COMEUP WINCH

Model: *GTD-2800*

PN: 753022 12V
753033 24V
753100 12V
753120 24V

Introduction

▶ Feature

Line lifting:	1,270 kg / 2,800 lb wire rope first layer
Wire rope:	7.9 mm × 28 m (5/16" × 92′) galvanized aircraft A7 × 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 clevis 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
- Serial number
- Quantity for each part
- Part description
- Replacement part number

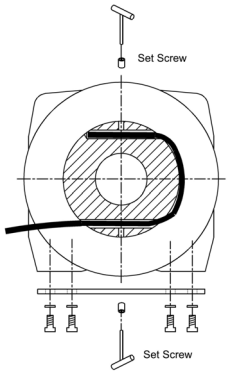
Installation

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) M12 x 40L 8.8 grade with 76 N-m torque settings (maximum) high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting.

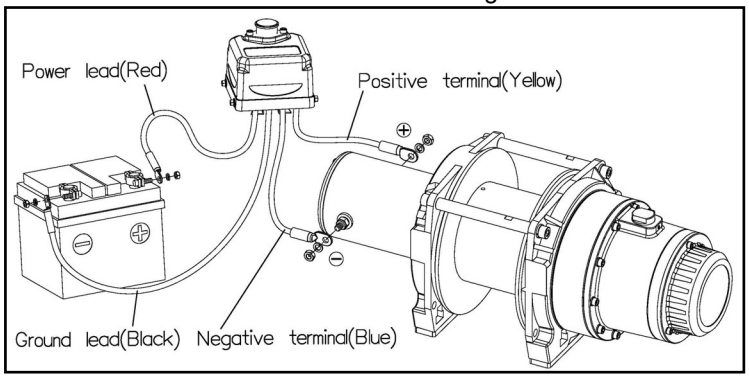
▶ Wire Rope Replacement



- 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.

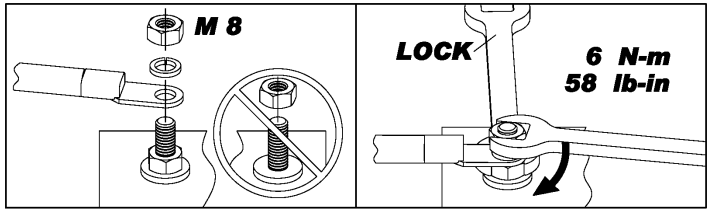
▶ Wiring Diagram

- Connect positive/negative terminal cables to the winch motor.
- Attach the ground lead firmly to the negative (–) battery terminal and power lead to the positive (+) battery terminal. The voltage drop for the winch motor must not exceed 10% of the nominal voltage of 12/24VDC.



▶ Nut fastening for motor & contactor

- Holding the lower nut on the stub and fastening the upper nut clockwise.
- The torque setting for nut is 6 N-m / 58 lb-in. (Terminal material copper)



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.

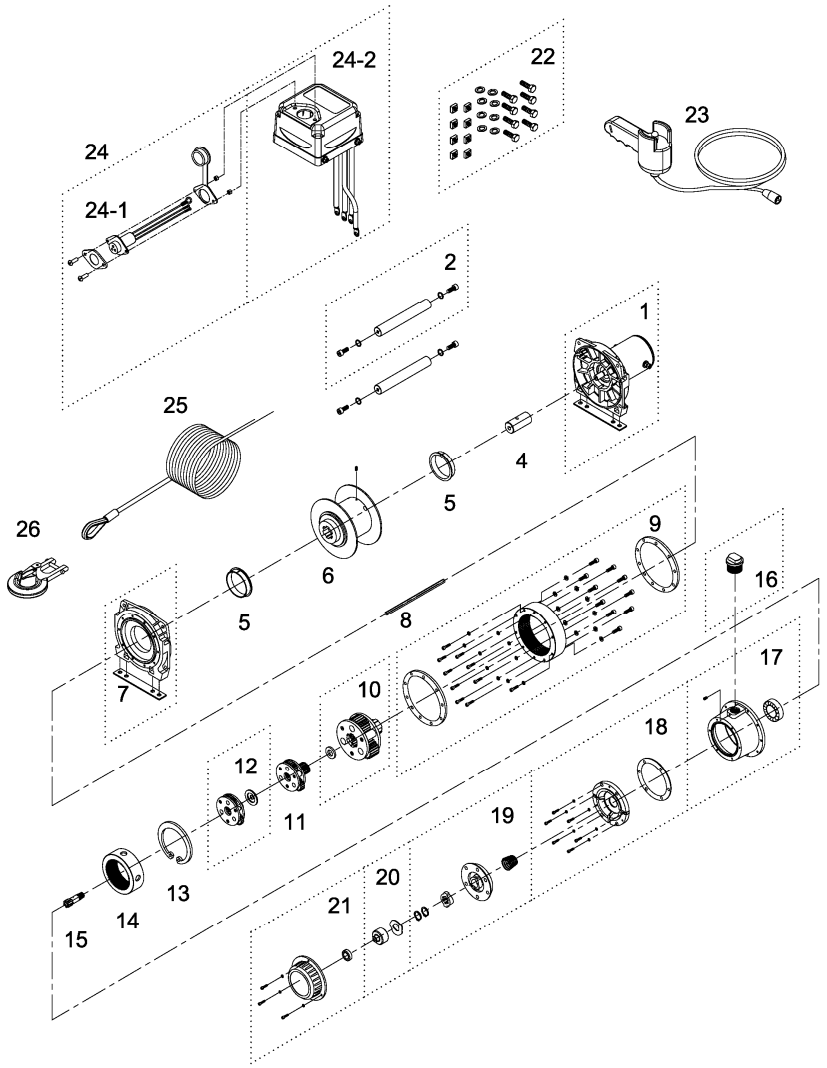
Performance Data

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	5.8	6.0	19	19.7	30 / 22	Cont.
227 / 500	5.5	5.7	18	18.7	45 / 30	7.0
454 /1,000	5.1	5.5	16.7	18.0	70 / 45	4.5
680 /1,500	4.6	5.3	15.1	17.4	95 / 60	3.0
907 / 2,000	4.3	4.6	14.1	15.1	135 / 80	2.5
1,270/ 2,800	4.0	4.4	13.1	14.4	160 / 100	2.0

Parts List

Item No.	Description	Part No.	Qty
1	Motor 12V	884315	1
	Motor 24V	884316	
2	Tie bar kit	882403	2
4	Motor coupling	880047	1
5	Drum bushing	880048	2
6	Drum kit	882401	1
7	Gearbox support rack	882435	1
8	1st shaft	882402	1
9	3rd ring gear kit	882436	1
10	3rd stage carrier kit	881944	1
11	2nd stage carrier kit	880056	1
12	1st stage carrier kit	880057	1
13	Retaining ring	880058	1
14	1st & 2nd ring gear	880059	1
15	1st pinion kit	880060	1
16	Tap screw	881423	1
17	Gear box kit	882437	1
18	Brake base	882438	1
19	Cone brake disc kit	882529	1
20	Brake clutch base	883241	1
21	Brake cover kit	882470	1
22	Mounting hardware	882486	1
23	Remote control	880025	1
24	Control box 12V	882360	1
	Control box 24V	882361	
24-1	Remote socket kit	880029	1
24-2	Control pack 12V	882362	1
	Control pack 24V	882363	
25	Wire rope	882487	1
26	Clevis hook	881996	1

Hoist Assembly



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