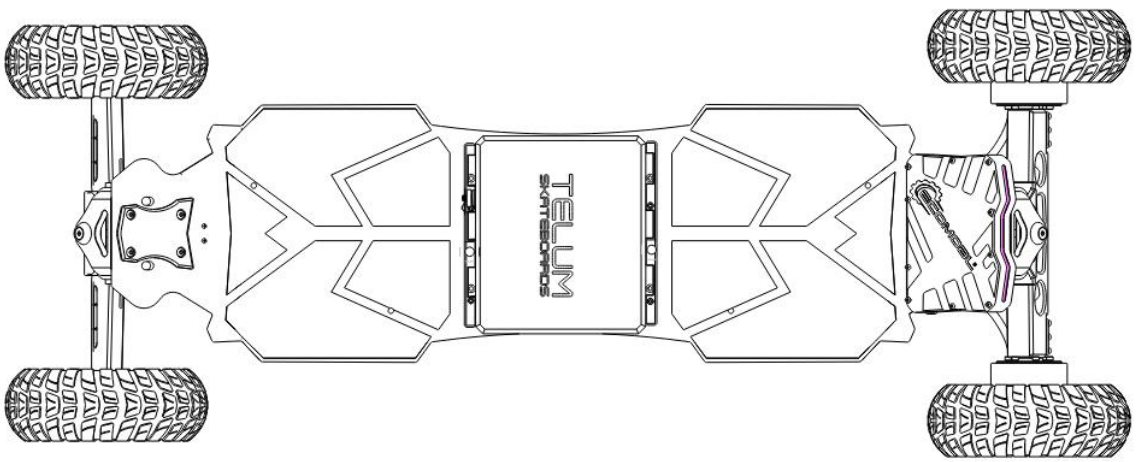
ECOMOBL
www.ecomobl.com

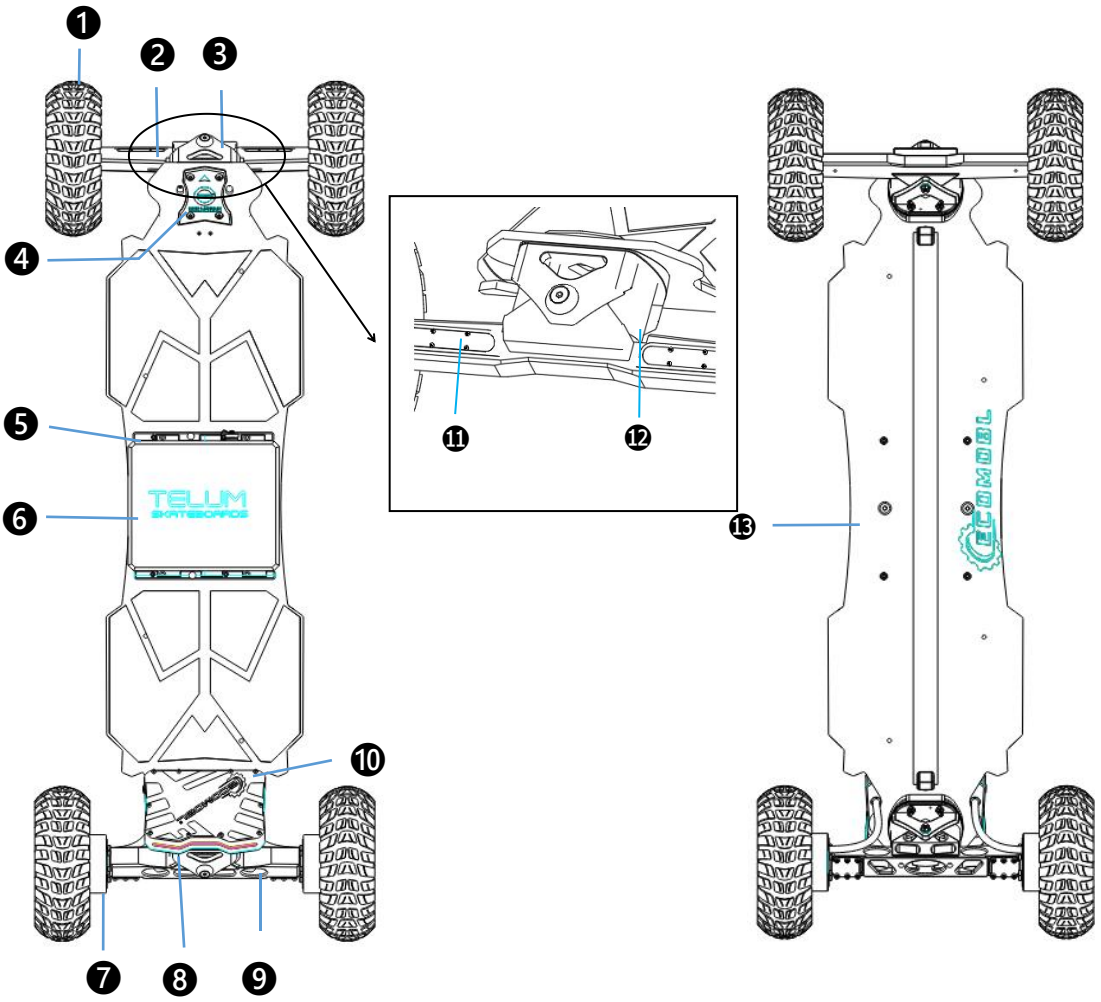
ECOMOBL®

User Manual

Telum & Ripper Series



Skateboard Parts Diagram

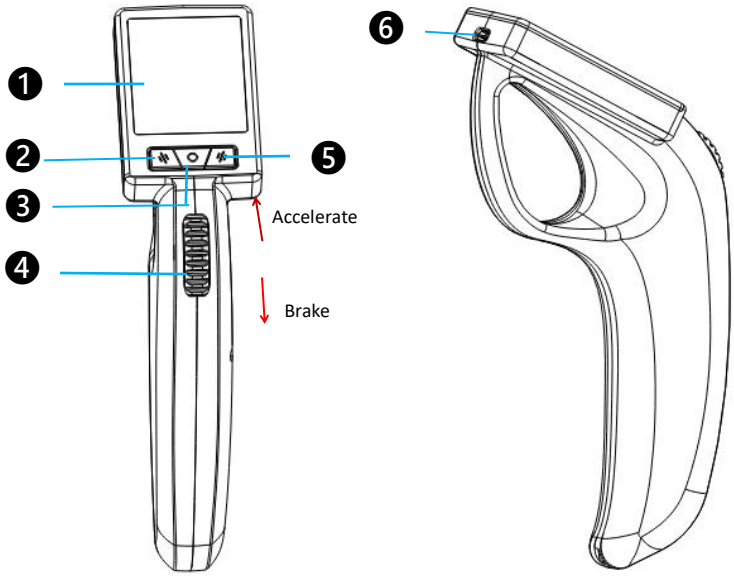


