

Introduction

► Feature

Line lifting: 998 kg / 2,200 lb wire rope first layer

Wire rope: 6.3 mm x 30.5 m (1/4" x 100') galvanized aircraft A7 x 19

Brake: Both Mechanical cone brake and permanent motor dynamic brakes

Control: Handheld pendant switch powers the hoist

► Unpacking

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

► Read this manual carefully

You should carefully read and understand this manual before operating it. Careless hoist operation may result in personal injury hazards or property damage.

► Information requesting or parts ordering

Please specify the following information:

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

Installation

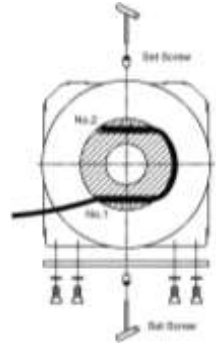
Before using the hoist, make sure all electrical components have no corrosion or damaged; the environment should be clear and dry.

► Hoist mounting

Eight(8) M10 x 35L 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.

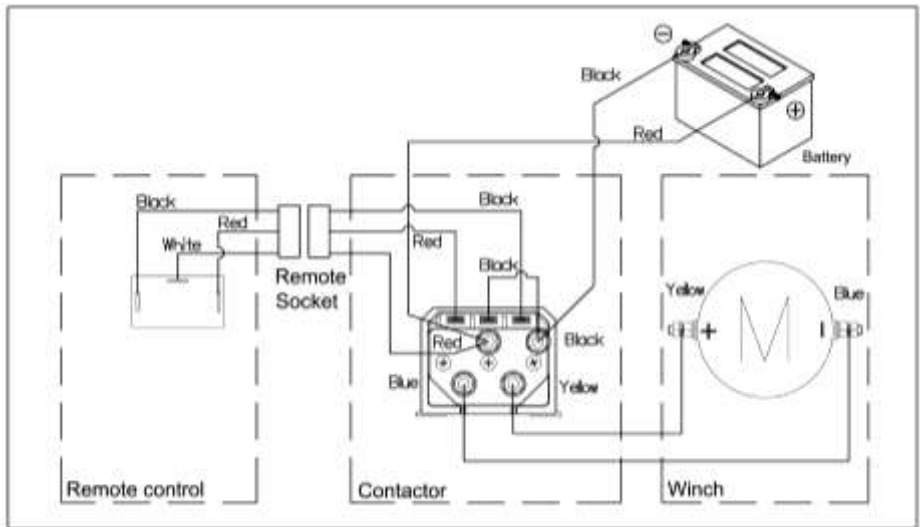
► Wire Rope Replacement

- Feed the end of the wire rope into No. 1 anchor hole in the drum and wind about 1/4 wrap of rope on the drum. Insert the wire rope into No. 2 hole and tighten the set screw securely.
- 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 12V/24V DC.



Warning

- The operator shall always work in compliance with the operating instructions.
- Overload shall be forbidden and overload protection shall be required.
- Ban on transporting persons and excessive inching shall be avoided.
- Don't try to move obstructed loads and side-pull of load is not allowed
- The rope winding on the drum shall remain 5 wraps from the drum.

