

PN: 295730 12V DC  
295120 12V DC

## Introduction

### ► Feature

- Line pull: 5,670 kg / 12,500 lb wire rope first layer
- Wire rope: 9.5 mm × 25 m (3/8"×82') galvanized aircraft A7 × 19
- 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..... 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

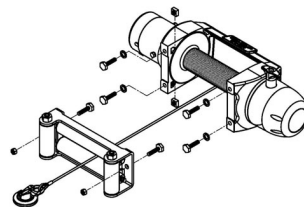
You should carefully read and understand this manual before operating it. Careless winch operation may result in personal injury hazards or property damage.

## Installation

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

### ► Winch and roller fairlead mountings

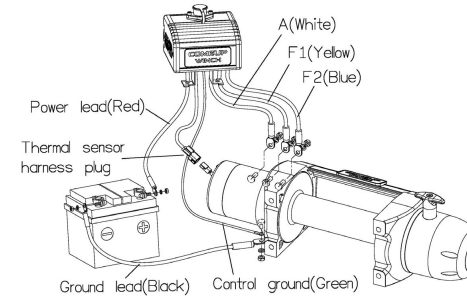
- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Roller fairlead does not mount to the winch directly.



- The wire rope shall be wound in an under-wound orientation only.
- Four (4) M10 x 1.50 pitch 10.9 grade with 63.8 N-m torque settings (maximum) 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 with 76 N-m torque settings (maximum) high tensile steel bolts must be used for fastening the roller fairlead into the mounting channel.

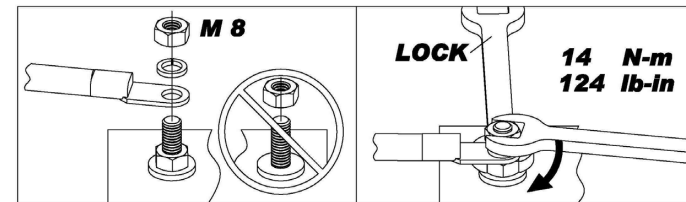
### ► Wiring Diagram

- 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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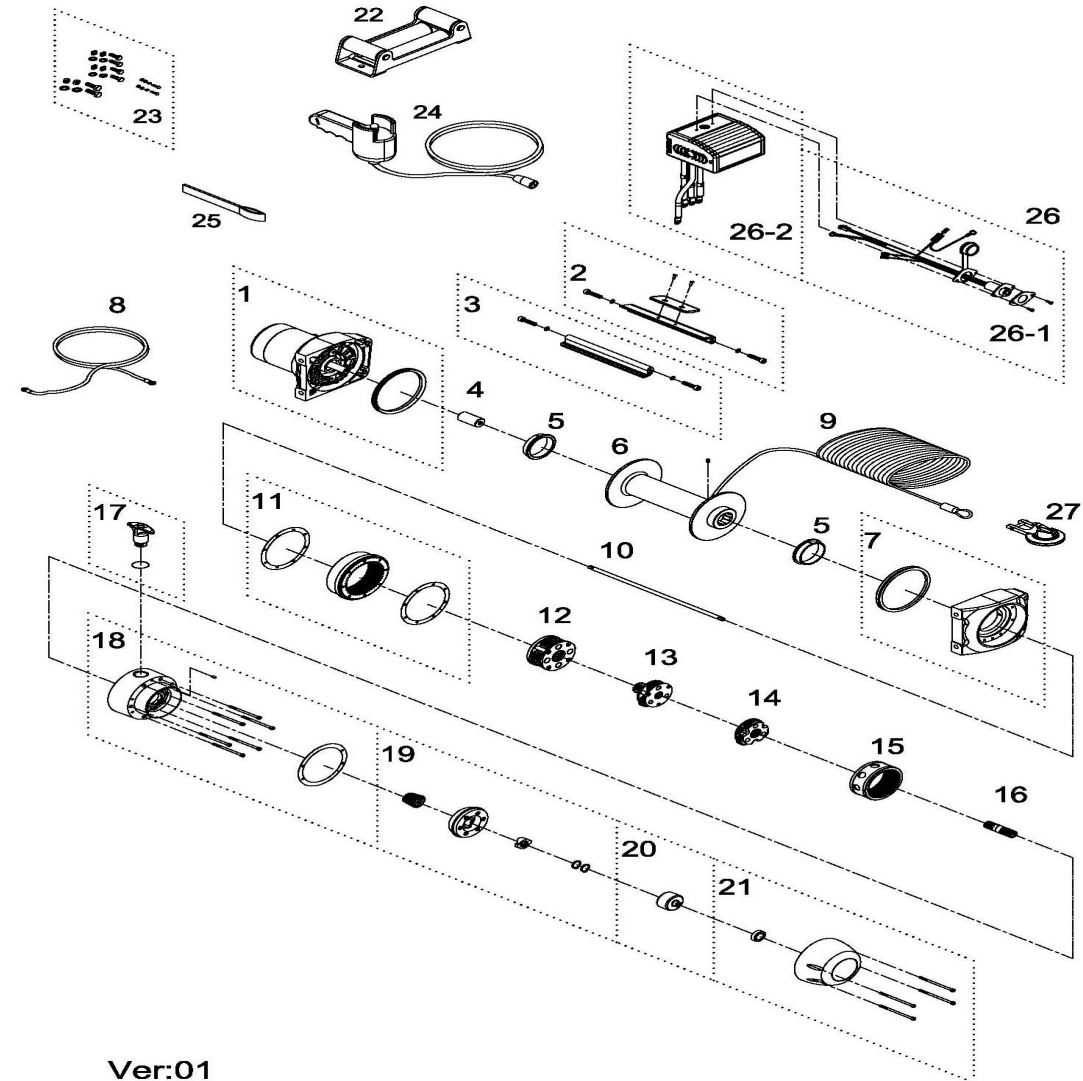
## Warning

- 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 5 wraps from the drum.

## Parts List

Item No.	Description	Part No.	Qty
1	Water proof motor w/housing 12V	883544	1
2	Forward Tie bar kit	882521	1
3	Reverse Tie bar kit	882522	1
4	Motor coupling	880005	1
5	Drum bushing	880006	2
6	Drum kit	881521	1
7	Gearbox support rack	882523	1
8	Grounding lead	880009	1
9	Wire rope	881994	1
10	1 <sup>st</sup> shaft	881523	1
11	3 <sup>rd</sup> ring gear kit	882535	1
12	3 <sup>rd</sup> stage carrier	881960	1
13	2 <sup>nd</sup> stage carrier	881961	1
14	1 <sup>st</sup> stage carrier	881962	1
15	1 <sup>st</sup> & 2 <sup>nd</sup> ring gear	881963	1
16	1 <sup>st</sup> pinion	881964	1
17	Clutch kit	881564	1
18	Gear box kit	882536	1
19	Cone brake disc kit	880122	1
20	Brake clutch base	881100	1
21	Brake cover kit	882537	1
22	Roller fairlead	880023	1
23	Mounting hardware	880024	1
24	Remote control	880126	1
25	Handsaver strap	880026	1
26	Control box 12V	883617	1
26-1	Remote socket kit 12V	881373	1
26-2	Control pack 12V	883619	1
27	Clevis hook	881996	1

## Winch Assembly



Ver:01

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