

OWNER'S MANUAL SERVICE RECORD

Status January 2006

For "TOPMOTORX" version: ZP1500
ZP 2000
ZP 1500 L25
ZP 2000 L45

Dear “TOPMOTORX ZP” owner,

Congratulations on purchasing one of our branded vehicles; we'd like to welcome you to the group of “TOPMOTORX ZP” owners.

This manual contains information about correct handling, inspections and service intervals for your “TOPMOTORX ZP” scooter. For your safety and in order to guarantee optimum driving comfort, we recommend that you read through this manual carefully before taking your scooter out onto the road for the first time.

For the smooth operation of your vehicle and to maintain its value and uphold the warranty claim, it is essential that the vehicle is maintained in the correct manner and that the care and driving instructions as specified in this manual are observed, as well as the service intervals with all service work being performed exclusively by authorized “TOPMOTORX” dealers.

Have a good and safe journey!

Warranty certificate

Vehicle identification number:

Type:

ZP 1500/2000

Date of delivery:

Day	Month	Year
<input type="text"/>	<input type="text"/>	<input type="text"/>

Dealer number:

45km/h 25km/h

Dealer's stamp:

Name:

Street:

City/State/Zip:

Telephone:

e-mail:

This certificate forms the basis for processing any warranty claims. If the warranty certificate is not completed or not completed in full, it will not be possible to process the warranty claims!

Customer information – warranty information – vehicle delivery

Vehicle care

- Treat painted trim parts with an enamel polish.
- Clean the vehicle at regular intervals (do not use high-pressure cleaning equipment).
- Spray-protect aluminium parts (e.g. with Motoplast) to prevent oxidation.
- Always oil or grease frames and metal parts. This prevents corrosion.
- Never remove insects with an insect sponge or similarly hard objects.
- A vehicle that is always parked outdoors must be covered with a tarpaulin to prevent weather damage to painted parts or tears and cracks in the seats and other plastic parts.

The warranty does not cover the following:

- Light bulbs
- Friction linings
- Tyres
- Accessories that are not part of the standard equipment

I accept the warranty terms and conditions in this booklet. The vehicle was delivered in flawless condition.

Customer signature

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Warranty information

1. Liability for warranty claims depends on statutory requirements (two years) commencing from the date of delivery to the customer.
2. The warranty shall not apply to defects that are not notified to an authorised “TOPMOTORX” dealer within this period.
3. Abrasion parts (e.g. glass panels, bulb, tyres, friction linings, batteries) are not covered by the warranty.
4. It is at the discretion of TOPMOTORX Motorsports – hereinafter referred to as TOPMOTORX – to decide whether defective parts are to be replaced or repaired. Any parts that have been replaced are the property of GGC without any entitlement to compensation.
5. The warranty shall not apply in the following cases:
 - a) If the vehicle was used in an irregular manner, particularly in the event of the overstressing of the vehicle by the customer.
 - b) If the customer has had an inspection or repair work as specified in the Service Record carried out by a workshop that is not authorised by TOPMOTORX.

- c) If the vehicle has been modified or changed in any way or if it was fitted with parts that have not been expressly approved by TOPMOTORX.
 - d) If the vehicle was used for motor sports events.
 - e) If the operating, care and maintenance instructions as specified in this manual have not been observed.
6. Any agreements that deviate from the above-mentioned warranty terms and conditions shall only be effective if confirmed in writing by TOPMOTORX.

End of the warranty information

Your “TOPMOTORX ZP” dealer provides you with expert advice and services your vehicle professionally.

Here are a few tips to ensure that all inspection and repair work runs smoothly.

1. Only have your vehicle serviced by an authorised **“TOPMOTORX ZP” dealer**.
2. Arrange dates with the manager of the workshop.
3. Explain the necessary work whilst actually standing next to the vehicle or make a list.
4. If your talk with the manager of the workshop has left any questions unanswered, ask again until you are happy that you have clarified all issues.
5. Issue clear instructions.
6. Ask about the probable costs of the work before it is performed.
7. Leave your telephone number so that the manager of the workshop can contact you in the event of any questions.
8. Set a price limit for any additional work.
9. If anything remains unclear, speak openly to your **“TOPMOTORX ZP” dealer**.
10. Observe the regular service intervals for your **“TOPMOTORX ZP” vehicle**.