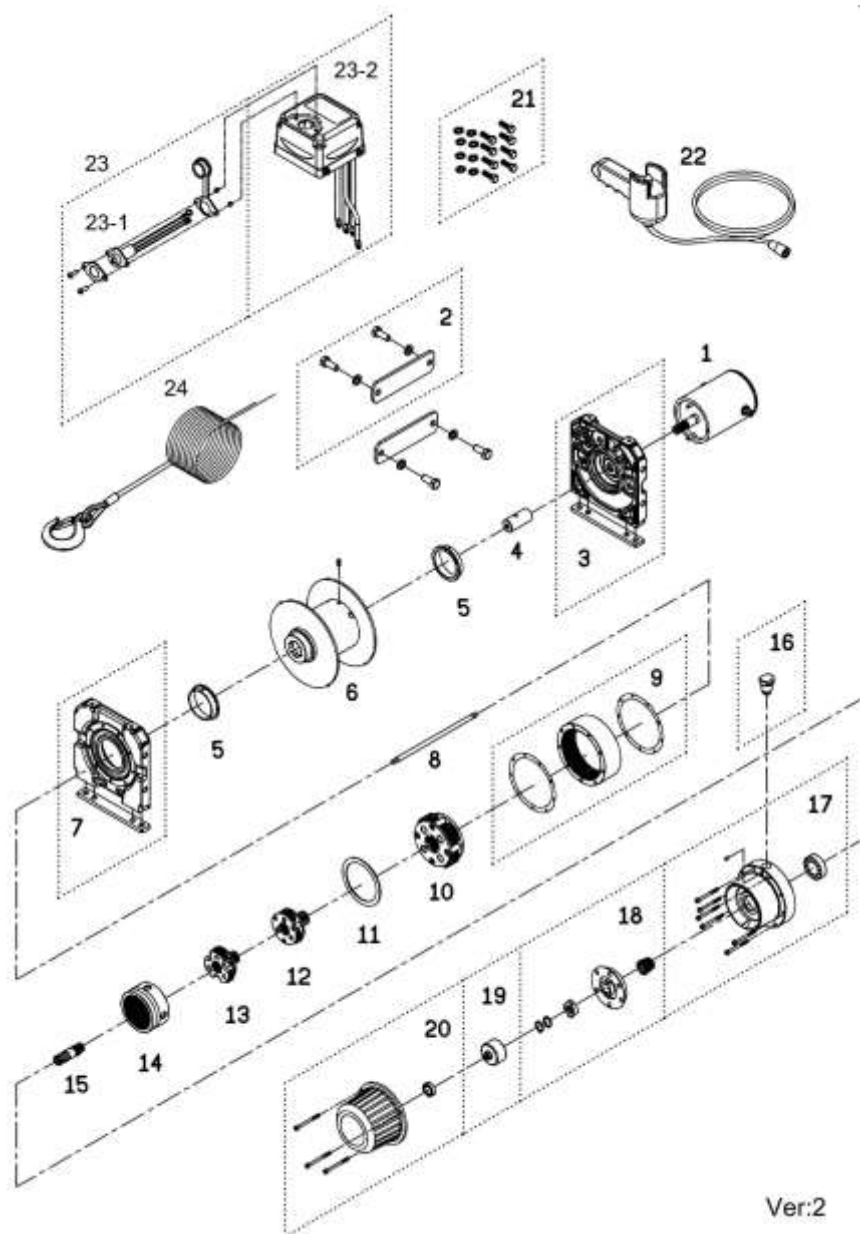
Performance Data

Lifting Load	Line Speed				Amp. Draw	Percentage Duty Cycle min / 10 min
	mpm		fpm			
kg / lb	12V	24V	12V	24V	12V / 24V	12V / 24V
No load	4.5	5.8	14.8	19	25 / 18	Cont.
181 / 400	4.2	5.7	13.8	18.7	40 / 25	Cont. / 8.0
362 / 800	4.0	5.6	13.1	18.4	60 / 35	8.0 / 6.0
544 / 1,200	3.8	5.5	12.5	18	75 / 55	6.0 / 4.0
771 / 1,700	3.6	5.3	11.8	17.4	90 / 70	4.5 / 3.0
998 / 2,200	3.5	5.0	11.5	16.4	120 / 90	3.0 / 2.0

Parts List

Item No.	Description	Part No.	Qty
1	Motor 12V	882373	1
	Motor 24V	882374	
2	Tie bar kit	882430	2
3	Motor support rack	882427	1
4	Motor coupling	880005	1
5	Drum bushing	880006	2
6	Drum kit	882431	1
7	Gearbox support rack	882428	1
8	1 st shaft	882432	1
9	3 rd ring gear kit	882424	1
10	3 rd stage carrier kit	881525	1
11	3 rd bushing	880014	1
12	2 nd stage carrier kit	881526	1
13	1 st stage carrier kit	881527	1
14	1 st & 2 nd ring gear	881528	1
15	1 st pinion kit	880018	1
16	Tap screw	882433	1
17	Gear box kit	882425	1
18	Cone brake disc kit	880021	1
19	Brake clutch base	881100	1
20	Brake cover kit	882517	1
21	Mounting hardware	882485	1
22	Remote control	880025	1
23	Control box 12V	882360	1
	Control box 24V	882361	
23-1	Remote socket kit	880029	1
23-2	Control pack 12V	882362	1
	Control pack 24V	882363	
24	Wire rope w/hook	881149	1

Hoist Assembly



Ver:2