

## Meaning of the Signs

Please pay special attention to the statements and instructions that follow these signs:



**Warning!**

*This sign draws your attention to important advice and instructions, which if disregarded can lead to the risk of accident and injury.*

*Each one of these safety precautions informs you of the following.*



**Attention!**

*This sign draws your attention to information about improper or risky handling of your scooter, which can cause damage to the machine*

*What kind of danger is at hand?*

*What may happen?*

*What you can do to avoid or reduce the risk of injury or damage to equipment?*



**Environment!**

*This sign draws your attention to important instructions about safeguarding the environment.*

~ 1 ~

## Safe Driving



**Warning!**

*Riding a scooter requires you to observe specific safety precautions to ensure your personal safety. Please familiarize yourself with these precautionary measures before you start riding.*

- *Make yourself easy to see to avoid an accident which is not your fault:
  - Wear bright or reflective clothing.
  - Do not ride in the blind spot of other motorists.*
- *Be especially alert at crossroads, exits and entrances and at side street junctions.*
- *Observe the local laws and regulations of the country you are riding in.
  - Keep within the speed limits and never ride faster than conditioned warranty.
  - signal well before you make a turn or change lanes. Your size and maneuverability could surprise other motorists.*

## Rules for safe riding

- *Always make a “pre-ride inspection” before you start the engine. By doing this you protect the machine from damage and may prevent an accident.*
- *Persons in possession of a valid scooter driver’s license must only drive the scooter.*

~ 2 ~

➤ *When driving, keep both hands on the handlebars and keep both feet on the foot rests. The passenger must always hold onto the motorcycle or the driver with both hands and have both feet on the pillion footrests.*

➤ *The exhaust system becomes very hot when the engine is running and remains hot for a while after the engine has been switched off. Be careful not to touch any parts of the exhaust system. Only wear clothing that fully covers your legs.*

## **Protective clothing**

- *Always wear a helmet as well as boots, gloves or protective clothing. You should also wear a face shield or protective goggles if necessary.*
- *Do not wear any loose clothing! This could get caught in the operating elements, the foot rests, the driving chain or the wheels.*

### **Amendments**



**Warning!**

*Modifications to the scooter, removal of original parts, or the fitting of non-CPI spare parts and accessories may render the scooter unsafe and illegal.*

~ 3 ~



**Warning!**

*The installation of a performance kit results in the loss of warranty and road traffic admission.*