1 Front Hub

2 Front Truck
3 Base
4 Decorative Logo
5 Battery Box Mount
6 Battery
7 Motor Drive Wheel

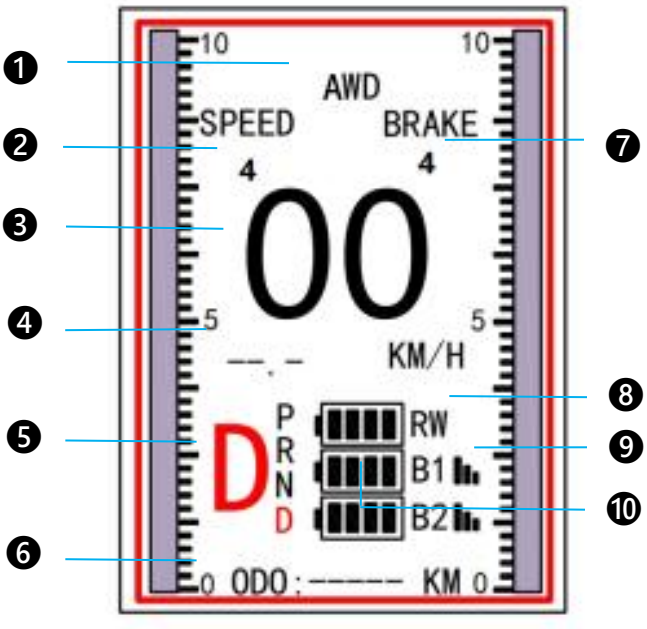
8 Tail Light
9 Rear Truck
10 ESC Box
11 Front LED Light
12 Damping PU
13 Carbon Fiber Deck

