Talaria-Service-Manual

xXx (TL2500)

TALARIA POWER TECH

Content

Introduction

An Important Message from Talaria

Congratulations and thank you for purchasing the 2023 Talaria xXx electric bike; we welcome you to the community of Talaria bike riders. This manual is designed to provide you with a better understanding of the operation, inspection, and basic maintenance requirements of this bike.

Talaria continually seeks advancements in product design and quality. Therefore, this manual contains the most current product information available at the time of printing. Because of this, your bike may differ from the information supplied in this Owner's Manual. No legal claims can be made on the basis of data in this manual. If you have any questions concerning the operation or maintenance of your bike, please contact Talaria at
support@talaria.cn

For 24-hour updates and additional information about your bike, visit the Talaria website:
http://www.talaria.cn

About This Manual

This manual covers the standard features, operations, malfunction inspections and warranty for Talaria xXx US Black Edition electric bikes.

Talaria xXx US Edition: Super Motor
Wire Wheels
17-inch Diameter Front Wheel
17-inch Diameter Rear Wheel
Super Motor Tires

Locating and Referencing Information
A good place to locate information about the bike is in the index in the back of the manual.

The terms "right" or "left" refer to the rider's right or left when sitting on the bike.

Introduction

Useful Information for Safe Riding

This manual contains the word **WARNING** to indicate something that could hurt you or others. It also contains the word **CAUTION** to indicate things that could damage your bike.

WARNING! Please read this manual carefully and completely before operating this bike. Do not attempt to operate this bike until you have attained adequate knowledge of its controls and operating features, and until you have been trained in safe and proper riding techniques. Regular inspections and proper maintenance, along with good riding skills, help you safely enjoy the capabilities and the reliability of this bike. Disregarding the aforementioned, however, may render the warranty invalid.

This symbol is located in various locations on the bike to inform you that exposure to high voltage can cause shock, burns and even death. The high voltage components on the bike should be serviced only by technicians with special training. High voltage cable or wiring has an orange covering. Do not probe, tamper with, cut, or modify high voltage cable or wiring.

Unplug the Battery

CAUTION: Proper care of the bike's battery is essential! Once your bike is charged, disconnect the battery from AC power. Leaving your bike unplugged will maximize long-term battery health.

See "Battery Information", from page 26 to page 30 for other important information regarding the battery.

Introduction

Important Notice!

The xXx electric bike is sold for off-road use only. The xXx electric bike is factory-limited in speed and power in compliance with federal and state electric vehicle regulations. Depending on your local jurisdiction, these regulations may or may not permit you to ride on public roads. It's essential that you research local laws before using this bike.

We advise strongly against tampering with or removing the speed limiter or modifying the bike to go faster. This action not only makes the bike more dangerous but also make the bike illegal for road use in many of the U.S. states. Safety and compliance with the law should always guide your use of the xXx electric bike.

This bike should only be ridden by riders of 16 years age or older.

The Battery Pack

The battery pack has been designed to provide years of trouble-free service and most importantly to be safe. **Never modify the battery or the battery BMS in any way because it can make the battery highly dangerous. Never bypass the battery protections for any reason.**

Identification Numbers

Motor Serial Number

The motor serial number is stamped on the left-hand side of the

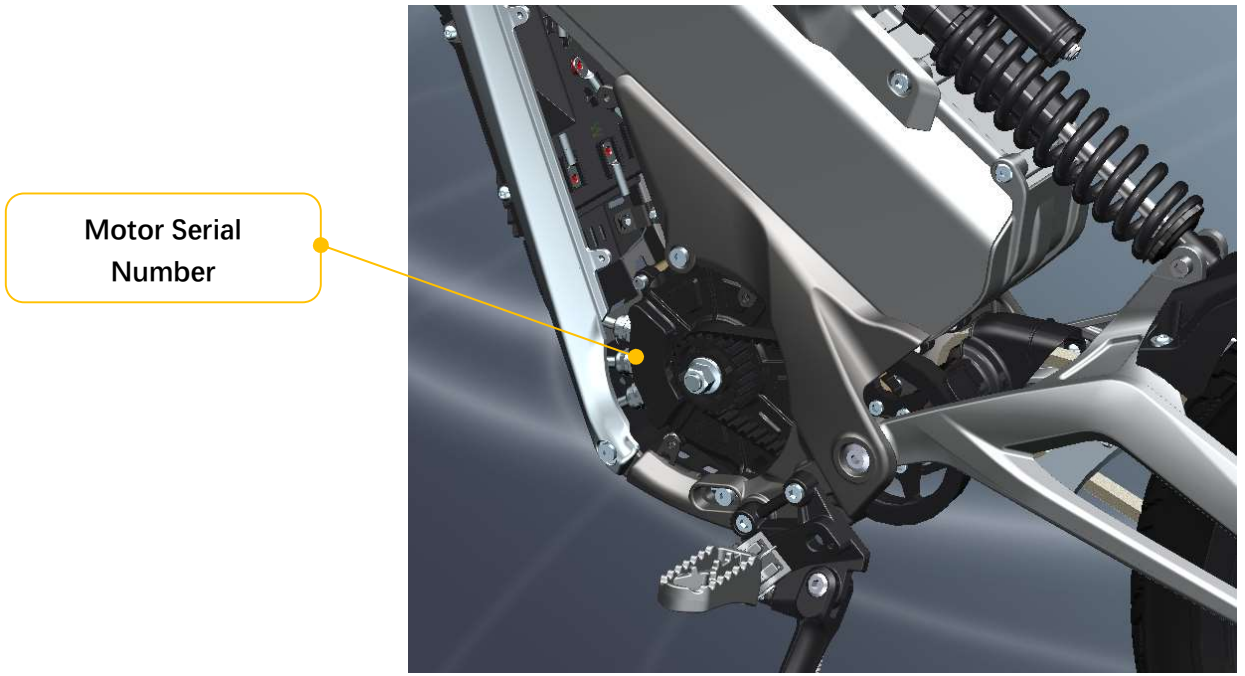
motor housing. ☆128ZW6020412NA☆

And the Second row is the Talaria internal control number：Internal

6-Digit Model Number + Manufacturing Date(YY/MM) + 1-Digit

Factory Identify Number +4-Digit Running Number：

Example: ☆TL2500-22122010001☆



TALARIA
探 弧

TALARIA POWER TECH

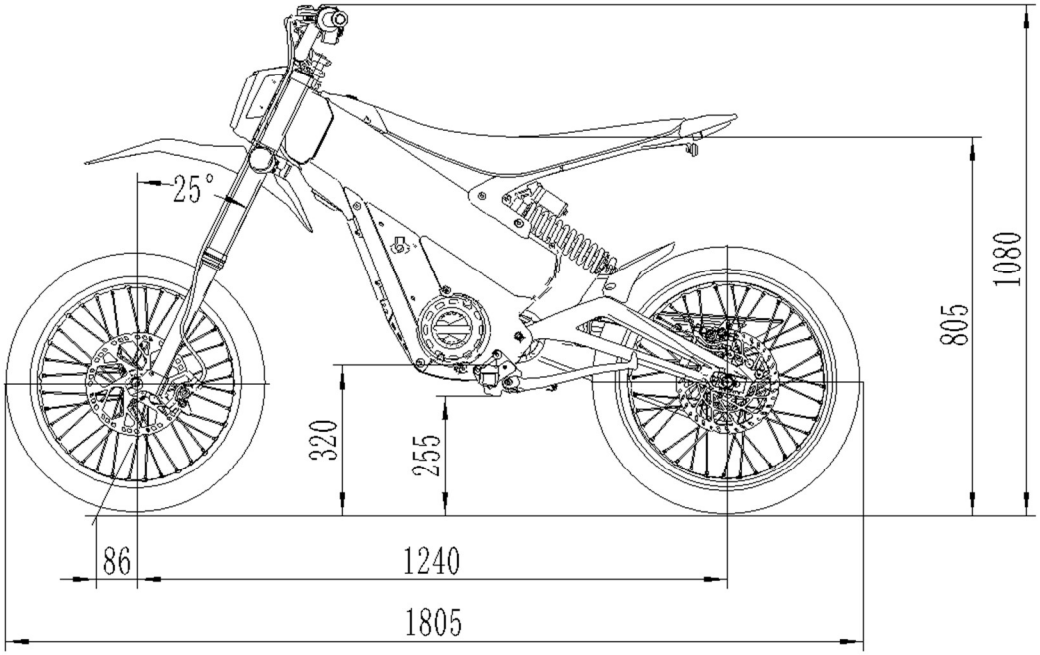
General Information

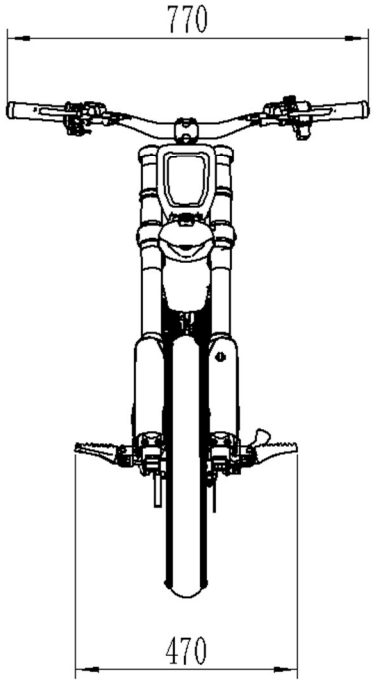
Technical Specification

Item	Specs
Vehicle Dimension	1805mm×770mm×1080mm
Wheelbase	1240mm
Vehicle Weight/40Ah Battery Included	42kg/55kg
Max. Loading Ability	100kg
Min. Ground Clearance	255mm
Seat Height	810mm
Max. Gradeability	45°
Top Speed	20-25mph (limited)
Nominal Power	1KW (limited)
Torque on Rear Wheel	150N.m （48T）
Battery Pack	60V/40Ah Lithium-ion Battery Pack
Range	≥100Km@25Km/h;
Charging Time	4h
Charger Input Voltage	AC110/230V-50/60Hz
Riding Modes	ECO/SPORT
Wire Wheel Size	Fr.: 1.4×19；Rr.: 1.6×17
Tire Size	Fr.: 70/100-19; Rr.: 80/90-17
Front Fork	Hi-Performance Hydraulic Fork with 200mm Travel
Rear Shock Absorber	Spring Reducing Off-Road Absorber with 85mm Travel
Brake Type	Hydraulic Front and Rear Disc Brakes
Primary Transmission	Belt Transmission
Secondary Transmission	Chain Transmission