~ 4 ~

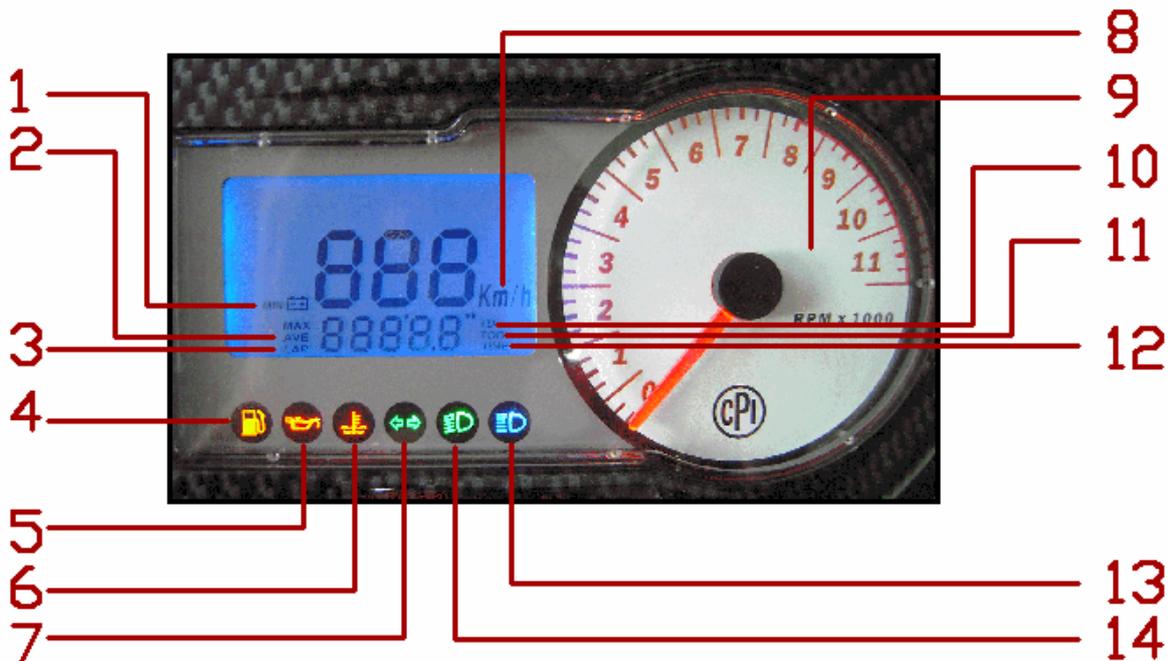
## Specifications

<b>MODEL NO.</b>	<b>GTR 180</b>		
Engine	1 cylinder, 4 stroke	Front suspension	Hydraulic fork
Displacement	169 cc	Rear suspension	Oil pneumatic shock absorbers, adjustable
Cylinder bore/stroke	Ø61×57.8 mm	Compression rate	10.3 : 1
Emission limits	Euro 2	Front tire	110/70-17-4PR
Cooling	Liquid	Rear tire	120/80-16-4PR
Transmission	Automatic CVT	Fuel capacity	9 L
Gross weight	116 kgs	Starter	Electric
Lubricating system	Separation	Disc Brake	Front $\phi$ 280, Rear $\phi$ 210 mm
Max. torque	15N-M/5000RPM	Battery	YTX9A-BS, 12V/9AH
Starter	Electronic/Kick	Dimensions L x W x H	1932x725x1163 mm
Max. power	8.9KW/7000RPM	Exhaust system	Steel

~ 5 ~

## Operation

### Mastiff instrument panel



### **1. Battery voltage alarm**

When battery voltage is equal or lower than 12,0V the system starts the alarm routine, and it begins to blink on the battery logo and the MIN indication. This feature has no effect on the other dashboard function. Alarm is reset when the battery voltage rises up to 12,5V. Alarm is operative every time the system detects a low voltage condition.

### **2. Average speed function (AVE)**

This information is displayed on the small 7 segments (digits 1÷5) followed by the AVE logo. The value shows the average speed of the vehicle (Km/h or Mph depending on the selected measurement unit) calculated in relation of the distance (TD) and the time needed to cover it (LAP). Date is refreshed every 0, 1 not stored in the resident memory. It's possible to reset this value in the AVE function pressing for 3 seconds the pushbutton until all digits are set to zero. This operation is possible whether the vehicle is moving or is stationary. Another reset is foreseen when LAP or TD have reached their maximum value.

### **3. Automatic chronometer function (LAP)**

This feature works together with TD and AVE and it is displayed on the 1÷5 digits followed by the LAP indication. This value is the effective time of travel of the vehicle and it could be expressed in MM:SS if time is less than 1 hour and HH:MM if time is more than 1 hour. Working together with TD counter, it starts automatically at the first pulse of the speed sensor, and it stops automatically in 3 sec after the last pulse. When LAP is operative the separation digit between hour and minute is blinking, this does not happen when the LAP function is not in action. The LAP date is not saved in memory, and it is possible to reset it by pushing the relative button for three seconds; this operation is possible whether the vehicle is moving or is stationary. By resetting LAP, also TD and AVE will be set to zero.

### **4. Fuel indicator**

The system turns on the indicator when the connector input # 15 is low, fill with gasoline as soon as possible.

### **5. Oil indicator**

The system turns on the indicator when the mileage counter meets 300km at the first time and every 1000km afterwards; please replenish 4-cycle CPI mixed oil as soon as possible.

~ 7 ~

### **6. Radiator temperature liquid indicator**

The system turns on the indicator when the connector input # 16 is low.

### **7. Direction light indicator**

The system turns on the indicator when the status of #2 or #13 are high, synchronized with the direction light indicators activation.

### **8. Speedometer**

Forward speed is based on km/mile per hour.

### **9. Rev counter function (RPM)**

- This information is shown by the stepper motor.
- Maximum value displayed = 11000 Round per minute as indicated by the graphic scale.
- The value is expressed in round per minute.

### **10. Automatic trip function (TD)**

This feature permits to visualize the automatic partial totalizer on board. It is displayed on the 2÷5 digits with the TD logo. The displayed data are relative to the distance covered by the vehicle, and it could be expressed in Km or Miles (depending on the selected measurement unit). Maximum resolution is 0, 1 Km or Miles. This counter starts automatically at the first pulse of the speed sensor. Date are not saved permanently in memory, in fact it is possible to reset the TD value by pressing for more than 3 seconds the pushbutton until on the display the TD value is reset to "000.0". TD resetting (that is possible also while the vehicle is moving) has also effect on the LAP and AVE value that will be set to 0. When the value reaches 999.9 the system sets to 0 on the three digits and restarts counter.

