

### Introduction

#### ► Feature

- Line pull: 9,072 kg / 20,000 lb synthetic rope first layer
- Wire rope: 14 mm × 16.7 m (9/16"×55') 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
- Potted control box..... 1 pc
- Remote control..... 1 pc
- Synthetic rope with sling hook..... 1 pc
- Hawse fairlead..... 1 pc
- 1.8 m (6') 2 gauge battery lead..... 1 pc

#### ► Read this manual carefully

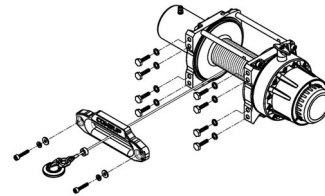
You should carefully read and understand this manual before operating it. Careless winch operation may result in personal injury hazards or property damage.

### 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

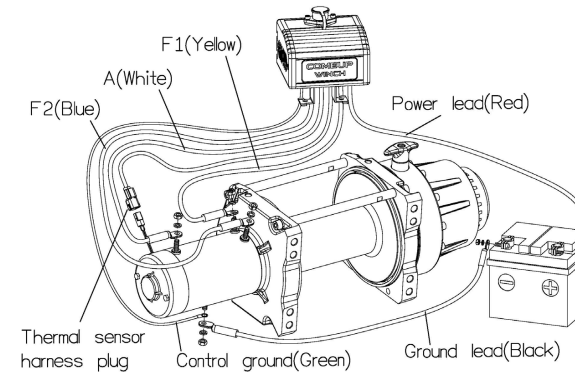
- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Hawse fairlead does not mount to the winch directly.
- The synthetic rope shall be wound in an under-wound orientation only.



- Eight (8) M12 x 1.75 pitch 12.9 grade w/137 N-m torque setting (maximum) high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting.
- Two (2) M10 x 1.50 pitch stainless steel bolts must be used for fastening the hawse fairlead into the mounting channel.

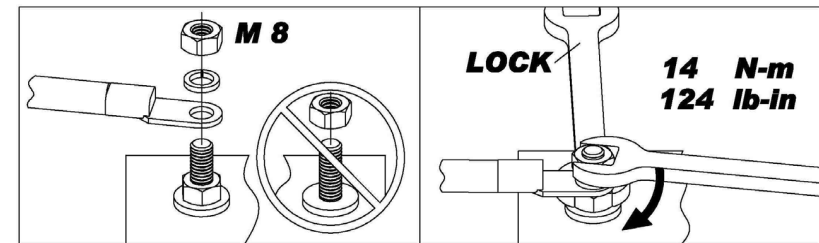
#### ► Wiring Diagram

- Connect thermal sensor harness plug, control ground, and cable A/F1/F2 to the motor.
- 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.



