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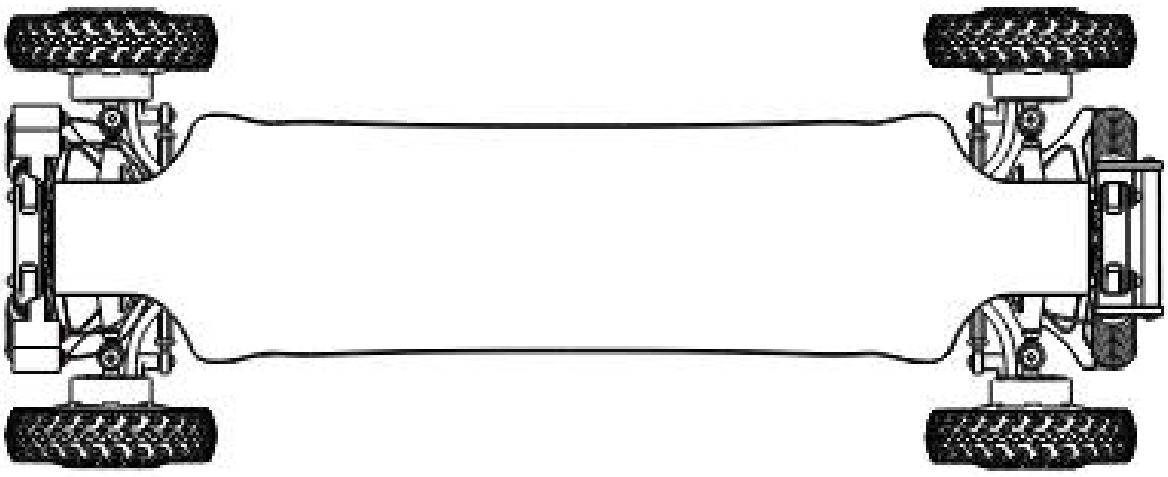
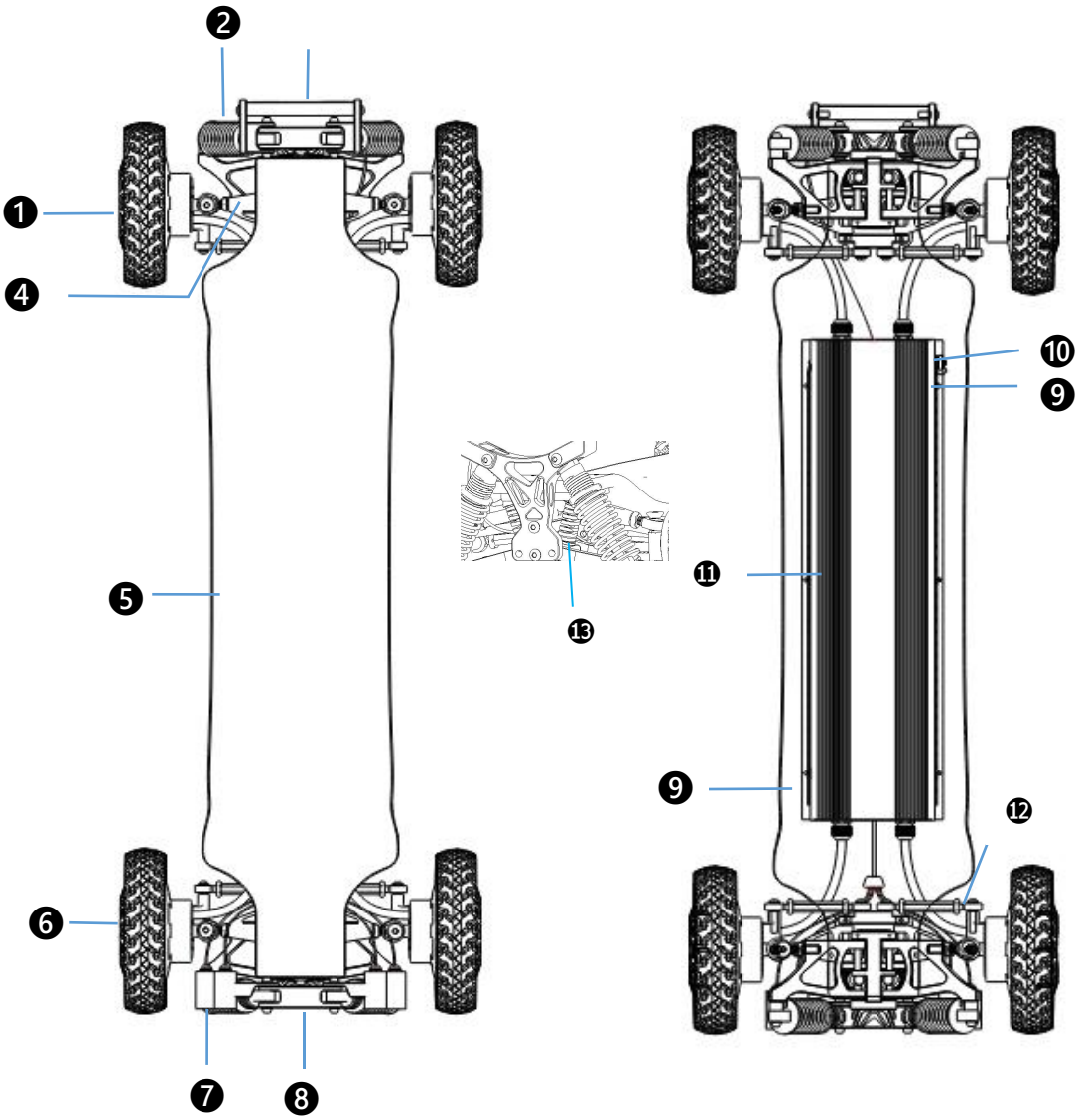
User Manual