Care instructions

Aggressive pollutants in the air and de-icing salt can cause severe corrosion to all parts of a scooter. The user is responsible for protecting the vehicle adequately against such damage. Such protection helps to maintain the vehicle value and the warranty claim.

The best protection against corrosion is to thoroughly clean all vehicle parts. All remnants of salt and dirt should be removed completely. However, do not use high-pressure cleaning equipment since water particles could have a detrimental effect on the electrical system.

In winter, an anti-corrosive agent that provides long-term protection must be applied to non-painted aluminium parts, such as the engine. Any spots of corrosion on aluminium can be removed with steel wool and soap.

Polished metal parts must be cleaned and protected with a chrome polish.

To maintain painted trim parts, please use a special cleaning agent for car bodies. Bench, instrument trim, indicator lights, rear light and windshield, as well as stubborn dirt and insects, should be treated with an insect-removal agent (not with an insect sponge since this could cause scratches). The windshield should never be wiped with a dry cloth. To prevent cracking, special rubber-care agents should be used for rubber attached parts. Tyres do not require special care and can simply be cleaned with water.

Delivery inspection

The following checks/operations are necessary before vehicle delivery:

- Charge the batteries (observing battery guidelines).
- Check the action of the front and rear-wheel suspension.
- Check the function of all controls.
- Check screws, nuts and fastening parts; check the engine fixing, main and side stand fixing, suspension strut, yoke and steering-head bearing.
- Check the setting of lights / headlight.
- Check all main screws for the required tightening moment.
- Check the tyre pressure and, if necessary, correct.
- Check the action of front-and rear-wheel brakes.
- Perform a final inspection of the function of the following elements: steering, brakes, instruments, indicator lights, lights and signal system, as well as tyres and wheels.
- Explain the terms and conditions of the warranty to the customer.

Date, signature, stamp
"ZP" dealer

500-km service

Services should be performed up to 100km before or after the due date and no later than six months after the previous service.

- Charge batteries (observing battery guidelines).
- Check the action of the front and rear-wheel suspension.
- Check the brakes, brake fluid and brake action and, if necessary, refill brake fluid and adjust brakes.
- Check and, if necessary, correct wheels and tyre pressure.
- Check the setting of lights / headlight.
- Check the screws, nuts and attaching parts. Adjust main screws to the required tightening moment.
- Check all main screws for the required tightening moment.
- Check the function of all controls.
- Perform a final inspection of the function of the following elements: steering, brakes, instruments, indicator lights, lights and signal system, as well as tyre pressure and wheels.

Services should be performed up to 100km before or after the due date and no later than six months after the previous service.

Service 30 000 km	Service 35 000 km	Service 40 000 km	Service 45 000 km	Service 50 000 km
km: _____	km: _____	km: _____	km: _____	km: _____
_____ Date, signature, stamp of "ZP" dealer	_____ Date, signature, stamp of "ZP" dealer	_____ Date, signature, stamp of "ZP" dealer	_____ Date, signature, stamp of "ZP" dealer	_____ Date, signature, stamp of "ZP" dealer

<p>Odometer changed</p> <p>Mileage shown, not total mileage!</p> <p>km: _____</p> <hr/> <p>Date, signature, stamp of “ZP” dealer</p>	<p>Odometer changed</p> <p>Mileage shown, not total mileage!</p> <p>km: _____</p> <hr/> <p>Date, signature, stamp of “ZP” dealer</p>	<p>Odometer changed</p> <p>Mileage shown, not total mileage!</p> <p>km: _____</p> <hr/> <p>Date, signature, stamp of “ZP” dealer</p>	<p>Odometer changed</p> <p>Mileage shown, not total mileage!</p> <p>km: _____</p> <hr/> <p>Date, signature, stamp of “ZP” dealer</p>
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Operating instructions

