

Introduction

► **Feature**

- Line pull: 9,000 lb synthetic rope first layer
- Synthetic rope: 10 mm × 15.2 m (3/8"×50') synthetic rope
- Brake: Patented cone brake holds full load
- Clutch: Turn the T-handle for rapid rope payout
- Control: Handheld pendant switch to power the winch

► **Unpacking**

- Winch assembly..... 1 pc
- Control box..... 1 pc
- Remote control..... 1 pc
- Synthetic rope with clevis hook..... 1 pc
- Hawse fairlead..... 1 pc
- 6' 2 gauge battery lead..... 1 pc

► **Read this manual carefully**

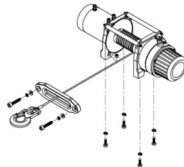
You should carefully read and understand this manual before operating it. Careless winch operation may result in personal injury hazards or property damage.

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.



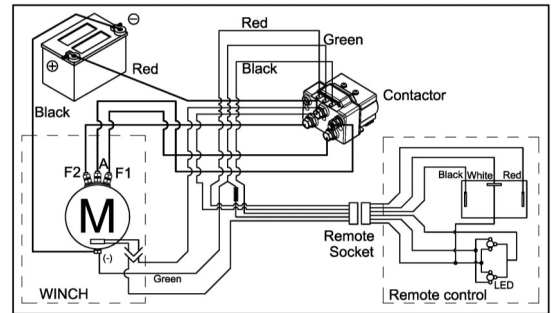
Parts List

| Item No. | Description | Part No. | Qty |
|----------|---------------------------------|----------|-----|
| 1 | Motor 12V | 882272 | 1 |
| 2 | Tie bar kit | 882273 | 2 |
| 3 | Motor support rack | 882274 | 1 |
| 4 | Motor coupling | 880005 | 1 |
| 5 | Drum bushing | 880006 | 2 |
| 6 | Drum kit | 882275 | 1 |
| 7 | Gearbox support rack | 882276 | 1 |
| 8 | Grounding lead | 880009 | 1 |
| 9 | Synthetic rope | 882271 | 1 |
| 10 | 1 st shaft | 882277 | 1 |
| 11 | 3 rd ring gear kit | 882278 | 1 |
| 12 | 3 rd stage carrier | 880013 | 1 |
| 13 | 3 rd bushing | 880014 | 1 |
| 14 | 2 nd stage carrier | 880015 | 1 |
| 15 | 1 st stage carrier | 880016 | 1 |
| 16 | 1 st & 2nd ring gear | 880017 | 1 |
| 17 | 1 st pinion kit | 880018 | 1 |
| 18 | Clutch kit | 881303 | 1 |
| 19 | Gear box kit | 882279 | 1 |
| 20 | Cone brake disc kit | 880021 | 1 |
| 21 | Brake cover kit | 882280 | 1 |
| 22 | Hawse fairlead | 882152 | 1 |
| 23 | Mounting hardware | 880024 | 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 |
| 27 | Brake clutch base | 881100 | 1 |
| 28 | Clevis hook | 882477 | 1 |
| 29 | Clamp | 882160 | 2 |

- Four (4) M10 x 1.50 pitch 8.8 grade high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting.
- Two (2) M8 x 1.0 pitch 8.8 grade high tensile steel bolts must be used for fastening the hawse fairlead into the mounting channel.

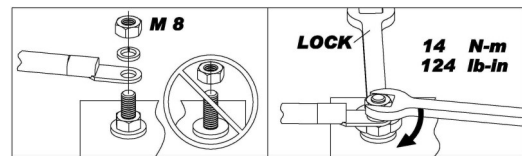
► **Wiring Diagram**

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 12/24V 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 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.

Winch Assembly

