

## Self-Recovery Winch

**Model: DV-15**

**PN: 857326 12V DC**

**857433 24V DC**

### Introduction

#### ☒ Feature

Line pull: 6,804 kg / 15,000 lb wire rope first layer

Wire rope: 11.1 mm × 27 m (7/16" × 89') galvanized aircraft  
6 × 29 - IWRC

Brake: Patented cone brake holds full load

Clutch: Turn the T-handle for rapid wire rope payout

Control: Handheld pendant switch powers the winch

#### ☒ Unpacking

- Winch assembly.....1 pc
- Detachable control box..... 1 pc
- Remote control..... 1 pc
- Wire rope with hook..... 1 pc
- Roller fairlead..... 1 pc
- 1.8 m ( 6' ) 2 gauge battery lead..... 1 pc

#### ☒ Read this manual carefully

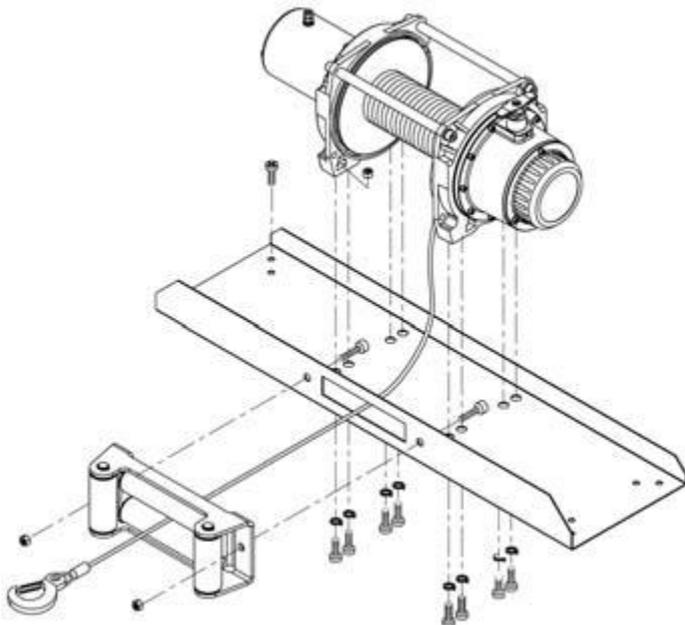
You should carefully read and understand this manual before operating it. Careless winch operation may result in personal injury hazards or property damage.

### Installation

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

#### ☒ Winch and roller fairlead mountings

- It is very important that the winch will be mounted on a flat and hard surface of mounting channel in order to make sure the motor, drum and gearbox housing are aligned correctly.
- Roller fairlead does not mount to the winch directly.

