



Malaguti

MISSION 125
MISSION 200

INSTRUCTION MANUAL
ENGLISH

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WELCOME TO MALAGUTI

Thank you for choosing this vehicle. This model is safely designed, durably manufactured and excellent for daily road 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 regarding 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:

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

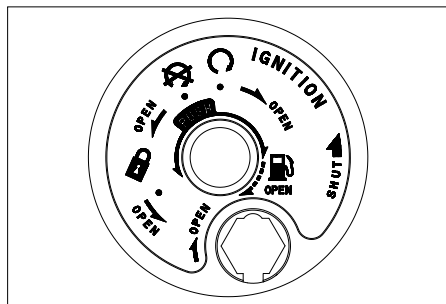
- The owner's manual should always be carried with the vehicle so that it is available for entries during maintenance by your authorised dealer. When selling the vehicle, please hand over the operating instructions with the vehicle to the new owner.
- The Owner's Manual contains all important information 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.

IGNITION LOCK



The ignition lock controls the ignition and lighting system and is used to lock the steering and open the seat. The positions are described below.

Ignition switched on -

All electrical circuits are supplied, the engine can be started and the key cannot be removed.


Ignition switched off -

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


Steering lock -

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

Locking the handlebars

- Turn the handlebars all the way to the left.
- Insert the key into the ignition lock.
- While applying pressure to the key, turn it anticlockwise into the  Position. If the lock does not engage immediately, move the handlebar back and forth slightly.
- Remove the key.

Unlock handlebars

- Insert the key into the ignition lock.
- Turn the key clockwise to the  Position. If the lock does not release immediately, move the handlebar back and forth slightly.

Tamper protection

When the key is removed, you can activate the tamper

protection for the ignition lock by pressing the SHUT button. This closes the keyhole with a metal flap. To open the flap, insert the hexagonal key on the head of the ignition key into the appropriate shape and turn it clockwise.

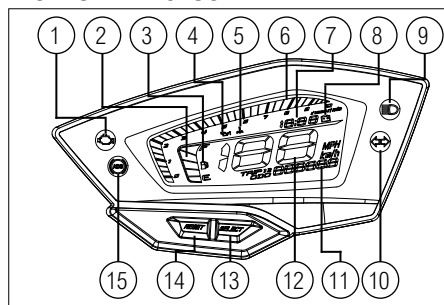
Opening the seat

Insert the key into the ignition lock and turn it either anticlockwise or clockwise without pressure and the seat will unlock.

Open fuel tank

Insert the key into the ignition lock and turn it clockwise with pressure and the tank unlocks.

INSTRUMENT CLUSTER



1. Engine control light

When you switch on the ignition, the lamp lights up. It disappears after you start the engine. If your vehicle detects a fault in the system, the warning light comes on. Contact a dealer.

2. Fuel gauge

The fuel gauge shows how much fuel is left in the fuel tank. When the tank is full, the indicator is near "F" (Full). When the tank is emptying, the indicator moves towards "E" (Empty).

3. Fuel warning light

This light indicates that the fuel reserve is active. If the fuel symbol flashes, please refuel as soon as possible.

4. Oil pressure warning light

This indicator lights up when the oil pressure is

INSTRUMENTS & OPERATION

abnormal. In this case, please stop the vehicle immediately to avoid damage to the engine..

5. Coolant temperature warning light

This indicator lights up when the coolant temperature is too high. Stop the vehicle and allow the engine to cool down. Check the cooling system including coolant and cooling fan.

6. Rev counter

The rev counter shows the current number of the engine.

7. Time display

The current time is displayed here.

- Press the RESET button for 3 seconds to enter the time setting mode (12-hour system).
- The hour position flashes.
- Briefly press the RESET button for hour +1.
- Briefly press the SELECT button to switch to the minute position.
- Briefly press the RESET button for minute +1.
- Briefly press the SELECT button to exit the time setting mode.

8. Battery voltage

Briefly press the RESET button to switch between the time and the battery voltage. If the battery symbol lights up, the current battery voltage is displayed.

9. High beam indicator light

Illuminates when the high beam is switched on.

10. Indicator lamp

This indicator light flashes when the left or right indicator lights are activated.

11. Odometer

Either the total odometer reading ODO or the trip odometer reading TRIP 1 or TRIP 2 is displayed here. Switching is possible by briefly pressing the SELECT button. If the trip odometer reading TRIP 1 or TRIP 2 is displayed, it can be reset to zero by pressing the RESET button for 3 seconds.

12. Speed display

The current driving speed is displayed here.

13. Select button

This key can be used to select various functions on the display.

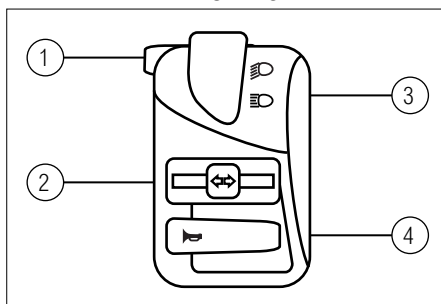
14. RESET button

This button can be used to make various settings on the display.

15. ABS indicator light

When you switch on the ignition, the ABS control lamp lights up. As soon as you start driving and reach a driving speed of approx. 5 km/h, the ABS control light goes out. If the lamp lights up while driving, the ABS is not working. In this case, contact your dealer.

LEFT HANDLEBAR SWITCH



1. Headlight flasher

Press the button to activate the headlight flasher.

2. 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.

3. High beam and low beam

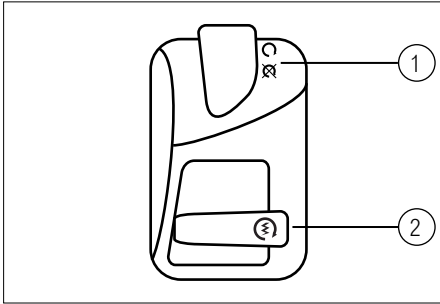
By changing the switch position, you can switch between high beam and low beam.

4. Horn

Press the button to activate the horn.

