

# COMEUP WINCH

## Model: *GTD-650*

PN: 750265 12V 931088 12V  
750280 24V  
750300 48V

### Introduction

#### ► Feature

- Line lifting: 295 kg / 650 lb wire rope first layer
- Wire rope: 3.6 mm × 18.3 m (9/64" × 60') galvanized aircraft A7 × 19
- Brake: Mechanical spring applied and permanent motor dynamic brakes together
- 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

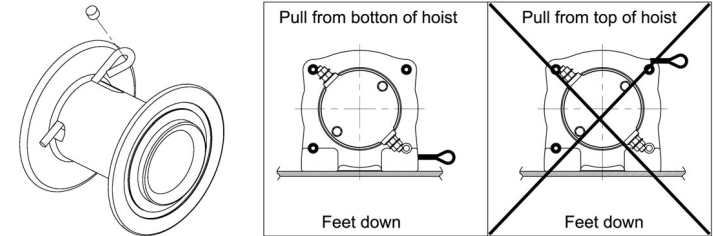
Before using the hoist, make sure all electrical components have no corrosion or damaged; the environment should be clear and dry.

#### ► Hoist mounting

Four (4) M8 x 25L 8.8 grade with 22 N-m torque settings (maximum) high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting.

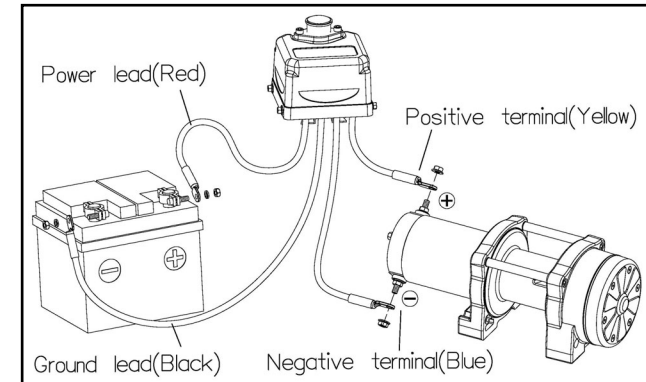
#### ► Wire Rope Replacement

- Feed the end of the wire rope into anchor hole in the drum and make a self-circle on the anchor pocket. Insert a wedge in the self-circle 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.



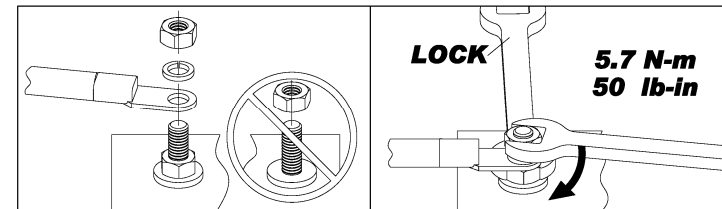
#### ► Wiring Diagram

- 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 12/24V/48V DC.



#### ► Nut fastening for motor & contactor

- Holding the lower nut on the stub and fastening the upper nut clockwise.
- The torque setting for nut is 5.7N-m / 50 lb-in.



## 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.

## Parts List

| Item No. | Description                   | Part No.      | Qty |
|----------|-------------------------------|---------------|-----|
| 1        | Motor 12V                     | 882417        | 1   |
|          | Motor 24V                     | 882288        |     |
|          | <b>Motor 48V</b>              | <b>884469</b> |     |
| 2        | Motor couple kit              | 884271        | 1   |
| 3        | Drum bushing                  | 880990        | 2   |
| 4        | Drum kit                      | 882322        | 1   |
| 5        | Tie bar kit                   | 880992        | 1   |
| 6        | Tie bar kit                   | 880993        | 2   |
| 7        | Gearbox support rack          | 880994        | 1   |
| 8        | 3 <sup>rd</sup> stage carrier | 880995        | 1   |
| 9        | 2 <sup>nd</sup> stage carrier | 880996        | 1   |
| 10       | 1 <sup>st</sup> stage carrier | 880997        | 1   |
| 11       | 2 <sup>nd</sup> ring gear kit | 880998        | 1   |
| 12       | 1 <sup>st</sup> shaft kit     | 880999        | 1   |
| 13       | Gearbox kit                   | 882418        | 1   |
| 14       | Gearbox rear cover kit        | 882320        | 1   |
| 15       | Remote control                | 880025        | 1   |
| 16       | Control box 12V               | 882313        | 1   |
|          | Control box 24V               | 882314        |     |
|          | <b>Control box 48V</b>        | <b>884466</b> |     |
| 16-1     | Remote socket kit             | 880029        | 1   |
| 16-2     | Control pack 12V              | 882315        | 1   |
|          | Control pack 24V              | 882316        |     |
|          | <b>Control pack 48V</b>       | <b>884467</b> |     |
| 17       | Mounting hardware             | 882545        | 1   |
| 18       | Wire rope                     | 882413        | 1   |
| 19       | Clevis hook                   | 881997        | 1   |

## Hoist Assembly