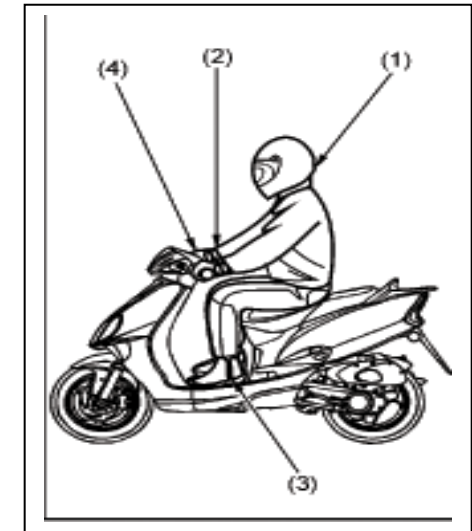
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1. Safety information

1.1 Clothing

- Close-fitting and comfortable clothing is essential for driving safety.
- Observing the traffic regulations and careful driving increases safety.

- (1) Wear a helmet and always fasten it tightly.
- (2) Make sure that the sleeves of shirts and jackets are closed.
- (3) Wear suitable footwear (no stiletto heels or sandals).
- (4) When driving, always keep two hands on the handlebars.



➤ CAUTION

- Never drive wearing clothes that are too long or too loose-fitting.

1.2 Driving style

- The sitting position and load have a great effect on the handling of a scooter.
- Weight should always be distributed in the centre of the vehicle; this results in safe and neutral handling
- When cornering, the driver should lean into the curve with the vehicle.

When driving on rough road surfaces and poor roads, always hold the handlebars firmly with both hands.

➤ CAUTION:

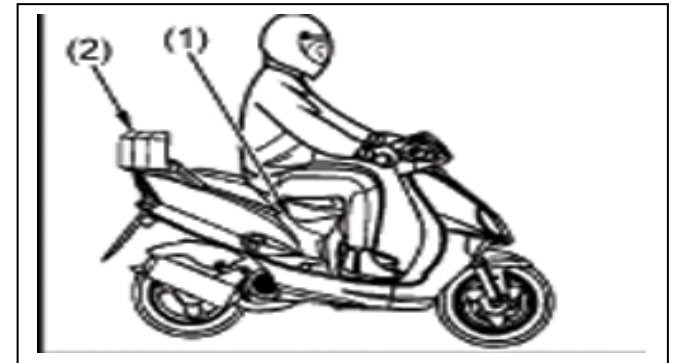
- On no account should you touch the crankcase either during or after the journey. **Hot surface!**



1.3 Transporting luggage

- Luggage must be stowed and fastened so that it cannot slip or hang down.
- To prevent injury to others, objects must not jut out beyond the vehicle.
- The permissible **gross vehicle weight** and the axle loads may not be exceeded.

- 1) Max. load of stowage compartment below seat: 5 kg
- 2) Max. load of luggage carrier: 5 kg



2. Attached parts



3. Operating instructions

3.1 Ignition lock/steering lock

- 1) **ON:** The electric circuit is switched on, the green power light lights up.
Function when key position is at ON:
Vehicle is ready to start. Start engine by turning the throttle (caution, no engine noise!).
Indicator light, running light, battery-level indicator (for exact reading, briefly press the battery-level button), brake light, horn and dash board lighting. In this position, the key cannot be removed.
- 2) **OFF:** The electric circuit has been interrupted. The vehicle cannot be started.
The key can be removed.
- 3) **LOCK: lock steering lock:** Turn the handlebars as far to the left as possible, press the key in and, at the same time, turn to the LOCK position. The steering lock is activated and the electrical system is switched off, the key can be removed.
Unlock steering lock: By turning the key back to OFF or ON.

➤ **CAUTION:**

- After removing the key, always check that the handlebars are locked.
- Only turn to the LOCK position when the vehicle is parked.
- Always remove the key after parking!