General Information

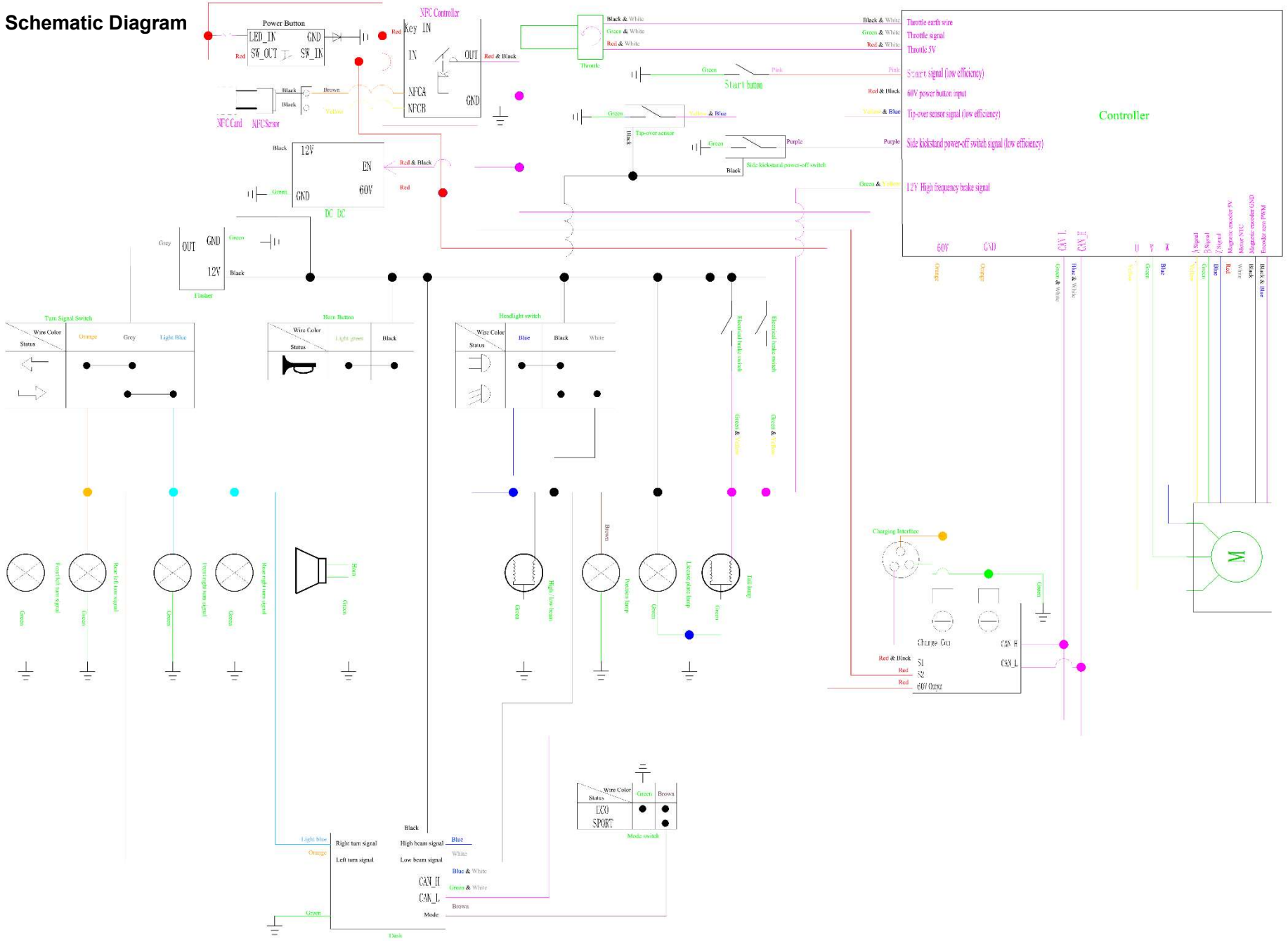
Vehicle Overall Dimension





General Information

Circuit Schematic Diagram



General Information

Transporting

It is recommended that the bike be tied-down using ratchet straps while it is being transported. Place the ratchet straps around a frame contact point. Soft straps must be used to reduce scratches or other damage. Use two ratchet straps in the front and two in the rear. The tie down straps should be at a 45° angle from the bike. Follow the manufacturer's instructions for the ratchet straps you are using.

Safety Information

Anti-Theft Alarm Information

Keyless Go System:

Step 1： Press the Power Button, the red indicator lights up to activate the battery's BMS, then, you can use the NFC to power on the bike.

Step 2: Bring close the NFC Card to the NFC sensor, after the signal is detected, you will hear the buzzer alert tone, then, NFC control unit will send a signal to the battery's BMS, motor, controller and DC/DC to supply power to the high and low voltage electronic units. Dash, headlight and tail lamp will light up, and the bike started. Without the NFC card, the high voltage power supply will not start, the bike will not work, and this will effectively keep your bike away from theft.

Safety Information

General Safety Precautions

Please note that this high-performance electric bike is specifically and exclusively designed for off-road use or usage within private properties or race tracks. It is not built for, nor does it comply with the legal requirements necessary for road use or street legality. Consequently, any attempt to use this bike on public roads, highways, or streets is not recommended and would violate its intended use, potentially leading to serious consequences.
Any deviation from this intended use is at the risk and responsibility of the user. Consequently, the seller assumes no liability for damages, losses, or injuries that might occur due to misuse or operation of the bike outside of the stated intended use.

It's essential to respect and follow all local traffic regulations when riding the xXx bike. Ensure you control your speed appropriately; remember, the maximum speed for the xXx US version is capped at 20mph

Proper safety gear, including a regionally approved helmet, eye protection, riding boots, gloves, and protective clothing should be worn while riding to reduce the risk of potential injury. We highly recommend the use of full height riding boots since the vast majority of bike injuries are leg and foot injuries. It is not recommended to ride without the correct protective clothing; this applies to even short journeys and to every season of the year.

Read all additional warnings and product instructions in this owner’s manual, as well as safety labels, before operating your electric bike.

Never permit a guest to ride your electric bike without proper instruction.

Never use alcohol or mind-altering drugs before operating your electric bike.

Persons unwilling or unable to take responsibility for their actions should not use this bike. You assume all responsibility while operating your bike. The seller assumes no liability for misuse or operator negligence

Your safety depends in part on the good mechanical condition of the bike. Be sure to do maintenance regularly. Be sure you understand the importance of checking all items thoroughly before riding.

Safety Information

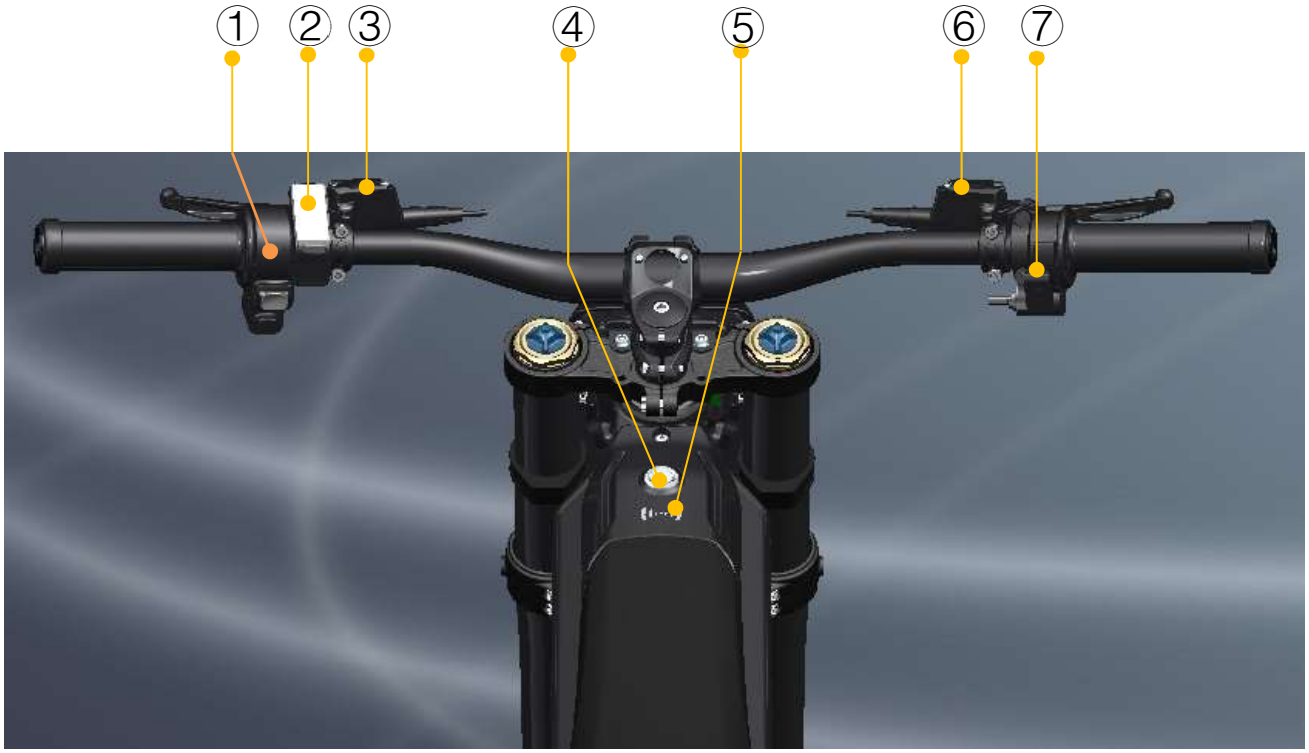
Modifying the bike can compromise safety and lead to severe personal injury. Specifically, alterations to the battery, such as bypassing the Battery Management System (BMS), can disable critical safety measures. This includes the protection against charging or regeneration under freezing temperatures, as well as safeguards against accidental short circuits or overcharging, all of which could trigger a catastrophic fire. Neither Talaria nor the seller can be held liable for any non-approved modifications.

Be very careful when loading or adding accessories to your bike. Large, bulky, or heavy items may adversely affect the handling and performance of your bike.

Location of Important Labels

Controls and Components

Bike Controls



1 Left Handlebar Controls

For description and operation, see “Handlebar Controls” on page 19.

2 Dash

For description and operation, see “Dash Overview” on page 15.

3 Rear Brake Assy.

For description and operation, see “Rear Brake Lever” on page 19, and “Braking” on page 22.

4 Power Button

For description and operation, see “Operating Your bike” on page 21.

5 NFC Sensor

After you pressed the Power Button, bring the NFC Card close to the NFC Sensor to have your bike started. For description and operation, see “Keyless Go Start System” on page 9, and “Operating Your bike” on page 22.

6 Front Brake Assy.

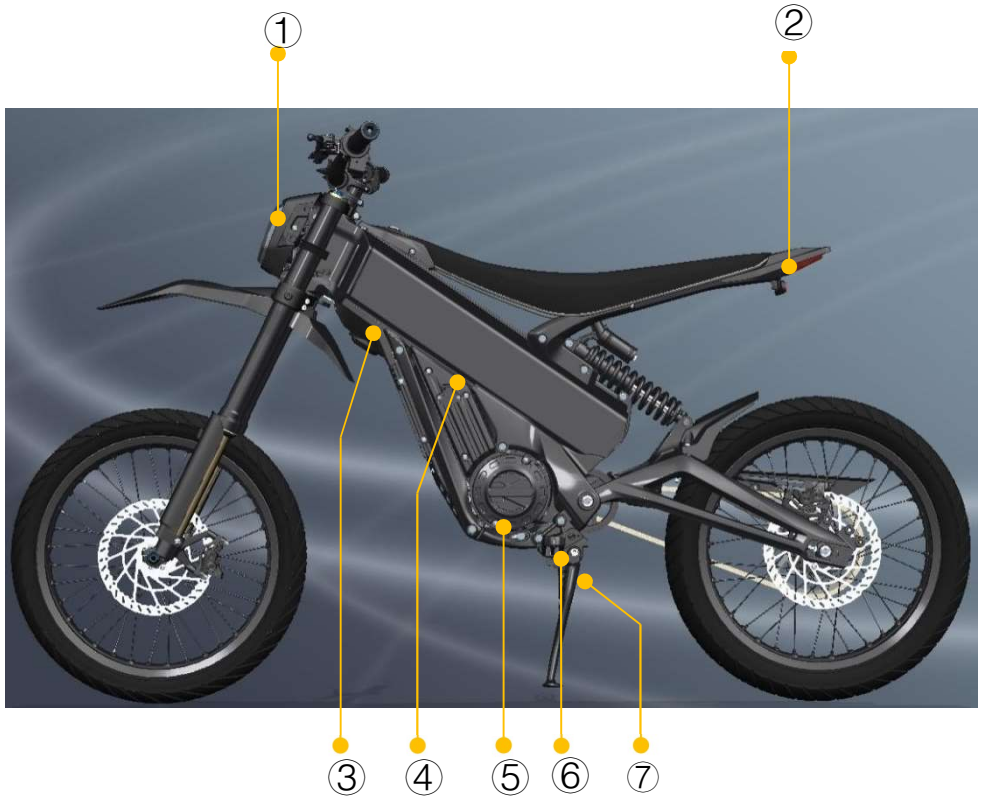
For description and operation, see “Front Brake Lever” on page 19, and “Braking” on page 22.

7 Throttle

For description and operation, see “Handlebar Controls” on page 19.

Controls and Components

Left Side View



1 Headlight
Headlight used for night riding. It includes high/low beam, day time running light.

2 Tail Lamp
After your bike powered on the red tail lamp will light up.

3 Horn
For description and operation, see “Handlebar Controls” on page 19.

4 On-Bike Charging Interface
Please use Talaria stock charger to charge the battery. Before you charge the battery, please turn off your bike first.

5 Belt Tensioner
Used to adjust the tightness of the belt. For description and operation, see “Belt Adjustment” on page 48.

