

Introduction

► Feature

- Line lifting: 998 kg / 2,200 lb wire rope first layer
- Wire rope: 6.3 mm × 30.5 m (1/4" × 100') galvanized aircraft A7 × 19
- Brake: 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

You should carefully read and understand this manual before operating the hoist. Careless hoist operation may result in personal injury, danger to others and or property damage.

► Information requesting or parts ordering

Please specify the following information:

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

Installation

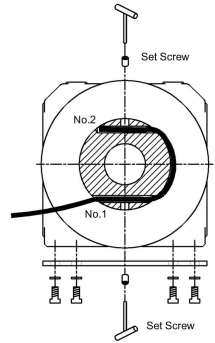
Before using the hoist, make sure all electrical components are in good condition and connections are sound.

► 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.

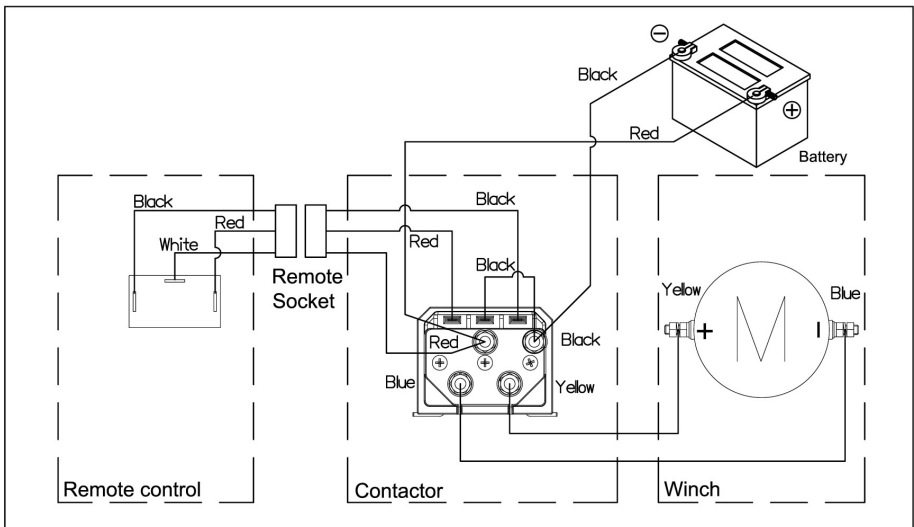
► Wire Rope Replacement

- 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/24vdc.



Warning

- The operator shall always work in compliance with the operating instructions.
- Do not overload the hoist. Overload protection shall be required.
- Not to be used to transport personnel
- Don't try to move obstructed loads and side-pull of load is not allowed
- The rope shall remain with at least 5 wraps on 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	5.3	5.8	17.4	19	25 / 18	Cont.
181 / 400	5.2	5.7	17.1	18.7	50 / 25	8.0
362 / 800	5.1	5.6	16.7	18.4	75 / 35	6.0
544 / 1,200	4.8	5.5	15.7	18	95 / 55	4.0
771 / 1,700	4.6	5.3	15.1	17.4	115 / 70	3.0
998 / 2,200	4.2	5.0	13.8	16.4	135 / 90	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	882426	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