INSTRUMENTS & OPERATION

RIGHT HANDLEBAR SWITCH



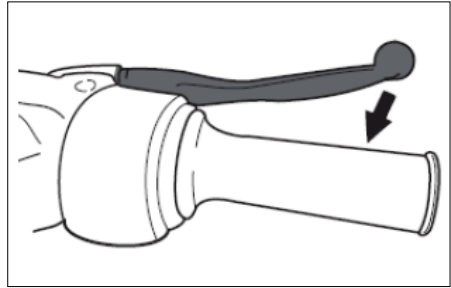
1. **Emergency stop switch (motor)**

In the switch position 1 the engine can be started or it is already running. By changing the switch position to 2 a running engine goes out and the engine cannot be started.

2. **Electric starter**

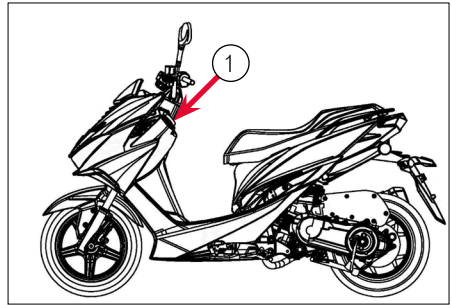
To start the vehicle, operate the starter motor .

HANDBRAKE LEVER RIGHT



The brake lever for the front brake is located on the handlebar on the right. To brake, pull the lever towards the handlebar.

FUEL FILLER CAP

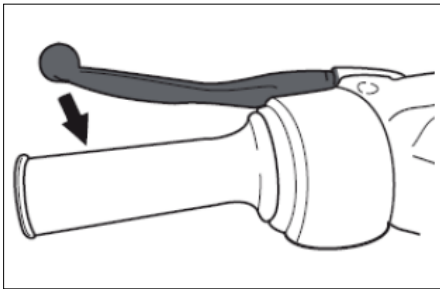


The fuel filler cap (1) is located under the handlebar. Open the fuel filler cap with the ignition key.

Open fuel filler cap

- Insert the key into the ignition lock and turn it clockwise with pressure and the tank unlocks. The fuel filler cap can be opened.

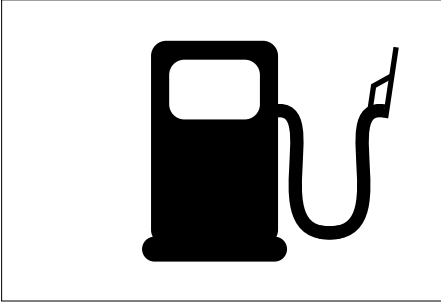
HANDBRAKE LEVER LEFT



The brake lever for the rear brake is located on the handlebar on the left. To brake, pull the lever towards the handlebar.

INSTRUMENTS & OPERATION

FUEL



Make sure that there is enough fuel in the tank. Fill the petrol tank to the lower edge of the filler neck at the most.

Unleaded petrol RON/ROZ min. 95



!! ATTENTION !!

BIOETHANOL E15-E100 IS NOT SUITABLE FOR

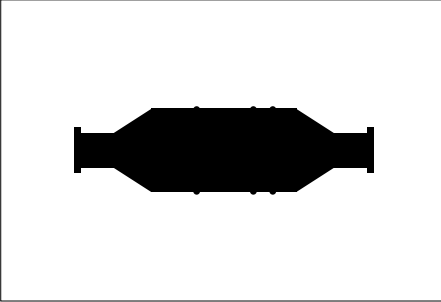
WARNING

- Do not overfill the petrol tank, otherwise petrol may leak out.
- Fuel must never run over hot vehicle parts such as the engine or exhaust. This could ignite!

NOTE

Wipe away spilled fuel with a suitable cloth, as painted surfaces and plastic parts may be damaged.

CATALYST



This model is equipped with a catalytic converter in the exhaust system.

WARNING

The exhaust system is very hot during and immediately after operation of the vehicle. The exhaust system must cool down before maintenance work is carried out.

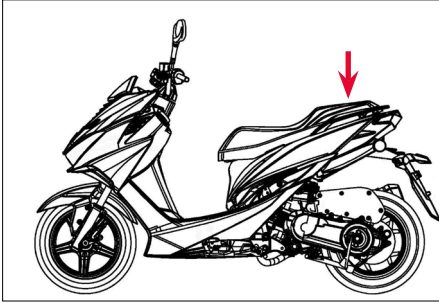
NOTE

Follow the safety instructions below to avoid fire and damage to property.

- Only use unleaded petrol.
- Leaded petrol will cause irreparable damage to the catalytic converter.
- Do not park the vehicle directly on dry grass, for example.
- Do not let the engine idle for too long.

INSTRUMENTS & OPERATION

SEAT



Open the seat

- Place the vehicle on the main stand.
- Insert the key into the ignition lock and turn the key anticlockwise or clockwise without pushing it in.
- The lock unlocks automatically and the bench seat pops up.
- Fold up the seat bench.

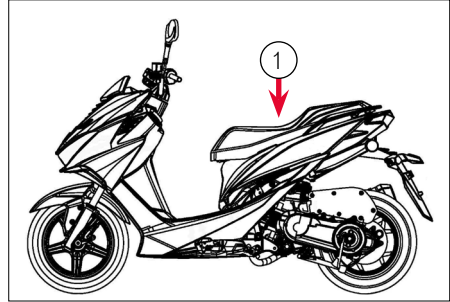
Close the seat

Fold down the seat and press it shut with the ball of your hand directly above the lock.

NOTE

If you close or slam the bench seat with force, parts may be damaged. Make sure that the seat is properly closed before driving or when you park the vehicle.

STORAGE COMPARTMENT

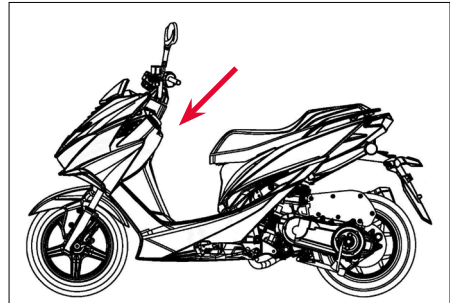


The storage compartment (1) is located under the seat.