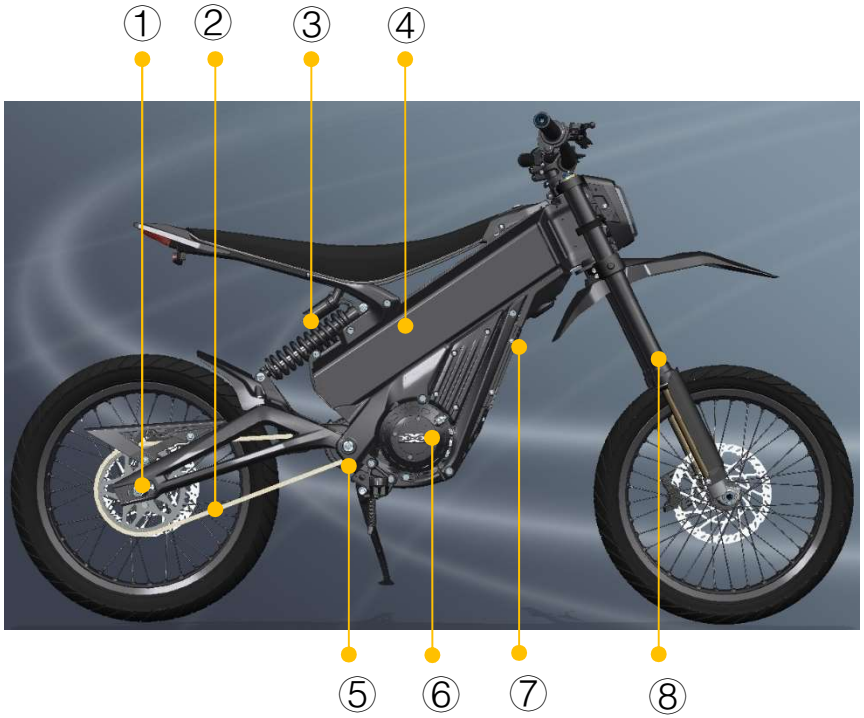
6 Side Kickstand Power Off Sensor
Used to cut the power supply when the side kickstand still stands your bike, so that to prevent any accidents or injuries by maloperation.

7 Side Kickstand
Used to stand your bike. When you park your bike, please make sure it’s powered off.

Warning: Please choose the flat hard ground to park your bike. If you park your bike on slope, or soft ground, your bike may tip over, and cause damage.

Controls and Components

Right Side View



1 Chain Tension Adjuster
Used to adjust the tension of the chain. See description and operation for “Driving Chain Tension Adjustment” on page 50.

2 Chain
Chain for the secondary transmission, it’s strongly recommended to check the tension of the chain regularly. See description and operation for “Driving Chain Tension Adjustment” on page 50.

3 Rear Shock Absorber
See description and operation for “Front Fork and Rear Shock Absorber” on page 24.

4 Battery
xXx Electric bike uses a state-of-the-art PTC structure design. The battery pack is integrated into the chassis. See description and operation for “Battery” on page 26.

5 Belt
It’s used for the primary transmission; it’s strongly recommended to check the tension of the belt regularly. See description and operation for “Belt Adjustment” on page 48.

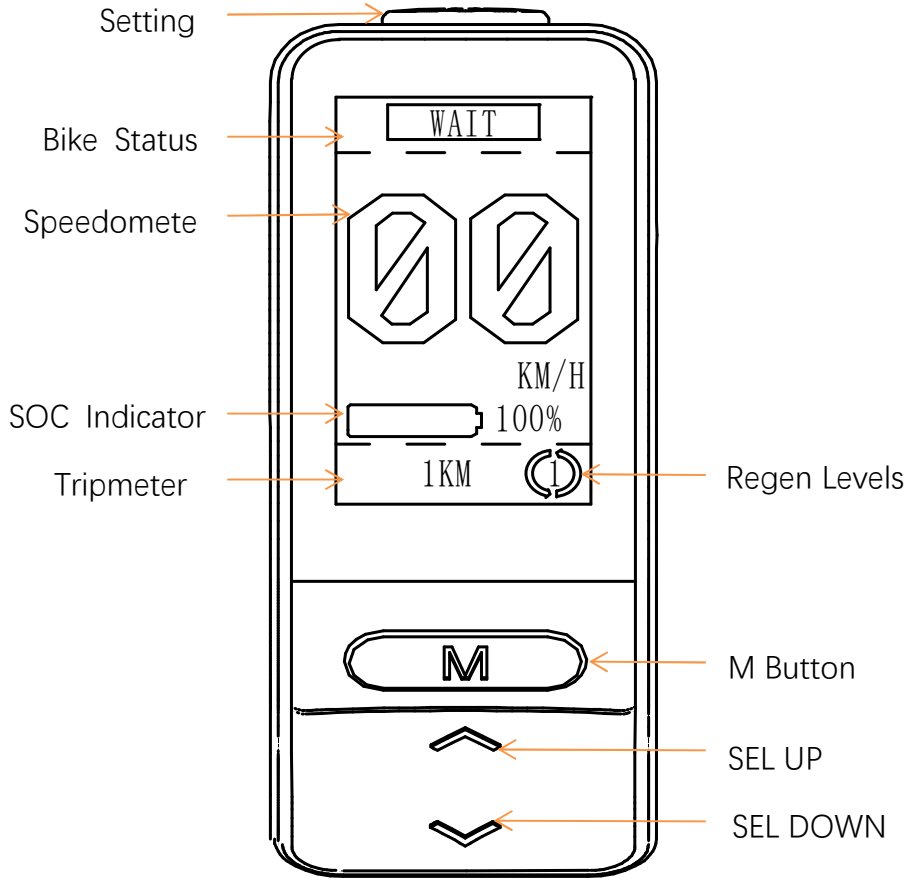
6 Motor
See description and operation for “Powertrain” on page 25.

7 Controller
See description and operation for “Powertrain” on page 25.

8 Front Fork
See description and operation for “Front Fork and Rear Shock Absorber” on page 24.

Controls and Components

Dash Overview



Setting: Keep pressing Setting to enter into the setting interface.

bike Status: Including the display for WAIT/READY/ECO/SPORT/ERROR. WAIT means your bike is not ready to ride. Need the side kickstand swung back, loosen the brake lever, and press the START button to have your bike ready to ride.

Speedometer: Display the real-time speed.

SOC Indicator: Display the real-time remaining battery.

Odometer: Display the trip mileage. Pressing odometer will clear the trip mileage to be zero. When the odometer reaches to 999km, overflow to zero automatically.

Regen Levels Indicator: Display the real-time regen level. (Regen level 1, 2, 3, 4 can be set)

M Button: When your bike is powered on, keep pressing Setting enter into the setting interface. After the setting selection done, press M Button to save the setting. M Button is also the shortcut button to choose ECO or SPORT riding modes when the dash doesn't enter into the setting interface.

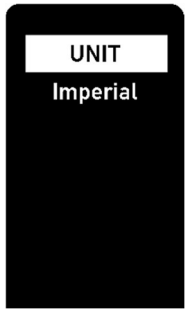
SEL UP/SEL DOWN: When your bike is powered on, keep pressing Setting to enter into the setting interface, then, press SEL UP/SEL DOWN to choose the setting. SEL UP/SEL DOWN are also the shortcut buttons to choose the regen levels when the dash doesn't enter into the setting interface.

Controls and Components

Keep pressing Setting to enter into the setting interface.

EXIT: Exit the setting interface. Press the SEL Buttons to select EXIT, and then, press M Button to exit the setting interface.

Data: Display the riding data. Press SEL Buttons to choose the DATA. Then, press the M Button to enter into the data display interface. The data display includes average power consumption, top speed, average speed, startup running time, total mileage.



Unit Selection: Press SEL Buttons to choose the UNIT. Then, press M Button to enter into the UNIT setting interface. Press SEL Buttons again to choose Metric or Imperial, then, press M Button to save the setting.

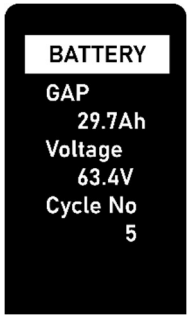
Controls and Components

Wheel: Wheel diameter setting. Press SEL Buttons to choose the Wheel. Then, press M Button to enter into the Wheel setting interface. Press SEL Buttons again to choose the correct wheel diameter, then, press M Button to save the setting.

Notice: The wheel diameter refers to **the rear driving wheel**. If you choose the wrong wheel diameter, your bike will still run with no problems. But the Speedometer will display the incorrect real-time speed.

GR: Gear ratio selection. Press SEL Buttons to choose the GR. Then, press M Button to enter into the GR setting interface. Press SEL Buttons again to choose the correct gear ratio, then, press M Button to save the setting.

Notice: For **Talaria xXx US Edition, the default GR setting is 1: 6.8.** No need to choose other GR. If the gear ratio you chosen does not match the sprocket on your bike. Your bike will still run with no problems. But the Speedometer will display the incorrect real-time speed.



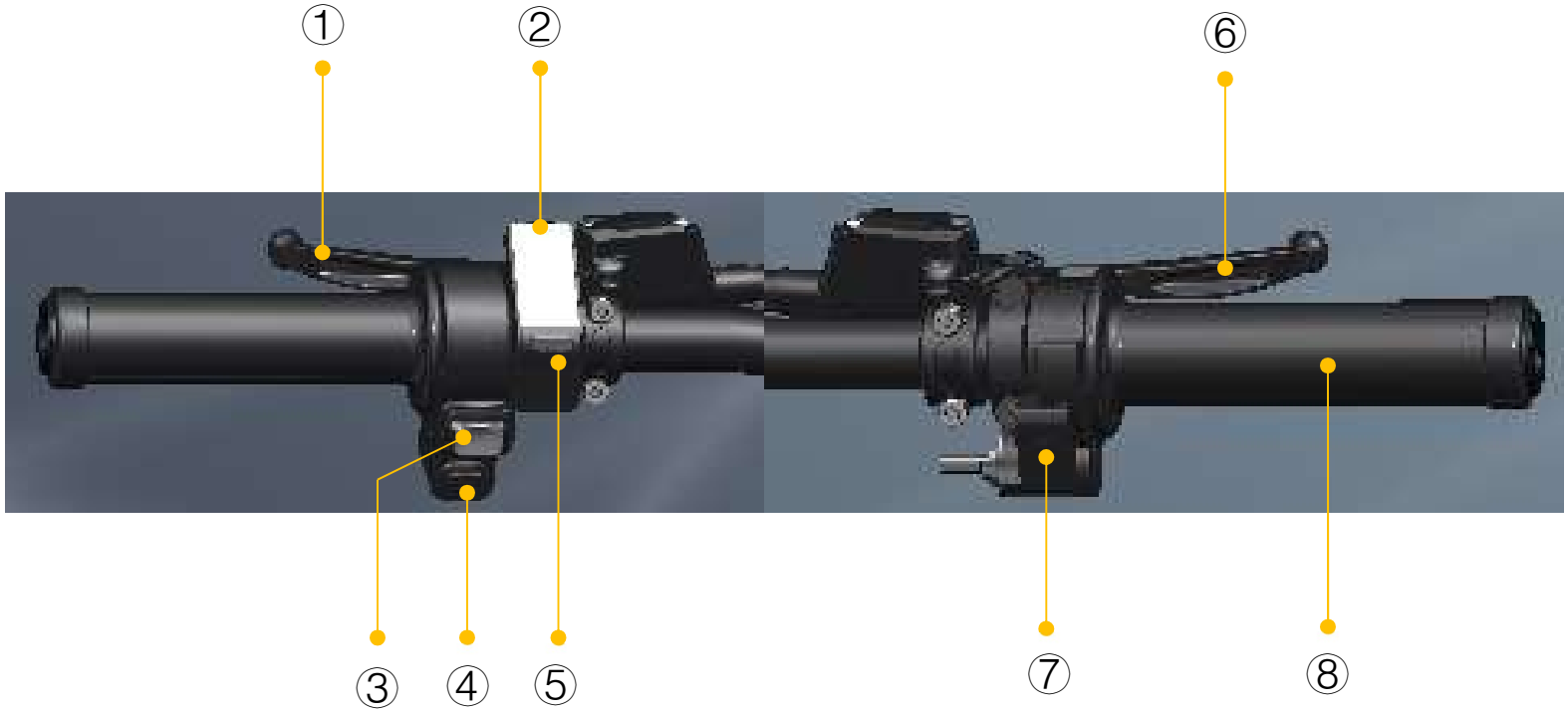
BATTERY: Display the battery information. Press SEL Buttons to choose the BATTERY. Then, press M Button to enter into the battery data display interface. Battery voltage, capacity, and charged times will be displayed.

Controls and Components

Match: Press SEL Buttons to choose the MATCH. Then, press M Button to enter into the MATCH setting interface. When the bike status is “WAIT”, and the side kick stand is folded up, press M Button to start the motor match within one minute after the bike is powered on. Then, the bike will have a small move, and after that, it will show the match is successful or failed.

Remarks: The offset of the magnetic encoder’s electrical angle is possible to make the motor get reverse rotation. The MATCH function will self-adapt the offset, and prevent the motor reverse rotation from happening. Usually, it’s well matched before the delivery. In case it’s necessary to do the MATCH, first, please inquire the dealer who sold the bike to you.

Handlebar Controls



Controls and Components

① **Rear Brake Lever**

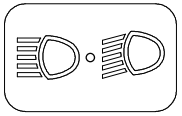
Squeeze the rear brake lever can control the rear brake system to decelerate the speed or stop the bike. When braking, the throttle should be in the closed position, and the brake lamp will light up.

