



English

INSTRUCTION MANUAL

XAM (CE/L1E VERSION)

Version: 01 / March 2023

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WELCOME TO MALAGUTI

Thank you for choosing this vehicle. This model is safely designed, durably manufactured and excellent for daily use. The unique vehicle design represents your excellent personal taste.

This owner's manual explains the correct and safe use of the vehicle and simple inspections.

If you have any questions about the operation or maintenance of the vehicle, please contact your authorised dealer.

Please read the owner's manual carefully.

EXPLANATION

These operating instructions use the following symbols to draw attention to important information:

ENG

WARNING

Is a WARNING that must be followed! Failure to do so may result in serious injury or death to the rider or others involved.

NOTE

Is a NOTICE of important information which, if not followed, may result in damage to the vehicle.

NOTE

- The owner's manual should always be carried with the vehicle so that it is available for entries during maintenance by your authorised dealer. When selling the vehicle, please hand over the operating instructions with the vehicle to the new owner.
- The owner's manual contains all important information about the vehicle. However, the manufacturer is constantly making improvements which may lead to deviations from these operating instructions.* Please contact your authorised dealer directly with any questions.

WARNING

- For your own safety, please read these operating instructions carefully before operating the vehicle.
- Do not drive until you are fully familiar with the vehicle.
- Regular inspections and maintenance as well as good driving skills guarantee safe driving and the reliability of this vehicle.

*Product and specifications are subject to change without notice.

For single-track vehicles, driving safety depends largely on the driving skills of the user. The following requirements should be met before starting to drive.

The driver should:

- Be familiar with all vehicle functions and adequately trained on the vehicle before driving.
- Have read and understood all inspection and maintenance instructions in this book.
- Have sufficient driving skills to drive a single-track vehicle and hold a valid driving licence.
- Visit a workshop with basic expertise and detailed knowledge of this vehicle to ensure adequate and accurate inspection and maintenance of the vehicle.

SAFE RIDE

Always check your vehicle for various defects before setting off. Never exceed the maximum permissible gross weight. Accidents often occur because car drivers do not see motorcyclists and scooter riders. Therefore, the rider should do everything possible to be noticed by car drivers.

For example:

- Wear conspicuous clothing and drive carefully.
- Flash your lights when changing lanes and adjust your speed.
- Keep your distance from other road users and draw attention to yourself.
- Respect your limits.
- Do not lend the vehicle to unqualified people.
- Always obey the speed limits and traffic rules.
- Correct posture is important for balance.
- Sit upright and hold the handlebars firmly with both hands.
- The passenger must hold on tightly and stand with both feet on the footrests.
- Driving under the influence of alcohol or drugs is prohibited.

Protective clothing

Proper clothing protects against possible dangers:

- Always wear a safety helmet.
- Wear a face shield to protect the eyes from dust and rain.
- Wear a suitable jacket, shoes, gloves, etc. to protect yourself from the consequences of accidents.
- Do not wear loose clothing. This can get caught in the vehicle and cause accidents.
- Wear off-road gloves with joint and knuckle protection features to reduce the extent of hand injuries in the event of an accident.
- Professional, rugged off-road boots with high soles are required to improve leg and foot protection and driving safety.

Modifications

Modifications to this vehicle not approved by the manufacturer or removal of original components may make it unsafe and result in serious injury. Modifications may also result in loss of type approval.

SAFETY INSTRUCTIONS

Load capacity and accessories

Adding accessories or carrying loads can change the weight distribution and affect steering and balance. This can easily lead to an accident.

Payload

The total weight of the rider, passenger (if allowed), accessories and load must not exceed the maximum load. When loading within the restriction, please remember the following:

- The centre of gravity should be kept as low as possible.
- Distribute the weight as evenly as possible to maintain balance.
- The load must be securely fastened.
- Do not hang heavy or bulky loads on the handlebars, fork or mudguard. This can lead to imbalance and slowed steering response.

Accessories

Only use original accessories from the manufacturer for your vehicle. Please contact your authorised dealer. The manufacturer declines responsibility for unapproved accessories from other manufacturers. The responsibility for this lies solely with you.

When mounting accessories, please remember the following:

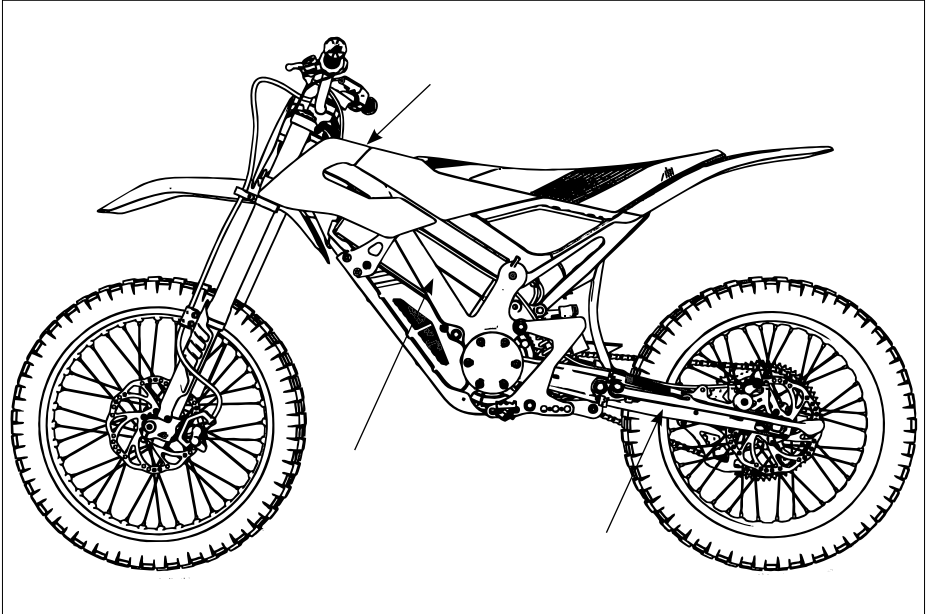
- Do not install any accessories or transport any loads that obstruct or restrict ground clearance, suspension travel, steering, lights, indicators or reflectors.
- Accessories on the handlebar or front suspension affect steering behaviour. Keep mounted accessories as light as possible.
- Do not mount luggage racks that affect the stability of the vehicle in crosswinds.
- Have electrical accessories fitted by an authorised dealer to match the capacity of the electrical system. Improper installation may cause lighting malfunction, low engine power and damage to the vehicle.

Further safety instructions

- Always signal when turning and changing lanes.
- Drive slowly and brake carefully on rain-soaked roads or slippery surfaces.
- Drive carefully past cars to avoid being hit by suddenly opening doors.

Safety and hazard information in the form of stickers on the vehicle

This illustration shows you where to find the various safety and danger notices in the form of stickers on your vehicle. Please read them carefully and do not remove them. If you notice that you have lost the sticker or the writing has become illegible, contact your dealer and ask for a replacement.



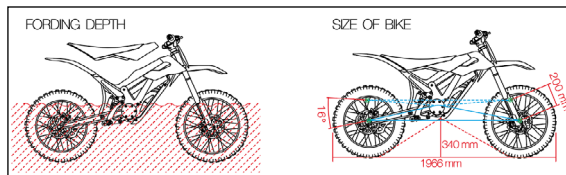
STOP WARNING

IMPORTANT: CHAIN TENSION
The chain should have a play of 10–15 mm. If not it can be adjusted from the Rear chain tensioners.

10–15 mm

STOP WARNING

- Improper tire pressure or overloading can cause loss of control.
- Loss of control can result in severe injury or death.
- Cold tire pressure:
Front: 26 psi (180 kPa) / Rear: 26 psi (180 kPa)
- Maximum weight capacity: 165 lbs. (75 kg)



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L1e Version:



⚠ WARNING

- Do not short circuit positive and negative of the battery.
 - Do not dismantle the battery.
 - Do not place the battery under high temperatures, such as heat, sunlight, or close to fire.
 - Do not place the battery in fluids, such as water, acid, alkaline or salt water.
 - If stored for a long time, keep the battery cool and dry, and charge the battery for 2 hours every other 3 months.
 - Always charge the battery with fused charge and the lithium ion or lithium polymer battery.
- This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause interference.

Manufacturer:
Gumpang Greenway Technology Co., Ltd.
Company:
GUMFANG GREENWAY TECHNOLOGY CO., LTD.
Address:
Frank Van Derkelen 6, 1040 Tienen, Belgium



Rechargeable Li-ion Battery

Model: DM3862007

Nominal voltage: 74V

Rated capacity:35Ah(2590Wh)

Maximum charging limited voltage: 84V

Minimum discharge limited voltage: 56V

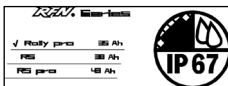
Charging temp range: 0~45°C

Discharging temp range: -20 ~ 55°C

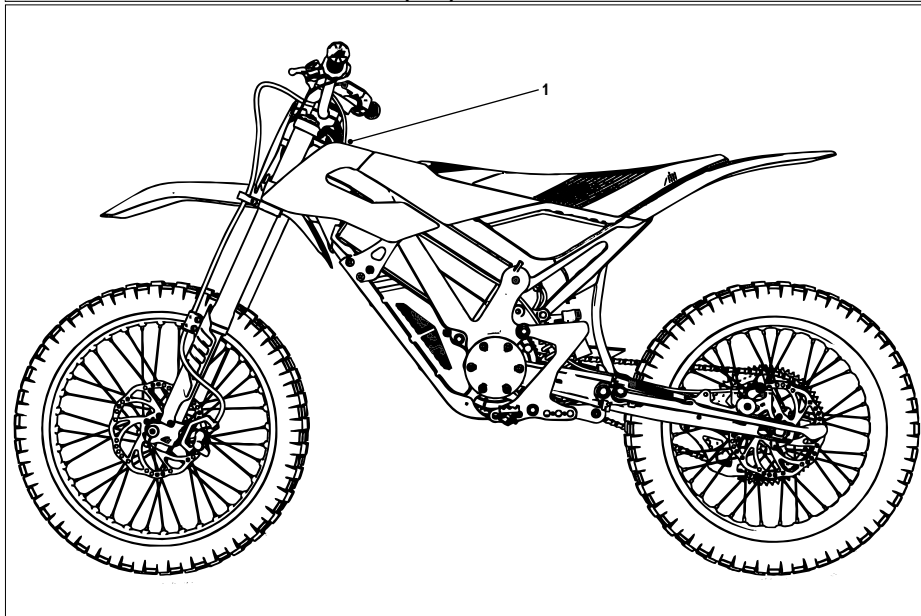


Date of manufacture: XXXX - XXXX

Designed by AM



VEHICLE IDENTIFICATION NUMBER (VIN)



The vehicle identification number (VIN) (1) is stamped on the head tube of the frame.