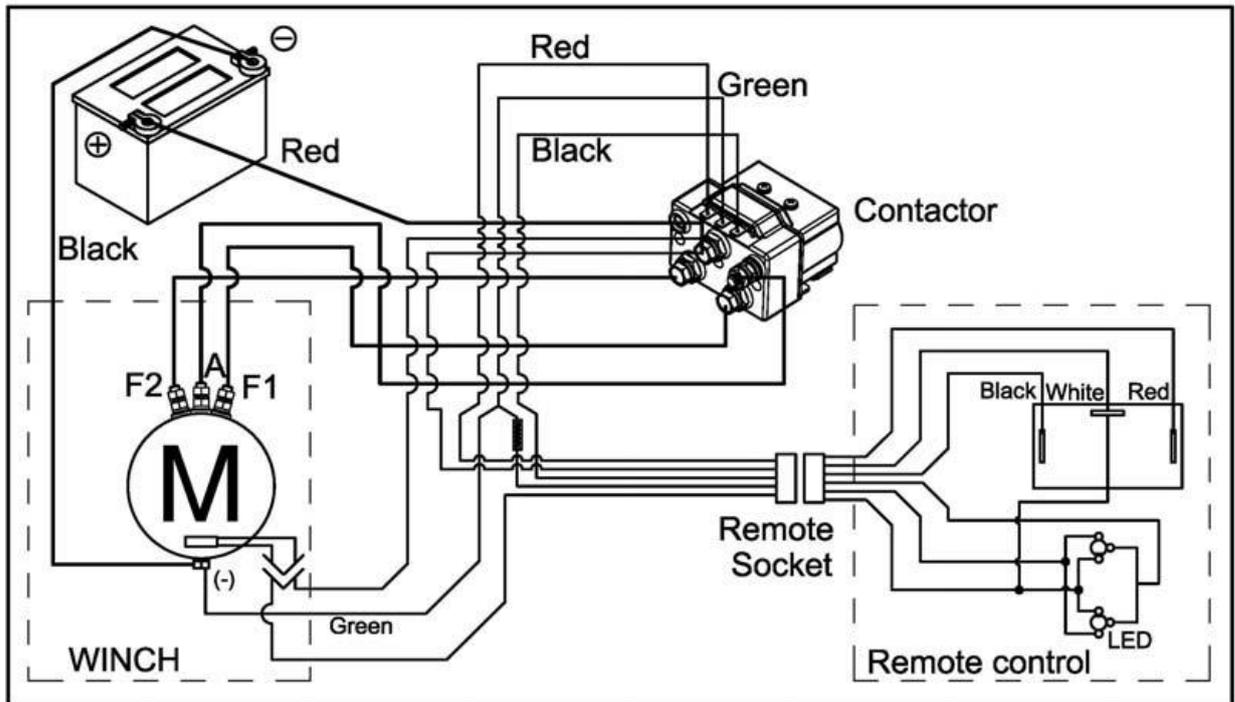


- The wire rope shall be wound in an under-wound orientation only.
- Eight (8) M12 x 1.75 pitch 8.8 grade high tensile steel bolts must be used in order to sustain the loads imposed on the winch mounting.
- Two (2) M12 x 1.75 pitch 8.8 grade high tensile steel bolts must be used for

fastening the roller fairlead into the mounting channel.

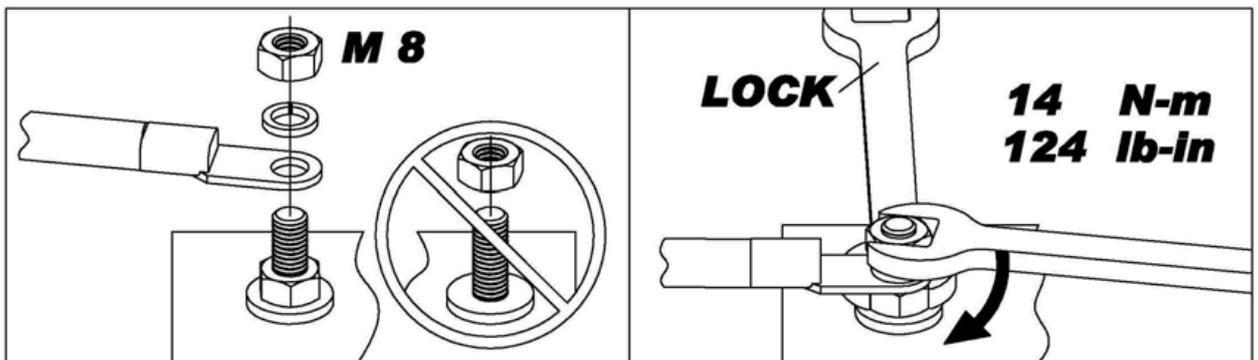
#### ☐ Wiring Diagram

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 12/24V DC.



#### ☐ Nut fastening for motor & contactor

1. Holding the lower nut on the stub and fastening the upper nut clockwise.
2. The torque setting for nut is 14 N-m/124 lb-in.



