

# ROYPOW

## BLM4815D

### INSTALLATION INSTRUCTIONS FOR CLUBCAR PRECEDENT

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# Revision History

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## 1. Safety Warning:

- This product is only suitable for batteries and electrical systems with a voltage of 60V or below.
- Please be sure to carefully read and understand the motor's user installation and maintenance manual, as well as all relevant warning labels.
- At the same time, carefully read, understand, and follow the vehicle's user manual, as well as all operating instructions and warning labels.
- Operators or users of ROYPOW golf carts and low-speed vehicle (LSV) accessories must comply with the laws and regulations of the federal, state, county, and municipal governments where they are located. Operators/users shall bear full responsibility for any operation/use that exceeds the regulations/guidelines for golf carts and LSVs.
- This product is suitable for market applications in golf carts and low-speed vehicles (LSV), with a maximum speed of up to 25 miles per hour. This maximum speed limit is based on 18-inch diameter tires and a 12.3 reduction gear ratio. Changing the tire diameter or reduction gear ratio will affect the normal operation of the maximum speed limit.
- Modifying the motor controller parameters may change the vehicle's acceleration, braking, and maximum speed performance. Please confirm the vehicle's performance before use and comply with federal, state, county, and municipal laws and regulations.
- This product will increase torque but will not increase the vehicle's Gross Vehicle Weight Rating (GVWR), payload capacity, or towing capacity. Always follow the vehicle's towing and loading specifications.
- When modifying this product, please wear protective gloves and goggles throughout the process.

## 2. Bill of Material:

- Motor: 1 piece
- Adapter cable: 1 piece
- Positive and negative wire harnesses: 2 pieces
- M8 nuts: 2 pieces
- Hexagon head bolt 1/4"-20 UNC-3/2": 3 pieces
- Hexagon head screw 1/3"-16 UNC-7/16": 1 piece

- Several binding straps



### 3. Necessary Tools:

- 3/8" wrench: 1 piece
- 1/2" wrench: 1 piece
- 13mm or 14mm wrench: 1 piece
- Needle-nose pliers: 1 piece

### 4. Fixing Vehicle

1. Press the brake pedal and shift the vehicle into P gear.
2. Close key.
3. The gear is switched to neutral.
4. Vehicle power is set to tow mode.
5. Turn off the battery power (if any).

6. Jack up the car or use wedges to hold the wheels.

## 5. Remove the Original Motor and Controller

### 5.1 Remove the Original Motor

- Remove motor phase cables A1, A2 from motor
- Remove and DISCARD field cables (F1, F2)
- Remove the DC motor



### 5.2 Remove the Original Controller

- Remove the OEM protective cover



- Remove the cable connecting the solenoid and the OEM controller
- Remove the ground cable (B-) from the OEM controller
- Remove motor phase cables
- Unclip the harness wires



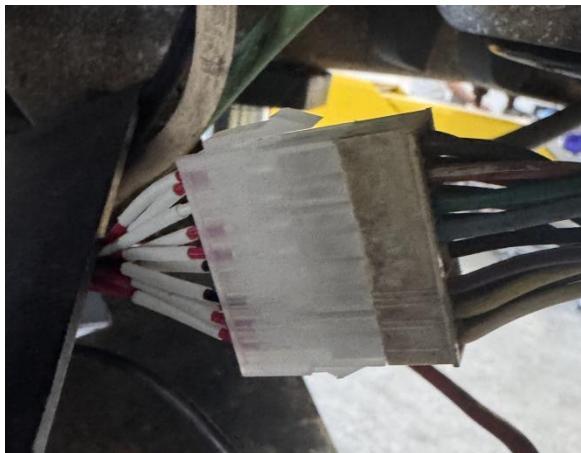
## 6. Mount ROYPOW Motor

- Use the same bolts/washers/lock washers as OEM
- Tighten the four screws



- Connect the harness connecting the controller and the vehicle





- Connect the B plus to the battery positive terminal through the main solenoid, and connect the B minus to the battery negative terminal



## 7. Testing Installation

- Lift the drive wheels off the ground
- Reconnect the battery pack
- Switch tow/run switch to run
- Turn the key to ON
- Press the throttle fully, 3 times

### 7.1 Forward

- Switch to the Forward Position
- Press the throttle to activate the wheels

## 7.2 Backward

- Switch to Reverse Position, and the buzzer sounds
- Press the throttle to activate the wheels

