

### Introduction

#### ► Feature

- Line pull: 5,670 kg / 12,500 lb synthetic rope first layer
- Synthetic rope: **11 mm × 21 m (7/16"×69') synthetic rope**
- Brake: Patented cone brake holds full load
- Clutch: Turn the L-handle for rapid rope payout
- Control: Handheld pendant switch powers the winch

#### ► Unpacking

- Winch assembly..... 1 pc
- 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

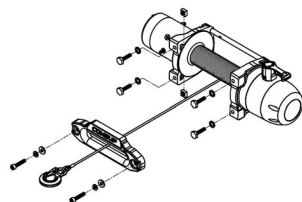
You should carefully read and understand this manual before operating it. Careless winch operation may result in personal injury hazards or property damage.

### 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

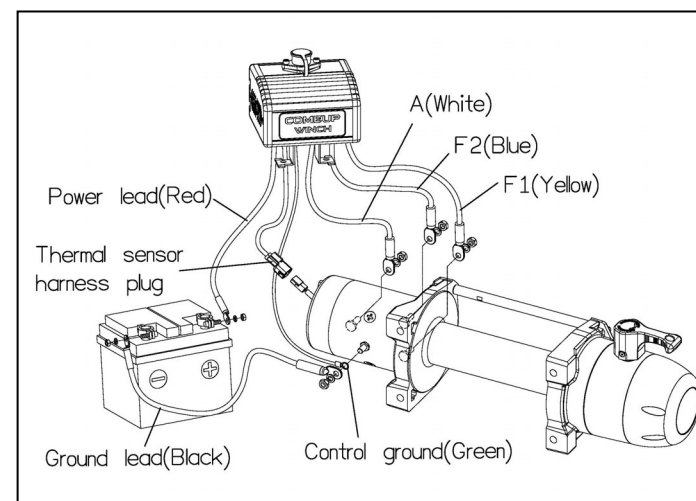
- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Hawse fairlead does not mount to the winch directly.



- The synthetic rope shall be wound in an under-wound orientation only.
- 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) M10 x 1.50 pitch stainless steel bolts must be used for fastening the hawse fairlead into the mounting channel.
- Foot forward mounting only.

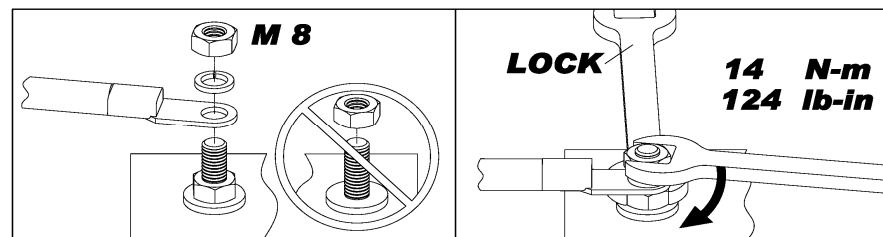
#### ► Wiring Diagram

- 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.



## 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 to support the rated load.
- 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              | 883576   | 1   |
| 2        | Tie bar kit                                 | 883132   | 1   |
| 3        | Motor coupling                              | 880005   | 1   |
| 4        | Drum bushing                                | 880006   | 2   |
| 5        | Drum kit                                    | 881521   | 1   |
| 6        | Gearbox support rack                        | 883578   | 1   |
| 7        | Grounding lead                              | 880009   | 1   |
| 8        | Synthetic rope                              | 884513   | 1   |
| 9        | 1 <sup>st</sup> shaft                       | 881523   | 1   |
| 10       | 3 <sup>rd</sup> ring gear kit               | 883900   | 1   |
| 11       | 3 <sup>rd</sup> stage carrier               | 881960   | 1   |
| 12       | 2 <sup>nd</sup> stage carrier               | 881961   | 1   |
| 13       | 1 <sup>st</sup> stage carrier               | 881962   | 1   |
| 14       | 1 <sup>st</sup> & 2 <sup>nd</sup> ring gear | 881963   | 1   |
| 15       | 1 <sup>st</sup> pinion                      | 881964   | 1   |
| 16       | Clutch kit                                  | 883236   | 1   |
| 17       | Gear box kit                                | 884307   | 1   |
| 18       | Cone brake disc kit                         | 880122   | 1   |
| 19       | Brake clutch base                           | 881100   | 1   |
| 20       | Brake cover kit                             | 882537   | 1   |
| 21       | Mounting hardware                           | 880024   | 1   |
| 22       | Remote control                              | 880126   | 1   |
| 23       | Handsaver strap                             | 880026   | 1   |
| 24       | Control box 12V                             | 881164   | 1   |
| 24-1     | Remote socket kit 12V                       | 881373   | 1   |
| 24-2     | Control pack 12V                            | 881400   | 1   |
| 25       | Sling hook                                  | 882477   | 1   |
| 26       | Hawse fairlead                              | 883410   | 1   |

## Winch Assembly