NOTE

Do not exceed the maximum load of 2.5 kg. The storage compartment heats up due to the sun and the engine. The inside of the storage compartment can get wet during vehicle cleaning. Therefore, do not store any sensitive objects in it. Do not store any valuables in the storage compartment.

HELMET AND LUGGAGE HOOKS

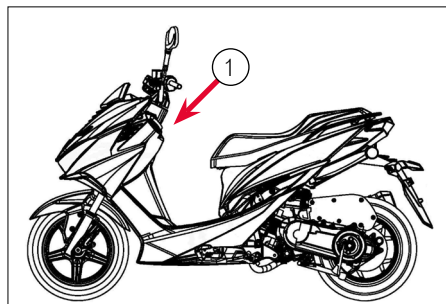


NOTE

Do not exceed the maximum load of 1 kg.

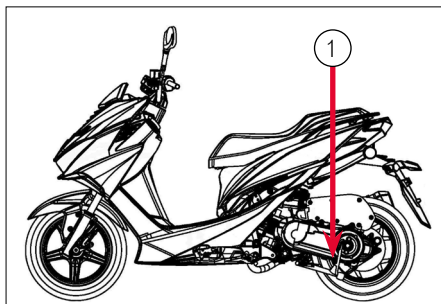
INSTRUMENTS & OPERATION

USB CHARGING PORT



The USB charging port (1) is located under the handlebar. Open the fuel filler cap with the ignition key.

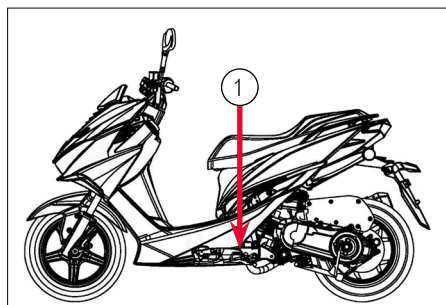
MAIN STAND



The main stand (1) is located under the vehicle.

To place the vehicle on the main stand, step on the operating lever on the left side of the vehicle with your foot, then pull the vehicle onto the stand by the grab handle and handlebar.

SEITENSTÄNDER



The side stand (1) is located on the left side of the vehicle. Fold out the side stand with your foot and park the vehicle.

Make sure that your vehicle is well and stably parked to avoid tipping over.

NOTE

When the side stand is folded out, the engine does not start. A running engine stops when the side stand is folded out. Do not use the side stand for parking on a slope or on soft or uneven ground.

START ENGINE

WARNING

- Before you start driving, first familiarise yourself with all the controls and functions. Contact your authorised dealer with any questions.
- Do not start the engine in closed rooms. The exhaust gases are toxic and inhalation can lead to unconsciousness or death within a very short time.

Starting with the electric starter

- Turn the ignition key to the ON position.
- Pull the right brake lever, otherwise the vehicle will not start.
- Operate the starter for a few seconds.

NOTE

- Please do not hold the starter for longer than 5 seconds, otherwise it will be damaged.
- If the engine does not start immediately when the starter is pressed, wait a few seconds before trying to start again. Each starting process should be as short as possible to preserve the battery and the starter.

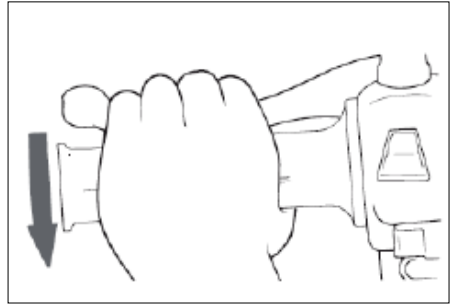
Starting with the Kickstarter (if available)

- Turn the ignition key to the ON position.
- Pull the right brake lever, otherwise the vehicle will not start.
- Push the kick starter lever down with your foot until you feel a noticeable resistance.
- Then push the kick starter down evenly and forcefully.

NOTE

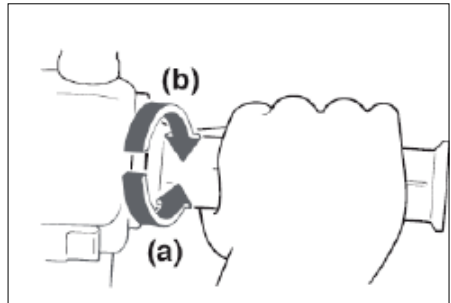
The vehicle must be started with the kick starter at regular intervals (recommendation: weekly), otherwise the grease of the kick starter gearing can gum up and the kick starter can no longer be operated.

DRIVE OFF



- Pull the brake lever with your left hand and hold the luggage carrier with your right hand. Then push the vehicle off the main stand.
- Sit on the seat and adjust the rear-view mirrors.
- Set the indicator.
- Pay attention to the traffic and slowly turn the throttle grip (right) to drive off.
- Switch off the indicator.

ACCELERATE & DECELERATE

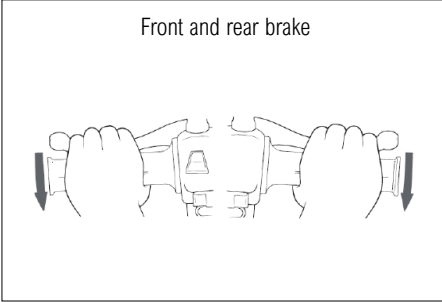


The speed is also controlled with the throttle grip.

- To accelerate, turn the handle in direction (a).
- To decelerate, turn the handle in direction (b).

DRIVING OPERATION

BRAKES

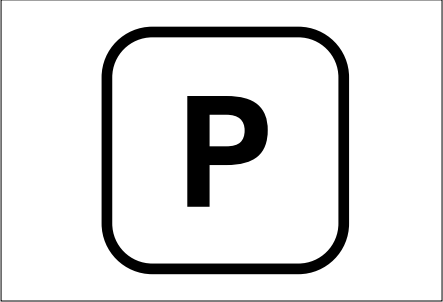


- Turn the throttle grip fully in direction (b).
- Pull the front and rear brakes at the same time, increase the brake pressure evenly.