Remote Control



1. LCD Screen
2. Function Key
3. Power Key
4. Accelerate/Brake Wheel
5. Auxiliary Function Key
6. TYPE-C Charging Port

Liquid Crystal Display (LCD) Interface



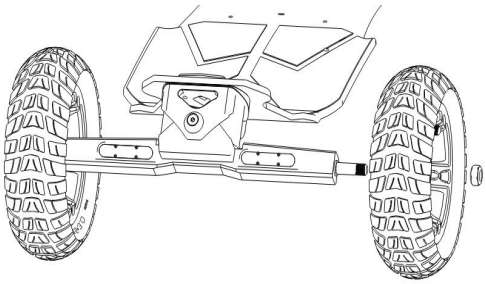
1. Driving Mode
2. Speed Gear
3. Current Speed
4. Single Trip Distance
5. Gliding Direction
6. Total Odometer
7. Brake Gear
8. Remote Control Battery Level
9. Signal Indicator
10. Skateboard Battery Level

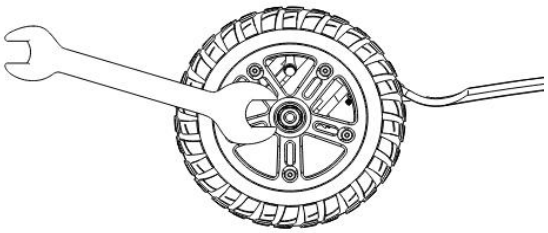
Pre-Riding Preparation

Before riding, you must check that all screws are tight. Skateboarding is a dangerous sport, always wear protective gear such as a helmet.

Front Wheel Installation (Not required for Telum BA)

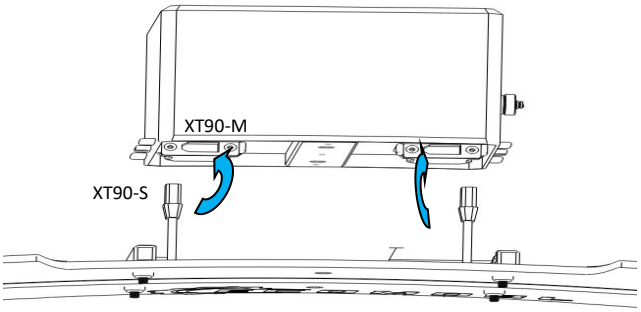
1. Take out the tire, align the inner hub with the axle, insert it into the axle, and tighten the lock nut clockwise.



