

Introduction

► Feature

- Line pull: 6,804 kg / 15,000 lb wire rope first layer
- Wire rope: 11.1 mm × 27 m (7/16" × 89') galvanized aircraft
6 × 29 - IWRC
- Brake: Proprietary cone brake holds full load
- Clutch: Lift and turn the T-handle
- Control: Handheld pendant switch

► Unpacking

- Winch assembly..... 1 pc
- Detachable control box..... 1 pc
- Remote control..... 1 pc
- Wire rope with hook except for PN:857329 & 857437..... 1 pc
- Roller fairlead..... 1 pc
- 1.8 m (6') 2 gauge battery lead..... 1 pc

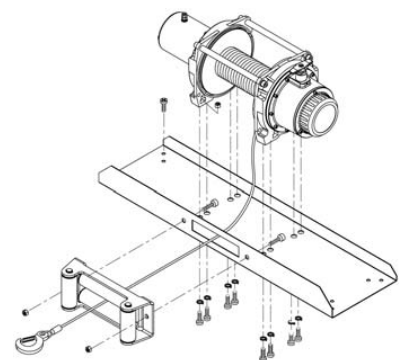
► Read this manual carefully

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

Installation

► Winch and roller fairlead mountings

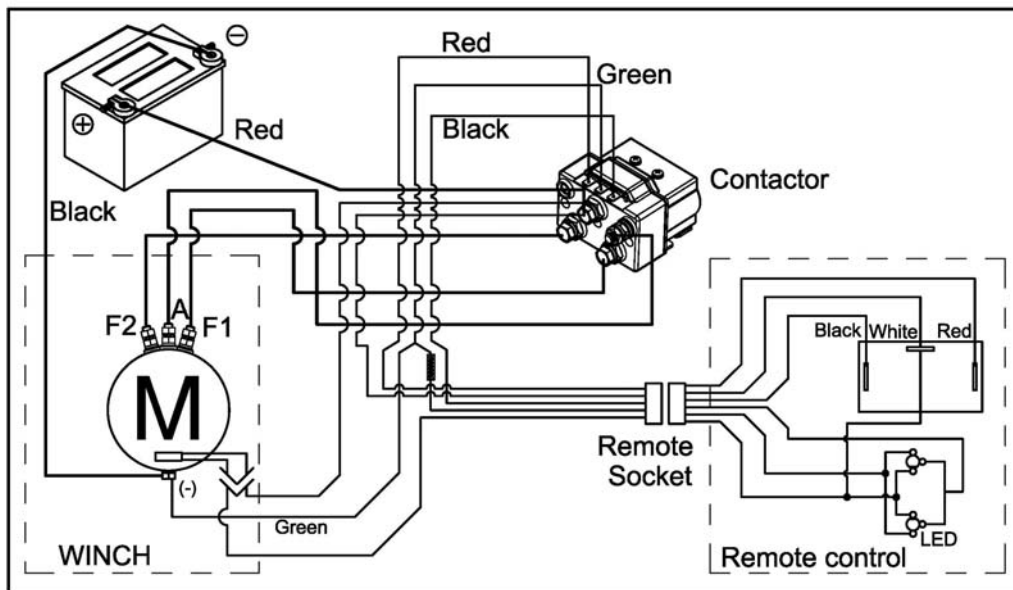
- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Roller fairlead does not mount to the winch directly



- 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.

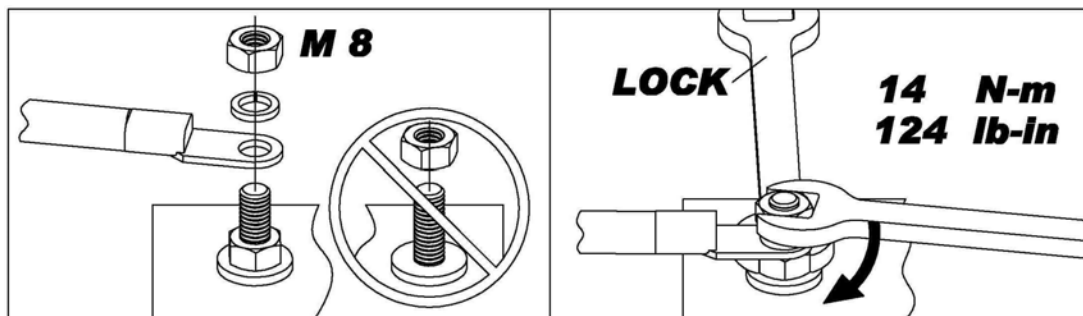
► Wiring Diagram

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 12/24vdc.