② **Setting**

Dash setting button. It's not available during the riding. Keep pressing Setting to enter into the dash setting interface. See description and operation for "Dash Overview" on page 19.

③ **Headlight Switch**

Press left to turn on the high beam, press right to turn on the low beam. Switch to close position to turn of the headlight, only the day time running light is on.

High Beam  **Low Beam**

④ **Horn Button**

When the bike is powered on, the horn A sounds when the horn button is pressed. Electric vehicles run quietly; the horn can be used to warn pedestrians or other motorists of your presence.

⑤ **M Button**

See description and operation for "M Button" on page 20.

⑥ **Front Brake Lever**

Squeeze the front brake lever can control the front brake system to decelerate the speed or stop the bike. When braking, the throttle should be in the closed position, and the brake lamp will light up.

⑦ **START Button**

See description and operation for "Starting" on page 26.

⑧ **Throttle**

Twist the throttle in a counter-clockwise rotation to energize the motor and start the bike in a forward direction. Release the throttle and it snaps back to the closed position, de-energizing the motor, the bike will keep moving forward because of the inertia. When the regen is level II or higher levels, the regenerative braking will be activated. Regenerative braking takes some of the energy from the moving bike and turns it back into electrical energy. This energy is then stored in the battery, contributing to increased energy efficiency. A slight drag is felt when the regenerative braking is activated. If you want to coast without the regenerative braking, please select regen level I.

Starting and Operating

Pre-Ride Inspection

Before operating your Talaria xXx bike, check the following to make sure the bike is secure and intact:

Battery: Make sure the charge indicator on the dash is indicating a charged battery. We suggest you recharge before use. Always keep the charger available.

Brakes: Squeeze the left and right brake levers individually while pushing the bike to see if it rolls. You should be able to lock-up the wheels completely by applying the brakes.

Throttle: Make sure the bike is not powered on, apply the throttle and release to verify that the throttle is smooth and returns correctly.

Tires: Check both tires for condition and tread depth. Check cold tire pressure frequently. Check for damage and alignment. Maintain correct tire pressure as specified to be both front and rear tire 225KPa. Replace the tires when the tread height is worn 2/3 or more.

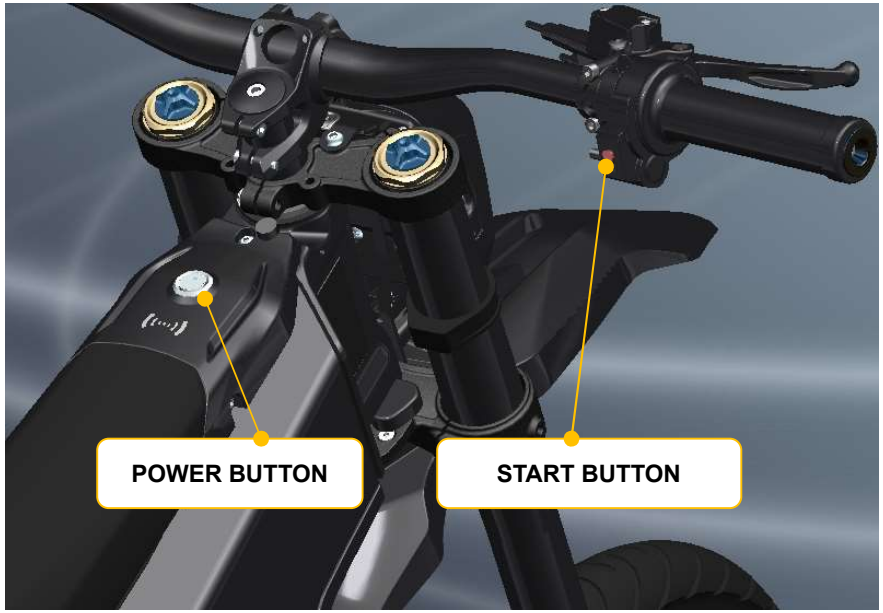
Electrical System: Check for correct function of the headlight, the brake, and tail lights.

Starting and Operating

Operating Your Bike

Starting

Press the power button, the indicator will light up in red, then, applicate the NFC Card to contact the NFC Sensor to power on the bike. Once the bike is powered on, “WAIT” will show on the dash. After you well seat on the bike, and with the side kickstand up, press the start button, there will have “READY” to show on the dash to indicate the bike is ready to ride, and twist the throttle toward you (counter-clockwise) to increase speed.



Remarks: The side kickstand is equipped with a power off sensor. It’s used to cut the power supply when the side kickstand still stands your bike, so that to prevent any accidents or injuries by maloperation. Therefore, when the side kickstand stands your bike, twist the throttle will not have power output, and the motor will not run.

Stopping Your bike

When your bike is powered on, press the power button to stop your bike.

NFC Card Operating Instruction

Admin NFC Card: The NFC Card, used to power on the bike initially, is automatically recognized as the primary admin NFC card. This card must be stored securely. It's utilized to unlock, add, or remove any secondary NFC cards, and holds higher permissions than any other NFC card.

Add Duplicate NFC Card: Adding a Secondary NFC Card: Press the power button and use the admin NFC card to power on the bike (Ensure the side kickstand is engaged to prevent power output). Hold the admin NFC card against the NFC sensor for about 5 seconds after hearing a buzzer alert tone five times. Remove the admin NFC card, then bring the secondary NFC card into contact with the NFC sensor. If the secondary NFC card is recognized successfully, you will hear the buzzer alert tone. If you don't apply the secondary NFC card to the NFC sensor within 10 seconds, the system will exit the recognition process automatically. To add the card again, you'll need to restart the entire procedure.

NFC Card Duplicate to Smart Devices

NFC Card Duplicate to Smartphone: Place the admin NFC card in contact with the NFC sensor on your smartphone. Once your smartphone's NFC sensor recognizes the admin NFC card, follow the prompts on your smartphone to complete the duplication process.

NFC Card Duplicate to Smart Band: Apply the admin NFC card to the NFC sensor on your smart band. After your smart band's NFC sensor recognizes the admin NFC card, follow the prompts on your smart band to finalize the duplication.

Speed Control: Twist the throttle in a counter-clockwise rotation to energize the motor and start the bike in a forward direction. Twist the throttle in a clockwise rotation to de-energize the motor. Release the throttle and it snaps back to the closed position, the motor stop working.

Caution: Progressive use of the throttle is strongly recommended; aggressive use will cause malfunction or even damage the throttle.

Braking: On the right handlebar is the hand operated brake lever for front brake. The brake lever controls the front brake when the lever is squeezed. On the left handlebar is the hand operated brake lever for rear brake. The brake lever controls the rear brake when the lever is squeezed When braking, the throttle should be in the closed position.

WARNING! You need to control the brake level squeeze force accordingly, and if you apply
the front or rear brake hard enough, it is possible to lock the wheels. This could cause you to lose control of the bike and could lead to serious injury

or death. Progressive use of the brakes should bring the bike to a complete stop without locking the wheels. Your Talaria xXx bike is a light- weight performance product and therefore practice is strongly recommended to perfect safe emergency stops.

Precautions For Riding

1. In the premise of ensuring safety, ride smoothly as far as possible, and avoid sudden acceleration or deceleration, so as to save energy, protect components, and improve the mileage and electric bike service life.
2. Sideslip may easily happen on wet roads on rainy or snowy days. Please stay focused and be responsive. Brake function may be slightly compromised after the electric bike is washed or ridden through puddles. In this case, ride slowly and be careful. Brake gently for several times until the brake goes back to work normally.
3. Please avoid riding in heavy rain or water. If the water level is higher than the wheel center, it may adversely affect the motor and brake. The electric bike can be used on rainy and snowy days, and long-time deep wading must be avoided. Once the water depth exceeds the height of the controller and other electrical components, damages may be caused to the electrical components.
4. The kickstand is only used for standing the bike. Do not sit on the bike when the kickstand stands the bike, or it may be damaged.
5. Do not park the bike at a place where the ground is tilted or soft, or it may cause the bike to fall over.
6. The bike contains a lot of electrical components. Please avoid long-time exposure to rain or using high pressure washer to rinse the parts with electrical components.

Parking

1. Pay attention to your back and slow down to approach the parking site.
2. Use the brake to park the bike, reset the throttle, press the power button to power off the bike.
3. After parking, use the kickstand to stand the bike. Make sure you have powered off the bike, and well lock the steering lock before leave and take the NFC card and steering lock key with you.

Starting and Operating

Front Fork & Rear Shock Absorber

The front fork and rear shock absorber play the buffer role, they are important to enable your riding to be stable and comfortable, even there are bumps on the road**.**

To solve the front fork and rear shock absorber supply shortage. Talaria will mix use Talaria, FastAce or DNM forks and absorbers. All these absorbers passed Talaria's strict performance tests.

The adjustments and maintenances for forks and shock absorbers differ among the brands. Please follow the fork and shock absorber user's manual, which is shipped together with the bike.

Remarks: No matter for Talaria, FastAce or DNM forks and absorbers, Talaria did strict tests to make sure the performance, durability, and comfort be qualified for production.

Charging and Battery Information

Powertrain Basic Information

Talaria xXx powertrain’s voltage is 60V nominal, and the power cables are in orange color. When you use, maintain, or repair the bike, please make sure the electrical isolations for the power cables, and other electronic parts are in good condition.

Caution:

It is strictly prohibited for untrained people to disassemble the motor, otherwise it may cause the change of magnetic encoder’s electrical angle, or damage the motor’s sealing. This will lead to motor malfunction and damages.

The controller is a high-voltage precision component. Disassembling the controller is strictly forbidden for individuals lacking professional training. Incorrect wiring can result in damage to the controller, or even risk of electric shock.

Likewise, disassembling the powertrain is prohibited for those without proper training. For maintenance or repair needs, please seek service exclusively from authorized Talaria dealers.

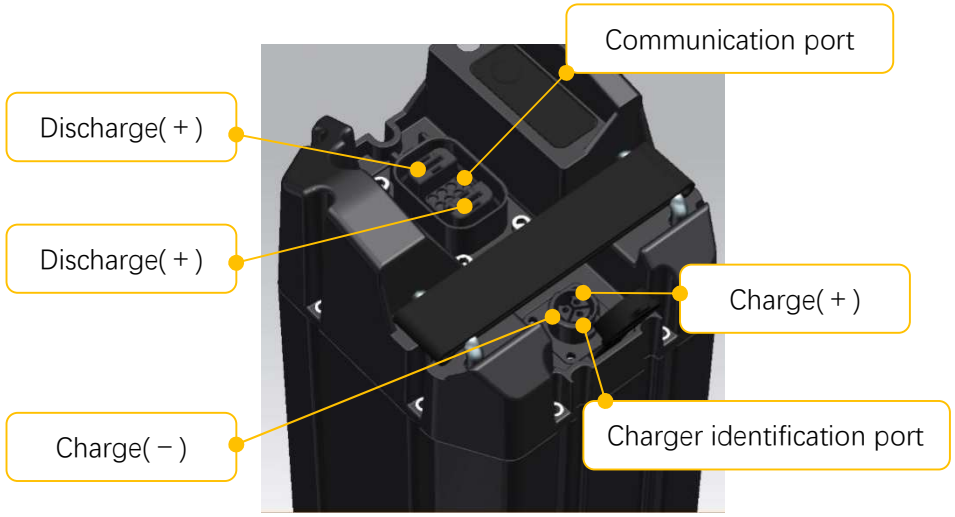
During operation, the powertrain's power cable carries a high current. Consequently, it's imperative that all power cables are correctly connected, and that fasteners for the power cables meet the manufacturer's specified torque standards.

Charging and Battery Information

Battery

Battery Basic Information

Talaria xXx electric bike uses high-performance high-rate lithium battery with a safe voltage of 60V. The battery can be used at the temperature of 0°F–130°F, optimally at 50°F–86°F. Too low or too high temperature will adversely affect the performance and lifetime of the battery, so please do not use it at a temperature beyond this range.