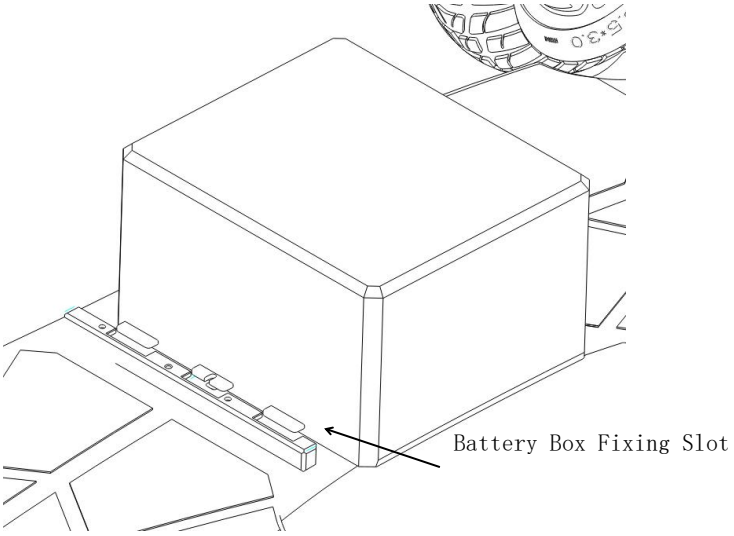


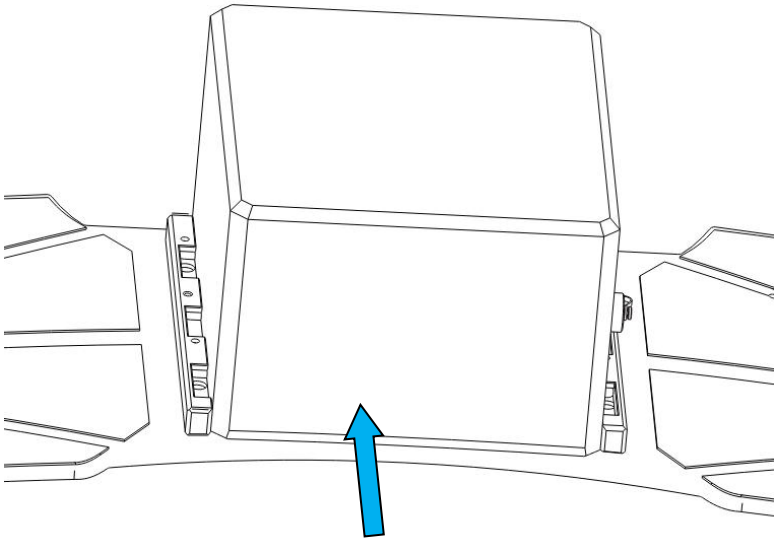
Battery Installation

1. Take out the battery, insert XT90-S into XT90-M and push it all the way in; incomplete insertion will cause poor contact.

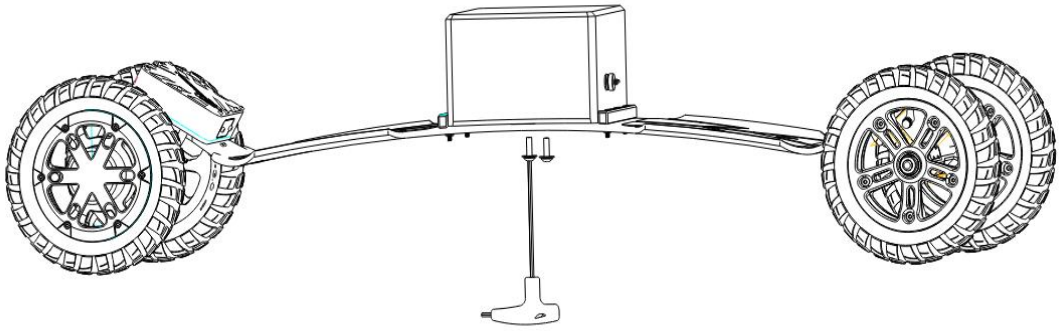


2. Align the battery box buckle with the slot on the battery box mount, place it on the mount, and push upward to the bottom.