3.2 Power button

The power button should only be pressed briefly when ascending steep hills. Pressing the button increases the current supply and generates



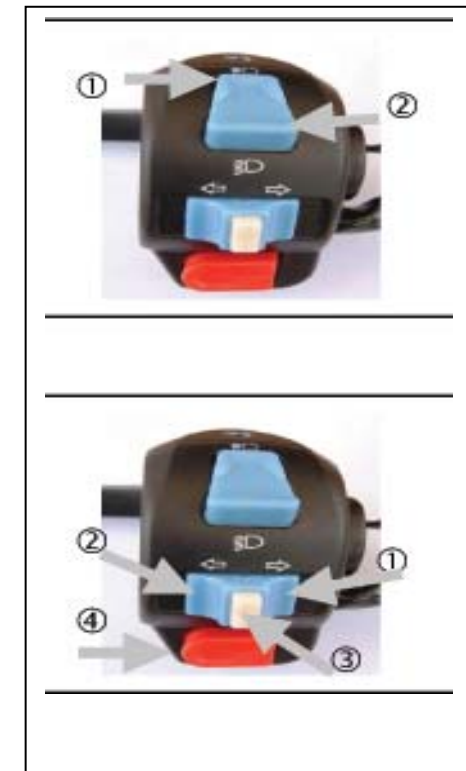
more power. The increased current supply lasts for approx. 1.5 minutes, if necessary, the button then has to be pressed again.

➤ **CAUTION:**

- When starting the scooter on a very steep slope, both legs should be used to gently move the scooter.

3.3 Light switch

- **Switch to the right:**
In this switch position, all the lights are off.
- **Switch in the centre:**
Parking/side light, rear light and instrument-panel lighting are switched on.
- **Switch to the left:**
Lights and running light are switched on.



3.4 Main-beam/low-beam switch/light horn button

- (1) Main beam is switched on in this position.

- (2) Low beam is switched on in this position.

3.5 Horn button/indicator switch

- Horn and indicator lights only function when the ignition lock is **ON**.

- (1) Turning right
- (2) Turning left
- (3) Press indicator button to switch off indicator light
- (4) Horn button

➤ **CAUTION:**

The indicator light does not reset itself so do not forget to switch it off.

3.6 Seat lock

- To unlock, insert the key in the lock and turn it to the right, then open the seat.
- Max. load of stowage compartment: 5 kg.
- To lock the seat, press the seat down until the lock clicks into position.

➤ **CAUTION:**

Never put the key in the stowage compartment and close the seat.

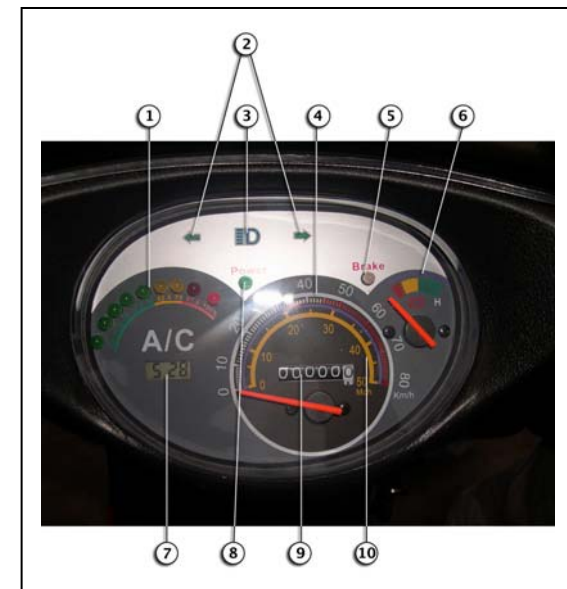
3.7 Charging ports

- The “TOPMOTORX ZP” scooter is fitted with two charging ports, foot well rear left and right.