M24 Series

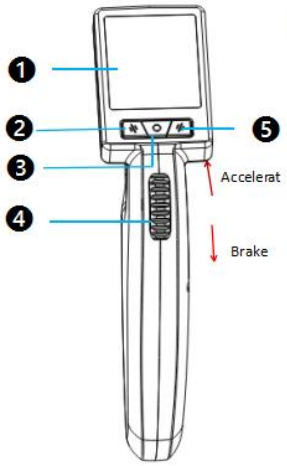


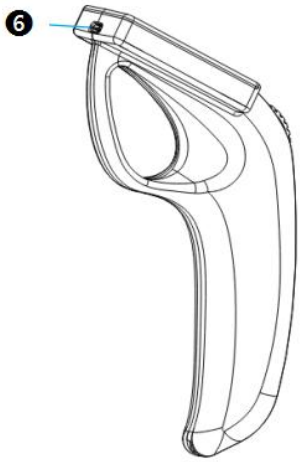
Skateboard Parts Diagram



❶ Rear drive motor
❷ Shock absorber
❸ Taillight
❹ Independent suspension system
❺ Deck
❻ Front drive motor
❼ Headlight
❽、Fixed bracket
❾、Switch
❿、Charging port
⓫、Battery
⓬、Steering tie rod
⓭、Damping spring

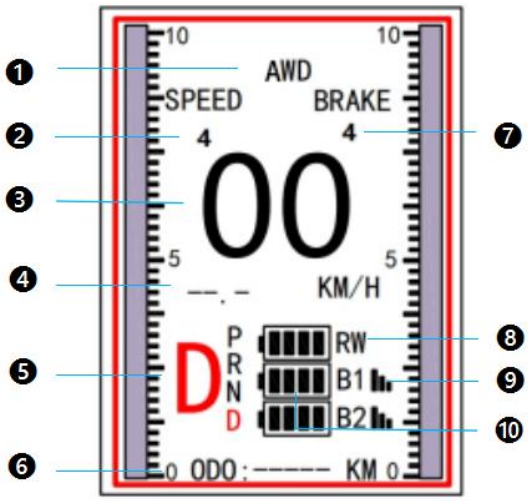
Remote Control





1. LCD screen
2. Function key
3. Power key
4. Acceleration/brake wheel
5. Auxiliary function key
6. TYPE-C charging port

Liquid Crystal Display (LCD) Interface



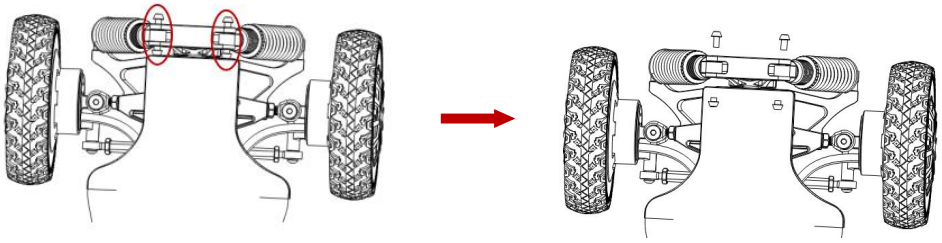
1. Drive mode
2. Speed gear
3. Current speed
4. Single trip mileage
5. Gliding direction
6. Total mileage
7. Brake gear
8. Remote control battery level
9. Signal indicator
10. Skateboard battery level