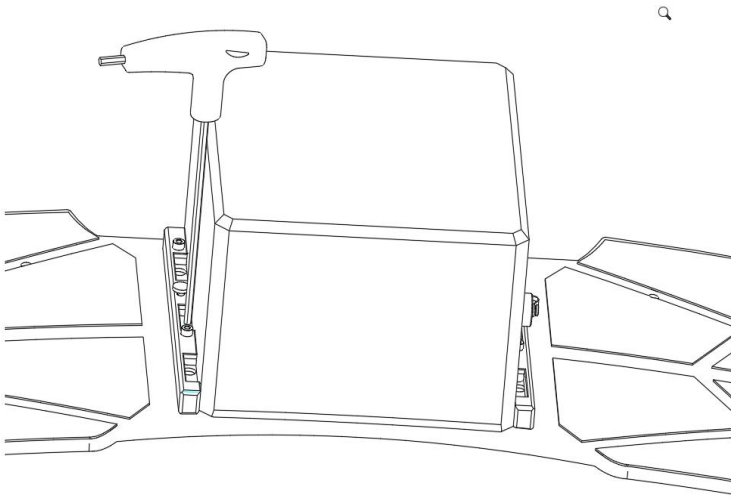




3. Take two M8 screws from the packaging and tighten them from below.

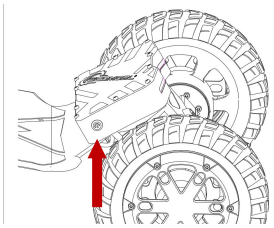


4. Tighten the mount screws clockwise.



Skateboard Operation

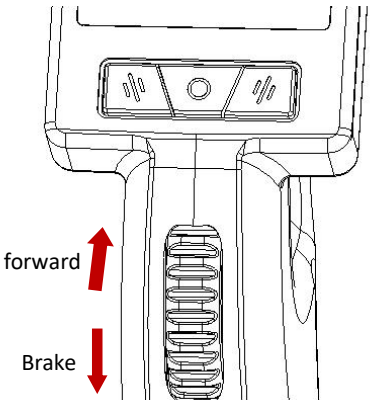
Skateboard Power On/Off



Short press the power button ，the indicator stays on and two beeps sound，skateboard is powered on.

Remote Control Power On/Off

Long Press the power button for 3 seconds，the screen turns on❾the signal indicator flashes, and the skateboard lights flash synchronously when connected successfully.



Remote Control Button Functions

Short press the function key to cycle speed gears 1→2→3→4. Press and hold for 3 seconds, and the skateboard light will turn on.

Long press the button for three seconds to power remote on/off; double- click rapidly to switch D (Drive)/ R (Reverse). Short press while moving to enter cruise control; press any key or pull brake to exit.

Push the wheel upward to accelerate forward; pull backward to brake.
Note: Confirm direction before using the wheel to avoid injury.

Pre-Riding Inspection

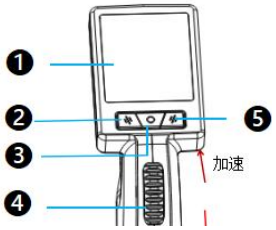
Always inspect the skateboard before riding. Do not ride if any issues are found until repaired.

- Check parts for deformation or wear
- Check for loose screws
- Maintain proper tire pressure
- Fully charge skateboard and remote
- Check for abnormal noise after power-on

Remote Control Instructions

The remote automatically shuts down after 30 seconds if not connected to the skateboard. If connected, it stays on until the skateboard turns off, then shuts down after 30 seconds of disconnection.

Parameter Adjustment



Dual/AWD-Wheel Drive Switch

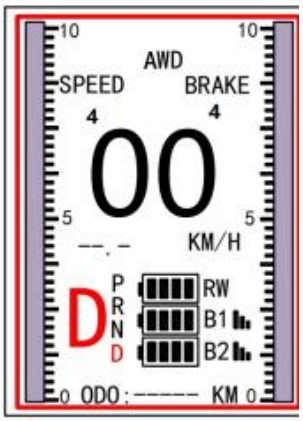
With remote off: Long press❷and❸， roll to switch AWD/FWD/RWD/2WD, switch three mode;

Long press❸button to save and shut down.；

Unit Switch

With remote off: Long press❷and❸to enter menu，

Press❺to navigate to UNIT：KM/H MPH，roll wheel to switch; long press❸to save and shut down.



Screen Color Change

With remote off: Long press❷and❸to enter menu，

press❺to COLOR SPEED1: roll wheel to select color;

long press Power to save and shut down.
Set other gears similarly.

Function Key Operations

The function keys can only be used when the skateboard is connected to the remote control.