Warning:

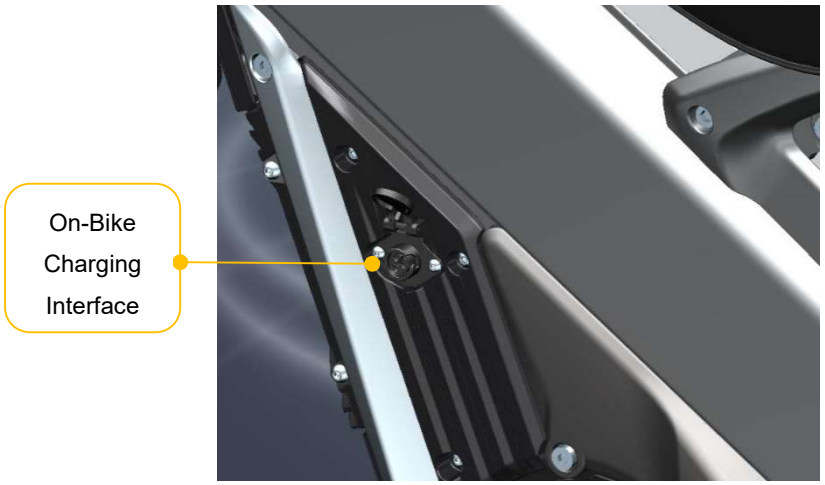
1. Do not charge the battery under 35°F, or it may lead to battery damage. Please wait until the battery temperature rises and do not charge outside at these temperatures.
2. Low temperatures will affect the battery performance, reducing range, regen braking and power output. It will go back to normal when the temperature gets back within optimal operating conditions..
3. The battery is equipped with an advanced Battery Management System (BMS) designed to disconnect the battery in scenarios of over charge, over discharge, short circuit or unsafe temperatures in order to protect it. Note that keeping the battery discharged for a long time will degrade the battery performance. Please charge the battery promptly in the case of low battery.
4. The battery will perform best if it is charged after every use.
5. In case of long-term storage, charge the battery to about 50%, disconnect the discharge plug. Charge the battery once for every 3 months to prevent it from self-discharging and avoid degradation of performance.

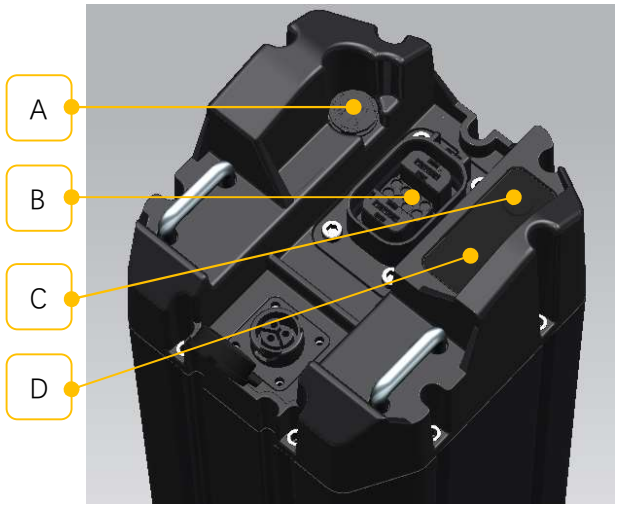
Caution:

Sideslip may happen in the case of only using the front brake or the rear brake. It is safer to apply combined braking. When the motor temperature and controller temperature is high, or the battery power is too low, the power output will automatically decrease. This is not a malfunction. Once it cools down, the bike will automatically have the full power output again.

Charging and Battery Information

Battery Charging and Charger Usage





A：Breather Valve

B：Battery Discharge Port

C：Activating Button

D：Battery Indicator

1. Your bike uses a customized lithium-ion battery charger. Do not use other chargers, or it may lead to battery damage or danger.

2. Check whether the input voltage shown in the charger labels is consistent with your mains voltage AC110V/AC230V.

3. The battery can be charged on your bike through the On-Bike Charging Interface, or you can also get out the battery to charge directly.

4. When charging, the charger and battery charging interface must be connected properly before connecting the charger to the mains socket. After charging, disconnect the charger and mains socket first, and then disconnect the charger and battery after the indicator light goes out. If you plug the charger into the grid socket first, and then, please be sure to connect the charger and battery charging interface properly within 3

seconds. Otherwise, the battery cannot be detected, the charger will run the protection setting, and automatically shut down!

5. When the red indicator of the charger flashes, it indicates that charging is ongoing. When the green indicator of the charger is on, it indicates that the battery is fully charged. Usually, the charging time will be 2~4 hours to fully charge the battery, it will depend on the SOC of the battery and the user's choice of charger.

6. The charger will shut down automatically after the battery is fully charged. But it’s strongly suggested to always avoid connecting the charger to the grid socket for a long time, which shall not exceed 6 hours.

7. It is strictly prohibited for untrained people to disassemble the battery, otherwise it may lead to battery damage and/or injuries.

8. When the battery enters inactive status, it can be activated with the activating button or by connecting the charger.

Charging Precautions

1. When charging, please park your bike or put battery in a safe place out of the reach of children.

2. The internal temperature for the battery which has just been discharged is high. Do not charge it immediately. It’s recommended to charge the battery after ventilation and heat dissipation for 30 minutes.

3. Avoid using the battery immediately after it is fully charged. Let it stand for 10 minutes before using.

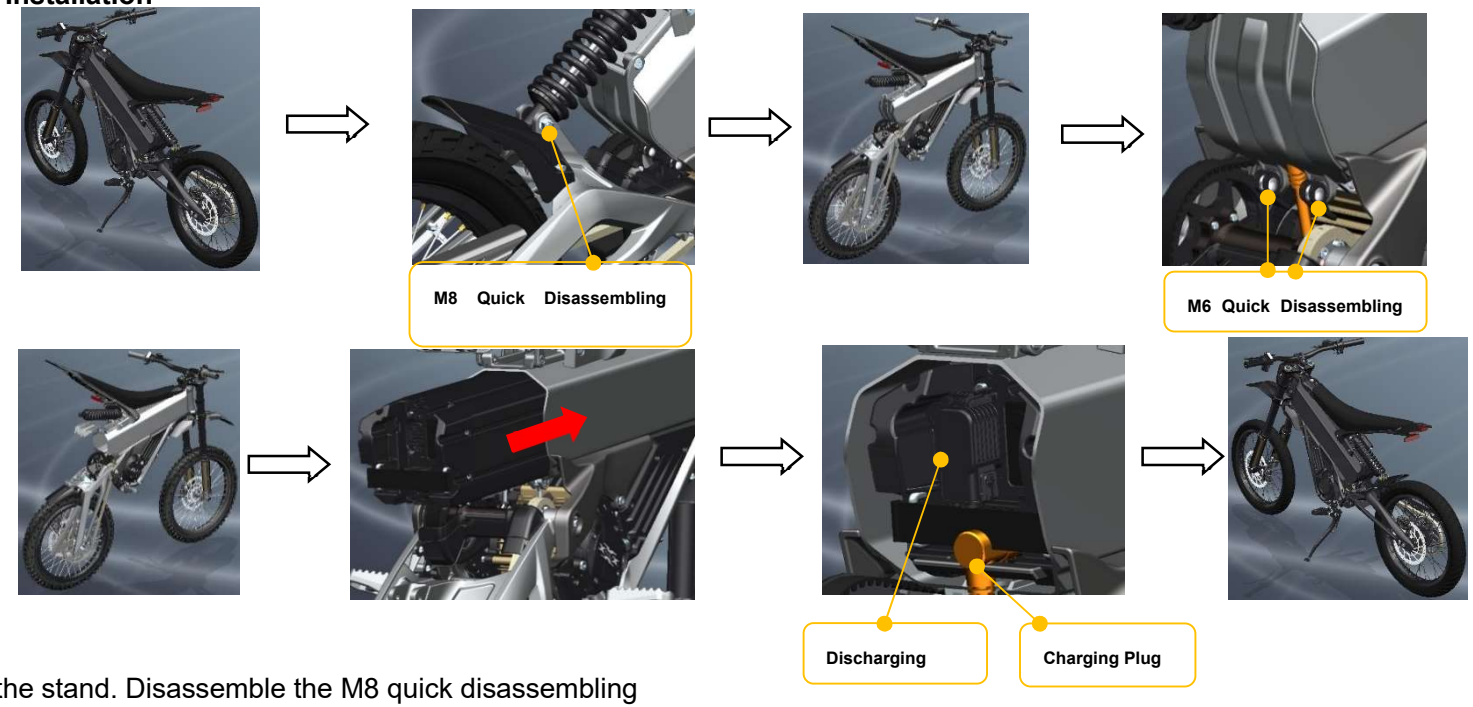
4. It is strictly prohibited to cover the charger with any object when using it. This charger is for indoor use. Please use it in a dry and well-ventilated place.

5. In case you find peculiar smell or high temperature during charging, or the battery is not fully charged after charging for a long time, please stop charging immediately and send it to the local dealer for maintenance.

Charging and Battery Information

Battery Installation and Remove

1) Battery Installation



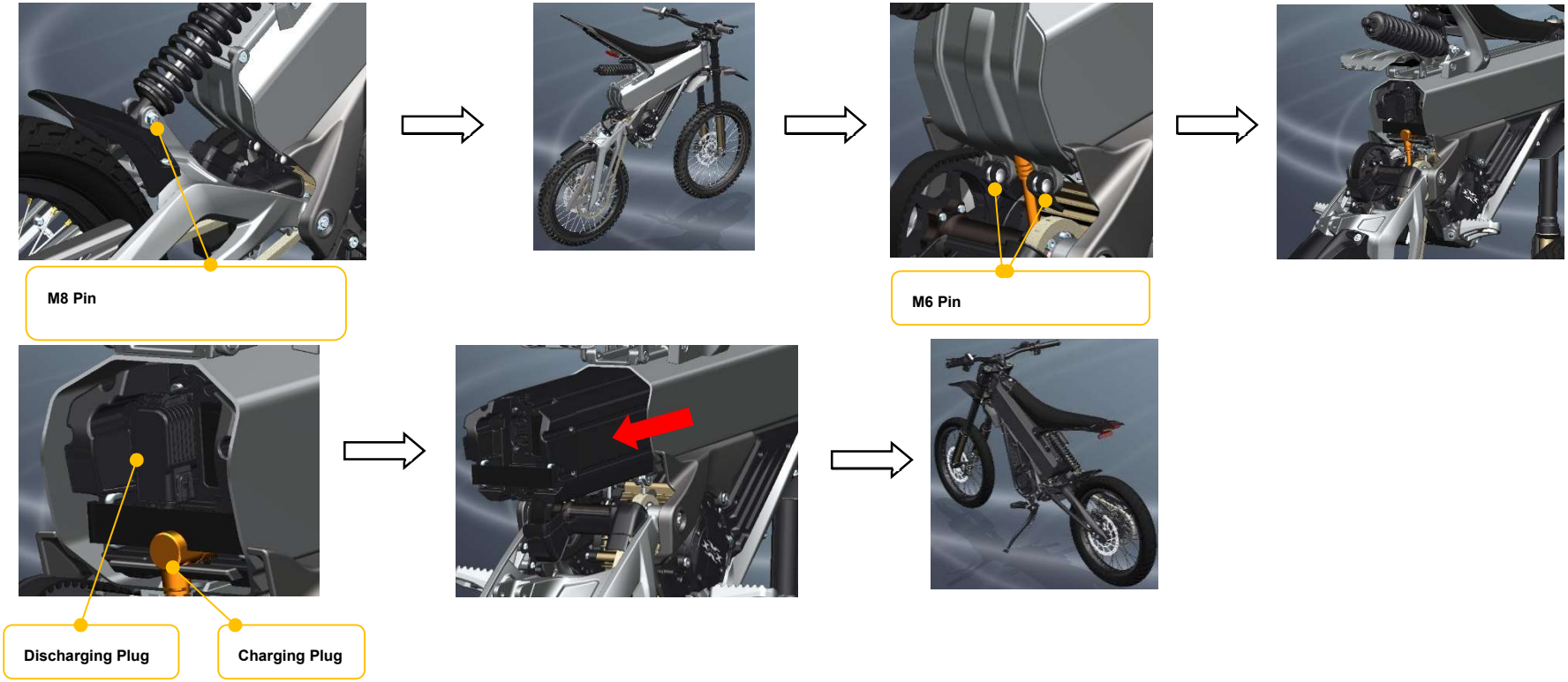
1. Place your bike on the stand. Disassemble the M8 quick disassembling
Pin or the M8 pin, which fixes the lower end of the rear shock absorber on the rear fork.
2. Disassemble the two M6 quick disassembling pins (no need to completely disassemble the pins, just loosen them to open the battery container cover is fine) to open the battery container cover.
3. Install the battery into the battery container as shown in the above picture. Connect the discharging plug and charging plug properly.
4. Close the battery container cover, assemble and fasten the two M6 quick disassembling pins. And finally, assemble and fasten the M8 quick disassembling pin.

Caution: Please ensure the discharging plug and charging plug are well connected. Otherwise, may lead to battery activation failure, and your bike will not work, or On-Bike charging failure.

Warning: If you will do **STUNT** or **OFF-ROAD** riding, it's a must-do to use the M8 pin instead of the M8 quick disassembling pin.

Charging and Battery Information

2) Battery Remove



1. Power off your bike, and place it on the stand. Disassemble the M8 pin, which fixes the lower end of the rear shock absorber on the rear fork.
2. Disassemble the two M6 quick disassembling pins (no need to completely disassemble the pins, just loosening them to open the battery container cover is fine) to open the battery container cover.
3. Disconnect the discharging plug and charging plug, then, pull out the battery as shown in above picture.