WARNING

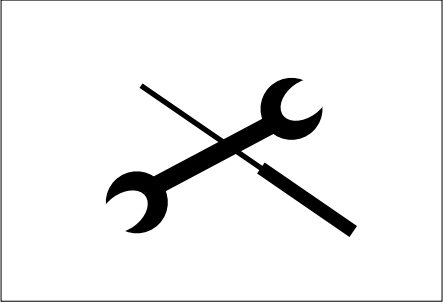
- Avoid abrupt or sharp braking. You could skid.
- Level crossings, tram tracks, steel plates in construction areas and manhole covers are particularly dangerous when wet. Reduce your speed and cross these hazards with extreme caution.
- Remember that braking is more difficult on wet roads.
- When going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

PARKING



To park, switch off the engine using the ignition lock, place the vehicle on the main stand or side stand. Remove the key.

FIRST MAINTENANCE



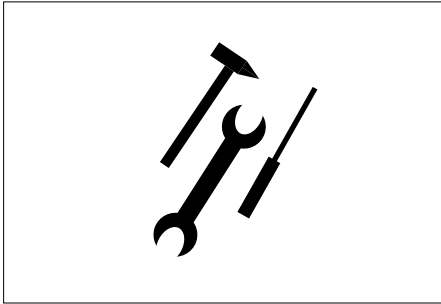
Maintenance after the first 1,000 km is the most important. By then, all parts have been run in. Therefore, all parts and components must be readjusted and all fasteners tightened during this maintenance. Careful maintenance after the first 1,000 km ensures the best performance of your vehicle and prolongs its life.

NOTE

Maintenance at 1,000 km must be carried out according to the contents given in the section "Service and maintenance".

MAINTENANCE & SERVICING

BORDWERKZEUG



The maintenance information and the on-board tools supplied help to carry out preventive maintenance and minor repairs. However, certain maintenance requires special tools.

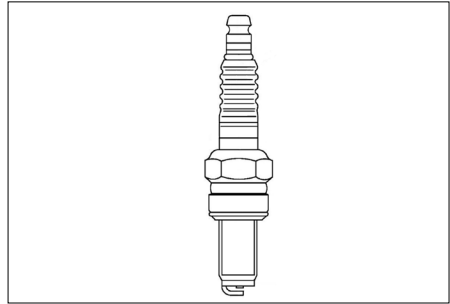
HINWEIS

- The safety and condition of the vehicle depend on proper maintenance, regular inspections and the necessary adjustment and lubrication of various components.
- On the following pages you will find the relevant instructions.
- Maintenance, replacement or repair of the exhaust system may only be carried out by an authorised specialist dealer in accordance with the respective legal requirements.

WARNUNG

- Leave maintenance work that affects the warranty claim or with which you are not familiar to an authorised specialist dealer.
- Modifications to the vehicle that have not been approved by the manufacturer can lead to a change in performance, non-permitted exhaust emission values and unsafe driving behaviour.
- If such modifications are carried out by the customer without authorisation from the manufacturer, the warranty claim will be invalidated.

SPARK PLUG



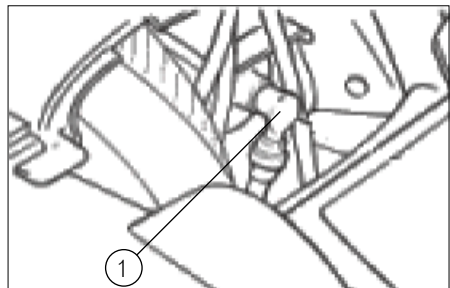
SPARK PLUGS MISSION 125/200

Manufacturer:	NGK
Model:	PMR9B
Electrode gap	0.6 - 0.7 mm
Tightening torque	12 Nm

The spark plug is an important part of the engine and is easy to check. Heat and deposits wear out the spark plug, so it must be checked according to the maintenance table. The spark plug also gives an indication of the condition of the engine. The spark plug is located on the underside of the vehicle.

Check spark plug

Remove the spark plug connector (1).

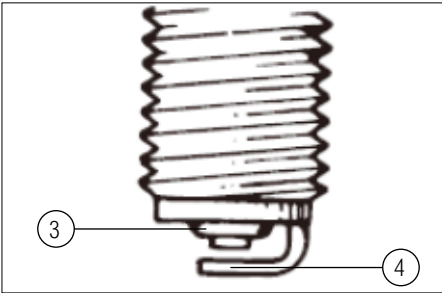


Unscrew the spark plug with the spark plug spanner (2) of the on-board tool.

MAINTENANCE & SERVICING



Check that the insulator (3) around the centre electrode of the spark plug is fawn. This is the ideal colour when the vehicle is properly maintained and operated.



NOTE

If the spark plug shows a different colour, this could indicate a malfunction of the engine. Do not diagnose such problems yourself. Please contact your specialist dealer.

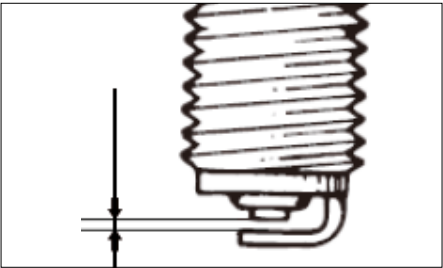
Check the spark plug for burning of the electrode (4) and excessive charring or other deposits. If necessary, replace the spark plug.

WARNING

Please note that no other spark plug model is permitted. The use of a different spark plug model can lead to engine damage in a short time.

Before reinserting the spark plug, check the electrode gap and clean the spark plug with a dry cloth.

Insert the spark plug in reverse order.



WARNING

Please observe the maximum tightening torque when inserting the spark plug.

If you have no way of checking this, leave this task to the specialist dealer.

MOTOR OIL



ENGINE OIL MISSION 125/200	
Valence (~20°C)	SAE 10W/40

WARNING

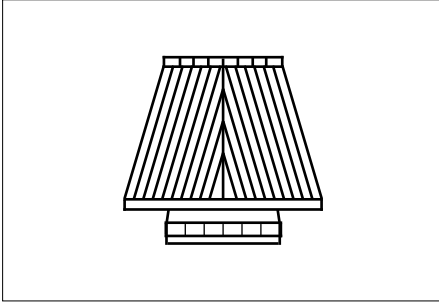
The level of the engine oil must be checked each time the tank is filled.