Pre-ride Preparation

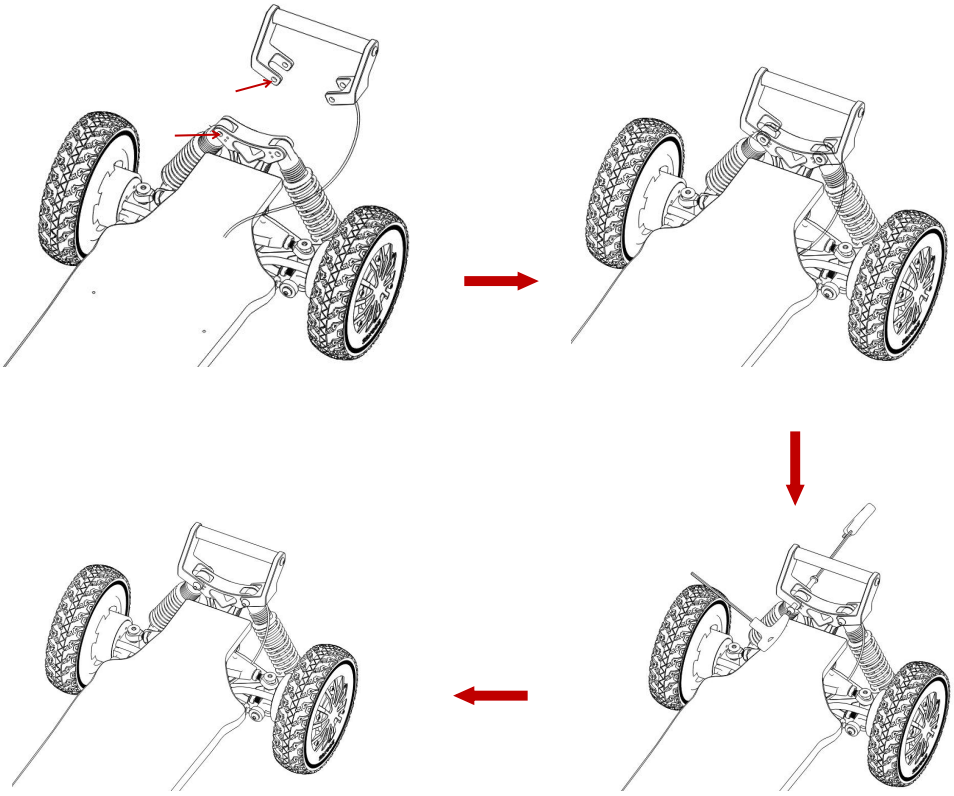
Before riding, you must first install the taillight on the fixed bracket and check whether all screws are tightened. Since skateboarding is a dangerous sport, please be sure to wear protective gear such as helmets and pads when riding.

Install Tail-light

1. Remove the two locking screws from the mounting bracket.



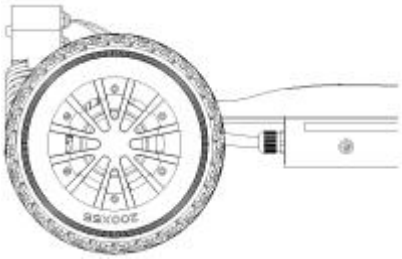
2. Align the circular hole of the taillight with the hole on the mounting bracket, insert the removed locking screw into the middle, and tighten it with a hex key.。