Remarks: If there're no other operations for a short time. It's suggested to assemble and fasten the M6 and M8 pins continuously. Then, use the side kickstand to stand your bike.

Malfunction Inspection and Troubleshooting

Precautions for High Voltage Electrical Components

Your Talaria xXx bike contains high voltage electrical components. These components are dangerous and can cause personal injury, severe burns, electric shock or even fatal injury unless appropriate preventive measures are taken.

Always follow the instructions on the label of each electrical component, which is very important for your safety.

Do not touch, attempt to remove or replace any high-voltage components, cables (identified by orange outer protection) or connectors. In the event of an accident with the electric bike, do not touch any high-voltage cable connector or assembly connected to the cable. In case of fire, use a carbon dioxide or class-D dry chemical fire extinguisher to put out the fire. After the fire is extinguished, please do not start the bike, and send it to the authorized dealer to repair.

Warning: Your bike works on high voltage. During and after the start-up and when your bike is powered off, the high voltage components may be too hot to touch by hand. Pay attention to high voltage and high temperature. Follow the label instructions everywhere on your bike.

Warning: The high-voltage components of the bike are maintenance-free to customers. Disassembly, removal or replacement of high-voltage components, cables or connectors may cause severe burns or electric shock, which may lead to severe injury or death. High-voltage cables are made in orange for easy identification (see response information in the latter section of this manual).

Remarks: All the bikes have been carefully inspected before delivery. But there may be some technical problems even after inspection. The following information serves as a guide to help you identify the problem and repair it by yourself if possible. If you cannot solve the problem, please send it to an authorized dealer for a solution.

Malfunction Inspection and Troubleshooting

General Troubleshooting

Failure	Possible Cause	Suggested Solution
Bike cannot start	1. The battery is out of power; 2. Didn't press the power button to power on the bike; 3. Motor phase wires are incorrectly connected or loose.	1. Charge the battery. 2. Press the power button to power on the bike. 3. Check the U, V and W phase wires connections.
Charger doesn't work.	No AC power supply.	Check whether the AC power supply socket work correctly or it's broken.
Handlebars shake	Incorrect tire pressure.	Inflate the tires with suggested tire pressure.
	Deformed front tire	Replace the front tire with the factory stock front tire.
	Worn Tire (tire tread is over worn)	Replace the tire(s) with the factory stock tire(s).

Dash Error Codes, Failures and Troubleshooting

I/N	Error Code	Failure	Possible Cause	Suggested Solution	Remarks
1	E01	Protection IC failure	Internal communication problem	Restarting	If the error code still shows, send the bike to the nearest dealer for service.
2	E02	Battery Cell disconnection	The cell may not be securely welded, leading to a weak joint or fracture in the connecting piece, which can cause poor contact in the internal wiring	Restarting	If the error code still shows, send the bike to the nearest dealer for service.
3	E03	Unbalanced battery cell voltage	There is more than 500mV between the lowest and highest cell voltage.	Restarting	If the error code still shows, send the bike to the nearest dealer for service.

Malfunction Inspection and Troubleshooting

4	E05	Storage error	Failure in storage memory	Restarting	If the error code still shows, send the bike to the nearest dealer for service.
5	E06	Clock error	Failure in internal clock	Restarting	If the error code still shows, send the bike to the nearest dealer for service.
6	E07	Discharge MOS error	Failure detected in the Discharge circuit mosfet	Restarting	If the error code still shows, send the bike to the nearest dealer for service.
7	E08	Charging MOS error	Failure detected in the Charge circuit mosfet	Restarting	If the error code persists, please take the bike to the nearest dealer for service.
8	E09	Overcharge error	1、One of the cells in the battery reached 4.25V, exceeding the over charge protection limit. 2、BMS misinformation.	Restarting	This error will not affect the bike riding, but will have the charging unavailable. If the error code still shows, send the bike to the nearest dealer for service.
9	E10	Level 1 over discharge	Over discharge caused low battery protection error	Charge the battery immediately.	
10	E11	Level 2 over discharge			
11	E12	Level1 over discharge current	Discharge current is greater than the level 1 overcurrent protection setting.	Stop the over current discharge or reduce the discharge current for 1 minute, the error will disappear automatically.	If the error code persists, please take the bike to the nearest dealer for service.
12	E13	Level2 over discharge current	Discharge current is greater than the level 2 overcurrent protection setting.	Stop the over current discharge or control the discharge current less than 110A, or check if there is a short circuit. If yes, eliminate the short circuit.	If the error code persists, please take the bike to the nearest dealer for service.

Malfunction Inspection and Troubleshooting

13	E14	Over charging current error	The charging current is greater than the protection setting.	Check whether the charger is the right stock charger to match the battery.	If the error code persists, please take the bike to the nearest dealer for service.
14	E15	Soft start failure	When the battery is connected with load, the external load capacitance is too large, resulting in failure to start directly.	Please power on and start the bike according to this owner's manual.	
15	E16	Overtime pre-charge error	1. BMS fault. 2. Charger is damaged or does not match.	Replace a stock charger	If the error code persists, please take the bike to the nearest dealer for service.
16	E17	MOS temperature sensor error	Failure detected in the mosfet temperature sensor.	Restarting	If the error code persists, please take the bike to the nearest dealer for service.
17	E18	Battery cell temperature sensor error	Failure detected in the battery cell temperature sensors.	Restarting	If the error code persists, please take the bike to the nearest dealer for service.
18	E19	Battery discharging overtemperature	Internal battery temperature is too high during discharge	Stop riding your bike until the discharge overtemperature protection is released.	It's strongly suggested to follow this owner's manual to use your bike.
19	E20	Battery charging overtemperature	Internal battery temperature is too high during charge.	Stop charging until the charging overtemperature protection is released.	It's strongly suggested to follow this owner's manual to use your bike.
20	E21	Battery discharging low temperature	When the battery is discharging, if the temperature is too low, the battery will disconnect the pack .	Stop riding your bike until the low temperature protection is released.	It's strongly suggested to follow this owner's manual to use your bike.
21	E22	Battery charging low temperature	When the battery is charging or taking regen braking, if the temperature is too low, the battery will disconnect the pack.	Stop charging the battery until the low temperature protection is released.	It's strongly suggested to follow this owner's manual to use your bike.

Malfunction Inspection and Troubleshooting

22	E23	Discharging MOS overtemperature	MOSFET overtemperature caused by battery discharging.	Stop riding your bike until the overtemperature protection is released.	It's strongly suggested to follow this owner's manual to use your bike.
23	E24	Charging MOS overtemperature	MOSFET overtemperature caused by battery charging.	Stop charging the battery until the overtemperature protection is released.	It's strongly suggested to follow this owner's manual to use your bike.
24	E25	Soft-start circuit overtemperature	If the temperature is high when use the soft-start, it will cause the discharging MOS not work, and lead the entire soft-start circuit to trip the overtemperature protection.	Stop riding your bike until the overtemperature protection unlocked.	
25	E26	Storage error	It's caused by faulty operation during production.	Send your bike to the nearest dealer to repair.	
26	E29	Level 3 over current error	Short circuit event detected by the battery.	Inspect and eliminate the short circuit.	If the error code persists, please take the bike to the nearest dealer for service.
27	E30	Level 4 over current error			
28	E31	Setting error	It's caused by faulty operation during production.	Send your bike to the nearest dealer to repair.	
29	E33	Controller phase wire over current	Controller phase wire current is equal or greater than the protection setting.	1. Power off your bike, check whether the motor phase wire terminal got loose, or broken. And then, check whether the motor outlet phase sequence corresponds to the U / V / W on the controller. Finally, check whether the magnetic encoder output wire corresponds to the yellow, green and blue wires on the harness assy. 2. Check if anything is blocking the rear wheel.	If the error code persists, please take the bike to the nearest dealer for service.

Malfunction Inspection and Troubleshooting

30	E34	Controller busbar over current error	Controller DC battery input current is equal or greater than the protection setting.	1. Power off your bike, check whether the motor phase wire terminal got loose, or broken. And then, check whether the motor outlet phase sequence corresponds to the U / V / W on the controller. Finally, check whether the magnetic encoder output wire corresponds to the yellow, green and blue wires on the harness assy. 2. Check if anything is blocking the rear wheel.	If the error code persists, please take the bike to the nearest dealer for service.
31	E35	Controller MOS error	Controller MOSFET failure.	Replace the controller or send the bike to the nearest dealer for service.	
32	E36	Tip-over sensor error	1. The electric bike has tipped over. 2. Tip-over sensor wiring issue, or sensor damaged.	1. Power off your bike, and make sure its upright. 2. Restart your bike	If the error code persists, please take the bike to the nearest dealer for service.
33	E37	Throttle error	1. Throttle connection loose. 2. The throttle didn't return back to the closed position before start. 3. The throttle is broken.	1. Check the throttle connection is loose or broken. 2. Make sure the throttle returns to the closed position before start. 3. If the throttle error still persists, consider replacing the throttle.	
34	E38	Low battery protection	The battery is low	Charge the battery immediately.	
35	E39	Over voltage protection	The battery voltage is equal to or greater than the protection setting.	Please be sure to use Talaria's stock battery and charger.	If the error code persists, please take the bike to the nearest dealer for service.
36	E40	Magnetic encoder error	The magnetic encoder may have a poor connection or could be damaged.	Check whether the magnetic encoder has a poor connection or is damaged. If so, fix the connection or replace the sensor assembly.	If the error code persists, please take the bike to the nearest dealer for service.

Malfunction Inspection and Troubleshooting

37	E41	Motor phase wire error	Motor phase wire loose or incorrectly connected.	Power off your bike, then check if the motor phase wire terminal is loose or damaged. Next, verify whether the motor outlet phase sequence matches the U / V / W on the controller. Finally, check whether the magnetic encoder output wire corresponds to the yellow, green, and blue wires on the harness assembly.	If the error code persists, please take the bike to the nearest dealer for service.
38	E42	Motor overtemperature error	1 Sustained use at high power can increase the motor temperature above the temperature limit. 2. The temperature sensor has a poor connection or is damaged.	Stop riding your bike until the overtemperature protection is released. Check whether the magnetic encoder's connection is loose, or replace the magnetic encoder.	If the error code persists, please take the bike to the nearest dealer for service.
39	E43	Motor temperature sensor error	Failure detected in the motor temperature sensor.	Stop riding your bike until the overtemperature protection is released. Check whether the magnetic encoder's connection is loose, or replace the magnetic encoder.	If the error code persists, please take the bike to the nearest dealer for service.
40	E44	Controller overtemperature error	Sustained use at high power can increase the controller MOSFET temperature above the temperature limit.	Stop riding your bike until the overtemperature protection is released. If the error still shows, consider replacing the controller.	
41	E45	Controller temperature sensor error	Failure detected in the controller temperature sensor.	Stop riding your bike until the overtemperature protection is released. If the error still shows, consider replacing the controller.	
42	E46	Current sensor error	Failure detected in the current sensor.	Send the bike to the nearest dealer for service.	
43	E47	Motor lack of phase	1. The power button wasn't pressed. 2. The motor phase wires (U/V/W) may be loose or incorrectly connected.	1. Press the power button to restart your bike. 2. Power off your bike. Then, verify if the motor phase wire terminal is loose or broken. Afterwards, check whether the motor outlet phase sequence corresponds to the U / V / W on the controller. Lastly, ensure that the magnetic encoder output	If the error code persists, please take the bike to the nearest dealer for service.

Malfunction Inspection and Troubleshooting

				wire corresponds to the yellow, green and blue wires on the harness assembly.	
44	E48	Motor locked-rotor protection error	If the rear wheel is stuck, and cannot rotate, or the motor, gearbox, brake, chain is stuck, will cause the discharge current load to be equal or greater than the protection setting. Then, cause the error.	1. Power off your bike, put it on a stand, check whether the rear wheel can rotate normally, if anything stuck the rear wheel. Also, check whether there's anything blocking the motor, gearbox, chain, and brakes, please eliminate it.	If the error code persists, please take the bike to the nearest dealer for service.
45	E49	Communication error	There may be a wiring or hardware failure in the CANbus communication system.	Power off your bike and check all the CANbus connections on your bike to see if there are any loose or damaged parts (Display connection, motor controller connection, battery communication connection). These are the 3 subsystems that are part of the CANbus network. If there are any loose, compromised or damaged parts, repair them, and then restart your bike.	If the error code persists, please take the bike to the nearest dealer for service.

