	Handsaver strap	880026	1
27	Control box 24V	881165	1
27-1	Remote socket kit 24V	881374	1
27-2	Control pack 24V	881401	1
28	Brake clutch base	881434	1
29	Clevis hook	881996	1
30	Clamp	882160	2

Winch Assembly



Ver:1