3.8 Instruments

- (1) A/C
Indicates the current power being used
- (2) TURN SIGNAL INDICATOR RIGHT/LEFT
- (3) HIGH BEAM INDICATOR
- (4) SPEEDOMETER:
The speed is given in km/h.
- (5) BRAKE LIGHT INDICATOR
If brake is applied it indicates “red”
- (6) BATTERY LEVEL DISPLAY:
The display shows you the current battery level.
To see the exact level, you should briefly press the battery button.



(The red battery button is located below the instruments.)

The exact battery-charge level will then be displayed for approx. two seconds.

(7) CLOCK

(8) POWER CHECK LIGHT

Light will indicate "green" if ignition is "ON"

(9) ODOMETER

(10) SPEEDOMETER:

Speed is given MPH

➤ CAUTION

When the battery level is low, please re-charge the batteries using the **original** charger.

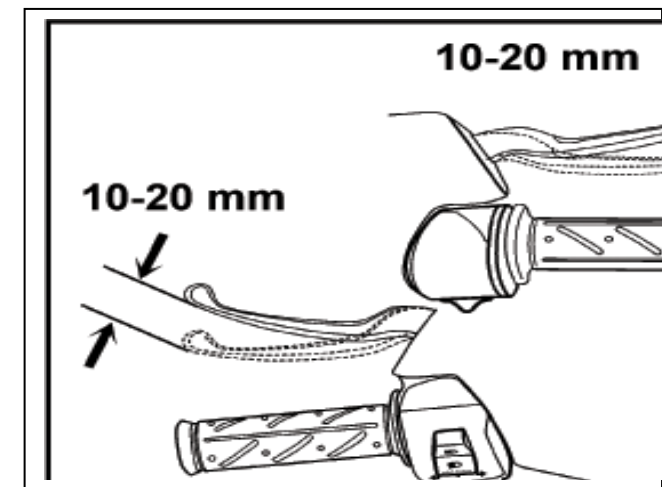
4. Before the journey

4.1 Checks

- For your own safety and to prevent damage to the scooter, you should perform these checks as a course of habit.

4.2 Check the brakes

- Before starting the journey, check the function of the front and rear-wheel brake.
- Check the free motion of both brake levers, approx.



10-20 mm, if necessary, adjust.

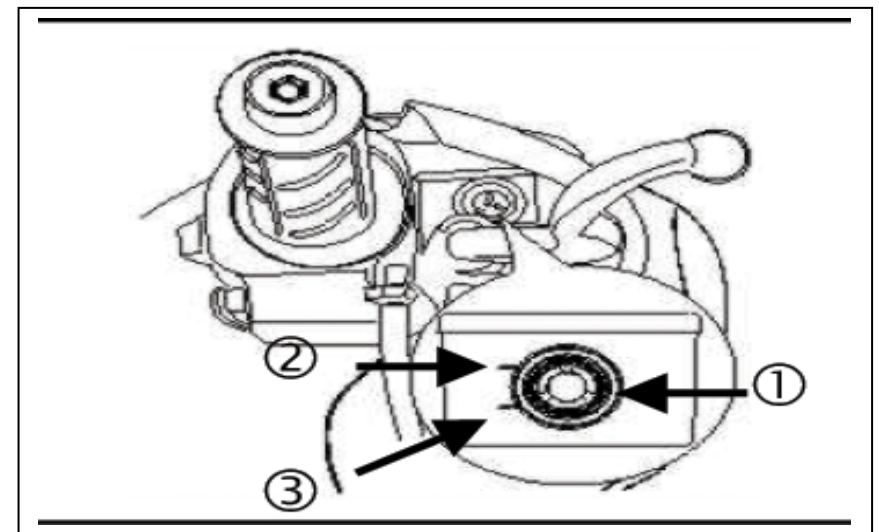
(Free motion: the distance the brake lever moves before the brake starts to act.)

- Pull on both brake levers for front and rear as hard as you can, push the scooter forwards and check the braking force.

4.3 Check brake-fluid level

- Stand scooter on a level surface using the stand, point the handlebars straight ahead.
- Read off the brake-fluid level through the inspection glass (see 1).
- If the level is at “min” or below, contact your “TOPMOTORX” dealer immediately.