### **11. Totalizer function (TOD)**

This feature describes the function/visualization of the on-board Totalizer. The information is displayed on 1÷5 digits and it has near the TOD indication. It is possible to choose the measurement unit, the possibility are km (default value) and Miles. This value memorized in a non-volatile memory (E<sup>2</sup> Prom) and it is updated every Km done. The standard use of the instrumentation does not permit to erase the memorized value. The maximum value that is possible to show is 99.999 km (or Miles), over that the Totalizer will be reset to zero. Minimum resolution possible is 1 Km/1 Miles.

~ 8 ~

## 12. Current time function (Time)

This feature visualizes the current time using the 1÷5 digits. The time format is HH:MM and it is always displayed even if the micro-controller switches to Sleep-Mode status. The clock set up is only possible when the vehicle is stopped. To modify the current time it is necessary to push the button in the TIME indication function until only the TIME logo and the dedicated digits remain active. At this moment it is possible to modify the hour value first, and then minute value, data that could be changed is blinking at  $f=1\text{Hz}$  duty=50%. A short hit to the pushbutton increases the selected value of one unit. To switch from minute to hour and vice versa it is necessary a long hit on the pushbutton whereas to return to the operation mode it is necessary to press the pushbutton for 3 seconds at least.

### Remark

The system switches to operating mode if after 20 sec no setting or changes are made.

- Visualization sequence from 0:00 to 23:59
- Clock accuracy  $\pm 2.5''/\text{day}$
- The current time information is not saved in memory

### Remark

When entered in the clock set up if speed is  $\neq 0$  the system switches automatically to the standard operative mode.

All the modifications made before speed  $\neq 0$  are saved in the memory.

## 13. High beam indicator

If dimmer switch is at "HI", the indicator will light.

## 14. Low beam indicator

If dimmer switch is at "LOW", the indicator will light.

## 15. Measurement unit setting

Keep pressing the pushbutton in TOD function till the only information displayed is the wheel circumference and the other ones are switched off. A long hit will switch to another digit of the total value. When the new value setup is finished and the last significant digit is blinking! It is necessary to keep pressing the pushbutton for at least 3 secs to save the new data. At this point the system shows 2 possible measurement units KM/H or MPH and the selected one is blinking. When the new data is saved, the system switches to the normal operative mode.

~ 9 ~

## Starting the Engine



### Attention!

Read these operating instructions carefully before driving your scooter.



### Warning!

There is a danger of poisoning if the engine is run in enclosed spaces.



### Starting a cold engine:

- Fold up the side stand.
- Turn on the ignition.

If the lights are on, switch off the light on the left handlebar controls to make all the battery power available.

- "START" Press the button in the right handlebar controls (the starter starts the engine)

### START ENGINE WITH KICK STARTER PEDAL:

- If scooter has not been used for a long time, it may be uneasy to start. Turn throttle grips by 1/8-1/4 round and start engine again.
- If cold start, warm up engine for 2-3 minutes.

~ 10 ~



### **Attention!**

***If the engine does not start immediately, release the starter button, wait for a few seconds and then press it again. Never press the starter button for longer than 5 seconds.***

- *Fold up side stand.*
- *Turn on the ignition.*

*If the lights are on, switch off the light on the left handlebar controls to make all the battery power available.*

- *Set engine stop switch to .*
- *Open the throttle about 1/4 turn.*

### ◆ **USA version:**

*When starting the engine, the light will be simultaneously on by a relay connection!*

- *Press the “START” button in the right handlebar controls (the starter starts the engine)*

~ 11 ~

## **Ignition Lock**



### 1. :

*The electric power of engine is turned off and engines stops*

*You can take off the key.*

### 2. :

*The electric power of engine is connected and you can start.*

*You cannot take off the key.*

### 3. :

*The steering handling is locked.*

*You can take off the key.*

~ 12 ~

## Front wheel suspension

The inspection of front fork

Make sure to keep scooter on stable location to prevent turn over.

### 1. Visual inspection

Check the surface of front fork internal tube, whether scratched, damaged or leaking oil.

### 2. Operation inspections

Place scooter on a level place

a. Put your hands on the grips, keep scooter on the vertical position, and hold the front rear brake handle to prevent scooter slippery forward.

b. Operate handlebar up and down for several times to check the operation situation of the front fork.