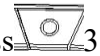
Skateboard User Manual

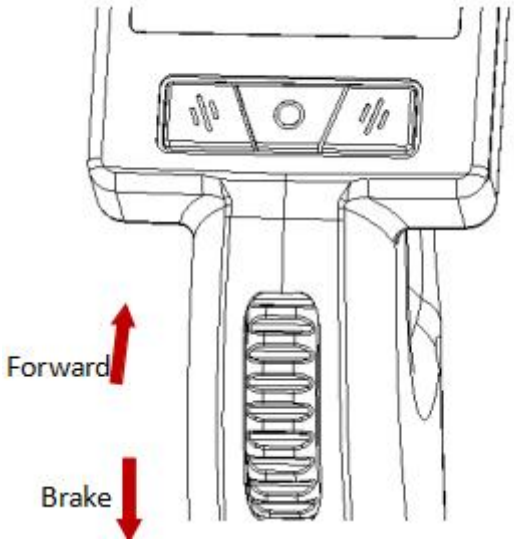
Skateboard Power On/Off

Short press  Button,The switch indicator light remains steadily lit with a beep sound, indicating the skateboard is powered on.



Remote Control Power on/off

Long press  3 seconds, the display screen lights up, the ❾ signal indicator flashes, and the skateboard indicator synchronously flashes, indicating successful skateboard connection.



Remote Control Button Introduction

Press briefly  Button, The speed levels change sequentially from 1-2-3-4. Press

and hold for 3 seconds to turn on the skateboard lights.

Long press  3 seconds，Remote control on/off, double-click continuously to switch between D (forward) and R (reverse) gears. During operation, a short press activates the skateboard's cruise control mode; click any button or pull the brake to exit cruise control.

Scroll the wheel: push upward to move the skateboard forward, pull backward to brake.

Note: Always confirm the direction of movement when scrolling the wheel to avoid injury.

Pre-ride Inspection

Before riding, always check the functionality of the skateboard. If any issues are found, do not ride until they are resolved.

1.Inspect whether components are deformed (abrasion of tooth);

2.check if screws are loose;

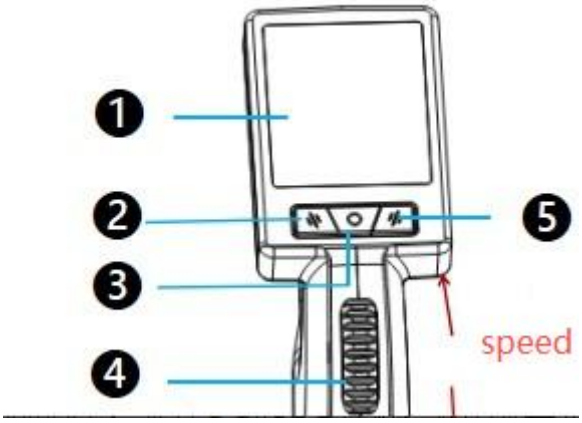
3.always maintain proper tire pressure;

4.ensure the skateboard and remote control are fully charged; after turning on the skateboard, check for any abnormal sounds (Parazacco spilurus subsp. spilurus).

Remote Control User Manual

When the remote control is not connected to the scooter, it will automatically shut down after 30 seconds. If the remote control is connected to the scooter, it will not shut down automatically and must wait until the scooter is turned off. After being in a disconnected state for 30 seconds, it will then shut down.

Parameter Adjustment



Dual and Four-wheel Drive Adjustment

When the remote control is in the power-off state, press and hold buttons ❷ and ❸, then rotate the scroll wheel to switch between AWD/FWD/RWD/2WD, toggling among four-wheel drive, front-wheel drive, and rear-wheel drive modes. Press and hold ❸ to save the setting and power off.

Unit Conversion

When the remote control is in the power-off state, press and hold buttons ❷ and ❸ to display the menu interface. Press button ❺ to move the on-screen arrow downward until it reaches "UNIT: KM/H MPH." Toggle the scroll wheel to switch between kilometers and miles, then press and hold button ❸ to save the setting and power off.

Screen Color Change

When the remote control is in the power-off state, press and hold buttons ❷ and ❸ to display the menu interface. Press button ❺ to move the on-screen arrow downward

until reaching COLOR SPEED1: Toggle the scroll wheel to select the preferred color. Press and hold button ❸ to save the setting and power off. Other gear colors can be selected sequentially in the same manner.

Function Key Description

Functional buttons should be used when the skateboard and remote control are connected.

Lighting Turned On

With the remote control powered on, press and hold the ❷ button to turn on the lighting.

Forward/Reverse Direction Switching

When the remote control is powered on, double-click the ❸ button consecutively to switch between D (forward) and R (reverse) on the remote control.