Warranty

Warranty Description

Dear customer:

For your rights and interests, please keep this owner's manual properly. Please inspect and test the bike when you purchase, and ask the salesman to offer a valid invoice, warranty card, repair addresses, contact phone number, and other information.

If you find any problems while using the bike, you are entitled to get the after-sale service according to the warranty policy from the dealer, where you ordered the bike, by providing the purchase invoice and warranty card.

If any parts fail during the warranty period and cannot be used normally after maintenance, they will be replaced free of charge.

Caution: Failures caused by abusive use or modification will void the warranty.

For any cross-border purchases, will cause the local distributor or dealers not fulfill the warranty, therefore, we strongly suggest to order from the authorized local dealers.

Maintaining Your Bike

Owner's Responsibilities

Listed below are the responsibilities afforded to the owner:
• This Owner's Manual should be considered a permanent part of this bike and should remain with it even if the bike is subsequently sold.
• Perform routine care and maintenance of your electric bike as detailed in this Owner's Manual.
• Use only Talaria approved parts and Talaria bikes accessories.
• The operator is responsible for learning and obeying all country, federal, state, and local laws governing the operations of an electric bike.
• Always wear a regionally approved helmet, goggles, appropriate boots, and all other appropriate safety equipment when operating an electric bike.

Scheduled Maintenance

To prolong the lifetime of your bike and ensure a safe and comfortable riding, regular inspection and maintenance is recommended. If bike do not use for a long term, it should also be inspected regularly

The first inspection and maintenance for a new bike should be done after running for 300KM.

Pay attention to safety when you inspect or maintain the bike.

Park the bike at an open and flat ground.

Any issues are found during the riding and need to be inspected, it's strongly suggested to find a safe ground to carry out the inspections, and pay attention to the surroundings.

Any issues found through the inspection should be eliminated before you ride the bike. If it is difficult to solve it by yourself, please send the bike to the nearest dealer for service.

CAUTION:

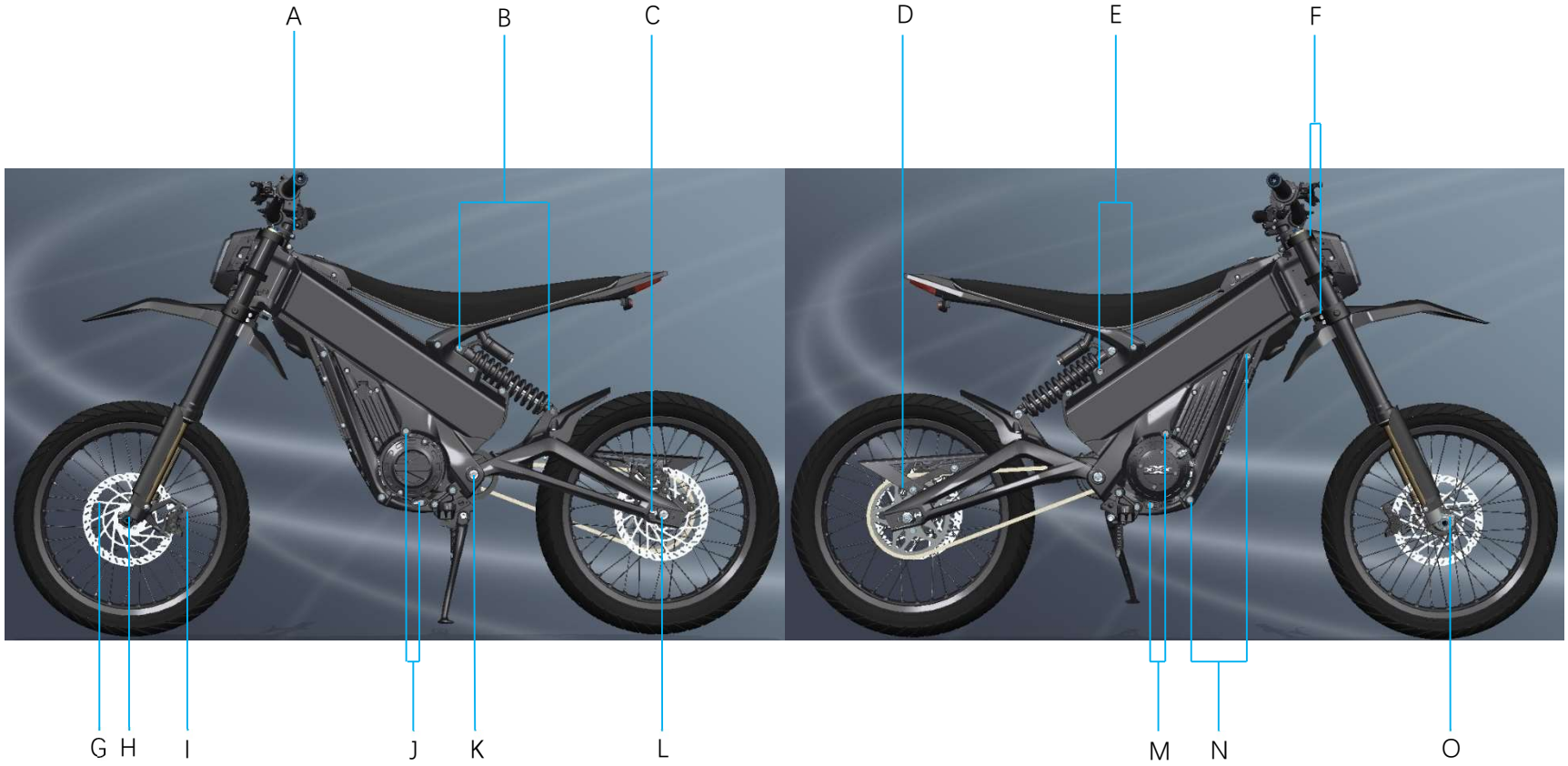
The front and rear brakes are disc brakes. If the brake pads are severely worn, shall replace them in time.

Keep the disc brake system clean in daily use to avoid sand accumulation for a long time, especially oil stain.

Maintaining Your Bike

Components and Fasteners

Please follow the fasteners torque table to do regular inspection and maintenance for components fasteners.



Maintaining Your Bike

Item	Description	Torque（N.m）	Standard
A	Handlebar fixing bolt	10	M6×40
B	Rear shock absorber fixing bolt	28-32	M8×55
C	Rear brake disc fixing bolt	10	M6×12
D	48T sprocket fixing bolt	28-32	M8×20
E	Seat bolt fixing bolt	28-32	M8×25
F	Front fork fixing bolt	10	M6×20
G	Front brake disc fixing bolt	10	M5×12
H	Front wheel axle	15	M14×1.5×173
I	Brake clipper fixing bolt	10	M6×40
J	Motor left side fixing bolt	28-32	M8×30
K	Rear fork axle	45-55	M10×1×220
L	Rear wheel axle	50-60	M12×1.25×203
M	Motor right side fixing bolt	28-32	M8×20
N	Controller fixing bolt	28-32	M8×25
O	Front wheel axle set bolt	10	M6×20

Maintaining Your Bike

Parts/Maintenance Items

Front Fork Inspection: Inspect the front fork for signs of bending, deformation, damage, looseness, oil leakage or any other malfunctions. To do this, press the handlebar up and down, and listen for any unusual sounds that might indicate a front fork issue.

Brake Inspection:

1. Verify that the brake lever's free clearance falls within the specified range (15-30mm or 0.6"-1.2"). If the measured value doesn't meet this requirement, it needs to be adjusted.
2. During a low-speed drive on a dry, flat road, separately use the front and rear brakes to test if they function as intended.

Inspection For Tire and Other Parts:

1. When the tire is at a normal temperature, measure the air pressure using a tire pressure gauge.
2. Examine the tire for cracks, damage, foreign objects, or signs of unusual wear.
3. Check for any loose spokes.
4. Test the chain tension. There should be 10-25mm of free play in the chain's movement.

Caution: Persistent contact with road debris such as stones, glass, nails, and other foreign objects can easily damage the tire. Be vigilant while riding to avoid areas that could harm the tire. Also, conduct regular checks on the tire for visible cracks, damage, foreign objects, and signs of unusual wear..

Inspection For Tire Tread Depth:

Examine the tire wear and tread depth. If two-thirds of the tread is worn, the tire should be replaced. If you notice abnormal noise or wobbling while riding, take the bike to the nearest dealer for inspection and maintenance. The recommended locking torque for the rear fork axle is 45-55N.m, for the rear axle nut is 50-60N.m, and for the front wheel axle is 15N.m.

.

Caution: If firmly holding the brake lever does not provide effective braking, inspect the cleanliness of the brake disc. If the issue persists, take

Maintaining Your Bike

the bike to the nearest dealer for inspection and maintenance.

Battery Inspection:

The bike comes equipped with a sealed lithium-ion battery. Prior to inspecting the battery, ensure it is fully charged. Then, using a multimeter, measure the voltage at the battery connector. The optimal full charge voltage should be between 65.5V–67.2V. If it falls outside this range, take the bike to the nearest dealer for inspection and maintenance.

Caution: Ensure the bike is powered off before removing or installing the battery. If the battery resists being inserted, avoid forcing it. Instead, remove the battery and inspect whether something is blocking it.

Inspection For Brake Oil Level

Check the brake oil level for both front and rear brakes via the brake oil view lens. If the brake oil level is low, open the brake oil container cap and add the specified mineral oil for the disc brake.

Remarks: Before inspecting the brake oil level, ensure the bike is standing upright.

1. Remove the two M3 screws from the brake oil container cover (As the right picture shows).
2. Add the specified mineral oil (Type No.: **HF10-2**) for disc brakes.
3. Check the sealing cover for any wear or damage, and make sure it’s in the correct position.

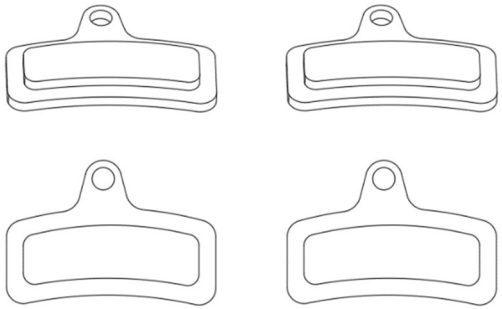
Maintaining Your Bike

CAUTION:

Avoid spilling brake oil on the paintwork, as it can cause the surface to crack. Place a clean cloth under the brake oil container before removing the cover. A low brake oil level may indicate worn brake pads or a leaking hydraulic system. Before riding, check for worn brake pads and/or leakage in the hydraulic system. Use the specified mineral oil for the disc brake and avoid other types of brake oil. Securely fix the brake oil container cover and tighten the M3 screws. The recommended tightening torque is 1.5N.m.

Inspection for brake pads

Check the brake pads and visually check the brakes by observing the remaining brake pad material on both sides of the brake caliper.



Brake Pads

Replace the brake pads when the free clearance of the brake lever exceeds the specified range (15–30mm or 0.6"-1.2"), or the total thickness of brake pads is less than 3 mm.

Maintaining Your Bike

Inspection for brake disc

Inspect the thickness of the brake disc regularly and replace the disc if the thickness is less than 1.9mm.

WARNING! When using new brake discs or new brake pads, at first, it should be lightly squeezed and hold the brake so as to generate appropriate braking friction.

Tire Inflation

WARNING! Under-inflation is a common cause of tire damages and may result in severe tire cracking, tire tread separation, "blowout", or unexpected loss of bike control, causing serious injury or death.

Tire pressure should be inspected and adjusted to the proper tire pressure levels before each ride. Tire pressure should be inspected by using an accurate barometer when the tire is in normal temperature status. Always replace the valve stem cap when finished adjusting tire pressures.

Front tire: 225Kpa; Rear tire: 225Kpa

Cleaning The Drive Chain

WARNING! Always wear safety glasses when cleaning the chain to prevent eye injuries.

WARNING! Never place your hand between the chain and sprockets. Work with the chain only in the middle between the two sprockets; failure to do so could result in serious injury.

WARNING! Do not allow any of the drive chain cleaner to get on the brake rotors or brake pads. If the brake rotors or brake pads are contaminated with cleaner, it will impair the bike’s ability to stop. This could result in serious injury or death.

WARNING! Never have the motor spin the wheel during cleaning. Turn the wheel only by hand. Failure to do so could result in serious injury or death.

Follow the manufacturer’s instructions for the chain cleaner you are using; below are the general guidelines.

Maintaining Your Bike

1. Power off the bike before you clean the driving chain.
2. Set the bike on a stand or lift so the rear wheel is free to spin. While turning the wheel by HAND, spray the inside of your entire chain with a good coating of chain cleaner and let it sit for a few minutes.
3. Using a brush, fill the bristles with spray from the chain cleaner. Begin gently scrubbing the chain on the top of your swingarm by using the brush.
4. Do this for the entire length of the chain. Now do the same thing for the inside/bottom of the chain.
5. Using the brush, clean both sides of the rear sprocket. Let this soak for 5 minutes.
6. Using a water hose, rinse the entire chain. Then, using a clean rag, wipe any residual moisture from the chain.