Vehicle identification number:

NOTE

Please make a note of the VIN (vehicle identification number) in order to order spare parts from your dealer or in case the vehicle is stolen. The vehicle identification number is used to identify your vehicle and can be used for registration with the registration authorities in your region.

MANUFACTURER

Name:	Zhejiang Apollo Sports Technology Co., Ltd.
Address:	No.12-14, Jinheng Second Road, Jinyanshan Industrial Zone, Quanxi Town, Wuyi County, Jinhua City, Zhejiang Province, China
URL:	www.apollovehicle.com

DISTRIBUTOR

Name:	KSR Group GmbH
Address:	Im Wirtschaftspark 15, 3494 Gedersdorf
URL:	www.ksr-group.com

L1e VIN Plate

ZHEJIANG APOLLO SPORTS TECHNOLOGY CO., LTD.	
L1e-B	
e13*168/2013*?????	
☆L08P10T0???????	
4 kW	45 km/h
max 154 kg	

CE VIN Plate

Malaguti	
CE	
MODEL: XAM	WEIGHT: 78 kg
RATED VOLTAGE: 72 V	LENGTH: 1800 mm
RATED POWER: 5 kW	SERIAL NO.: L01Y10100100002
MAX SPEED: 70 km/h	DATE: 2013.04
ZHEJIANG APOLLO SPORTS TECHNOLOGY CO., LTD.	

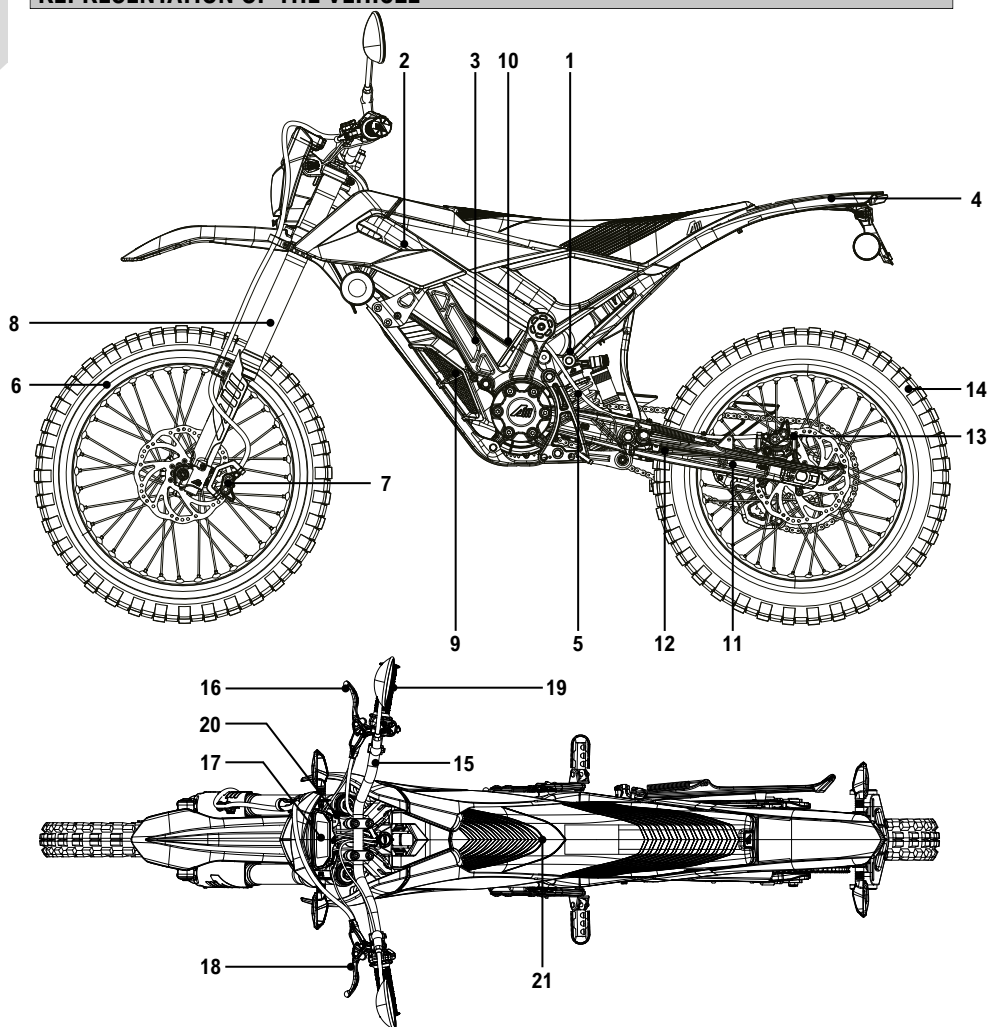
Inverkehrbringer

KSR-Group GmbH
Im Wirtschaftspark 15
3494 Gedersdorf
Österreich

INSTRUMENTS & OPERATION

REPRESENTATION OF THE VEHICLE

ENG



1. Charging connection

2. Battery lock

3. Frame

4. Rear mudguard

5. Rear shock absorber

6. Front wheel

7. Front brake system

8. Suspension fork

9. Motor control

10. Lithium battery pack

11. Side stand

12. Swing arm

13. Rear brake system

14. Rear wheel

15. Handlebar

16. Brake lever front brake

17. Dashboard

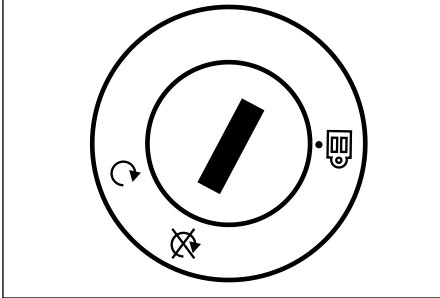
18. Rear brake lever

19. Throttle

20. Ignition lock

21. Seat

IGNITION LOCK



The ignition lock controls the ignition and lighting system and is used to lock the steering.

Power switched on -

When you turn the key to this position, and fold in the side stand, the READY lettering on the speedometer lights up and you can start riding.

NOTE

When the side stand is folded out, it is not possible to drive off

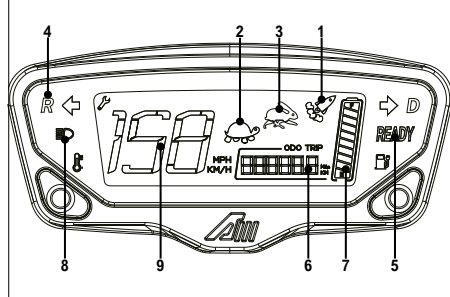
Power switched off -

All electrical systems are turned off. The key can be removed.

Handlebar lock -

The steering is locked and all electrical systems are switched off. The key can be removed.

INSTRUMENT CLUSTER (L1E-VERSION)



1. Rocket mode

In rocket mode, the vehicle runs at maximum power. Note, however, that continuous operation in rocket mode greatly reduces the range.

2. Tortoise mode

The icon lights up when the tortoise mode is active.

3. Rabbit mode

This icon light is on when the rabbit mode is active.

4. Reverse mode

This icon light is on when the reverse mode is active.

5. READY control lamp

When the side stand is folded in and the Main Switch is switched on, hold the brake lever for 2 seconds, the READY icon lights up and you can start riding.

6. Odometer

The total odometer shows the total distance travelled by the vehicle.

If there is a fault, the odometer numbers change to a flashing fault code indicating the specific fault.

7. Charge level indicator

This icon light shows the charge level of the battery.

INSTRUMENTS & OPERATION

ENG

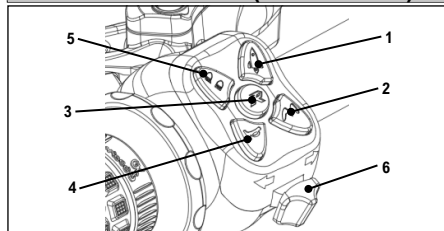
8. Headlight control lamp

This icon light is on when the light is on.

9. Speed display

The current speed is shown here.

HANDLEBAR SWITCH (L1E VERSION)



1. Rocket mode

When you press this button, the vehicle runs at maximum power. Note, however, that continuous operation in rocket mode greatly reduces the range.

2. Drive mode switch

Switch between tortoise and rabbit mode. Press once to switch between tortoise and rabbit mode. When charge level indicator is <20 %, the vehicle automatically switches to tortoise mode.

3. Reversing switch

With the vehicle stationary, press this button for two seconds to switch to reverse mode. The maximum reversing speed is <9 km/h.

4. Horn

Press the button to activate the horn.

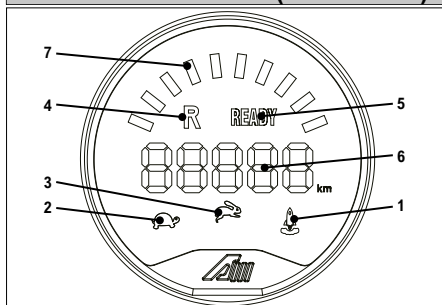
5. High beam and low beam

To switch on, press the button for 2 seconds.

6. Indicator

To turn right, slide the indicator switch to the right. To turn left, slide the indicator switch to the left. To switch off the indicator, push the switch back to the centre position.

INSTRUMENT CLUSTER (CE-VERSION)



1. Rocket mode

In rocket mode, the vehicle runs at maximum power. The mode is maintained for 9 seconds each time and then automatically changes to the original mode.

2. Tortoise mode

The icon lights up when the tortoise mode is active.

3. Rabbit mode

This icon light is on when the rabbit mode is active.

4. Reverse mode

This icon light is on when the reverse mode is active.

5. READY control lamp

When the side stand is folded in and the ignition is switched on, hold the brake lever for 2 seconds, the READY indicator lights up and you can start riding.

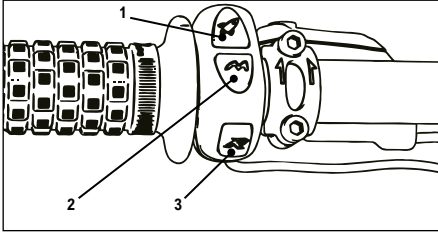
6. Odometer

The total odometer shows the total distance travelled by the vehicle. If there is a fault, the odometer numbers change to a flashing fault code indicating the specific fault.