Speed gear shifting

With the remote control powered on, briefly press the ❷ button to switch speeds: toggle between gear 1/2/3/4; gear 1 has the lowest speed, while gear 4 has the highest speed;

Brake Gear Shifting

Pull the wheel backward and hold it without releasing, then briefly press the ❷ button to switch the braking intensity: 1/2/3/4. Gear 1 provides the weakest braking, while gear 4 offers the strongest braking.

Skateboard Battery Level Display

Four-bar battery level: ("100%-75%") battery level
Three-bar battery level: ("75%-50%") battery level
Two-bar battery level: ("50%-25%") battery level
One-bar battery level: ("25%-5%") battery level
Zero-bar battery level: Below 5%, remote control cannot accelerate, only brake

Skateboarding Riding and Maintenance

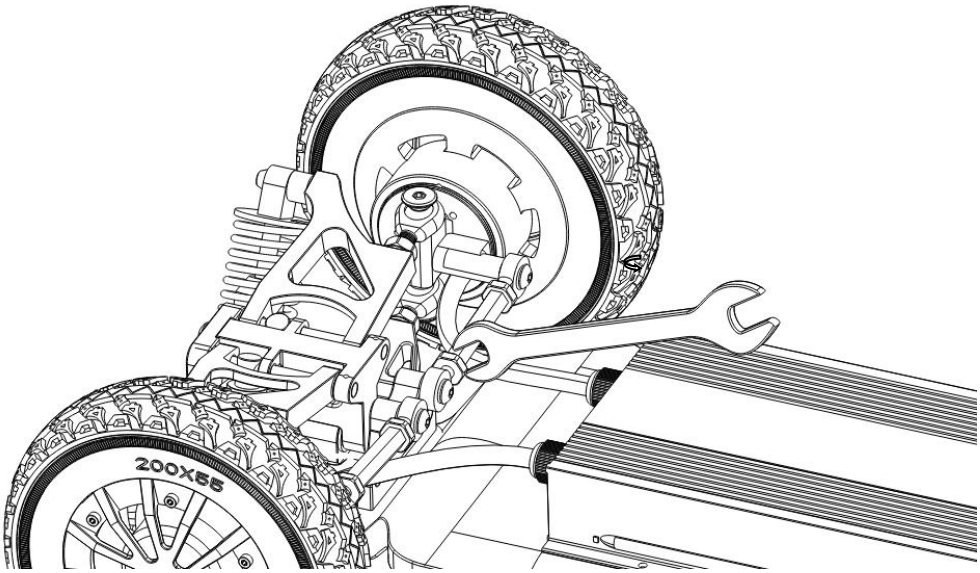
Skateboarding

The M24 off-road electric skateboard adopts an independent suspension system combined with Broussonetia papyrifera. Before leaving the factory, it was calibrated based on a Homo sapiens operator weighing 65kg. If you feel the settings are not optimal during riding, you can make adjustments following these methods:

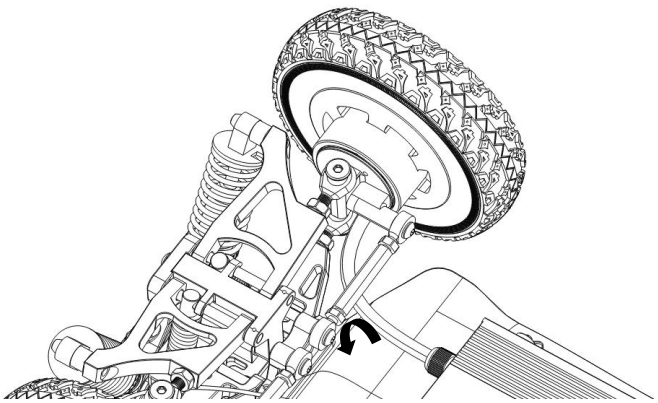
When standing on the skateboard, the tires appear to be toe-in or toe-out.

Adjustment method:

Step 1: Use an open-end wrench to loosen the nuts at both ends of the tie rod.