#### ► 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.



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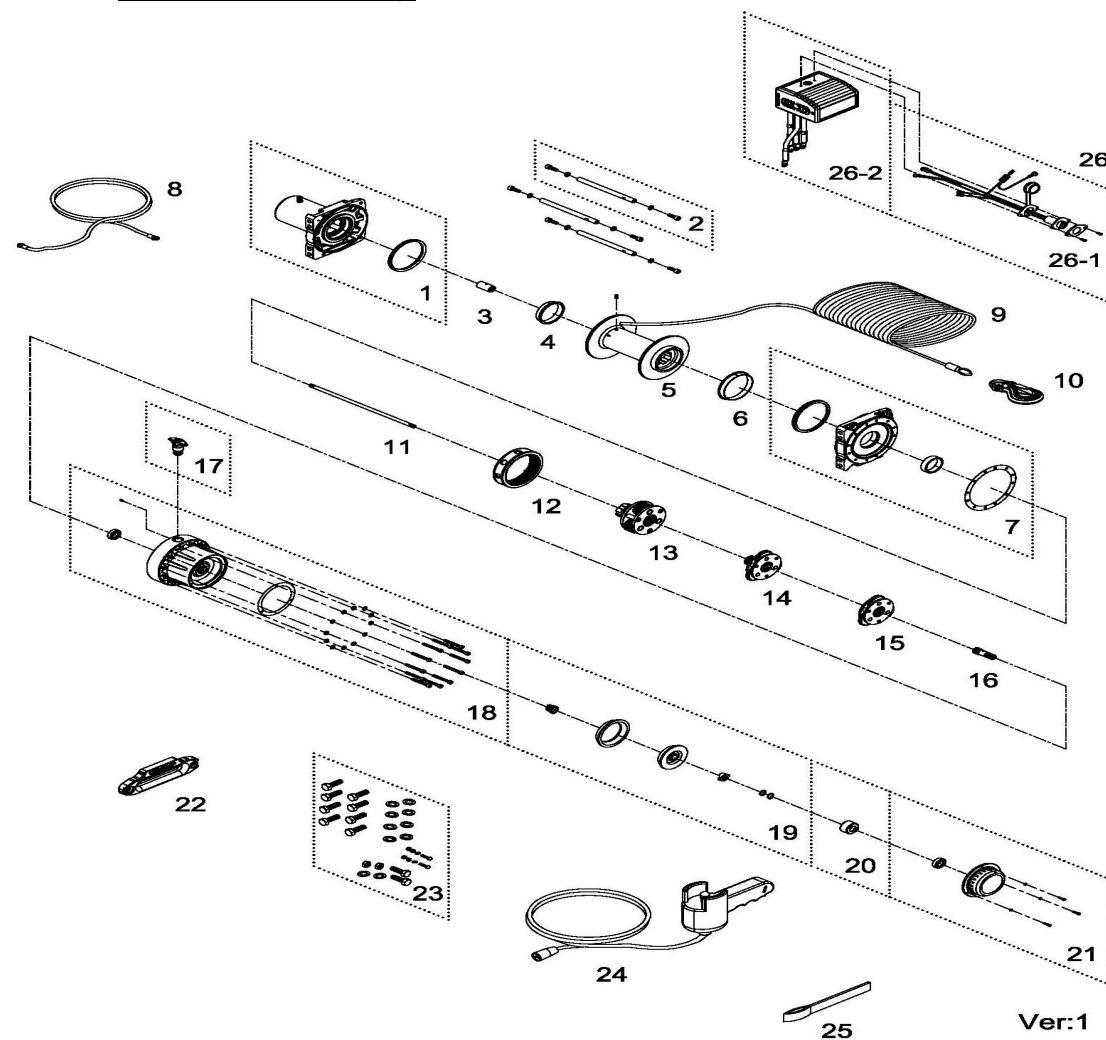
## Warning

- 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.
- Manufacturer is not responsible for the results of misuse, misapplication, faulty installation or abuse of synthetic rope in any way.

## Parts List

Item No.	Description	Part No.	Qty
1	Waterproof motor w/housing 12V	883674	1
2	Tie bar kit	882856	3
3	Motor coupling	882201	1
4	Drum bushing	880048	1
5	Drum kit	882202	1
6	Drum bushing	882204	1
7	Gearbox support rack	882900	1
8	Grounding lead	880009	1
9	Synthetic rope	883676	1
10	Sling hook	883677	1
11	1 <sup>st</sup> shaft	882206	1
12	3 <sup>rd</sup> ring gear kit	882208	1
13	3 <sup>rd</sup> stage carrier	882210	1
14	2 <sup>nd</sup> stage carrier	882211	1
15	1 <sup>st</sup> stage carrier	882212	1
16	1 <sup>st</sup> pinion	882213	1
17	Clutch kit	882214	1
18	Gear box kit	882215	1
19	Cone brake disc kit	882216	1
20	Brake clutch base	882217	1
21	Brake cover kit	882423	1
22	Hawse fairlead	883410	1
23	Mounting hardware	882854	1
24	Remote control	880126	1
25	Handsaver strap	880026	1
26	Control box 12V	881164	1
26-1	Remote socket kit 12V	881373	1
26-2	Control pack 12V	881400	1

## Winch Assembly



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