7. Charge indicator

This icon light shows the battery charge level. If there is an error in the battery communication, the power supply indicator flashes red.

HANDLEBAR SWITCH (CE VERSION)



1. Rocket mode

When you press this button, the vehicle runs at maximum power for 9 seconds. After that, the vehicle returns to the original mode.

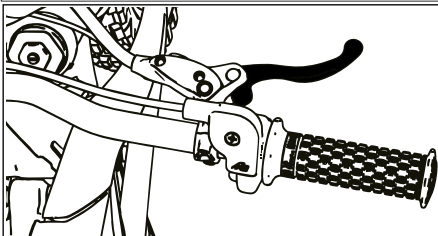
2. Drive mode switch

Switch between tortoise and rabbit mode. Press once to switch between tortoise and rabbit mode; when charge level indicator is <20 %, the vehicle automatically switches to tortoise mode.

3. Reversing switch

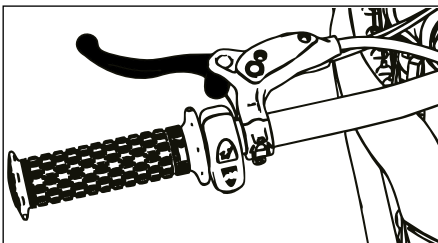
With the vehicle stationary, press this button for two seconds to switch to reverse mode. The maximum reversing speed is <9 km/h.

HANDLEBAR LEVER



Front brake

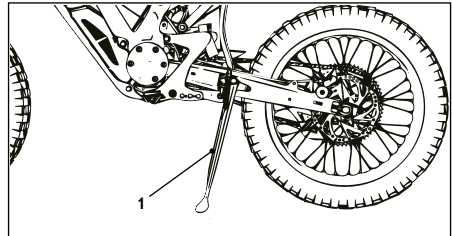
The brake lever for the front brake is located on the right-hand side of the handlebar.



Rear brake lever

The brake lever for the rear brakes is located on the left side of the handlebar.

SIDE STAND

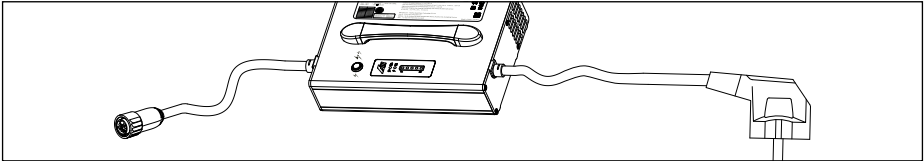


The side stand (1) is located on the left side of the vehicle. Fold out the side stand with your foot to park the vehicle. The vehicle enters the P-gear without power output state when the side stand is open and rest for 3 mins. Hold the brake lever for 2s to unlock the vehicle into forward gear.

NOTE

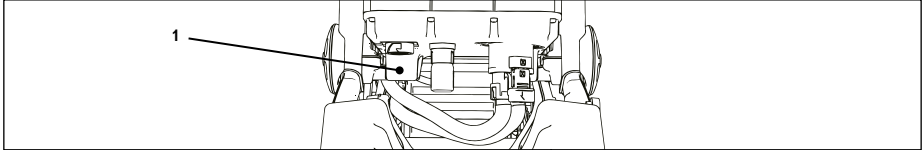
When the side stand is folded out, the READY indicator does not light up and you cannot start riding. Do not use the side stand for parking on a slope or on soft or uneven ground.

CHARGER



The vehicle is equipped with a battery charger. If only a red indicator remains lit on the meter, please charge the vehicle immediately. Only the factory-supplied battery charger may be used to charge the battery.

CHARGING CONNECTION



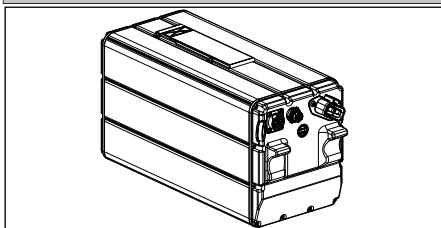
The charging connection is located on the battery (1). The battery can be charged in the vehicle or when removed. Always cover the charging port with the dust caps to prevent foreign objects from entering and damaging the charging port or corroding the port.

NOTE

The indicator light of the charger has the function of status display and error display.

Nr.:	Charge status	Battery voltage Charging current	Status display
1	Charge level empty	Battery not connected	Charge indicator flashing
2	Charging process	10A charging current	The charge level indicator consists of 5 bars. Depending on the charging status, 0-5 bars light up.
3	Battery fully charged		The charge indicator go out, all bars on the display light up.
4	Error display	Battery voltage too low or short circuit (battery voltage is lower than 44V)	The display for 20% and 40% battery capacity flickers faster.
		Battery overvoltage (battery voltage is higher than 85V)	The display for 20%, 40% and 60% battery capacity flickers faster
		Battery disconnected or overheated alarm	The indicator for 20%, 40%, 60% and 80% of battery capacity flickers faster
		Charger malfunction (overvoltage, overcurrent, overheating of the power supply unit)	The indicator for 20%, 40%, 60%, 80% and 100% of battery capacity flickers faster

BATTERY



The battery is located under the seat.

NOTE

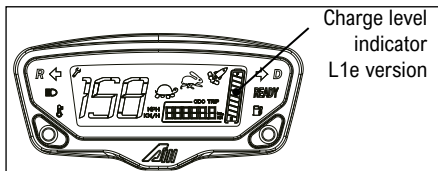
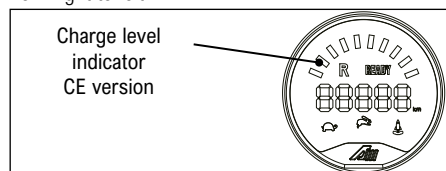
Please observe the warnings on the battery, including: Battery charging temperature range: 0~45°C, Battery discharging temperature range: -20°C~55°C.

It is recommended to charge the battery every 30 days when not in use. The battery may go into sleep mode if it is not used for more than 90 days. After going into sleep mode, the battery can be activated via the charger: First connect the charger to the battery and then connect it to the mains.

WARNING

- Do not disassemble or bump the battery.
- Do not leave the battery in an environment where the temperature is not in the range of -25 to 70°C.
- Do not place the battery with unconnected or unsealed terminals in liquids such as water, acid, alkali, salt water, etc.
- Please read the warning label on the battery carefully before use.

The charge level indicator has 10 cells, with each cell corresponding to 10% of the power and decreasing from right to left.



If the second cell lights up yellow, the battery still has 20% energy. The 3rd to 10th cells indicate 30-100% energy.

NOTE

- Please charge the battery regularly
- Avoid completely discharging the battery.
- Do not switch on the battery while it is being charged in the vehicle.

WARNING

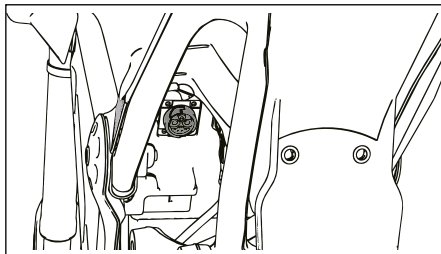
- If the battery power drops below 20 %, the power is limited and the vehicle forcibly switches to tortoise mode.
- Please charge the battery immediately when the power drops below 10 %. Otherwise, irreparable damage may occur.

CHARGING THE BATTERY

1. Switch off the vehicle.
2. Connect the charger plug to the battery.
3. Insert the main plug into a 220 V socket.
4. The charging indicator lights up while the battery is charging.
5. When the battery is fully charged, the charger's power indicator lights up fully and the operating noise is reduced.
6. Disconnect the plug.

NOTE

For storage, keep the battery charged between 30% and 70%. Check the SoC every few weeks and recharge if necessary. Never store the battery fully charged.



NOTE

- Charge the battery regularly to prevent the battery from becoming completely discharged.
- Do not switch on the battery while it is being charged in the vehicle.

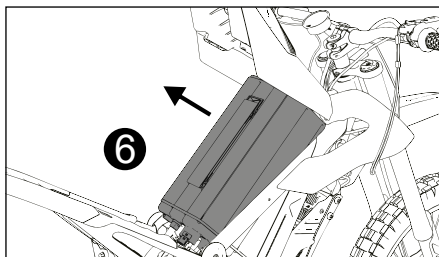
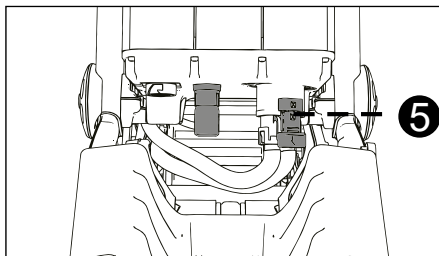
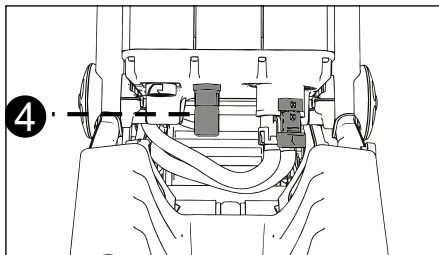
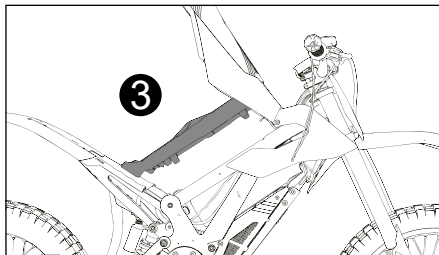
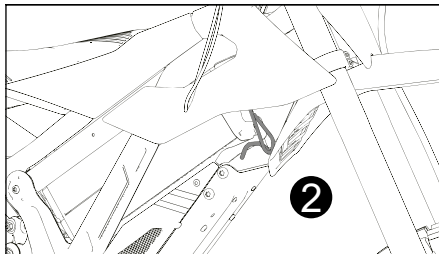
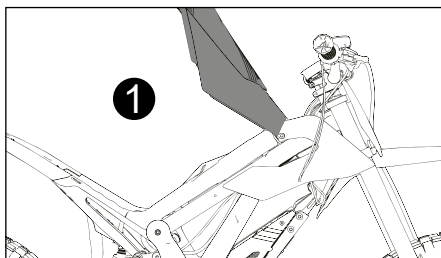
WARNING

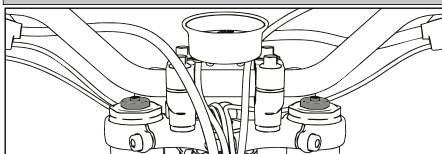
Please note that the battery must never be completely discharged, otherwise it will be permanently damaged. A damaged battery caused by over-discharge due to improper operation cannot be repaired and must be replaced at the user's expense.