#### Warning

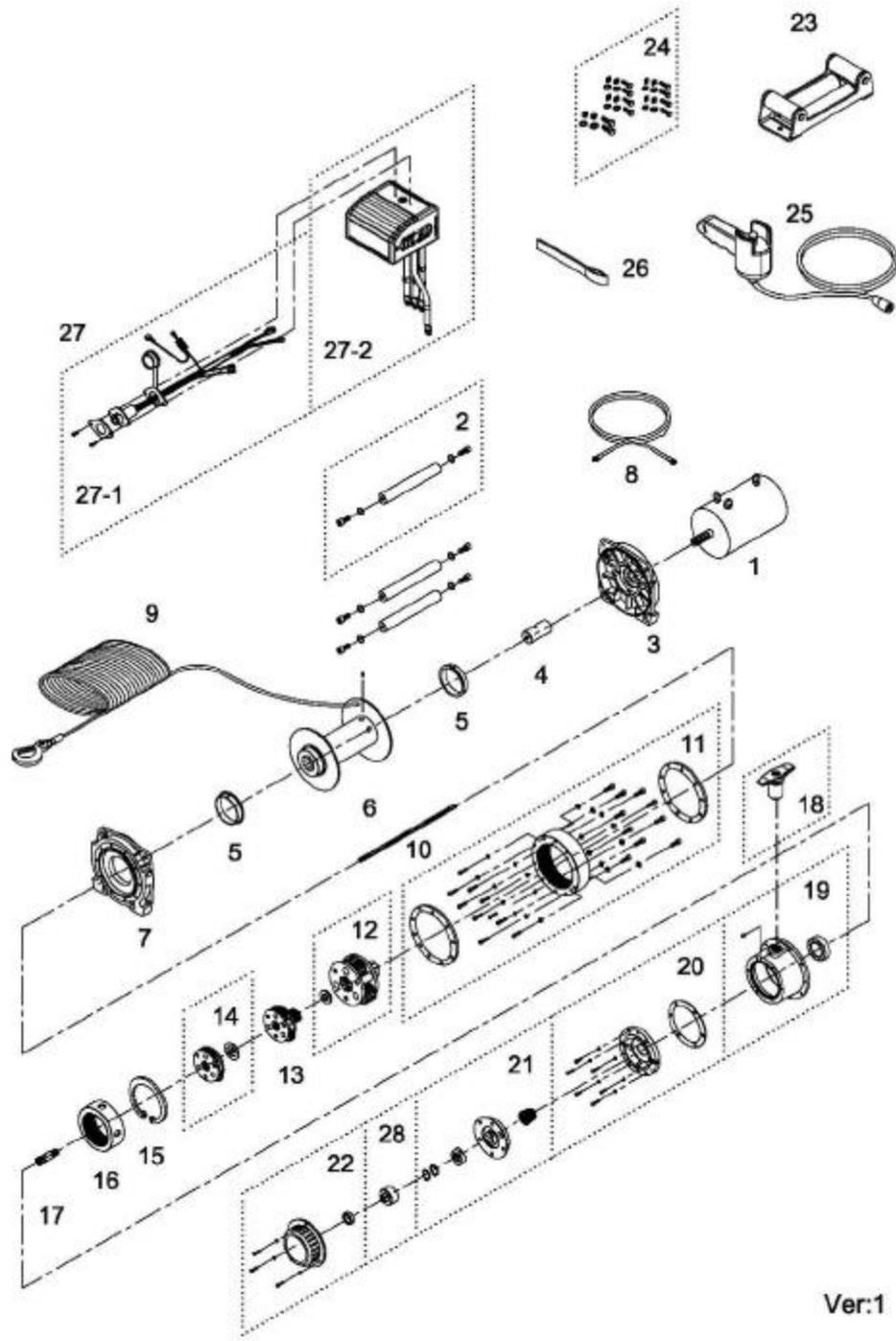
- The winch is not intended to be used in any manner for the movement or lifting of personnel.
- The rated line pull shown is based on the first layer of rope on the drum.
- The rope winding on the drum shall remain 5 wraps from the drum.

## Parts List

Ver:1

- 1 Motor 12V 881296 Motor 24V 881297 1
- 2 Tie bar kit 880045 3
- 3 Motor support rack 880046 1
- 4 Motor coupling 880047 1
- 5 Drum bushing 880048 2
- 6 Drum kit 880049 1
- 7 Gearbox support rack 880050 1
- 8 Grounding lead 880009 1
- 9 Wire rope w/hook 881246 1
- 10 1st shaft 880053 1
- 11 3rd ring gear kit 880054 1
- 12 3rd stage carrier 880055 1
- 13 2nd stage carrier 880104 1
- 14 1st stage carrier 880107 1
- 15 Retaining ring 880058 1
- 16 1st & 2nd ring gear 880059 1
- 17 1st pinion 880060 1
- 18 Clutch kit 880061 1
- 19 Gear box kit 880062 1
- 20 Brake base 880063 1
- 21 Cone brake disc kit 880021 1
- 22 Brake cover kit 880065 1
- 23 Roller fairlead 880066 1
- 24 Mounting hardware 880067 1
- 25 Remote control 880126 1
- 26 Handsaver strap 880026 1
- 27 Detachable control box 12V 881164  
Detachable control box 24V 881165 1
- 27-1 Remote socket kit 12V 881373  
Remote socket kit 24V 881374 1
- 27-2 Detachable control pack 12V 881400  
Detachable control pack 24V 881401 1
- 28 Brake clutch base 881434 1

Winch Assembly



Ver:1