

Introduction

► Feature

Line pull:	680 kg / 1,500 lb wire rope first layer
Wire rope:	4 mm x 15.2 m (5/32" x 50') galvanized aircraft A7 x 19
Brake:	Mechanical and dynamic brake for 100% braking
Clutch:	Turn the shifter for rapid wire rope payout
Control:	Handlebar trigger switch to power the winch

► Unpacking

• Winch assembly.....	1 pc
• Handlebar trigger switch kit	1 pc
• 4 way roller fairlead.....	1 pc
• Wire rope with safety hook.....	1 pc
• Colour coded wirings and 6 gauge battery lead	1 pc
• Base plate	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:

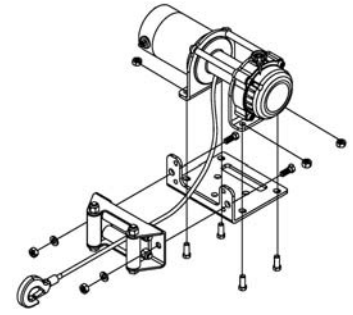
- | | |
|--------------------------|---------------------------|
| • Winch PN | • Serial number |
| • Part description | • Replacement part number |
| • Quantity for each part | |

Installation

Before using the winch, make sure all electrical components have no corrosion or damaged; the environment should be clear and dry.

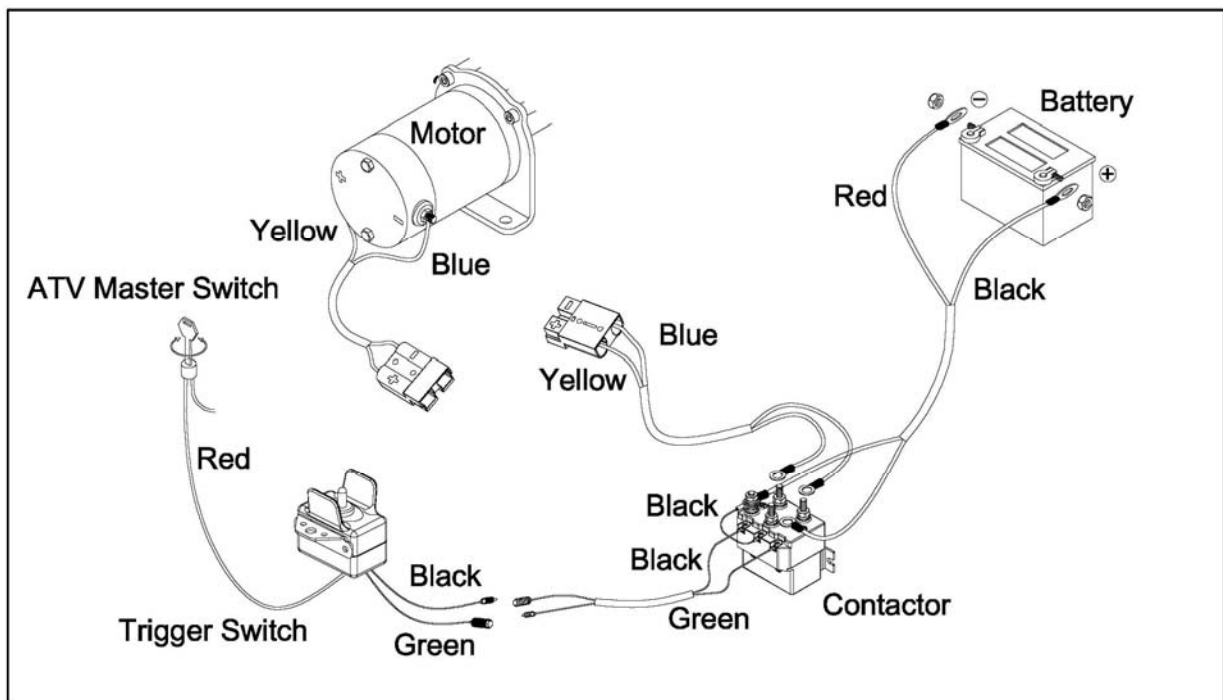
► Wire rope replacement

- 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 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 mounting channel.



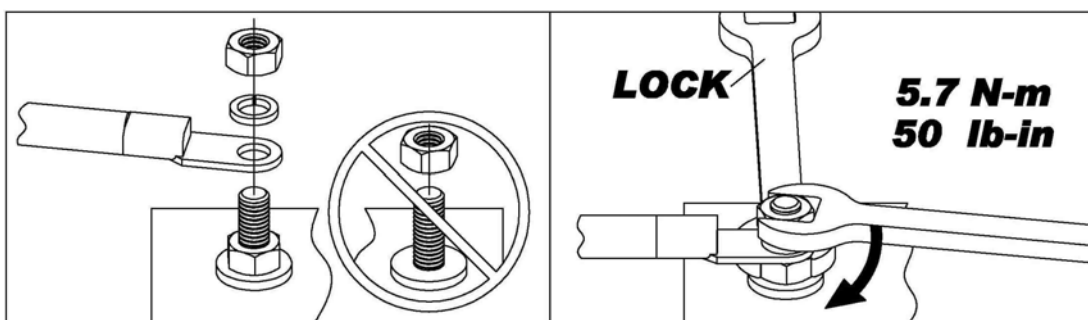
► Wiring Diagram

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 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 5.7 N-m / 50 lb-in.

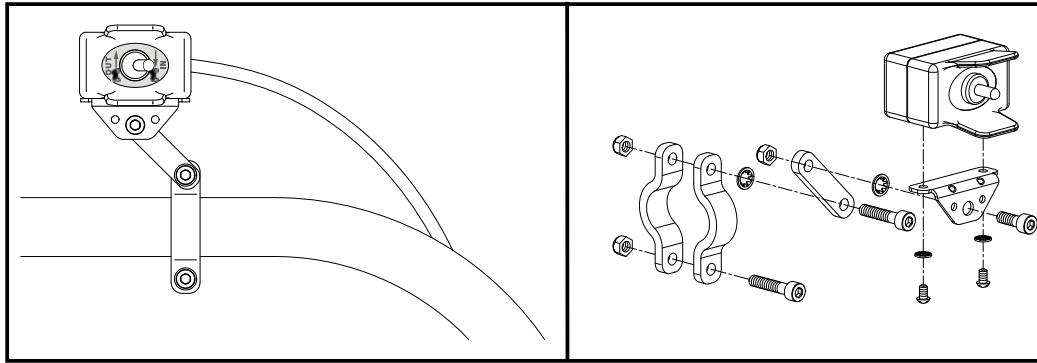


Warning

- The winch is not intended to be used in any manner for the movement or lifting of personnel.
- The pulling capacity shown is based on the first layer of rope on the drum.
- The rope winding on the drum shall remain 5 wraps from the drum.

Handlebar Trigger Switch Mounting

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



Parts List

Ver:18

Item No.	Description	Part No.	Qty
1	Motor 12V	880244	1
2	Motor support rack	880246	1
3	Motor couple kit	880245	1
4	Drum bushing	880247	2
5	Drum kit	880248	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	880256	1
14	Wire rope w/hook	880257	1
15	Roller fairlead	880231	1
16	Base plate	880232	1
17	Contactor pack	881039	1
17-1	Contactor w/leads	880258	1
17-2	Quick connector kit	880259	1
17-3	Quick connector kit A	880260	1
18	Handlebar trigger switch kit	881559	1
19	Mounting hardware	880262	1
20	Handlebar hardware	881561	1
21	Boot kit	880263	1
22	Handsaver strap	880026	1

Winch Assembly