REMOVE BATTERY

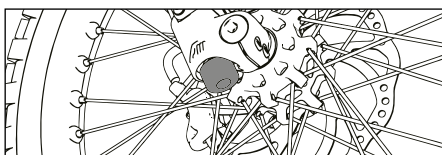
1. Remove the bench seat
2. Open the locking mechanism
3. Remove the battery cover
4. Unplug the communication connector
5. Unplug the power supply
6. Remove the battery

Insert the battery in reverse order.

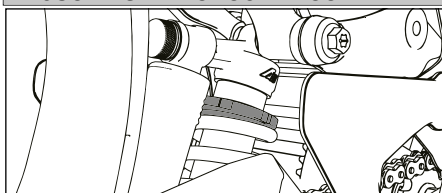


SUSPENSION FORK ADJUSTMENT

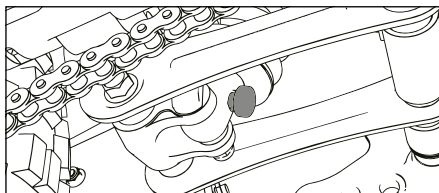
The rotary knob above the front shock absorber is used to adjust the rebound damping. The rebound damping knob controls the damping during rebound. When the knob is turned clockwise, the suspension fork rebounds more slowly. When the knob is turned anticlockwise, the suspension fork rebounds faster.



The knob below the front shock absorber is for adjusting the compression damping. The compression damping adjustment knob controls the damping during compression. When the knob is turned clockwise, the compression of the shock absorber becomes harder. When the knob is turned anticlockwise, the compression of the damper becomes softer.

ADJUSTING THE SHOCK ABSORBER

To adjust the spring preload of the damper, please turn the adjusting nut on the top of the damper.



The rebound damping adjustment knob is located on the bottom of the damper. The compression damping adjustment knob is located on the top of the damper. When the knob is turned clockwise, the springing out of the damper is slower. When the knob is turned anticlockwise, the spring element springs out faster. The compression damping adjustment knob controls the damping during compression. When the knob is turned clockwise, the compression of the damper becomes harder. When the knob is turned anticlockwise, the compression of the damper becomes softer.

NOTE

For your safety, you should check the condition of your vehicle before each use to avoid safety-related incidents due to vehicle failure.

WARNING

- If any part of the vehicle is found to be defective, do not drive the vehicle.
- The manufacturer does not guarantee against problems caused by negligence on the part of authorised dealers or lack of care and maintenance on the part of the vehicle user, and does not guarantee against damage to the vehicle or safety accidents resulting from incorrect operation.

INSPECTION BEFORE DEPARTURE

ENG

CHECKLIST

It is the owner's sole responsibility to keep the vehicle in optimum condition. The driver must check the vehicle through simple but thorough inspections to ensure optimum vehicle condition. Before each journey, some important parts must be inspected quickly to avoid serious vehicle malfunctions that could lead to serious accidents.

NOTE

A short inspection should be carried out before each ride. This only takes a short moment and is for your own safety.

WARNING


If any component of the vehicle is found to be faulty during inspection, have the vehicle repaired by an authorised dealer. In the event of negligence on the part of the vehicle owner, such as lack of care and maintenance, operation of the vehicle with defective or improperly maintained parts, the manufacturer will not accept any warranty.

Components	Activities
Brake system	<ul style="list-style-type: none">• When you apply the brake, the brake lever should not touch the handlebar.• The brake system must operate at a constant pressure. If the required braking force is only achieved after pulling the brake lever several times, contact an authorised dealer to have the brake system checked.• Check the brake lines for fluid leaks.• Check the brake pads. If the brake pads are only 1 mm thick at any point, replace them.
Tyres	<ul style="list-style-type: none">• Check if the wheels are running properly.• Check if the tyres are damaged and if the tread depth is sufficient.• Check tyre pressure and correct if necessary
Throttle grip	<ul style="list-style-type: none">• Check that the throttle grip operates normally and turns smoothly without jamming. Check that the return position is normal.
Side stand	<ul style="list-style-type: none">• Check the operating status. When the vehicle is switched on and the throttle grip is operated, the side stand must be folded in.
Fixing elements on the chassis	<ul style="list-style-type: none">• Make sure that all visible nuts and bolts are properly tightened. Retighten if necessary.
Chassis	<ul style="list-style-type: none">• Check the function of the shock absorbers by compressing them several times. Also check the front and rear shock absorbers for leaks and dirt.• Apply the front brakes and push down on the handlebars several times to check that the front shock absorbers are working properly. Press down hard on the seat several times to check if the rear shock absorber is working properly.
Display and lighting	<ul style="list-style-type: none">• Check that all lights on the display and on the vehicle are working properly. This is especially important to be visible to other road users.
Battery	<ul style="list-style-type: none">• Make sure that the battery is always fully charged before use.
Steering	<ul style="list-style-type: none">• Check that there are no faults and, if necessary, lubricate the pivot point of the steering.

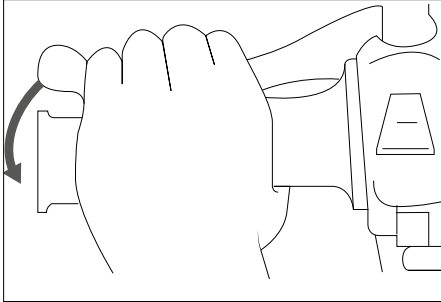
START VEHICLE

NOTE

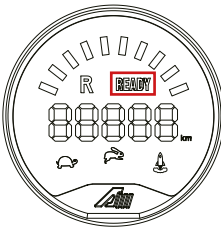
Make sure the battery is inserted correctly and fully charged.

Turn the key to 

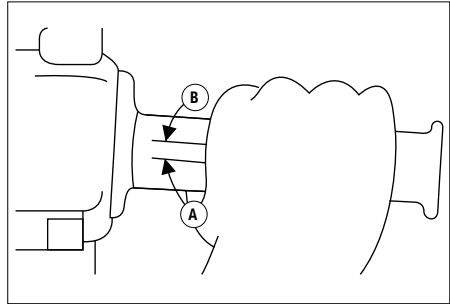
DRIVE OFF



1. Fold in the side stand.
2. Sit on the seat.
3. Press and hold the brake lever for more than 2 seconds and the display shows the Ready status.
4. Slowly turn the throttle lever (right) to start driving.



ACCELERATE & DECELERATE



The speed is controlled with the throttle grip. To accelerate, turn the handle in direction (a) and to decelerate, turn the handle in direction (b) or release the handle.

BRAKES

Pull the front and rear brakes at the same time, increase the brake pressure evenly.

WARNING

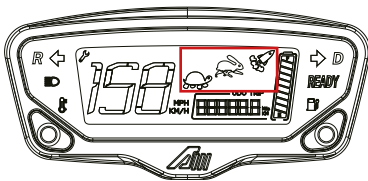
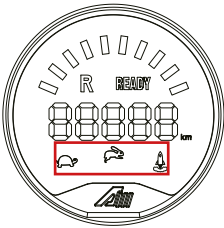
- Avoid abrupt or sharp braking. You could skid.
- Level crossings, tram tracks, steel plates in construction areas and manhole covers are particularly dangerous when they are wet. Reduce your speed and cross these hazards with extreme caution.
- Remember that braking is more difficult on wet roads.
- When going downhill, please drive slowly. Braking when going downhill is particularly difficult.

MAINTENANCE AND SERVICING

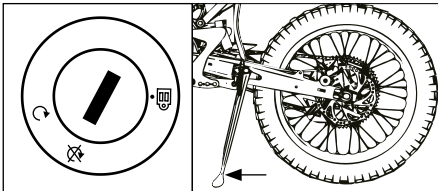
SELECTING A DRIVING MODE

Use the driving mode button to select between three modes:

- **Tortoise mode:** In this mode, the power output is limited and the tortoise symbol on the meter lights up.
- **Rabbit mode:** In this mode, the available power is higher and the rabbit symbol on the meter lights up.
- **Rocket mode:** Press the rocket button to activate this mode. After the mode is switched on, it continues to output the maximum power, and the rocket icon on the instrument is dynamically flashing



PARKING



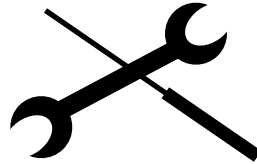
To park:

- Switch off the engine using the ignition lock.
- Put the vehicle on the side stand.
- Remove the key.

WARNING

Make sure that the vehicle is parked on a stable and level surface.

FIRST MAINTENANCE



The safety and condition of your vehicle are affected by proper maintenance, regular inspections, adjustments and lubrication. On the following pages you will find the relevant instructions. The maintenance information can help you with preventive maintenance and minor repairs. However, some maintenance work requires special tools.

WARNING

Do not carry out any maintenance work with which you are not familiar or which could affect the warranty service.

Modifications to your vehicle that are not approved by the manufacturer may alter the performance of the vehicle and affect driving safety. If the customer makes such modifications without the manufacturer's approval, the warranty will be void.

TYRES

To ensure optimum performance, durability and safe operation of your tyres, please observe the following tyre instructions.

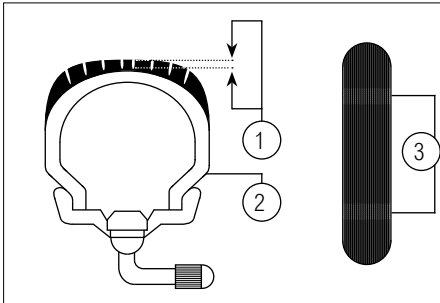
Tyre pressure must be checked before each ride and corrected if necessary. When checking tyre pressure, ensure that the tyres are at room temperature.

Tyre pressure	
Front	2,25 bar (32,6 psi)
Rear	2,25 bar (32,6 psi)

WARNING

Do not overload your vehicle. The higher the load on the vehicle, the higher the pressure in the tyres and the higher the resistance of the tyres, brakes and steering. This can lead to damage or accidents. A reasonable weight distribution on your vehicle is important for your safety!