- Place the vehicle on the main stand, remove the dipstick (1) and wipe it.
- Insert the dipstick (1), do not screw it in, take it out again and check that the oil level is between the upper (2) and lower (3) marks.

NOTE

Make sure that the engine oil dipstick is properly inserted before driving off.

AIR FILTER



The air filter must be changed according to the maintenance table. Change the air filter more frequently if you drive in unusually dusty or humid environments.

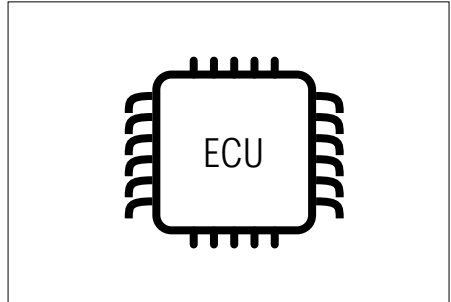
Replace air filter

- Unscrew the screws of the air filter housing (1).
- Pull out the air filter.
- Replace it with a replacement filter from the manufacturer.
- Slightly grease the air filter housing and the contact surface for an airtight seal.
- Install the air filter.
- Screw on the air filter housing.

NOTE

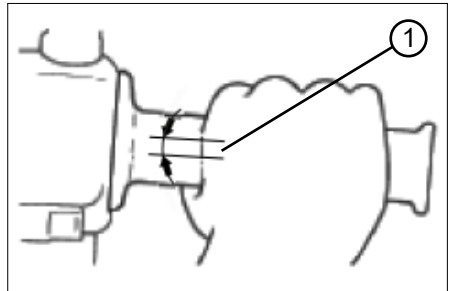
- Make sure that the air filter is correctly seated in the air filter housing and that it is correctly closed.
- The engine must never be operated without an air filter. Unfiltered air can immediately cause engine damage.

ECU



The engine control unit "ECU" is an important part of the engine and must always be set correctly. Any manipulation can have a negative effect on engine running and result in engine damage. Leave maintenance and adjustment work to the specialist dealer.

THROTTLE CABLE CLEARANCE



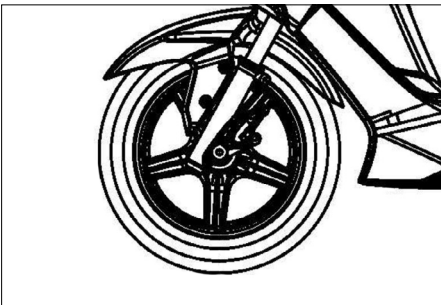
The throttle cable clearance (1) should be 2 - 6 mm.

NOTE

Regular checks of the throttle cable play and adjustment should be carried out by your dealer.

MAINTENANCE & SERVICING

TYRES



TYRE SPECIFICATION	
Tyre Pressure (Front & Rear)	2,0 bar
Tyre type	Tubeless
Front rim	MT 3.00 x 13
Rear rim	MT 3.50 x 13
Front tyre	120/70-13 - 53P
Rear tyre	130/70-13 - 63P

For best performance, longevity and safe operation of your vehicle, please note the following tyre information.

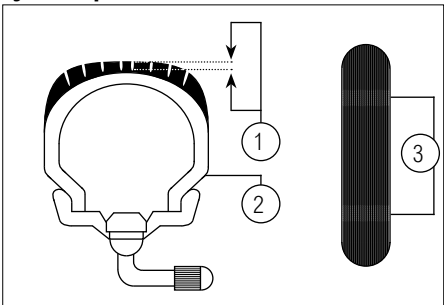
Tyre pressure

Tyre pressure should be checked before every journey and corrected if necessary. Check the tyre pressure at least every time you refuel.

WARNING

- Check tyre pressure when tyres are cold (before driving off). Adjust tyre pressure according to operating conditions.
- Do not overload the vehicle! The higher the load on the vehicle, the higher the pressure on the tyres, brakes and steering. This can lead to damage or accidents.
- The weight distribution on the vehicle is important for your safety and the performance of the vehicle. Tie down your load properly and load the heaviest loads centrally on the vehicle. This will keep you in control of the vehicle.

Tyre inspection



- Tread depth
- Sidewall
- 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.

HINWEIS

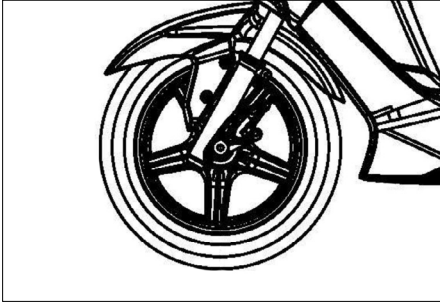
The tread depth may differ depending on the country. Observe the local regulations. The values given here are technical values and may differ from the legal values in your region.

WARNING

- Driving with worn tyres is illegal, reduces stability and can lead to loss of control of the vehicle.
- Have worn or damaged tyres replaced immediately by your specialist dealer.
- Work on tyres and wheels is the responsibility of your specialist dealer.

MAINTENANCE & SERVICING

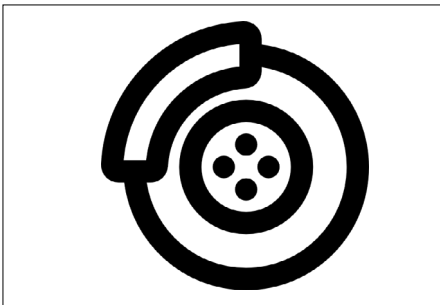
RIMS



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 clearance

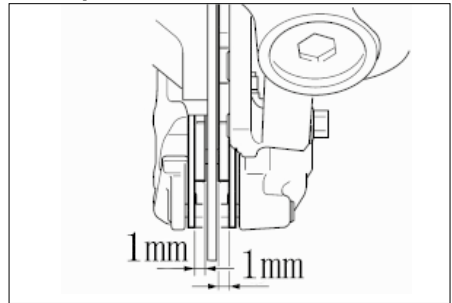
The brake levers should have a clearance of 10-20 mm measured at the end of the lever. If this is not the case, please contact your specialist dealer for an

inspection of the brake system.