► 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.



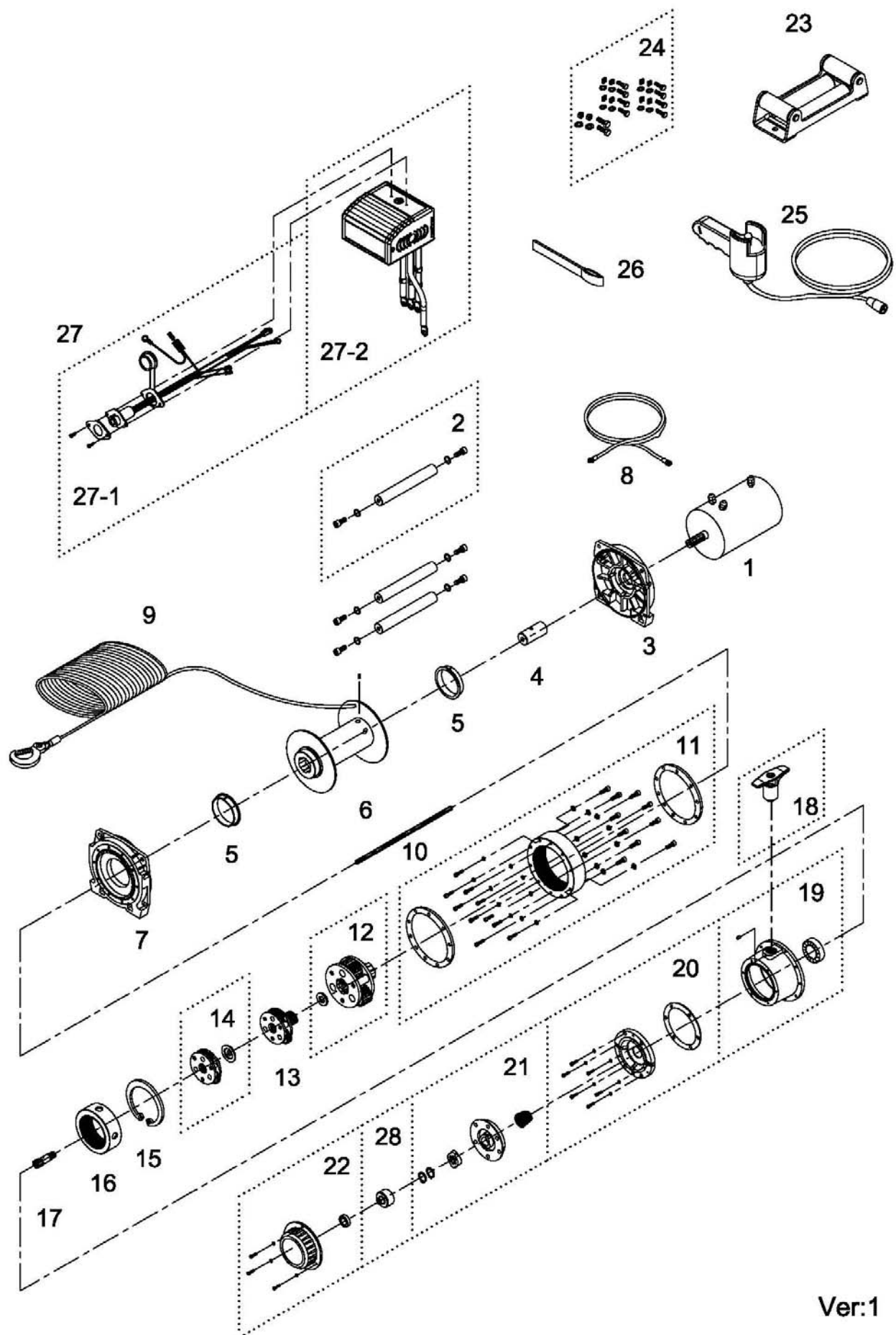
Warning

- The winch shall not be used for transporting or lifting 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 12V	881296	1
	Motor 24V	881297	
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	880049	1
7	Gearbox support rack	880050	1
8	Grounding lead	880009	1
9	Wire rope w/hook	881246	1
10	1 st shaft	880053	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	Detachable control box 12V	881164	1
	Detachable control box 24V	881165	
27-1	Remote socket kit 12V	881373	1
	Remote socket kit 24V	881374	
27-2	Detachable control pack 12V	881400	1
	Detachable control pack 24V	881401	
28	Brake clutch base	881434	1

Winch Assembly



Ver:1