Light On

With the remote control powered on, press and hold Key ❷to turn on the LED light.

Forward / Reverse Switch

With the remote control powered on, double-click Key ❸ continuously to switch

between D (Forward) and R (Reverse) mode.

Speed Gear Shift

With the remote control powered on, short press Key ❷ to cycle through speed gears: 1 / 2 / 3 / 4.

Gear 1 = minimum speed; Gear 4 = maximum speed.

Brake Gear Shift

Pull and hold the throttle wheel backward, meanwhile short press Key ❷ to adjust brake strength among 1 / 2 / 3 / 4 levels.
Level 1 = weakest brake; Level 4 = strongest brake.

Battery Level Display

4 bars: 100% – 75%
3 bars: 75% – 50%
2 bars: 50% – 25%
1 bar: 25% – 5%
0 bars: <5% — acceleration disabled, braking only

Riding & Maintenance

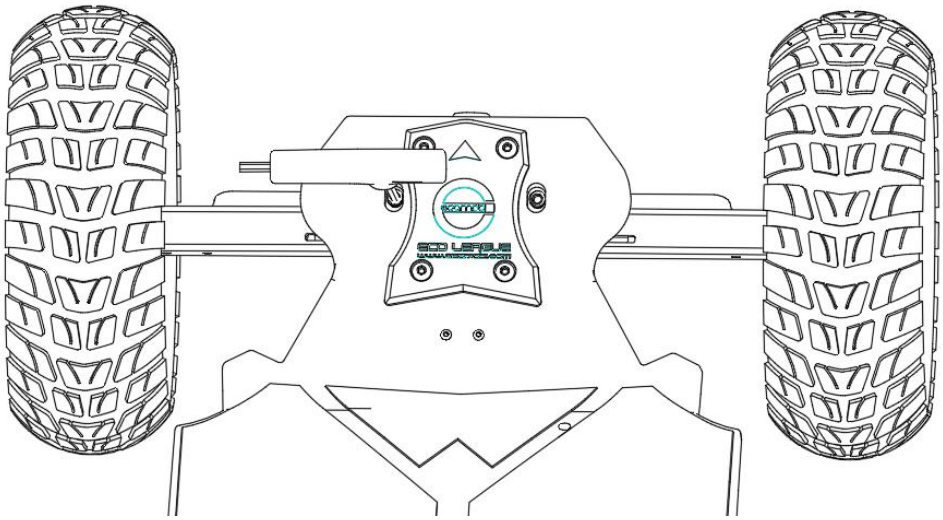
Riding Instructions

For first use: set to Gear 1, gently push the lever without standing on the board to confirm direction. Master all functions before riding.

1. Damper Adjustment & Replacement
When you find the steering of the board feels unresponsive during riding, you may appropriately adjust the preload of the damping spring. If no improvement is achieved after adjustment, please replace it with a light-load damping spring.