WARNING

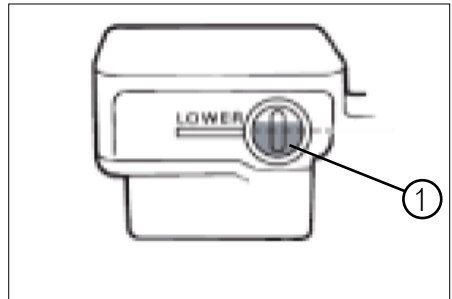
- A brake lever that feels soft or spongy when braking may indicate that there is air or water in the hydraulic system. If there is air or water in the hydraulic system, please have it bled or the brake fluid replaced by your dealer.
- Air or water in the hydraulic system reduces braking performance 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 pads have a notch that must always be visible. The wear of the pads depends on the driving style and the road surface. When 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



MAINTENANCE & SERVICING

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.

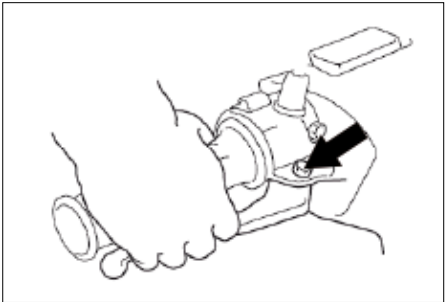
Have your specialist dealer check the brake fluid

according to the maintenance table and replace it if necessary.

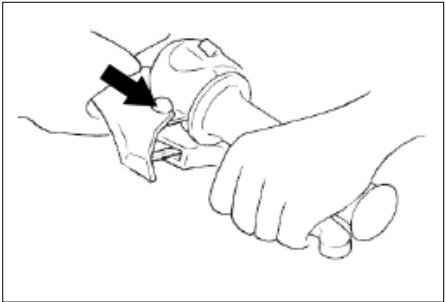
LUBRICATE BRAKE LEVER

The pivot points of the brake levers for front and rear brakes must be lubricated regularly.

Front brake lever



Rear brake lever



BOWDEN CABLES

- The operation and condition of the Bowden cables should be checked before each ride. The ends of the cables must be greased if necessary.
- A damaged or difficult to move cable should be checked or replaced by your dealer.

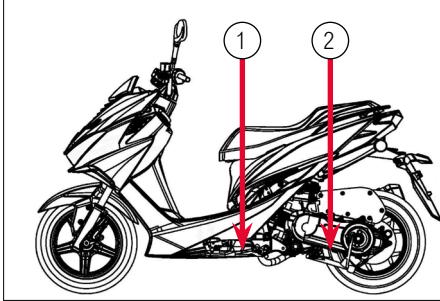
WARNING

- Damage to the sheathing can lead to rusting and sluggishness.
- Replace damaged Bowden cables immediately to avoid unsafe situations.

THROTTLE GRIP AND THROTTLE CABLE

Check the throttle grip before each ride. Service the throttle cable according to the maintenance table.

SIDE AND MAIN STAND

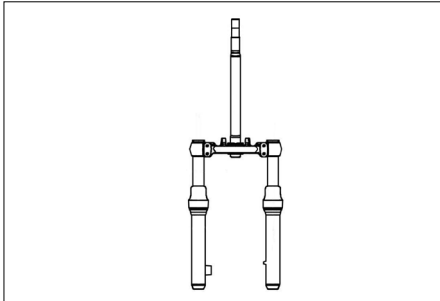


Check the side stand (1) and main stand (2) before each ride and lubricate the surfaces where metal meets metal regularly.

WARNING

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

TELESCOPIC SUSPENSION FORK



The condition of the telescopic suspension fork must be checked according to the maintenance table. Furthermore, it should be briefly checked 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.

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

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.

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 see play, please contact your dealer to check the steering.

WHEEL BEARING

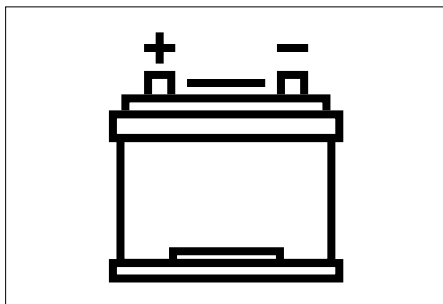
The wheel bearings of the front and rear wheel must be checked according to the maintenance table.

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.

MAINTENANCE & SERVICING

BATTERY



The battery (1) is located under the seat. This model is equipped with a sealed and maintenance-free battery. There is no need to refill battery acid or distilled water.

WARNING

- Do not remove the battery cell seal under any circumstances! This can be dangerous and will permanently damage the battery.
- Battery acid is toxic and dangerous! It contains sulphuric acid and can cause dangerous chemical burns.
- Avoid skin, eye and clothing contact and always protect your eyes when working near the battery.
- In case of contact, render FIRST AID immediately.
- In case of skin or eye contact with battery acid, rinse the affected areas with plenty of water.
- If battery acid is swallowed, drink large quantities of water.
- In both cases, seek medical attention as soon as possible.
- Batteries emit explosive hydrogen gas. Keep naked flames, cigarettes, etc. away from the battery and provide adequate ventilation when charging a battery indoors.
- KEEP BATTERIES AWAY FROM CHILDREN.

Charge battery

If you do not have a suitable charger, contact your dealer to have the exhausted battery charged. The battery discharges more quickly if you have fitted electrical accessories.

Store battery

- If the vehicle is not used for more than one month, remove the battery from the vehicle.

Fully charge the battery and store it in a cool, dry place.

- If the battery is stored for more than two months, check the charge level at least once a month and recharge the battery if necessary.
- Fully charge the battery before reinstalling it.
- After installation, make sure that the battery cables are connected correctly.