Tyre inspection



1. Tread depth
2. Sidewall
3. Wear indicator

WARNING

Check the condition of the tyres before every journey. If a tyre shows cross lines (minimum tread depth), this indicates damage. Have the tyre checked immediately by a specialist and have the tyre replaced immediately if necessary.

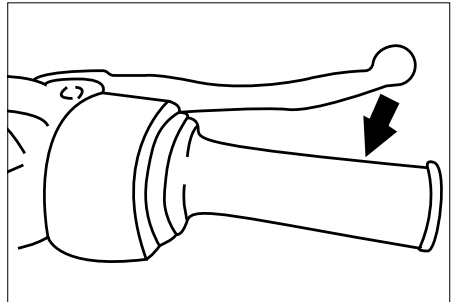
RIMS

For best performance and durability and safe operation of your vehicle, please follow the instructions below regarding the rims.

- Check the rims for cracks and deformations before every ride.
- Have damaged rims replaced by your specialist dealer.
- Do not carry out any unauthorised repairs to the rims.
- A deformed or broken rim must be replaced.
- The wheel must be balanced after a tyre change.
- An unbalanced wheel will result in poor performance, difficult control of the vehicle and shorten the life expectancy of the tyre.
- After changing a tyre, drive slowly at first, as the tyre must be run in.

BRAKES

Brake lever play

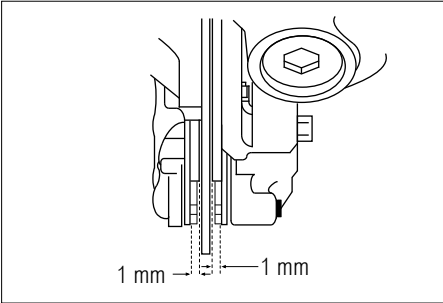


The brake lever should have a play of 10-20 mm measured at the end of the lever. If this is not the case, please contact your dealer to have the brake system checked.

WARNING

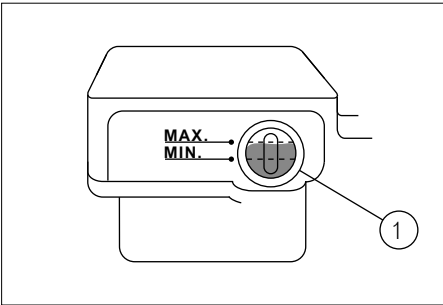
- A brake lever that feels soft or spongy when braking may indicate that there is air or water in the hydraulic system. If there is air or water in the hydraulic system, please have it bled or the brake fluid replaced by your dealer.
- Air or water in the hydraulic system reduces braking performance and may cause loss of control of the vehicle.

Brake pads



The brake pads must be checked at regular intervals. In the best case, before every journey. The wear of the pads depends on driving style and road conditions. If the minimum pad thickness of 1 mm is reached, both pads must be replaced. Leave the replacement of the brake pads to the specialist dealer. Worn brake pads increase the braking distance.

Brake fluid



WARNING

Insufficient brake fluid level can lead to air entrapment in the brake system, which reduces braking force. Check that the brake fluid is above the minimum mark (1) before each journey and top up if necessary.

- A low level may also indicate worn brake pads or a leak in the brake system.
- If the brake fluid level is low, please check the brake pads for wear and the brake system for leaks.
- When checking the brake fluid level, make sure that the brake master cylinder is level. Turn the handlebar accordingly.
- Only use high-quality brake fluid, otherwise the rubber seals may degrade and lead to poor braking performance.

BRAKE FLUID	
Quality	DOT 4

- Always top up with the same brake fluid. Mixing can lead to chemical reactions and reduced braking performance.
- Make sure that no water enters the brake master cylinder when refilling. This reduces the boiling point of the brake fluid considerably and can lead to the formation of vapour bubbles.
- Brake fluid attacks painted surfaces and plastic. Always wipe off overflowing brake fluid immediately.
- As your brake pads wear, the level of brake fluid also decreases.
- However, if the brake fluid level decreases quickly, please contact your specialist dealer.

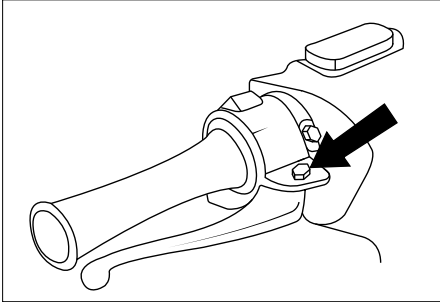
Change brake fluid

WARNING

The brake fluid may only be changed by the specialist dealer.

Have your specialist dealer check the brake fluid according to the maintenance table and replace it if necessary.

Lubricate brake lever



The hinge points of the lever must be lubricated regularly.

SIDE STAND

Check the side stand before each ride and lubricate the surfaces where metal meets metal regularly.

WARNING

If a stand does not fold in and out easily, please contact your specialist dealer.

CHASSIS

The condition of the telescopic suspension fork and the shock absorber must be checked according to the maintenance table. Furthermore, these should be subjected to a brief check before each ride and treated with care products if necessary.

WARNING

Park the vehicle securely so that it cannot fall over during the inspection.

- Park the vehicle level and upright.
- Check the inner tubes for scratches, damage and oil leaks.
- Pull the front brake and push the handlebar down hard several times to check the suspension of the fork.
- Push hard on the seat several times to check whether the shock absorber is working properly or not.

WARNING

- In case of damage to the fork, please contact your specialist dealer.
- If you treat the telescopic fork with care products, make sure that they do not get onto the tyres or the brake system. This can lead to dangerous accidents.

STEERING

Place the vehicle on the main stand and unload the front wheel. This should be done by an assistant by pushing down on the rear of the vehicle. Hold the fork down and try to move it back and forth. If you notice any play, please contact your dealer to check the steering.

WARNING

A worn or loose steering bearing is dangerous. Have the steering checked according to the maintenance table. Furthermore, it should be subjected to a brief check if necessary.

WHEEL BEARING

The wheel bearings of the front and rear wheel must be checked according to the maintenance table.

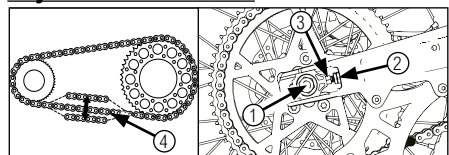
NOTE

If you notice play in the wheel hub or if the wheel does not turn easily, have the wheel bearing checked by your specialist dealer.

CHAIN TENSION

Incorrect chain tension can damage the chain discs, bearings, sprockets or the chain itself. In the worst case, the chain can break or jump over the sprockets, which can lead to traffic accidents.

Adjust chain tension:

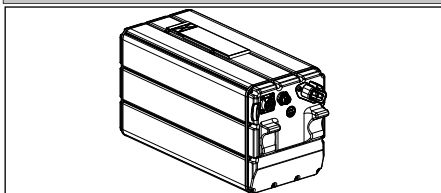


WARTUNG & INSTANDHALTUNG

ENG

1. Loosen the axle nut (1)
2. Loosen the lock nut (2)
3. Turn the adjustment screw (3) to set the correct tension.
4. When the vehicle is not loaded, the chain tension should be 5-10mm (4).
5. Tighten the axle nut. Tightening torque : 85 - 95 Nm

BATTERY



The vehicle is equipped with a maintenance-free battery.

Never open the battery. This would be dangerous and cause permanent and severe damage to the battery. Ensure that the battery is kept away from other hazardous environments such as open fires or cigarettes and that there is adequate ventilation.

When charging the battery indoors, always ensure that the battery is kept in a safe place.

FUSES



If the vehicle's display does not work after switching on the main switch and ignition, this may be due to a blown fuse.

Change fuse:

1. Switch off the main switch and disconnect the battery.
2. Open the white transparent fuse holder of the battery and replace the fuse. (Glass tube fuse 10A)
3. Reconnect the battery and switch on the main switch.
4. Check the function of the electrical components.
5. If the fuse breaks again, contact your dealer to check the electrical system.

WARNING

Do not use a fuse with a higher ampere rating as this may cause serious damage to the electrical system or fire.

FAULT DETECTION

Although your vehicle has been thoroughly checked before delivery, problems may occur during operation.

The fault detection chart below shows quick and easy test methods that you can use to perform a quick check yourself. If your vehicle needs repairs, please contact your dealer who has the necessary tools, expertise and experience to service your vehicle properly.

ENG

ERROR	ERROR CODE	CAUSE	MASSNAHME
When the bike is switched on, "READY" does not light up.		Side stand switch defective	Replacing the side stand switch
		Brake switch fault	Replace brake switch
		The ignition lock is defective or the key is not in position	Insert the key correctly, Replace ignition lock
The vehicle is switched on and the "READY" indicator lights up, but the motor does not work.	10 20	Battery fault	Check the cable or change the battery
	30 50	Controller fault	
		Motzor fault	
		Throttle grip fault	Check the plug and the cable of the throttle grip or change it if necessary.
		Brake switch fault	Replace the brake switch
Failure of the speed control or the maximum speed is lower.	Battery level only 2 bars	If the battery capacity is less than 20%, it switches to turtle mode.	Fully charge the battery
	11 21	The temperature of the battery is higher than 60 °C or lower than 0 °C.	Let the battery cool down, warm up
	21	The temperature of the controller is higher than 90 °C.	wait until the temperature is below the limit value
	31	The engine temperature is higher than 120 °C	wait until the temperature is below the limit value
	50	Throttle error	Visit a dealer to replace the gas regulator

FAULT DETECTION

ENG

Insufficient mileage from a single battery charge.		The tyre pressure is insufficient	Make sure that the tyre pressure is correct.
		The battery is not fully charged or the charger is defective.	Fully charge the battery or check that the charger plug is connected correctly.
		The brake setting is not correct, the driving resistance is too high.	Readjust the brake system
		The battery is aged or damaged	Change the battery
		Too many gradients, headwind, frequent acceleration and braking, heavy load	It is normal for the mileage to decrease in this circumstance
The charger does not work	Two lights flash	Undervoltage of the battery (lower than 44 V) or short circuit at the output	Restore the voltage above 56 V or replace the battery.
	Three lights flash	Overvoltage of the battery (higher than 85 V)	Reduce the voltage to less than 84 V or replace the battery.
	Four lights flash	The positive and negative terminals of the battery are connected back or the battery is overheated.	Check the connector plug and wait until the temperature of the battery has dropped below the limit value
	Five lights flashing	Fault in the charger	Wait until the charger temperature is below the limit or replace the charger.
		The charger plug falls off or the connection is loose	Check that the charger input and output plugs are correctly connected
Noise from the plastic body when driving		The tightness of the chain is not adequate	Adjust the tightness of the chain
Other fault		If you encounter a fault that cannot be rectified according to the above instructions, or a fault that cannot be determined.	In such cases, please contact a workshop. The above-mentioned parts must not be opened. You must not use the appliance without authorisation, otherwise you will lose the company's guarantee promise
		Damage to the motor, controller, charger and battery pack.	

