

Introduction

▶ **Feature**

- Line pull: 907 kg / 2,000 lb wire rope first layer
- Wire rope: 4 mm x 15.2 m galvanized aircraft A7 x 19
- Brake: Mechanical and dynamic brakes for 100% braking
- Clutch: Turn to activate free spool
- Control: Handlebar mounted rocker switch

▶ **Unpacking**

- Winch assembly..... 1 pc
- Handlebar rocker switch kit 1 pc
- 4 way roller fairlead..... 1 pc
- Wire rope with safety hook..... 1 pc
- Contactor pack 1 pc

▶ **Read this manual carefully**

Carefully read and understand this manual before operating the winch. Careless winch operation may result in personal injury, danger to others and or damage to property

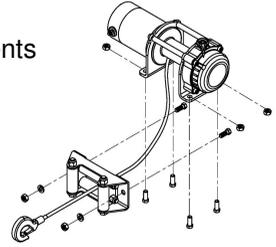
▶ **Information requesting or parts ordering**

Please specify the followings information:

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

Installation

Before using the winch ensure all electrical components are in good condition and all connections are sound.

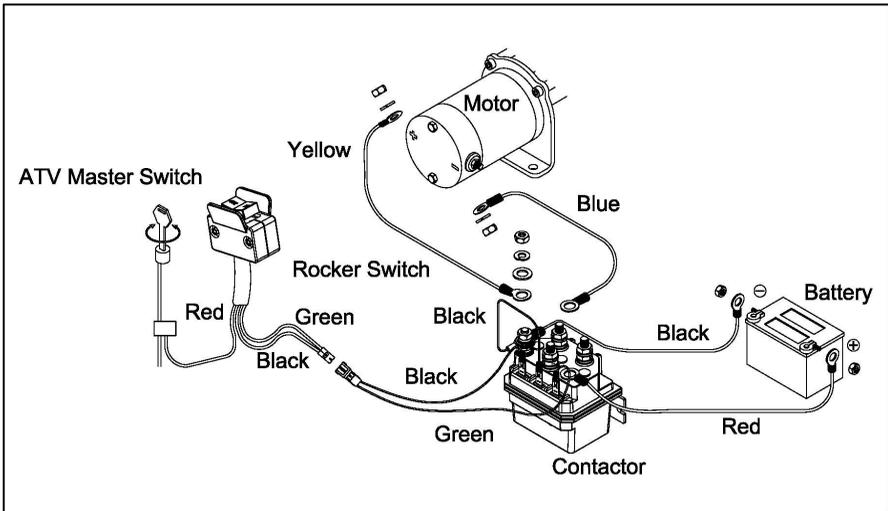


► Wire rope replacement

- It is very important that the winch will be mounted on a flat and hard surface of base plate in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Roller fairlead does not mount to winch directly.
- The wire rope shall be wound in an under-wound orientation only.
- Four (4) M8 x 25L 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 20L 8.8 grade high tensile steel bolts must be used for fastening the roller fairlead into the base plate.

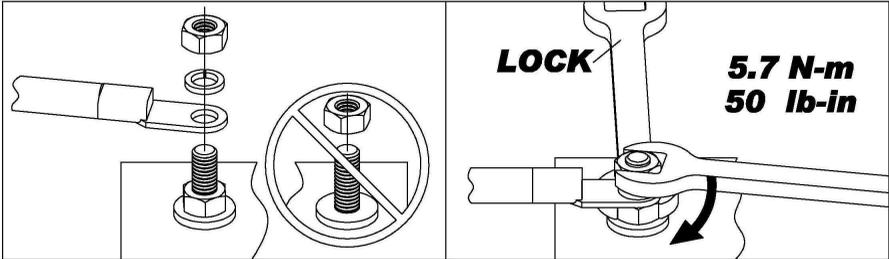
► Wiring Diagram

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 12vdc.



► Nut fastening for motor & contactor

1. Holding the lower nut on the stud, tighten the upper nut clockwise.
2. The torque setting for the nut is 5.7 N-m / 50 lb-in.

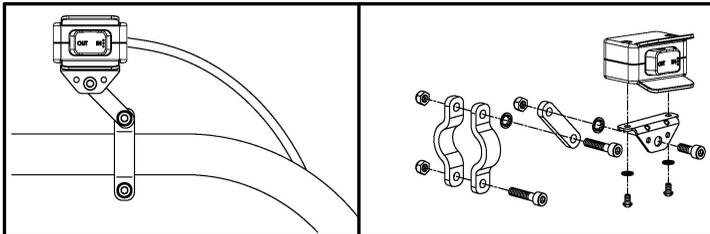


Warning

- The winch is not to be used for transporting or lifting of personnel.
- The rated line pull shown is based on the first layer of rope on the drum.
- The rope shall remain with at least 5 wraps on the drum at all times

Handlebar Rocker Switch Mounting

Handlebar mounted rocker switch can be operated without removing your hand from the grip.



Parts List

Item No.	Description	Part No.	Qty
1	Motor 12V	882036	1
2	Motor support rack	880246	1
3	Motor couple kit	880245	1
4	Drum bushing	880247	2
5	Drum kit	882037	1
6	Tie bar kit	880249	3
7	Gearbox support rack	880250	1
8	Ring gear	880251	1
9	3 rd stage carrier	880252	1
10	2 nd stage carrier	880253	1
11	1 st stage carrier	880254	1
12	1 st shaft kit	880255	1
13	Gearbox & shifter kit	882088	1
14	Wire rope w/hook	880257	1
15	Roller fairlead	880231	1
16	Contactork pack	881037	1
16-1	Contactork w/leads	881385	1
16-2	Battery lead (+)	880234	1
16-3	Battery lead (-)	880235	1
16-4	Motor lead(yellow)	880236	1
16-5	Motor lead(blue)	880237	1
17	Handlebar rocker switch kit	881003	1
18	Mounting hardware	880262	1
19	Handlebar hardware	881561	1
20	Boot kit	880263	1
21	Handsaver strap	880026	1

Winch Assembly

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