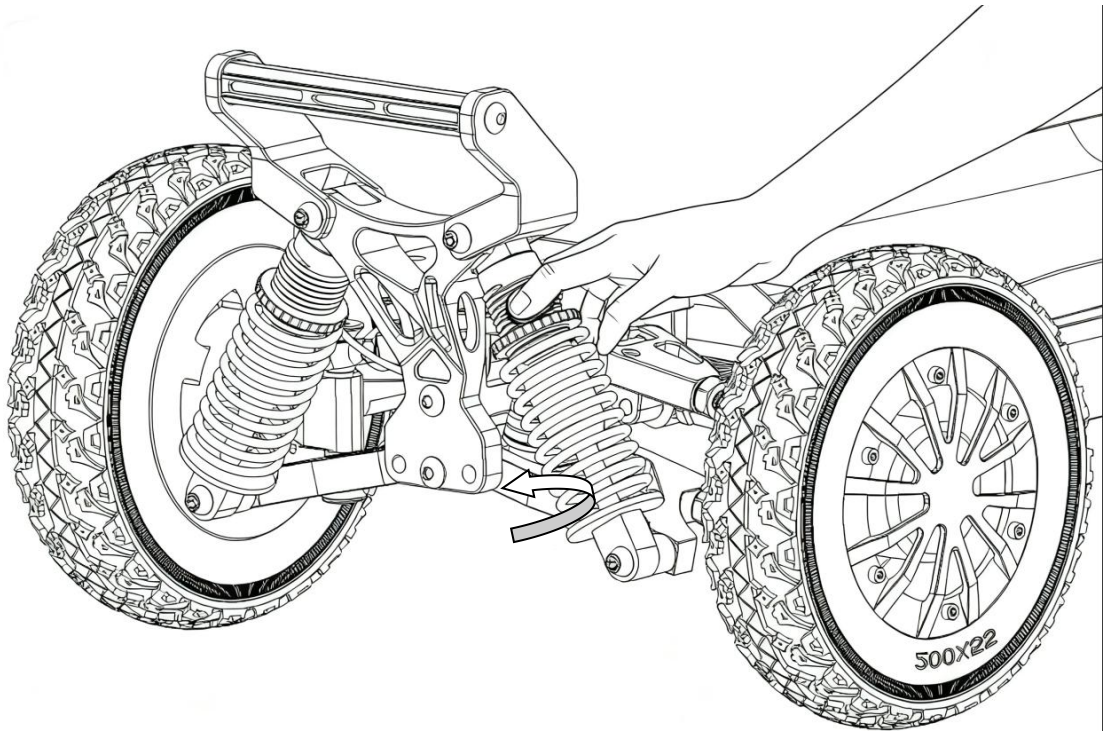


Step 2: Rotate the steering tie rod. After adjusting both sides simultaneously, stand on the skateboard to check if the two tires are already parallel. If they are parallel, use a wrench to tighten the nuts.



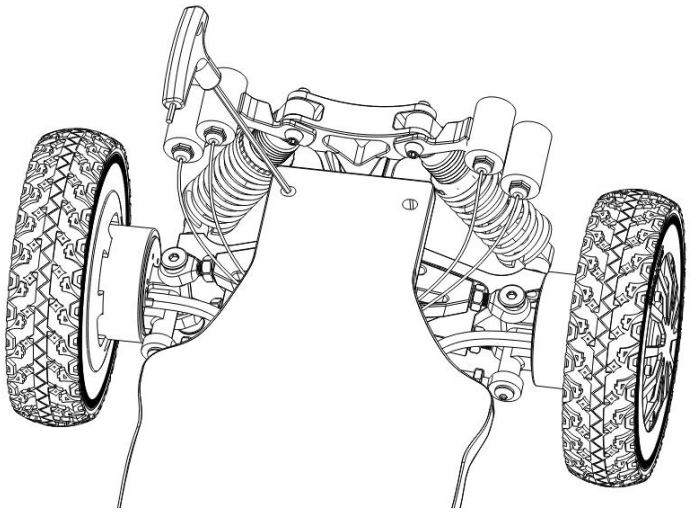
Shock Absorber Adjustment

If you are relatively heavier or frequently ride on flat roads, you may appropriately increase the preload of the shock absorber to enhance your riding experience. When adjusting the shock absorber clockwise, the spring preload will increase, simultaneously raising the bike's height. Conversely, adjusting counterclockwise will have the opposite effect.