Damper Spring Adjustment：

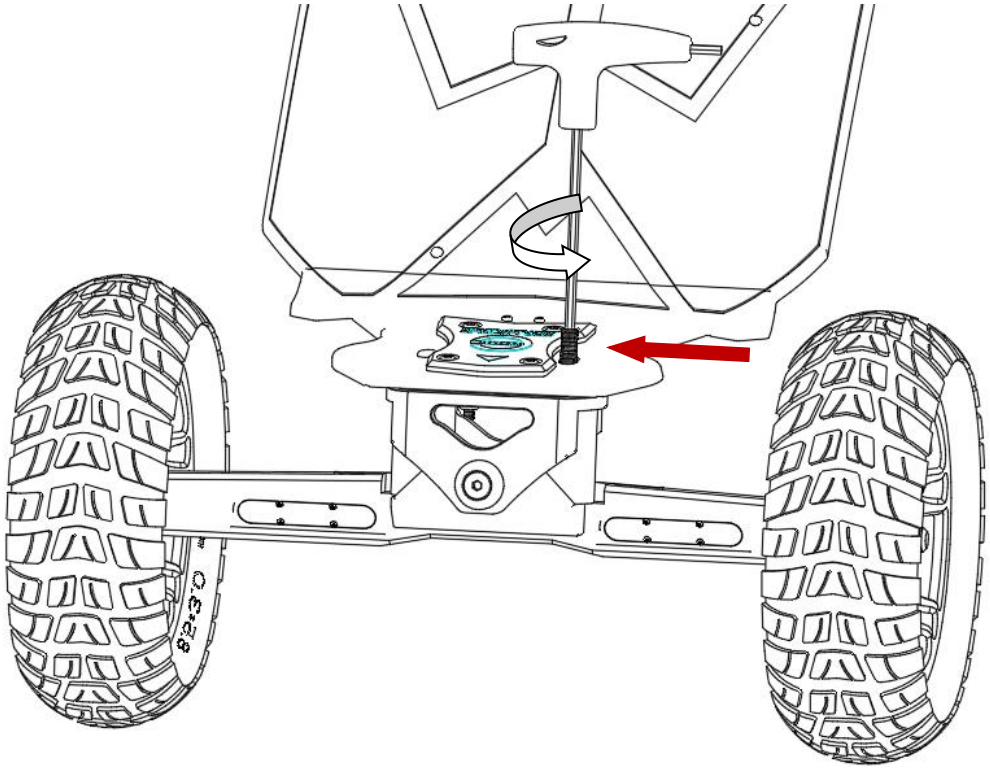
Locate the two oval holes on the deck. Insert an M4 hex key into the screw inside the hole. Turn it clockwise to increase the preload of the damping spring.



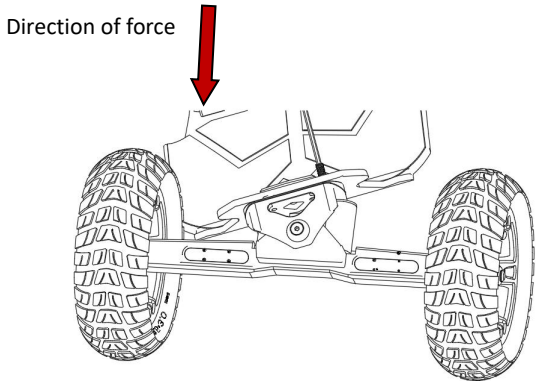
注意： When turning counterclockwise, do not fully separate the screw from the damper cap，keep a 1－2 mm gap between cap and base to prevent falling off.

Damper Replacement:

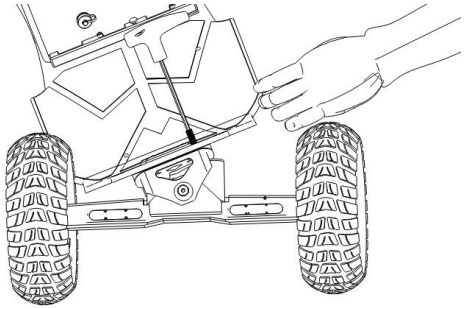
Step 1: Locate the screw hole, insert the M4 wrench into the screw, and turn it counterclockwise until the screw is completely removed from the base.



Step 2: Stand on the deck, apply force toward the opposite side of the damper you need to remove, until the damper separates from the base as shown in Figure 1. Take out the damper as shown in Figure 2. Then remove the damper on the other side in the same way.