- (1) Inspection glass
- (2) “Max” marking
- (3) “Min” marking



➤ **CAUTION**

- If the lever has too much free motion, if the brake pressure at the lever is too low or if the braking performance is too weak, contact your “TOPMOTORX ZP” dealer immediately.

4.4 Check the brake linings

- Wear limit:
 - (1) Front-wheel brake:

If the brake pad has worn down to the wear limit, replace both pads as a set.
 - (2) Rear-wheel brake:

The brake shoes of the rear-wheel brake are checked during services; only replace the brake shoes as a set.

➤ **CAUTION**

If wear is at the limit, contact your “TOPMOTORX ZP” dealer immediately!

4.5 Check the tyres

(Visual inspection before every journey)
CHECK THE TYRE PRESSURE (at the petrol station)



- Check the tyre pressure when the tyres are cold.
- You should not drive if the tyre pressure is incorrect.

TYRE PRESSURE (with min./max. load)

Front wheel 2.0 – 2.5 bar

Rear wheel 2.0 – 2.5 bar

4.6 Check the tread profile

(1) CRACKS AND DAMAGE: _

- Check the tread for cracks.

(2) WEAR:

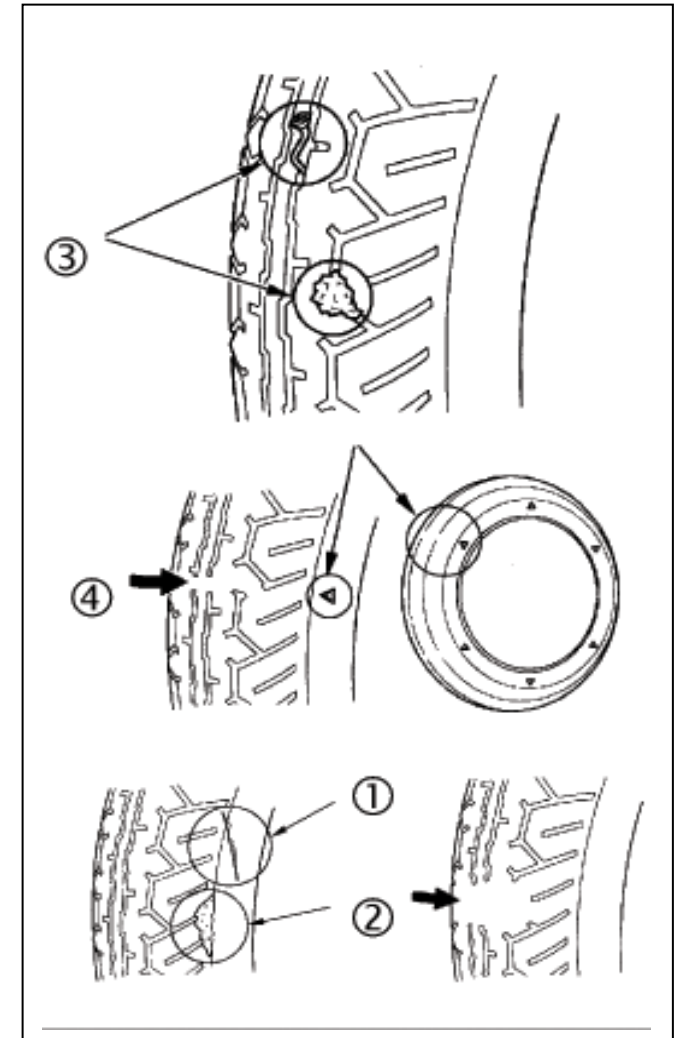
- Check the tread for wear.

(3) FOREIGN BODIES:

- Check the entire tyre for any foreign bodies that may have become stuck in the tyre (nails, stones, splinters,...).

(4) TREAD DEPTH:

- If the tyre has worn down as far as the wear marking (1.0mm), it must be replaced.