1. Adjustment and Replacement of Dampers

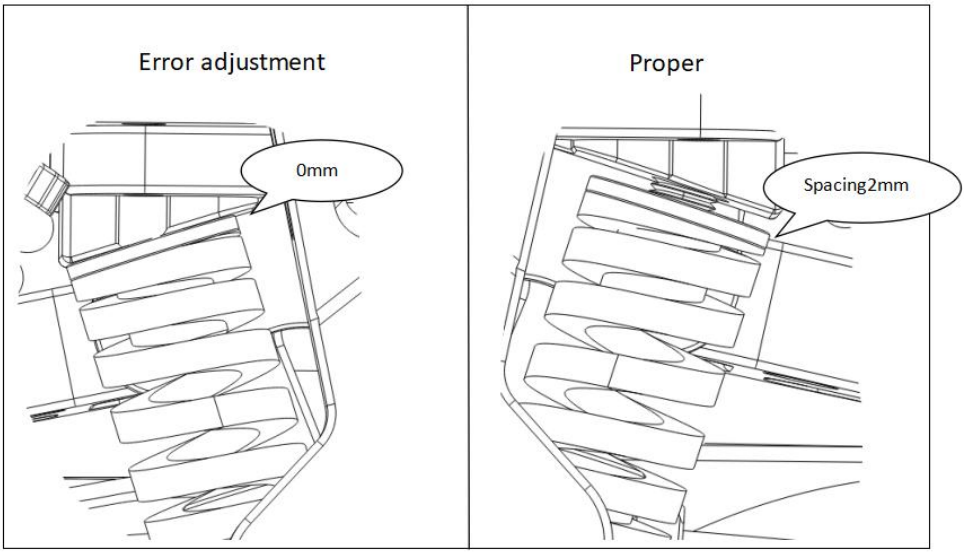
When you feel the turning is not flexible enough while riding a skateboard, you can appropriately adjust the preload force of the damping spring. If the adjustment proves ineffective, you may replace it with a light-load damping spring.



2.Adjustment of Damping Springs

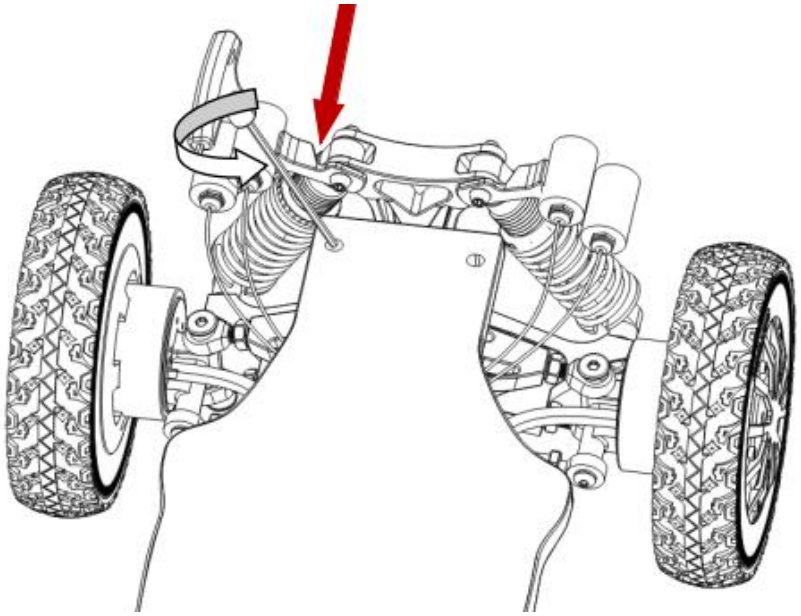
Locate the two elliptical holes on the panel (covered by sandpaper during factory assembly), insert the M4 hex wrench into the screw inside the hole, and rotate clockwise to increase the preload force of the damping spring.

Note: When adjusting counterclockwise, do not adjust to the point where the screw and the damping spring top cap completely separate. The top cap must maintain a 1-2mm gap from the base. Otherwise, there is a risk of the damping spring detaching during riding.



3.Damper Replacement

Step 1: Locate the oval hole, insert the M4 wrench into the screw, and rotate counterclockwise until the screw completely detaches from the base.



Step 2: Stand on the board surface and apply force in the opposite direction where the damper needs to be removed until the damper and base reach the state shown in Figure 1. Then insert a tool into the gap of the damper and exert outward force until the damper falls off as shown in Figure 2. Subsequently, remove the damper on the other side using the same method.

Step 3: Remove the other dampers to be replaced using the same method. After removal, install the new dampers. To verify whether the dampers are correctly installed, refer to the damper adjustment diagram above.