Drive Chain Lubrication

WARNING! Always wear safety goggles when lubricating the drive chain to prevent eye injuries.

WARNING! Never have the motor spin the wheel. Turn the wheel only by hand. Failure to do so could result in serious injury or death.

WARNING! Never place your hand between the chain and sprockets. Work with the chain only in the middle between the two sprockets. Failure to do so could result in serious injury or death.

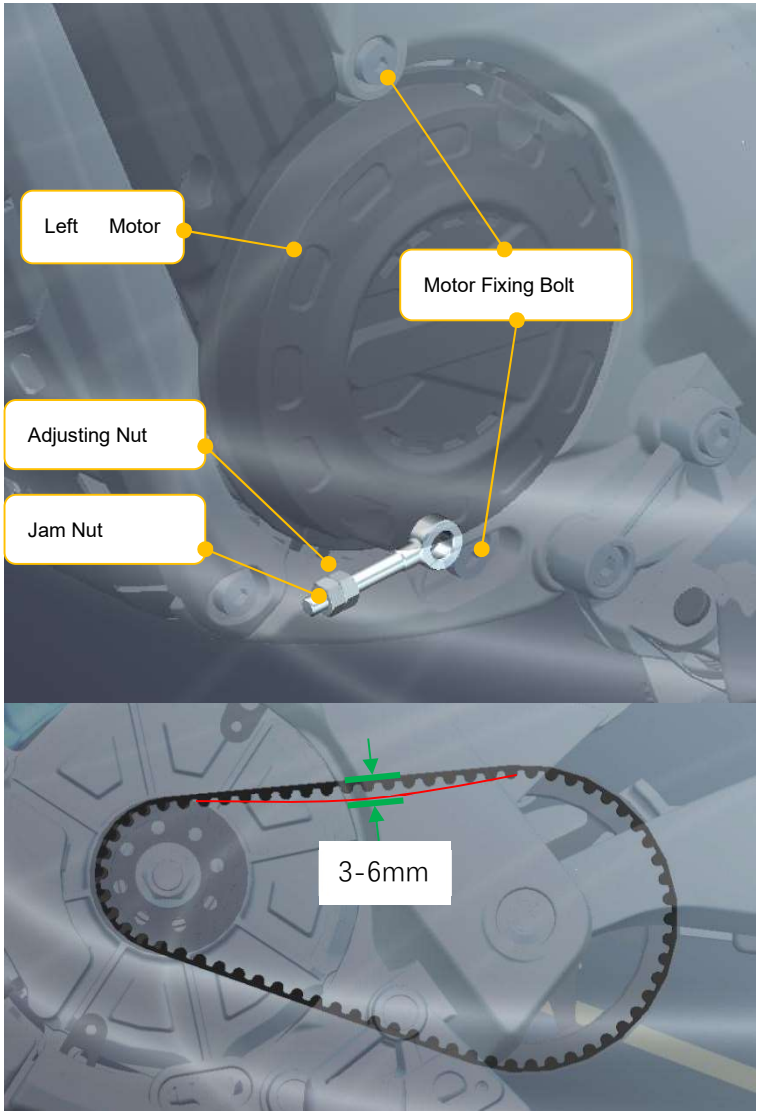
WARNING! Do not allow any of the lubricant to get on the brake discs or brake pads. If the brake rotors or brake pads are contaminated with lubricant, it will impair the bike’s ability to stop. This could result in serious injury or death.

Follow the manufacturer's instructions for the chain cleaner you are using; below are the general guidelines. Do not allow any of the lubricant to get on the brake discs/brake pads.

1. Turn the wheel backwards slowly and spray the lubricant on the inside of the chain links.
2. Turn the wheel backwards slowly and spray the lubricant on the outside of the chain links.
3. Let the electric bike stand for 30 minutes to allow the lubricant to penetrate the links.

Maintaining Your Bike

Belt Adjustment



Maintaining Your Bike

1. Power off the bike, place the bike on the stand.

2. Disassemble the left side motor cover, and inspect whether the belt moves 3-6mm as a free play.

3. Loosen the motor fixing bolts in both left and right sides.

4. Loosen the jam nut.

5. Rotate the adjusting nut, until the belt moves 3-6mm as a free play.

6. Tighten the motor fixing bolts in both left and right sides.

7. Tighten the jam nut.

8. Ride the bike slowly to test whether the belt tension adjustment is well done.

9. After the test riding, please check whether the belt's tension is fine? If it's necessary, adjust the tension of the belt again.

Caution: Please make sure the belt positioned in the middle of both front and rear pulleys. Otherwise, the belt is easy to get friction with the edge of the pulley, and this will lead to odd noise, belt abnormal wear or damage.

Please make sure the belt's tension is in the right setting. The belt's free play move should be within 3-6mm. Otherwise, the tension of belt will be tight or loose, and this will lead to odd noise, belt abnormal wear or damage.

Maintaining Your Bike

Driving Chain Tension Adjustment

1. Power off the bike and place it on the stand.

2. Then, loosen the rear wheel axle nut on the right side.

3. Loosen the jam nuts on both left and right sides.

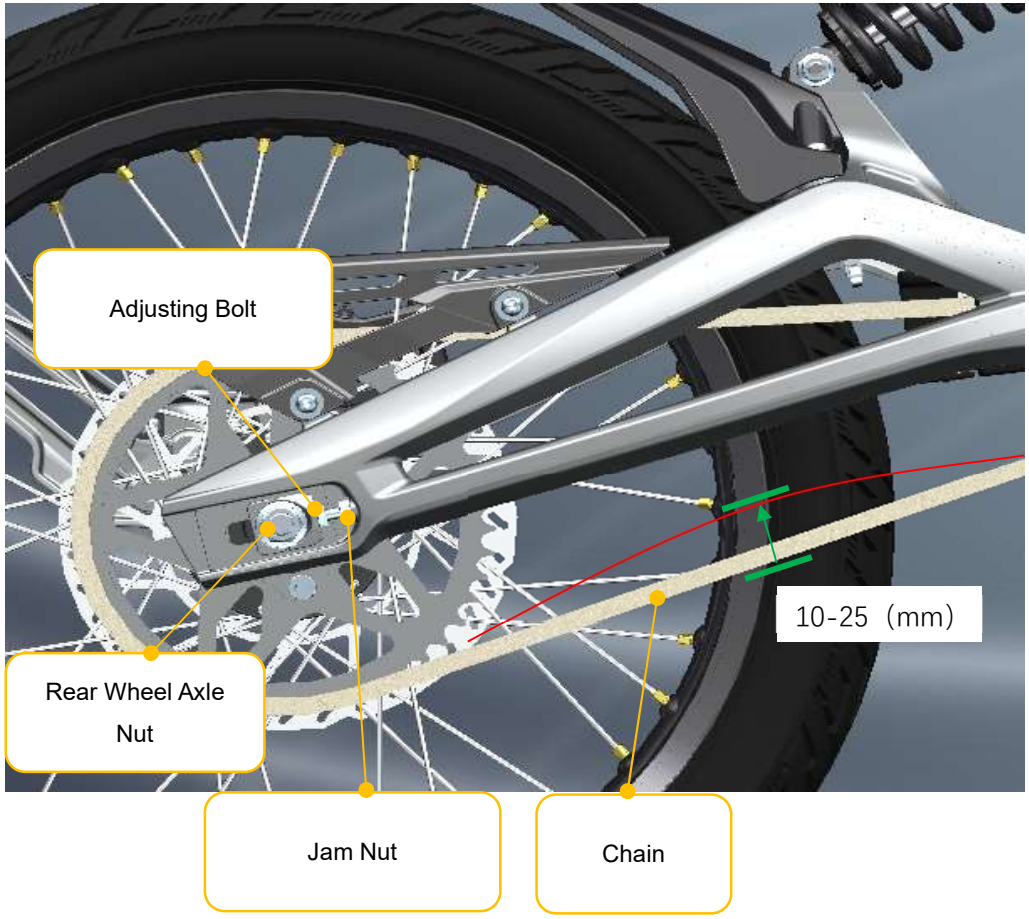
4. Loosen the rotate adjusting bolts on both left and right sides 1/4 turn at a time until the chain moves 10-25mm as a free play.

5. Tighten the rear wheel axle nut on the right side.

6. Tighten the jam nuts on both left and right sides.

7. Ride the bike slowly to test whether the driving chain tension adjustment is well done.

8. After the test ride, please check whether the drive chain's tension is fine? If it's necessary, adjust the tension of driving chain again.



Remarks: After the adjustment, the marks on the left and right tensioners must align with the tik mark on the rear fork.

Maintenance Record

Scheduled Maintenance Notification

The required maintenance schedule that follows, specifies how often you should have your Talaria xXx bike serviced and what items need attention. It is essential to have your Talaria xXx bike serviced as scheduled to maintain safe, dependable performance.

The service intervals in this maintenance schedule are based on average riding conditions. Some items will need more frequent service if you ride in unusually wet or dusty areas. Consult your dealer for recommendations applicable to your individual needs and use. It is recommended that you have your Talaria xXx bike serviced every 12 months by an OFFICIALLY AUTHORIZED Talaria Dealer regardless of the distance ridden.

Maintenance Schedule Table

The scheduled maintenance must be performed in accordance with this chart to keep the Talaria xXx bike in top running condition. The initial maintenance is vitally important and must not be neglected. Where time and mileage are listed, follow the interval that occurs first.

Item	Routine	Every Ride	1000KM 1 Month	6000KM 6 Months	12000KM 12 Months	18000KM 18 Months	25000KM 24 Months	32000KM 32 Months
Brake (front and rear)	Check brake fluid level. Add brake fluid as necessary.	√	√	√	√	√	√	√
	Check thickness of the brake pads. Replace it as necessary.	√	√	√	√	√	√	√
	Check thickness of the brake discs. Replace it as necessary.	√	√	√	√	√	√	√

TALARIA
探 驰

TALARIA POWER TECH

Maintenance Record

	Checked brake fluid leakage	√	√	√	√	√	√	√
	Check whether the brake is loose	√	√	√	√	√	√	√
	Replace brake fluid				√		√	√
	Check brake levers. Adjust or replace if necessary.	√	√	√	√	√	√	√
Wheels and Tires	Check tire pressure. See page 54. Correct if necessary.	√	√	√	√	√	√	√
	Check tread depth, and for damage. Replace if necessary.	√	√	√	√	√	√	√
	Check when the spokes is loose. Fasten if necessary.	√	√	√	√	√	√	√
	Check whether the front and rear wheels are aligned. Adjust if necessary.	√	√	√	√	√	√	√
	Check bearings for smooth operation. Replace if necessary.		√	√	√	√	√	√
Belt	Check belt tension. See page 56. Adjust if necessary.	√	√	√	√	√	√	√
	Inspect belt for signs of damage or cracking. Replace if necessary.	√	√	√	√	√	√	√
Driving Chain	Check driving chain tension. See page 57. Adjust if necessary.	√	√	√	√	√	√	√
	Driving chain clear and		√	√	√	√	√	√

Maintenance Record

	lubricating							
Steering Bearings	Check for looseness.	√	√	√	√	√	√	√
	Repack with all-purpose grease.		√	√		√	√	√
Front Fork and Rear Shock Absorber (Please also refer to fork and shock absorber manual).	Check operation, Service/adjust/ replace if necessary.	√	√	√	√	√	√	√
	Check oil leakage. Service/rebuild/replace if necessary.	√	√	√	√	√	√	√
Throttle	Check operation. Adjust or replace if necessary.	√	√	√	√	√	√	√
Side Kickstand	Check operation. Adjust or replace if necessary.	√	√	√	√	√	√	√
	Apply silicon grease lightly.		√	√	√	√	√	√
Motor	Check motor phase wire connections. Fasten if it's loose.	√	√	√	√	√	√	√
	Check magnetic coder. Fix if it's loose.	√	√	√	√	√	√	√
Heavy current cables	Check the heavy current cables for damages. Service/replace if necessary.	√	√	√	√	√	√	√
	Check the connections, Fasten if it's loose.	√	√	√	√	√	√	√
Fasteners	Check the fasteners' torque. Fasten if necessary.	√	√	√	√	√	√	√

Maintenance Record Card

Maintenance Record Card			
Date	**Odometer reading**	**Maintenance**	**Remarks**

Customer Information Card

Basic Information	bike Model	xXx MX ☐ xXx L1e ☐ xXx US Edition☐	
Owner’s Name		Order Date	
VIN			