➤ CAUTION

- Incorrect tyre pressure, cracks, damage and high wear to the tyre could result in an accident.
- In the event of damage and wear as far as the wear marking: replace the tyre!

4.7 Check the battery level

- Before setting off on a journey, check that the batteries are sufficiently charged.

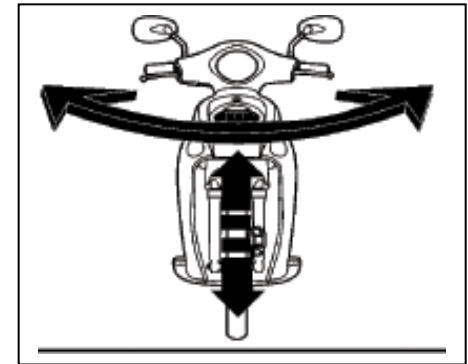
4.8 Battery-level display

- (1) Clock adjustment, by watching the clock it can also help you to judge the battery situation while being on the Scooter.
- (2) The only way to obtain an exact reading of the battery level is to press the red button. The button can only be pressed when the scooter (ignition on!) is stationary. To obtain an exact reading of the battery level, the battery button has to be pressed within five seconds of stopping (e.g. at traffic lights). If the display needle is within the yellow field, it is possible to drive for approx. another 5-15 km. If the display needle is in the red field, you should charge the scooter/batteries immediately.



4.9 Handlebars

- Perform a visual inspection of handlebars and instruments for damage
- Turn the handlebars to ensure that they move freely
- **CAUTION**
If you notice any damage or defects, on no account should you drive the scooter on the roads (danger of accident). Contact a "TOPMOTORX ZP" dealer immediately!



4.10 Charging the battery

- First connect the charger to the scooter, then plug it into the mains.
The red LED on the left will light up.
Now, turn ON the charger by using the red, round ON/OFF button.
The red LED in the middle will come on, which indicates that the batteries are charging. When the batteries are fully charged the green LED will light up and the red charging indicator will go off.
Before disconnecting the charger first turn it OFF:
- **CAUTION**
Only re-charge batteries using the original charger!



4.11 Charging time

- It takes approx. 7-8 hours to re-charge the scooter using one battery charger.
- Plug the charger into one of the two charging ports, the charger does **not** have to be switched between charging ports.

4.12 Re-charging with two chargers

- Plug a charger into each of the charging ports.
- The charging time is approx. 3.5 hours.

➤ CAUTION

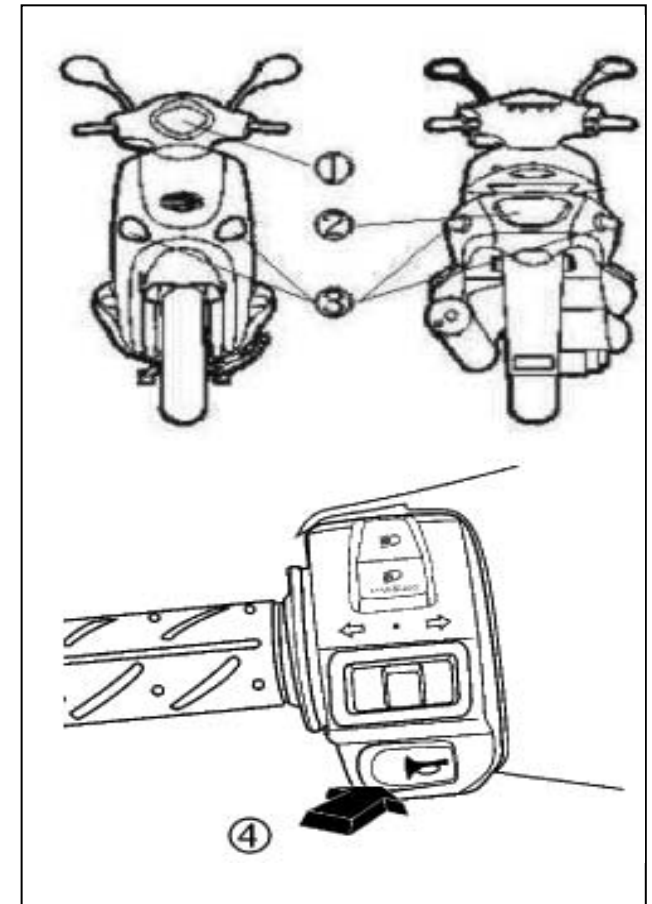
When using two chargers, the charging time can differ for each charger!

