

Introduction

► Feature

- Line pull: 1,361 kg / 3,000 lb wire rope first layer
- Wire rope: 4.8 mm x 15.2 m galvanized aircraft A7 × 19
- Brake: Mechanical and dynamic brake for 100% braking
- Clutch: Turn for 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 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.

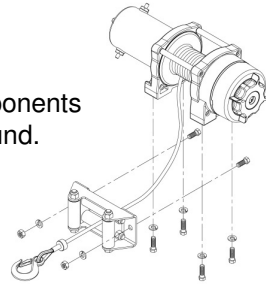
► Information requesting or parts ordering

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.

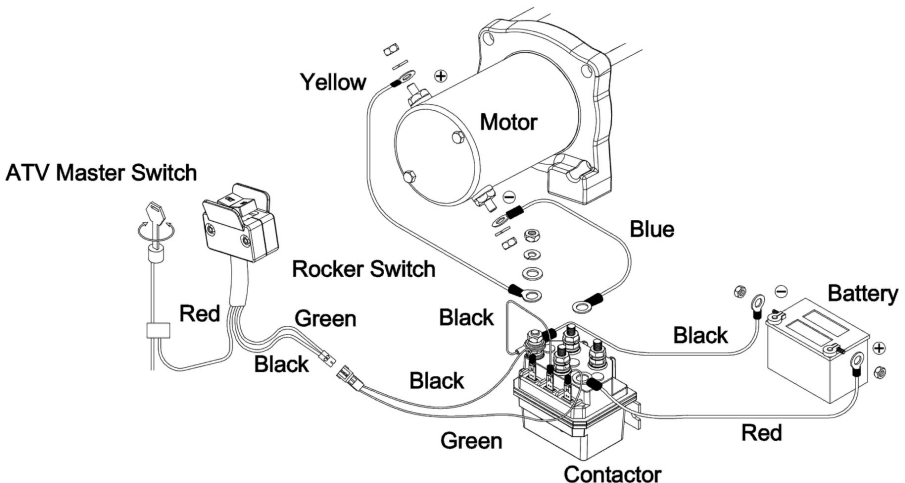


► Wire rope replacement

- It is very important that the winch will be mounted on a flat and hard surface of mounting channel 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 20L 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 mounting channel.

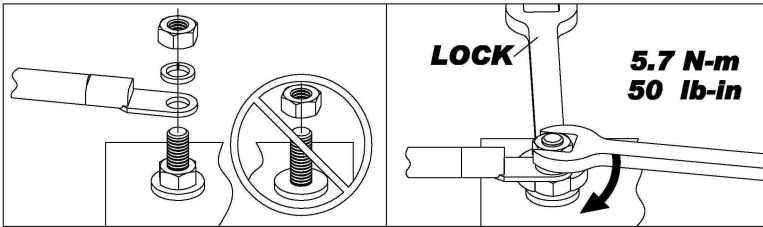
► Wiring Diagram

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 12vdc



► Nut fastening for motor & contactor

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

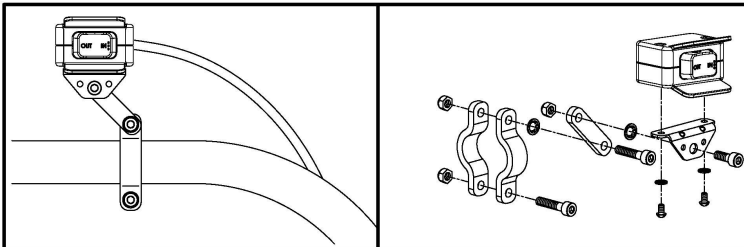


Warning

- 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 w/housing	881331	1
2	Motor couple kit	880988	1
3	Drum bushing	880990	2
4	Drum kit	880991	1
5	Tie bar kit	880992	1
6	Tie bar kit	880993	2
7	Gearbox support rack	880994	1
8	3 rd stage carrier	880995	1
9	2 nd stage carrier	880996	1
10	1 st stage carrier	880997	1
11	2 nd ring gear kit	880998	1
12	1 st shaft kit	880999	1
13	Gearbox kit	881000	1
14	Clutch base	881011	1
15	Friction block	881012	1
16	Clutch lever kit	881013	1
17	Shifter kit	881001	1
18	Wire rope w/hook	881954	1
19	Roller fairlead	880231	1
20	Contacto pack	881037	1
20-1	Contacto w/leads	881385	1
20-2	Battery lead (+)	880234	1
20-3	Battery lead (-)	880235	1
20-4	Motor lead (yellow)	880236	1
20-5	Motor lead (blue)	880237	1
21	Handlebar rocker switch kit	881003	1
22	Mounting hardware	881005	1
23	Handlebar hardware	880242	1
24	Handsaver strap	880026	1
25	Cable tie	880243	1

Winch Assembly