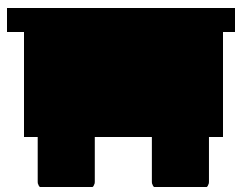
WARNING

If you are not familiar with how to handle the battery, contact a specialist dealer.

NOTE


Always keep the battery charged. Storing a depleted battery will permanently damage the battery.

FUSES




The fuses are located under the battery cover.

Change fuse

- Turn the ignition key to  and switch off all electrical consumers.
- Remove the blown fuse and insert a new fuse with the same ampere rating.

WARNING

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

- After changing the fuse, turn the ignition key to the  and switch on the electrical consumers to check.
- If the fuse blows again, please contact your specialist dealer and have the electrical system checked.

FAULT DETECTION

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


The fault detection table 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 tools, expertise and experience to service your vehicle properly.

FAULT IDENTIFICATION LIST

ERROR	CAUSE	MEASURE
Engine does not start when the start button is pressed	<ul style="list-style-type: none">• Battery discharged• Fuse blown• Starter relay defective• Starter motor defective• Emergency stop switch actuated	<ul style="list-style-type: none">• Charge battery• Change fuse• Replace starter relay• Replace starter motor• Move emergency stop switch to correct position
Engine revs but does not start or stalls	<ul style="list-style-type: none">• Fuse blown• Wrong idle speed• Spark plug fouled• Fault in injection system• Cable damaged• Problem with plug contact• No fuel in tank• Fuel pump defective• Fuel filter dirty• Leak in fuel system	<ul style="list-style-type: none">• Change fuse• Check idle speed• Change spark plug• Check injection system• Check cables• Check plug contacts• Refuelling the vehicle• Check fuel pump• Replace fuel filter• Check fuel system
Poor engine performance	<ul style="list-style-type: none">• Air filter contaminated• Fuel filter dirty• Fault in fuel system• Fault in ignition system• Valve clearance too low	<ul style="list-style-type: none">• Replace air filter• Replace fuel filter• Check fuel system• Check ignition system• Adjust valve clearance
Increased oil consumption	<ul style="list-style-type: none">• Oil level too high• Cylinder/piston worn• Engine ventilation defective	<ul style="list-style-type: none">• Drain oil to maximum level• Replace parts• Check engine ventilation
Engine indicator light comes on	<ul style="list-style-type: none">• Fault in the electronics or injection system	<ul style="list-style-type: none">• Fault diagnosis by authorised specialist dealer

TECHNICAL SPECIFICATIONS

TECHNICAL DATA - MISSION 125

MOTOR	
Number of cylinders	1
Cylinder arrangement	S
Displacement	124 cm ³
Compression ratio	12,0 : 1
Power output	9,0 kW @ 9500 min ⁻¹
Torque	10,5 Nm @ 7750 min ⁻¹
Power-to-weight ratio	0,058 kW/kg
Top speed	95 km/h
Fuel consumption	3,9 L/100 km
CO2 emissions	91 g/km
Stationary noise	85 dB(A) @ 4750 U/min
Driving noise	74 dB(A)
Classification	EURO 5
MOTOR OIL	
Type	SAE 10W/40 SF
FUEL	
Type	Petrol min. RON/ROZ 95 (E5 / E10)
Quantity	7 litres
!! WARNING !!! !! BIOETHANOL FUEL E15-E100 IS NOT PERMITTED !!!	
AIR FILTER	
Type	Paper element
SPARK PLUG	
Manufacturer	NGK
Type	PMR9B
Electrode gap	0,6 ~ 0,7 mm
FRONT WHEEL	
Rim	MT 3.00 x 13
Tyre	120/70-13 - 53P
Air pressure	2,0 bar