4.13 Check lights and horn

- Turn the ignition key to “ON”, check the horn button and passer.
 - Check the brake light:
Activate the front and rear brake levers one after the other and check whether the brake light works.
 - Check indicators:
Switch the left and right indicator switches one after the other to check the indicator lights at the front and rear, left and right.
Check lenses for damage.
 - Check headlight/rear light
Star the engine and switch the light on, check whether the headlight and rear light are working.
- (1) Headlight
 - (2) Rear light/brake light
 - (3) Indicators
 - (4) Horn button

➤ CAUTION

- Clean or replace dirty or damaged lenses.



4.14 Check front/rear suspension

- Check the condition of the front and rear suspension (by deflecting the springs several times when scooter stationary).

4.15 Check mirror position

- Sit upright on the scooter and ensure that you have a good rear view.

4.16 Check number plate

- Check number plate for damage and dirt.

4.17 Lenses of all lights

- Check and, if necessary, clean.

4.18 Trim and attached parts

- Check for correct fit.

5. Start scooter

- Unlock steering lock.
- Turn ignition key to “ON” position.
- Scooter can now be started.

➤ CAUTION

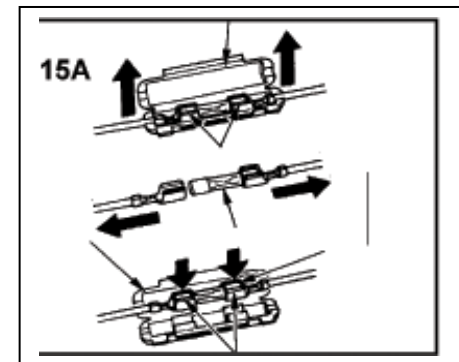
- The side stand must be folded away, otherwise the electric circuit is interrupted.



6.0 Simple maintenance

6.1 Replace fuse

- Turn off ignition and check whether the fuse has blown. (The fuse is located below the side panel on the right-hand side). If the fuse has blown, it must be



replaced with another 15A fuse.

- Before replacing in the fuse, first establish why it blew.

➤ **CAUTION**

After replacing a fuse, ensure that the cable connectors fit correctly!

- Never replace a fuse with one with a higher amperage as this could damage the cables!
- When replacing electrical parts, ensure that only original parts are used for your vehicle.
- **Never wash the scooter with high-pressure cleaning equipment!**
- If it is not possible to find the cause of a blown fuse, contact an e-max dealer!

6.2 Lights

- (1) Headlight: 12V/ 35W
- (2) Parking light: 12V/ 3W
- (3) Rear/brake light: 12V/ 21W 5W
- (4) Front indicator: 12V/ 10W
- (5) Rear indicator: 12V/ 10W
- (6) Instrument illumination: 12V/ 3V

6.4 Winter storage

Take the following precautions to prevent storage damage or problems when taking the vehicle out on the road again in the spring:

1. The vehicle should be cleaned thoroughly (not with high-pressure cleaning equipment!). Then treat all metal parts with corrosion-protection agent. Use a suitable cleaning agent on all

painted and unpainted trim parts and on rubber.

2. The batteries should be stored where they are protected against frost and recharged regularly. It is recommended that the batteries are recharged every four weeks whilst the vehicle is in storage.
3. Lubricate all cables and the joints of all levers.
4. Increase the tyre pressure to prevent flat tyres as a result of storage.
5. The vehicle should be stored in a dry room and be covered with at least one weather-resistant tarpaulin. An anti-corrosive winter tarpaulin is available as accessory for “street parkers”.