CLEANING THE VEHICLE

Regular and proper cleaning of your vehicle will extend its service life.

Preparation:

- Wait until the motor has cooled down.
- Close all covers and electrical connections to protect them from water.

Do not use petrol, rust remover, brake disc cleaner, etc. to clean plastic parts and painted parts as this may damage them. Clean the vehicle as soon as possible after driving it in a salty environment.

NOTE

Please always follow the care and cleaning instructions provided by the manufacturer

It is best to clean the vehicle only with water and mild cleaning agents or with special cleaning agents from specialist dealers. Acidic cleaners are prohibited for cleaning the vehicle. If such acidic cleaners are used accidentally, please clean the area immediately to avoid damage to the vehicle. Dry the vehicle afterwards with a dry towel or sponge. Do not use high-pressure water guns or steam cleaners to clean the vehicle. This can cause water to enter the bearings or electrical components such as connectors, switches or lights, and damage the brake pads, seals, paint or other parts.

CLEANING AFTER NORMAL USE

Remove dirt with warm water, a mild detergent and a soft, clean sponge, then rinse thoroughly with clean water. Use a toothbrush or bottle brush for hard-to-reach areas.

SALT PURIFICATION

Since sea salt or salt sprayed on the roads in winter is extremely corrosive when combined with water, carry out the following steps after every journey.

- Wait until the motor has cooled down.
- Clean the vehicle with cold water and a mild detergent.
- Do not use hot water as this increases the corrosive effect of the salt.
- Apply an anti-corrosion spray to all metal surfaces, including chrome-plated and finished surfaces, to prevent corrosion.

AFTER CLEANING

- Dry the vehicle.
- To prevent rust, use suitable care products according to the manufacturer's instructions.

WARNING

- Make sure there is no oil or wax on the brakes or tyres.
- If necessary, clean the brake discs and pads with a commercial brake cleaner and wash the tyres with warm water and a mild detergent.
- Test the brake performance and tyres before operating the vehicle.

STORAGE

For a short time (a few days)

Always store your vehicle in a cool and dry place. If necessary, protect it from dust with a vehicle cover.

For longer periods (several weeks)

Remove the battery from the vehicle. Check or adjust the tire pressure and lift the vehicle off the ground so that all wheels are not in contact with the ground. If this is not possible, rotate the tires every month to avoid damage caused by partial stress on the tires over time.

WARNING

Please store the vehicle in a well-ventilated room with as dry air as possible. A place with high humidity will lead to rust formation.

CARE AND STORAGE

ENG

Battery Storage

- If the vehicle has not been used for more than one month, remove the battery from the vehicle, charge it between 30% and 70%, and store it in a dry place at 0–40° C.
- If the battery is stored for more than two months, check the SoC every few weeks and recharge if necessary.
- Never store the battery fully charged.
- Charge the battery before reinstallation.

TECHNICAL DATA - XAM

BATTERY	CE	L1E
Capacity (Gross):	35Ah / 2590Wh	35Ah / 2590Wh
Cells:	LG 2170 NMC Cells	LG 2170 NMC Cells
Features:	Removable, can be charged when installed in bike or separately.	Removable, can be charged when installed in bike or separately.
Voltage (nominal):	74 V	74 V
BRAKES	CE	L1E
Disc:	Stainless steel, 210mm diameter, 2.0mm thickness	Stainless steel, 210mm diameter, 2.0mm thickness
Type:	Hydraulic 4-piston calipers fr and rr	Hydraulic 4-piston calipers fr and rr
Regenerative Braking:	-	Yes
CHARGING	CE	L1E
0-100% :	3 hours	3 hours
0-80% :	2 hours	2 hours
Type:	Variable voltage external smart charger. 110-240V, 84V 10A	Variable voltage external smart charger. 110-240V, 84V 10A
CONTROLLER	CE	L1E
Features:	Sine Wave motor control algorithm	Sine Wave motor control algorithm
Maximum current:	150A	66A
DRIVETRAIN	CE	L1E
Chain:	420DX	420DX
Electric motor:	Permanent magnet synchronous motor	Permanent magnet synchronous motor
Nominal power:	5 kW	4 kW @ 2000umin
Peak power:	11kW	4,3 kW @ 1560umin
Front sprocket:	13T	11T
Rear sprocket:	58T	58T
Transmission Ratio	4,46	4,46
Nominal Torque (Motor)	21 Nm	19,1 Nm @ 2000umin
Peak Torque (Motor):	58 Nm	46 Nm
Torque (wheel):	260 Nm	242 Nm
Type:	Direct drive, chain	Direct drive, chain

TECHNICAL DATA

DIMENSIONS	CE	L1E
Fork angle:	24°	24°
Trail:	111mm - 4.37"	111mm - 4.37"
Length	1950mm	1950mm
Width	770mm	770mm
Height	1090mm	1090mm
Seat height:	860mm	860mm
Wheel base:	1330mm	1320mm
Ground clearance:	320mm	320mm
BODY AND FRAME	CE	L1E
Frame:	6082 aluminium - extruded, forged and CNC machined and steel tube weldment	6082 aluminium - extruded, forged and CNC machined and steel tube weldment
Body	PP/ABS plastic	PP/ABS plastic
LIGHTS	CE	L1E
Headlight	-	LED High/Low Beam
Taillight	-	LED
Indicators	-	LED
FRONT SUSPENSION	CE	L1E
Type:	Upside-down	Upside-down
Travel:	200mm	200mm
Diameter:	43mm	43mm
Adjustability:	Compression/Rebound and preload adjustable	Compression/Rebound and preload adjustable
REAR SUSPENSION	CE	L1E
Type:	Mono-shock	Mono-shock
Length:	240mm	240mm
Travel:	74mm	74mm
Adjustability:	Compression/Rebound and preload adjustable	Compression/Rebound and preload adjustable
HANDLEBAR	CE	L1E
Material:	Aluminium	Aluminium
Diameter:	22mm	22mm
Width:	760mm	760mm

REGULATORY	CE	L1E
Classification:	off-road	Onroad
License:	CE / EU	L1e
RIDE MODES	CE	L1E
Ride mode 1:	Tortoise mode: Energy conservation Mode. Limited to 25 km/h. 3.5h battery range	Tortoise mode: Energy conservation Mode.
Ride mode 2:	Rabbit mode: Enduro or active trail riding. 1-2h riding time	Rabbit mode: Sporty road use.
Ride mode 3:	Rocket mode: Boost mode, maximal torque and speed for 9 seconds. Riding time up to 1h	Rocket mode: Boost mode, maximal torque
Reverse mode:	Max. 9 km/h	Max. 9 km/h
SPEED AND RANGE	CE	L1E
Consumption		31 Wh/km
Range:	Trail/Enduro riding: 1-2 hours	83km
Top speed:	~80km/h* (* Flat surface, 75kg Rider, >80% State of Charge)	45km/h
WEIGHT	CE	L1E
Battery:	15 kg	15kg
Vehicle (w/o Battery)	68 kg	64kg
Max. permissible Mass	199 kg	199 kg
Seat	1 Person	1 Person
WHEELS AND TIRES	CE	L1E
Hubs:	Forged and CNC aluminium hubs with 20mm axle	Forged and CNC aluminium hubs with 20mm axle
Rim Front:	19x1.60, spoked	19x1.60, spoked
Rim Rear:	18x2.15, spoked	18x2.15, spoked
Tire front:	CST CM721 70/100-19 off-road	2.75-19 Kenda
Tire rear:	CST CM722 90/100-18 off-road	3.00-18 Kenda

MAINTENANCE PLAN

ENG

The inspection intervals must be observed, otherwise the warranty claim will expire.		After the first 1.000 km	All 1.000 km	All 3.000 km	Every year	Every 2 years
Display switch	Check	Check				
Electrical system	Check	Check			Check	
Battery	Check	Check			Check	
Wheel bearing	Check Replace	Check		Check		
Rim	Check Replace	Check	Check			
Brake system	Check Replace	Check		Replace		
Brake line	Check			Check		
Brake disc	Check Clean Replace	Check		Clean		
Brake fluid	Check Replace	Check		Check		Replace
Brake pads	Check Replace	Check	Replace	Replace		
Chain, rear sprocket	Check Clean Replace	Check Clean		Replace		
Suspension fork	Check Clean	Check		Check Clean		
Damper	Check Clean	Check		Check Clean		
Steering head bearing	Check	Check		Check		
Side stand	Check Clean Lubricate	Check Clean Lubricate	Check Clean Lubricate			
Tight fit of all accessible bolts and nuts	Check	Check		Check		

NOTE

Please carry out appropriate maintenance work on your vehicle. The warranty can only be granted if the vehicle has been serviced according to this schedule

NOTE

The vehicle must be constantly checked for rust. The owner is personally responsible for rust prevention

MAINTENANCE PLAN

ENG

After the first 1,000 km	1. Inspection
Date:	Date:
Km status:	Km status:
Dealer stamp / signature	Dealer stamp / signature

2. Inspection	3. Inspection
Date:	Date:
Km status:	Km status:
Dealer stamp / signature	Dealer stamp / signature

4. Inspection	5. Inspection
Date:	Date:
Km status:	Km status:
Dealer stamp / signature	Dealer stamp / signature

6. Inspection	7. Inspection
Date:	Date:
Km status:	Km status:
Dealer stamp / signature	Dealer stamp / signature

IMPORTANT: The warranty can only be granted if the vehicle has been serviced in accordance with the maintenance schedule and it has been entered here.

MAINTENANCE PLAN

8. Inspection Date: Km status: Dealer stamp / signature	9. Inspection Date: Km status: Dealer stamp / signature
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10. Inspection Date: Km status: Dealer stamp / signature	11. Inspection Date: Km status: Dealer stamp / signature
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12. Inspection Date: Km status: Dealer stamp / signature	13. Inspection Date: Km status: Dealer stamp / signature
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14. Inspection Date: Km status: Dealer stamp / signature	15. Inspection Date: Km status: Dealer stamp / signature
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IMPORTANT: The warranty can only be granted if the vehicle has been serviced in accordance with the maintenance schedule and it has been entered here.

