

Introduction► **Feature**

Line pull:	2,722 kg / 6,000 lb wire rope first layer
Synthetic rope:	8 mm × 24.4 m (5/16" × 80') 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
- Control box w/ handle..... 1 pc
- Remote control..... 1 pc
- Synthetic rope with clevis hook..... 1 pc
- Hawse fairlead..... 1 pc
- 2" rear receiver w/quick connector wiring kit..... 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.

► **Information requesting or parts ordering**

Please specify the followings information:

- Winch PN
- Part description
- Quantity for each part
- Serial number
- Replacement part number

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**

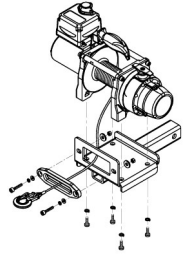
- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.

- Hawse fairlead does not mount to winch directly.

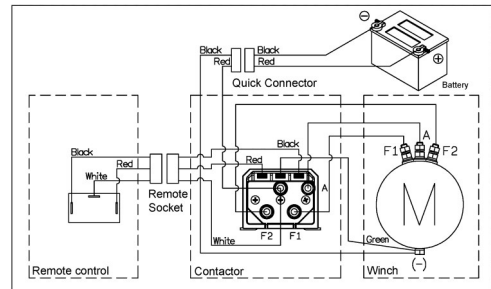
- The synthetic rope shall be wound in an under-wound orientation only.

- 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.

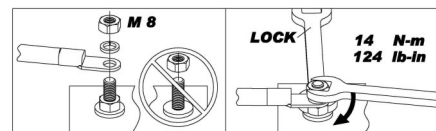
- Two (2) M8 x 1.0 pitch 8.8 grade high tensile steel bolts must be used for fastening the hawse fairlead into the mounting channel.

► **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 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.

Parts List

Item	No.	Description	Part No.	Qty
1		Motor 12V	881505	1
2		Tie bar kit	882256	2
3		Motor support rack	880077	1
4		Motor coupling	880078	1
5		Drum bushing	880006	1
6		Drum kit	880080	1
7		Drum bushing B	880081	1
8		Gearbox support rack	880082	1
9		Synthetic rope	882058	1
10		1 st shaft	880084	1
11		Power lead	882253	1
12		3 rd ring gear kit	880086	1
13		2 nd stage carrier	880087	1
14		1 st stage carrier	880088	1
15		Retaining ring	880089	1
16		1 st & 2 nd ring gear	880090	1
17		1 st pinion kit	880091	1
18		Clutch kit	880092	1
19		Gear box kit	880093	1
20		Cone brake disc kit	880094	1
21		Brake clutch base	881099	1
22		Brake cover kit	880095	1
23		Hawse fairlead	882152	1
24		Mounting hardware	882370	1
25		Remote control	880025	1
26		Handsaver strap	880026	1
27		Control box 12V	882242	1
27-1		Remote socket kit	880029	1
27-2		Control pack 12V	882243	1
28		2" rear receiver	882264	1
29		Clevis hook	881995	1

Winch Assembly