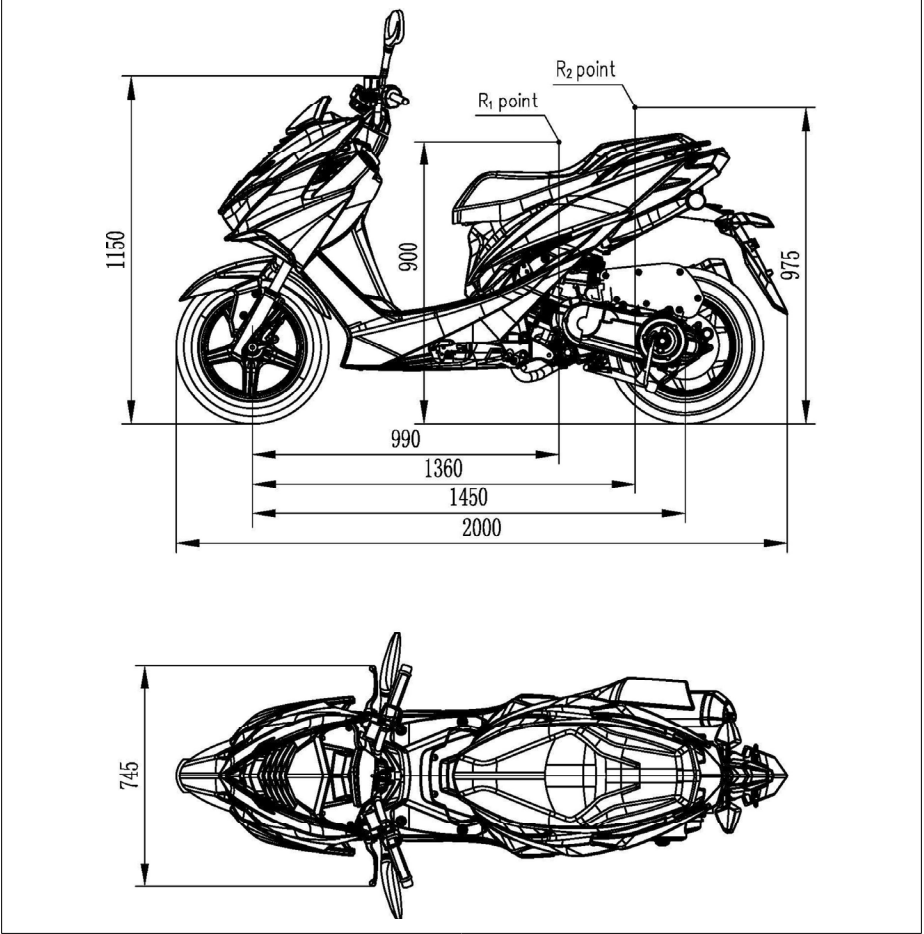
TECHNICAL SPECIFICATIONS

REAR WHEEL	
Rim	MT 3.50 x 13
Tyre	130/70-13 - 63P
Air pressure	2,0 bar
FRONT BRAKE SYSTEM	
Type	Hydraulic 2-piston brake caliper
Brake disc diameter	267 mm
Actuation	Brake lever
REAR BRAKE SYSTEM	
Type	Hydraulic 1-piston brake caliper
Brake drum diameter	220 mm
Actuation	Brake lever
BRAKE FLUID	
Type	DOT 4
SUSPENSION	
Front	Telescopic suspension fork
Rear	Shock absorber
BATTERY	
Voltage / Capacity	12V / 8Ah
FUSES	
Main fuse	20A
ABS unit (engine)	15A
ABS unit (ECU)	10A
Lighting	15A
Ignition (EFI)	15A
Dimensions	
Length	2000 mm
Width	745 mm
Height	1150 mm
Wheelbase	1450 mm
Weights	
Weight in running order	154 kg
Maximum permissible total weight	309 kg
Maximum permissible front axle load	118 kg

TECHNICAL SPECIFICATIONS


Maximum permissible rear axle load	191 kg
Maximum load (incl. driver / co-driver)	155 kg

ILLUSTRATION



TECHNICAL SPECIFICATIONS

TECHNICAL DATA - MISSION 200

ENGINE	
Number of cylinders	1
Cylinder arrangement	S
Displacement	181 cm ³
Compression ratio	11,6 : 1
Power output	12,9 kW @ 8000 min ⁻¹
Torque	15,5 Nm @ 7750 min ⁻¹
Power-to-weight ratio	0,084 kW/kg
Top speed	106 km/h
Fuel consumption	3,3 L/100 km
CO2 emissions	77 g/km
Stationary noise	87 dB(A) @ 4000 U/min
Driving noise	76 dB(A)
Classification	EURO 5
ENGINE OIL	
Type	SAE 10W/40 SF
FUEL	
Type	Petrol min. RON/ROZ 95 (E5 / E10)
Quantity	7 litres
!! WARNING !!! !! BIOETHANOL FUEL E15-E100 IS NOT PERMITTED !!!	
AIR FILTER	
Type	Paper element
SPARK PLUG	
Manufacturer	NGK
Type	PMR9B
Electrode gap	0,6 ~ 0,7 mm
FRONT WHEEL	
Rim	MT 3.00 x 13
Tyre	120/70-13 - 53P
Air pressure	2,0 bar

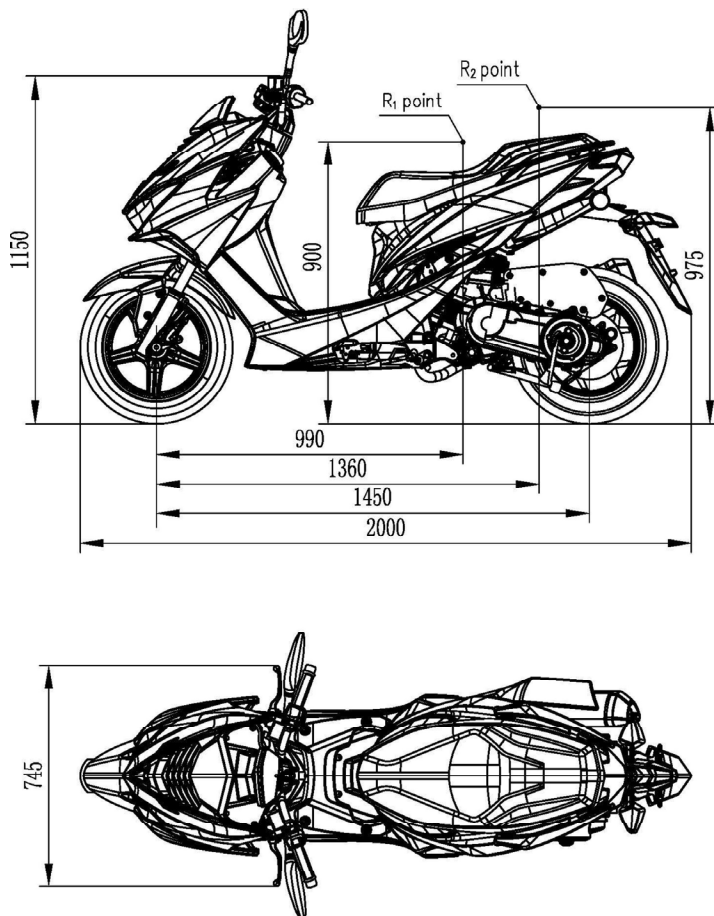
TECHNICAL SPECIFICATIONS

REAR WHEEL	
Rim	MT 3.50 x 13
Tyre	130/70-13 - 63P
Air pressure	2,0 bar
FRONT BRAKE SYSTEM	
Type	Hydraulic 2-piston brake caliper
Brake disc diameter	267 mm
Actuation	Brake lever
REAR BRAKE SYSTEM	
Type	Hydraulic 1-piston brake caliper
Brake drum diameter	220 mm
Actuation	Brake lever
BRAKE FLUID	
Type	DOT 4
SUSPENSION	
Front	Telescopic suspension fork
Rear	Shock absorber
BATTERY	
Voltage / Capacity	12V / 8Ah
FUSES	
Main fuse	20A
ABS unit (engine)	15A
ABS unit (ECU)	10A
Lighting	15A
Ignition (EFI)	15A
Dimensions	
Length	2000 mm
Width	745 mm
Height	1150 mm
Wheelbase	1450 mm
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Maximum permissible rear axle load	191 kg
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DARSTELLUNG



NOTES

NOTES



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