DECLARATION OF CONFORMITY

EU DECLARATION OF CONFORMITY

ENG

The company,
KSR Group GmbH
Im Wirtschaftspark 15
A-3494 Gedersdorf

declares that this product complies with the following EU directives and standards.

Product designation:	Electric Motorcycle
Model/type designation:	Malaguti XAM
Model/type designation Battery:	Lithium-ion battery - DM3862007
Model/type designation Charger:	SPC-1000WWE-xxxxyy-z ("xx", "yy" and "z" are variable, see model list for details)

2006/42/EG
2014/30/EU
2014/35/EG

Machinery Directive
Electromagnetic compatibility
Low Voltage Directive

Individual references:

EN ISO 12100:2010
EN ISO 13849-1:2015
EN 16029:2012
EN 60204-1:2018

EN 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A2:2021
EN 61000-6-2:2019
EN 61000-6-4:2019

The sole responsibility for issuing this declaration of conformity lies with KSR Group GmbH, both as the manufacturer and as the authorised document holder.

Gedersdorf, 20.12.2022

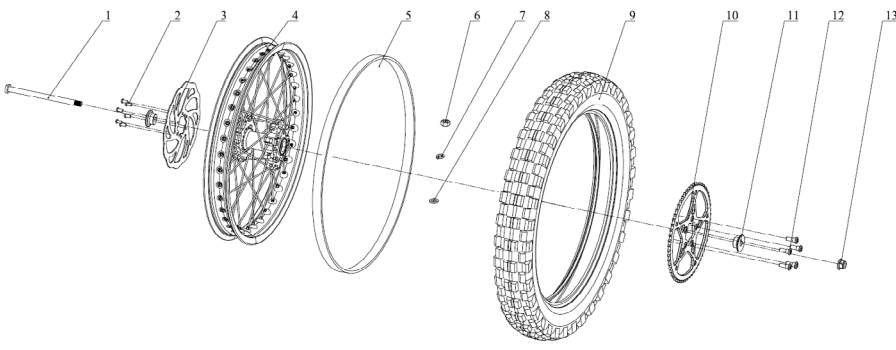


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Austria
www.ksr-group.com

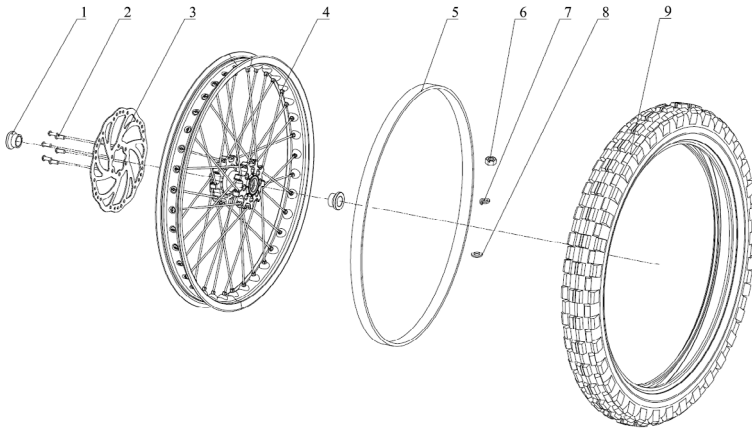
COO Helmut Groll

SPARE PARTS LIST

ENG

Rear wheel assy			
			
No.	Plant Code	Description	Quantity
1	319003014001	Rear Axle	1
2	401016001001	Bolt	6
3	309007010001	Brake Disc	1
4	307039002001	Rear Wheel assy	1
5	307009041001	Tape	1
6	404001004005	Nut	1
7	405003011007	Spring washer	1
8	405006047005	Washer	1
9	307010101001	Rear wheel anti-skid block	1
10	307007277001	Tire & Inner tube (include tape)	1
11	311027004001	Driven Sprocket	1
12	307042001001	Rear rim side sleeve	2
13	403030001001	Bolt	5
14	404005009001	Nut	1

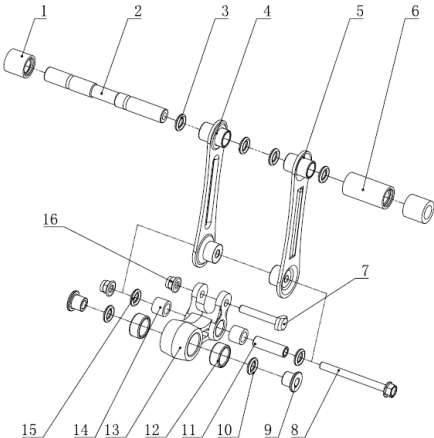
Front wheel assy

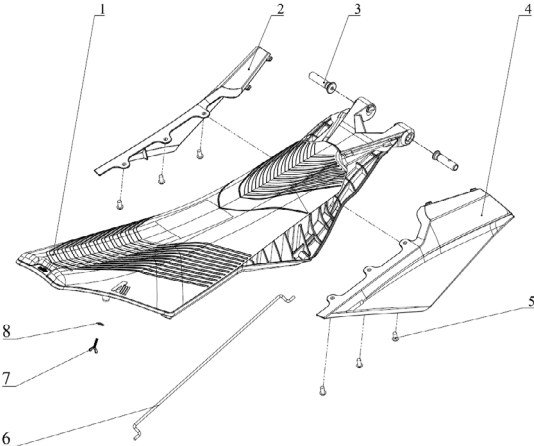


No.	Plant Code	Description	Quantity
1	307041001001	Front wheel side sleeve	2
2	401016001001	Bolt	6
3	309007010001	Brake Disc	1
4	307038002001	Front Wheel assy	1
5	307009041001	Tape	1
5	404001004005	Nut	1
6	405003011007	spring washer	1
7	405006047005	Washer	1
8	307010001001	Front wheel anti-skid block	1
9	307007278001	Tire & Inner tube (include tape)	1

SPARE PARTS LIST

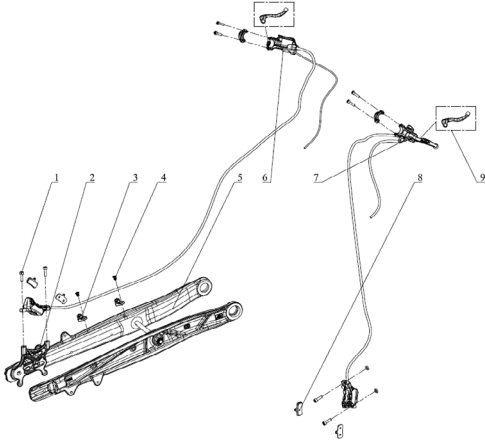
ENG

Linkage			
			
No.	Plant Code	Description	Quantity
1	305056001001	rocker arm outer Nylon sleeve	2
2	603027001001	liner	1
3	319075004001	O-seal ring	4
4	305052002002	rocker arm assy L	1
5	305057001002	rocker arm assy R	1
6	305055001001	Middle Nylon sleeve	1
7	401012001001	T bolt	1
8	401010004001	Bolt	1
9	603029002002	liner	2
10	319075002001	O seal ring	2
11	603028001001	Middle liner	1
12	409009002001	Bearing	2
13	306008004002	Linkage	1
14	409009001001	Bearing	2
15	319075003001	O seal ring	2
16	404030002001	Nut	2

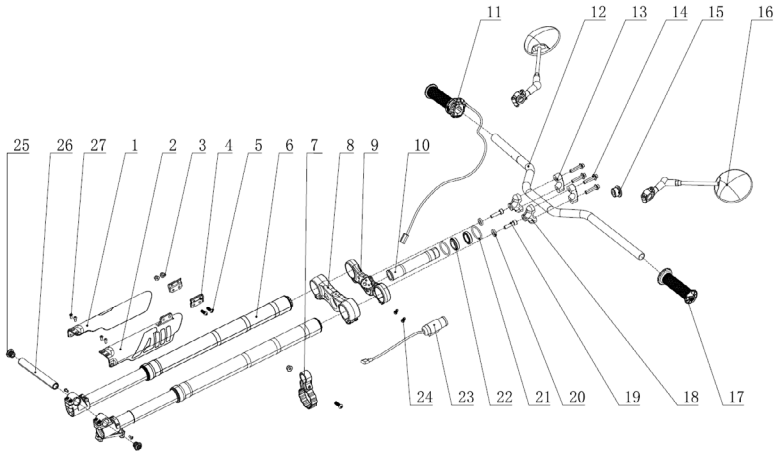
Seat			
			
No.	Plant Code	Description	Quantity
1	313020002001	Seat assy	1
2	304114002001	Left middle side cover	1
3	602003052003	Fix pin	2
4	304115002001	Right middle side cover	1
5	403004036001	Screw	6
6	303237001001	Seat stand bar	1
7	401015001001	Buttery bolt	1
8	405006063001	Washer	1

SPARE PARTS LIST

ENG

Brake assy			
			
No.	Plant Code	Description	Quantity
1	401017001001	Bolt	2
2	308057001001	Rear brake bracket	1
3	318001002002	Clip	2
4	403001009001	Screw	2
5	306037001001	Swing arm	2
6	308058006001	Rear brake Assy	1
7	308059006001	Front brake Assy	1
8	308060002001	Brake pad	4
9	310005012001	Brake lever	2