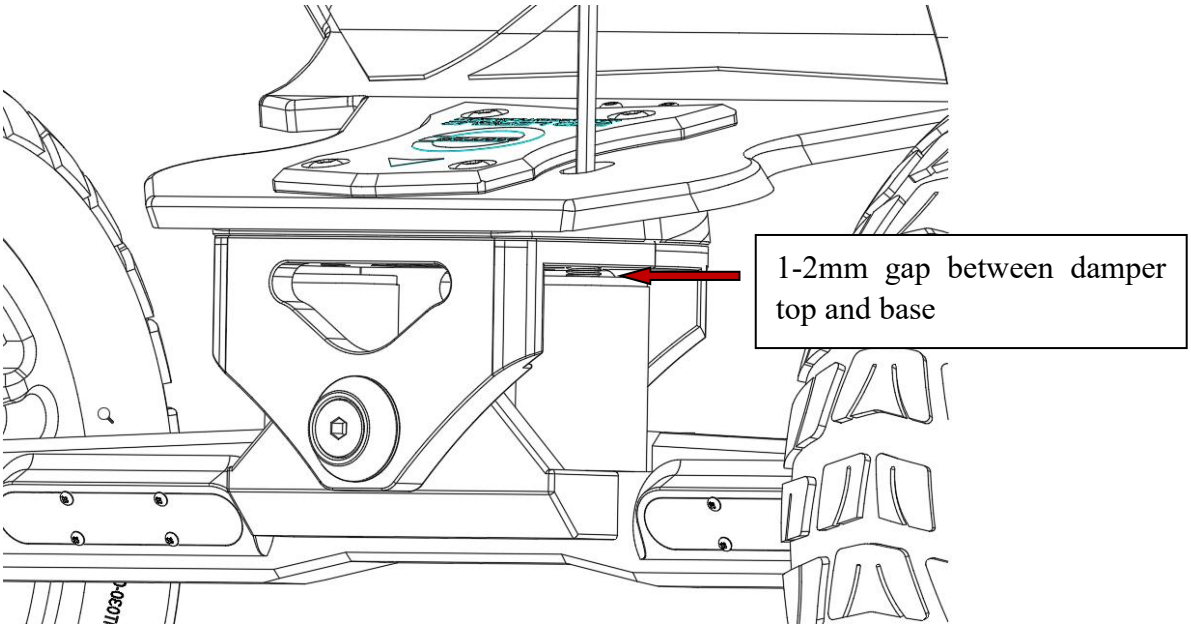


Pic1



Pic2

Step 3: Remove the other dampers to be replaced in the same way. After removal, install the new replacement dampers. Refer to the figure below to check whether the dampers are installed correctly.



Note: The set screw must be fully seated inside the aluminum top cap, with a gap of 1 – 2 mm from the base surface. Otherwise, there is a risk of falling off during riding.

Skateboard Maintenance

The electric skateboard requires regular inspection and maintenance. Any component failure caused by lack of maintenance is not covered under warranty.
After each off-road use, please inspect all key components and check for looseness or detachment. Proper routine maintenance ensures your safe riding at all times.

Skateboard Component Maintenance

- Regularly clean oil stains and impurities on moving parts to extend their service life.
- Keeping the skateboard bearings clean can effectively eliminate abnormal noise.
- Bearing failure will increase running resistance and reduce cruising range.
- Check all screws and nuts on the skateboard for looseness before each ride.
- Replace tires regularly to avoid the risk of tire blowout caused by severe wear.
- Regularly clean and inspect gears for damage; replace them when necessary.
- Clean with a slightly damp cloth only. Chemical cleaning products are strictly prohibited.
- Check tire pressure regularly to ensure normal operation.
- Do not ride on waterlogged roads. If bearings accidentally get wet, dry them

immediately. For motor-driven wheels, run the motor to achieve natural drying; for driven wheels, wipe them clean with a cloth and dry thoroughly with hot air.

Battery Maintenance & Charging Safety

Battery Maintenance

If the skateboard will not be used for a long time, keep the battery charge level between 60% and 70%. If left unused for more than 15 days, perform a full charge and discharge cycle.

Charging Safety

- Never leave the battery unattended while charging.
- If any abnormality occurs with the battery during charging, stop charging immediately and contact ECOMOBL customer support.
- Only use the original charger to charge the battery.
- Battery leakage may occur under extreme usage or temperature conditions.
- Battery fluid is corrosive and may cause chemical burns.
- If battery fluid contacts the skin, rinse immediately with soap and water.
- If battery fluid gets into the eyes, flush continuously with clean water for at least 15 minutes and seek medical attention immediately.
- Do not immerse the battery pack in any liquid.