

## Introduction

### ► Feature

- Line lifting: 544 kg / 1,200 lb wire rope first layer
- Wire rope: 4.8 mm × 18.3m galvanized aircraft A7 × 19
- Brake: Both Mechanical cone brake and permanent motor dynamic brakes
- Control: Handheld pendant switch

### ► Unpacking

- Hoist assembly..... 1 pc
- Control box..... 1 pc
- Remote control ..... 1 pc
- Wire rope with hook..... 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 following information:

• Hoist PN	• Part description
• Serial number	• Replacement part number
• Quantity for each part	

# **Installation**

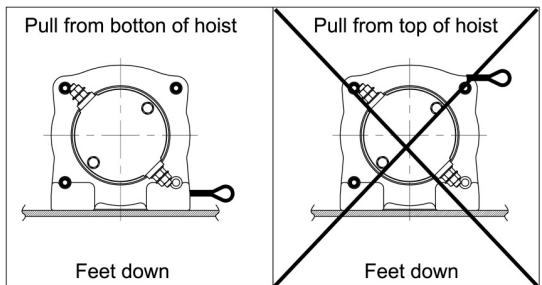
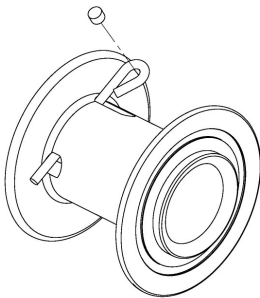
Before using the winch ensure all electrical components are in good condition and all connections are sound.

## ► Hoist mounting

- Four (4) M10 x 30L 8.8 grade with 44 N-m torque settings (maximum) high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting

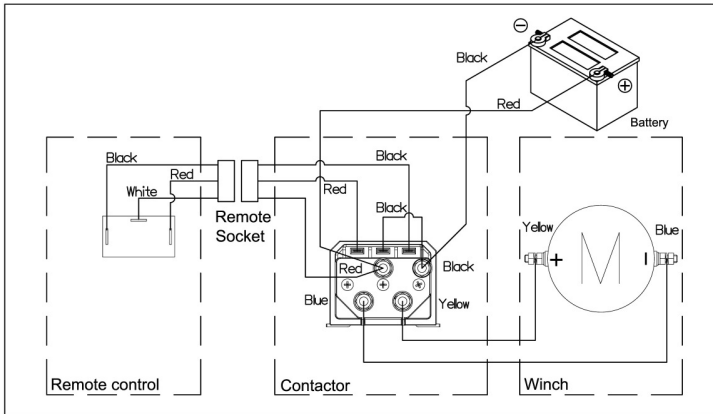
## ► Wire Rope Replacement

- Feed the end of the wire rope through the anchor hole in the drum and make a loop in the anchor pocket. Insert a wedge in the loop and tighten the rope for securing purpose.
- Make sure the first layer of wire rope is tight and maintain a freeboard at least 1.5 x rope diameter.
- Wire rope shall be wound in an under-wound orientation only.
- To compensate for uneven spooling and the decrease in line pull capacity as the drum fills up, use as short a wire rope as practical.



## ► 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 12/24vdc



## Warning

- The operator shall always work in compliance with the operating instructions.
- Do not Overload the winch. Overload protection should be provided.
- Not for the Transporting or lifting of personnel.
- Excessive inching should be avoided
- Don't try to move obstructed loads and side-pull of load is not allowed
- A minimum of 5 complete wraps of rope on the drum is required at all times

## Performance Data

Load	mpm		Amp draw	Percentage Duty Cycle
	12V	24V		
kg / lb			12 / 24V	min / 10 min
No load	7.4	5.9	30 / 15	2.5
136 / 300	6.9	5.7	55 / 19	2.3
272 / 600	6.4	5.5	75 / 25	2.0
408 / 900	5.9	5.2	95 / 36	1.8
544 / 1,200	5.5	5.0	130 / 50	1.5

# Parts List

Item No.	Description	Part No.	Qty
1	Motor 12V	882309	1
	Motor 24V	882310	
2	Tie bar kit	881427	2
3	Motor support rack	882311	1
4	Motor coupling	880078	1
5	Drum bushing A	880006	1
6	Drum kit	882312	1
7	Drum bushing B	880081	1
8	Gearbox support rack	882419	1
9	1 <sup>st</sup> shaft	881221	1
10	3 <sup>rd</sup> ring gear kit	882420	1
11	2 <sup>nd</sup> stage carrier	880087	1
12	1 <sup>st</sup> stage carrier	880088	1
13	Retaining ring	880089	1
14	1 <sup>st</sup> & 2 <sup>nd</sup> ring gear	880090	1
15	1 <sup>st</sup> pinion kit	880091	1
16	Tap screw	881423	1
17	Gear box kit	882421	1
18	Cone brake disc kit	880094	1
19	Brake clutch base	881099	1
20	Brake cover kit	882422	1
21	Remote control	880025	1
22	Control box 12V	882313	1
	Control box 24V	882314	
22-1	Remote socket kit	880029	1
22-2	Control pack 12V	882315	1
	Control pack 24V	882316	
23	Mounting hardware	882539	1
24	Wire rope w/hook	881245	1

# Hoist Assembly (GTD1200)