Front Fork

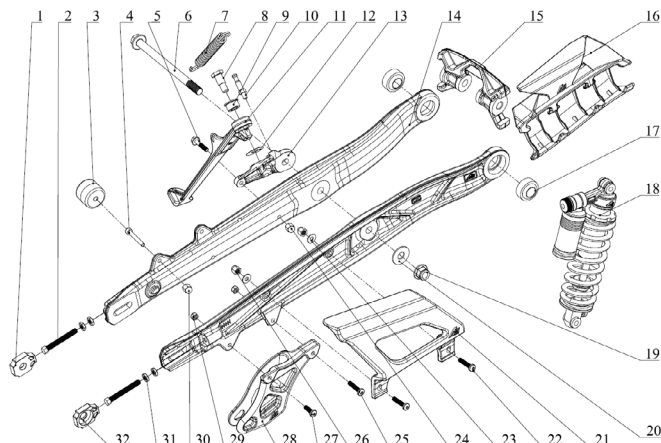


No.	Plant Code	Description	Quantity
1	304120002001	Right cover of front fork	1
2	304119002001	Left cover of front fork	1
3	404030003001	Nut	3
4	603001115002	Pipe support	2
5	403004037001	Screw	3
6	305053003001	Front fork	1
7	318100001001	Pipe support	1
8	310022136001	Bottom triple clamp	1
9	310021034001	Top triple clamp	1
10	608002002005	Steering stem	1
11	315037059001	Electronic throttle	1
12	310001149001	Handle bar	1
13	310133007001	Handle bar holder upper	2
14	401006009001	Bolt	4
15	319078001001	Plug, Steering stem	1
16	310035008001	Rear mirror	1
17	310057147001	Left grip	1
18	310134007001	Handle bar holder LOWER	2
19	401006007001	Bolt	2
20	310143002001	Bush	2
21	319034008002	O seal ring	2
22	409011001001	Bearing	2
23	318102001001	Main Lock	1
24	403001010001	Screw	2
25	319079002001	Front axle screw plug	2
26	307027006001	Front axle	1
27	403004039001	Screw	6

SPARE PARTS LIST

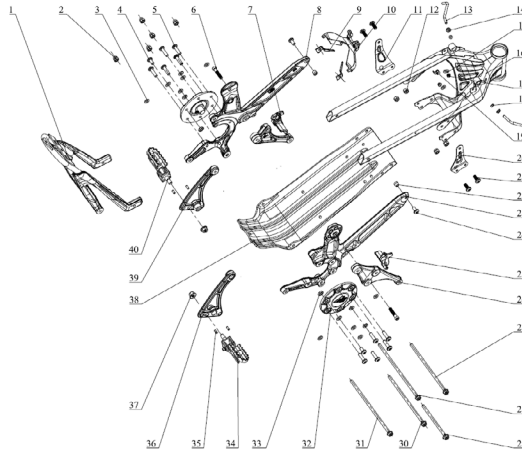
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Rear swing arm



No.	Plant Code	Description	Quantity
1	311100001001	Left chain adjuster	1
2	401003017001	Bolt	2
3	303115004001	Side stand limit seat	1
4	401006010001	Bolt	1
5	401009005001	Bolt	1
6	401009004001	Bolt	1
7	303239001001	Double tension spring	1
8	403029004001	Bolt	1
9	319001303001	Side stand bushing	1
10	608003019002	Tension spring retaining pin	1
11	303012262001	Side stand	1
12	405006064001	Washer	1
13	303238001001	Side stand fixed seat	1
14	306037001001	Swing arm	2
15	603001165001	Swing arm reinforcement	1
16	304034021001	Rear fork cover	1
17	409010001001	Bearing	2
18	305054002001	Rear shock absorber assy	1
19	404005009001	Nut	1
20	319077002001	Washer	1
21	304062040001	Chain cover	1
22	405006063001	Washer	2
23	404028003001	Cover Nut	1
24	403004041001	Screw	1
25	404028002001	Cover Nut	2
26	403004040001	Screw	1
27	301062002001	Chain guide	1
28	404027001001	Nut	2
29	404028003001	Cover Nut	1
30	404002008001	Nut	4
31	311101001001	Right chain adjuster	1

Frame

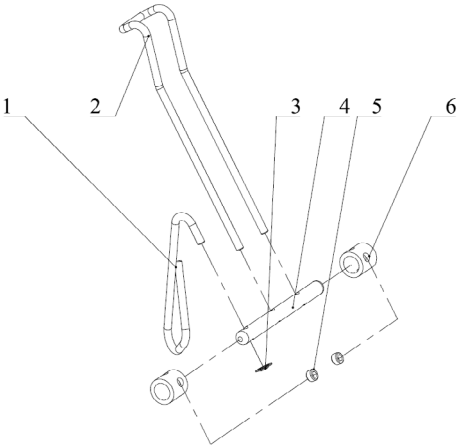


No.	Plant Code	Description	Quantity
1	606023001001	Sub-frame	1
2	404028001001	Cover Nut	5
3	319077001001	Washer	14
4	403029002001	Screw	2
5	403029001001	Screw	10
6	401006004001	Bolt	2
7	603001113001	Left battery holder	1
8	601001479001	Left motor holder	1
9	609094001002	Rubber fixing plate	2
10	319076001001	Rubber buffer	1
11	601001507005	Frame reinforcement plate-left	1
12	404029001001	Nut	4
13	601001420003	Front side fixing bracket	2
14	404025001001	Nut	2
15	405010002001	Washer	2
16	303001457001	Frame	1
17	404030003001	Nut	2
18	319016031001	Rubber washer	2
19	318001003001	Rear brake oil pipe buckle _ black	1
20	601001507006	Frame reinforcement plate-right	1
21	403029003001	Screw	4
22	404026001001	Tapered Nut	2
23	601001480001	Right motor holder	1
24	403029005001	Screw	2
25	603001114001	Right battery holder	1
26	603001112001	Shock absorber fix holder	2
27	401010001001	Bolt	1
28	401010002001	Bolt	1
29	401010003001	Bolt	1
30	401010001001	Bolt	1
31	401010002001	Bolt	1

SPARE PARTS LIST

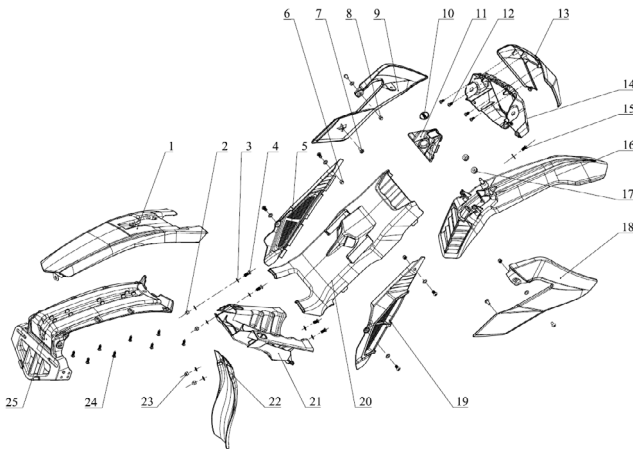
32	601001478001	Rear swing arm fix holder	2
33	404002008001	Nut	2
34	606009010001	Footrest assy-Right	1
35	407008005001	Pin	4
36	606010006002	Footrest bracket right	1
37	404005008001	Nut	2
38	609088002005	Motor guard	1
39	606010005002	Footrest bracket left	1
40	606009011001	Footrest assy-left	1

Battery pressing mechanism



No.	Plant Code	Description	Quantity
1	319073001001	Lock torsional spring	1
2	319072001001	Battery fixing torsion spring	1
3	410001002001	Spring card (bearing clamp)	1
4	609092001001	Torsional spring shaft	1
5	403028001001	Screw	2
6	609091001001	Torsional spring bushing	2

Plastic Body

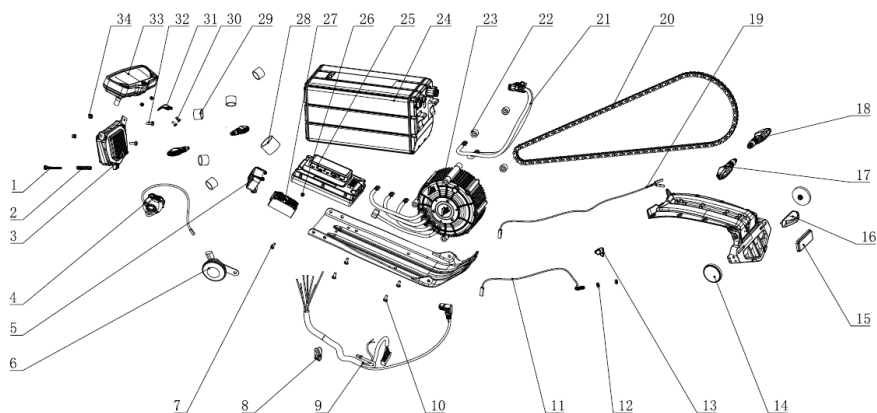


No.	Plant Code	Description	Quantity
1	304009021001	Rear fender	1
2	404028002001	Screw	2
3	405006063001	Washer	16
4	403004038001	Screw	2
5	304112001001	Left cover of controller,black	1
6	404028002001	Cover Nut	2
7	403005122001	Screw	2
8	404028003001	Cover Nut	2
9	304002023001	Front & left cover, white	1
10	318103002001	Switch button cover	1
11	304118001001	Switch button upper cover	1
12	403015006001	Screw	4
13	304014011001	Head light cover	1
14	304121002001	Head light mounting plate	1
15	403004036001	Screw	10
16	304015024001	Front fender, white	1
17	301056004001	Front & right cover, white	1
18	304113001001	Right cover of controller,black	1
19	304116001001	Battery cover,black	1
20	304117001001	Storage box,black	1
21	304018015001	Rear fender,black	1
22	404028002001	Cover Nut	2
23	403015006001	Screw	8
24	304122001001	License plate mounting plate	1

SPARE PARTS LIST

ENG

Electrical System



No.	Plant Code	Description	Quantity
1	401004002001	Bolt	1
2	303178003001	Spring	1
3	316013088001	Head light	1
4	315201001001	Multi function switch	1
5	315202001001	Driver box	1
6	316009008001	Horn	1
7	401008002001	Screw	1
8	609099001001	Wire clip	1
9	315134004001	Wire harness assy	1
10	401008001001	Bolt	4
11	315203001001	Side stand switch	1
12	404032001001	Nut	2
13	315204001001	Speed measuring sensor	1
14	318006007001	Side recovery reflector	2
15	318006008001	Rear recovery reflector	1
16	316020049001	Rear light	1
17	316052001001	Left turning light	2
18	316053001001	Right turning light	2
19	315007066001	Transfer wire connection	1
20	311011278001	Chain	1
21	315137001001	DC output line	1
22	609093001001	Motor spacer	3
23	315031040001	Motor	1
24	315006027001	Battery	1
25	315021383001	Controller	1
26	404033001001	Nylon Locknut	3
27	305027007001	DC converter	1
28	318027005001	bandage 58	1
29	318027004001	bandage 48	3
30	401013003001	Screw	2
31	601019007002	Display bracket	1
32	401013002001	Screw	2
33	317001702001	Display	1
34	404033002001	Nylon Locknut	2

Handwriting practice area with 20 sets of horizontal dashed lines.



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