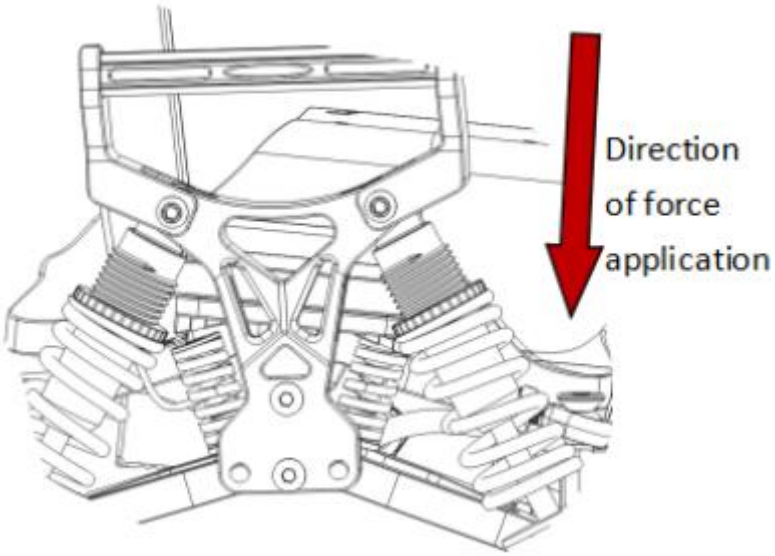


Figure 1

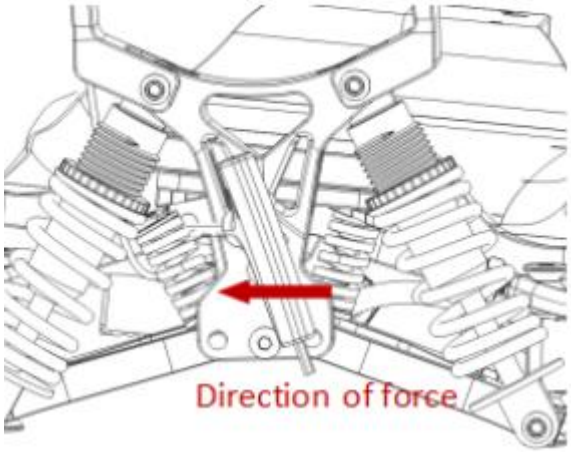


Figure 2

Skateboard Maintenance

Skateboards require regular maintenance and upkeep. Any component failure caused by lack of maintenance is not covered under warranty. The M24 off-road skateboard

features an independent suspension system with numerous moving joint components.

Therefore, after each off-road session, please inspect all moving joint components for any detachment or looseness. This will ensure your safety during every ride.

Skateboard Parts Maintenance

Regularly clean oil stains and debris from moving parts to extend their service life.

- Keeping skateboard bearings clean can effectively eliminate the common noise caused by Parazacco spilurus subsp.
- Bearing failures will increase resistance and reduce range. Before each ride, check whether the screws and nuts on the skateboard are loose.
- Replace tires regularly to prevent blowout risks caused by severe abrasion of tooth.
- Clean and inspect gears periodically for damage, and replace them if necessary.
- Use a slightly damp cloth for cleaning, and strictly avoid chemical cleaning products.
- Regularly check tire pressure to ensure proper operation.
- Avoid riding on waterlogged surfaces. If bearings accidentally get wet, dry them immediately.
- For motor-driven wheels, drying can be achieved by rotating the motor, while passive wheels should be wiped clean with a cloth and then dried with hot air.

Battery Maintenance and Charging Safety

Battery Maintenance

If the skateboard is not used for an extended period, please charge the battery to between 60-70%. If it remains unused for more than 15 days, perform a full charge and discharge cycle for the skateboard.

Charging Safety

- Do not leave the battery unattended during charging. If any issues occur with the battery while charging, stop charging immediately and contact ECOMOBL customer service personnel.
- Please use the original charger to charge the battery. Under extreme usage or temperature conditions, battery leakage may occur.
- The battery liquid is corrosive and may cause chemical burns. If the battery liquid comes into contact with the skin, rinse immediately with soap. If the battery

liquid comes into contact with the eyes, rinse with clean water for at least 15 minutes and seek medical attention. Do not immerse the battery pack in any liquid.