**Warning:**  
If there is any damage or leaking oil, you should take it to your dealer to check.

The inspection of steering bearing

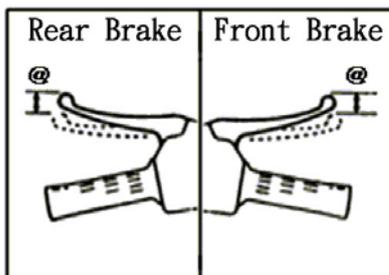
The worn or loose of steering bearing can be dangerous. Place a wooden case under bottom of engine to keep wheel away from floor. Hold the bottom of front fork and shake fork forth and back. If it is loose, check with your dealer.



**Attention!**

If you are not sure, check the damping adjustment before driving!

~ 13 ~



Clearance	Front brake@	Rear brake@
Drum brake	10~20 mm	10~20 mm
Disk brake	3~5 mm	3~5 mm

Warning -

When the brake handler is in operation, if you feel loose, it means something wrong with braking system and it is dangerous. Don't drive it before the problem is solved, and take it to your dealer to check at once.



**Warning!**

The installation of performance increasing components results in the loss of warranty and makes it illegal to ride the scooter on public roads.

~ 14 ~

## Fuel Tank Cap



**1. Open the cover under fuel tank cap.**

**2. Open:**

*Insert key into keyhole, turn right and then draw fuel tank cap back.*

**3 Close:**

*Push fuel tank cap to the original position, turn left and take out the key.*



**Warning!**

*Before you start your ride, make sure that the fuel tank is closed tightly.*

~ 15 ~

## Seat Lock



**Open:**

*1. Insert switch key into the keyhole and turn it left, you will be able to pull rear seat up.*

*2. Pull the ring in the case to pull open the seat.*

**Close:**

*Press the seat, it will lock automatically.*



**Warning!**

*Never ride with a helmet hanging from the scooter. The helmet may be caught by something or knock against something,*

~ 16 ~

## Lubrication

Change oil and clean filter at first 300km and every 1000km after.



Total	1.0 liter
4 stroke E/G monopoly oil	SAE 15W-40

## Gasoline

Make sure the fuel tank has enough fuel.

Assigned fuel	Using fuel without lead only.
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~ 17 ~

## Running in

It is important for the first 1000 km of a scooter if it is to be used for long. Thus, please read following information carefully. It must not carry stuff overweight in first 1000 km because of a new E/G. each part will interact to get the correct operative clearance. In this period, you must avoid extensive wide open throttle or any action to cause E/G over heat.



### Warning

If you find anything wrong with E/G in the period of running in, you should contact your dealer at once.

#### 1. 0~150 km

Avoid operate over 1/2 throttle. Stop the E/G for 5~10 minutes after running for one hour. Often change speed of scooter and avoid operate at the same location of throttle without brake.

#### 2. 150~500 km

Avoid long term operation over 1/2 throttle.

#### 3. 500~1000 km

Avoid driving speed over 3/4 throttle.



### Warning

You must change gear oil after driving for 500km.

#### 4. above 1000 km

Avoid long term operation with completely wide open throttle, you should occasionally change speed.



### Warning

If you found anything wrong with E/G in the period of running in you should contact your dealer at once.

~ 18 ~

## Operating Instructions

### Braking

*Always apply both brakes simultaneously.  
Just using one brake reduces the braking effect.*



**Warning!**

*Never brake too hard.  
This can lead to the wheels locking and the scooter out of control.*

Please observe the following instructions:

- Reduce speed when approaching a curve. Braking in a curve may cause skidding.
- Apply the brakes with care on wet roads.
- On long, steep, downhill streets, use the braking effect of the engine by shifting down. You can supplement this by applying both brakes intermittently.

~ 19 ~

### Stopping the engine

*Turn off the ignition to switch off the scooter.*

*Lock the steering to prevent theft and lock the fuel cock.*



**Attention!**

*If the scooter is left unattended (even for a short period) you should always remove the ignition key.  
Do not park the scooter on soft or sloping ground.*



**Warning!**

*The exhaust silencer and pipes can become very hot!  
The exhaust can continue running for some time after the ignition has been switched off.  
Always park the scooter so that pedestrians and children cannot come into contact with these parts.*

~ 20 ~

## Refueling



**Warning!**

*There is a danger of fire and explosion when handling fuel.*

*Never refuel in an enclosed space!*

### **Recommended fuel:**

*Unleaded regular petrol with an octane rating of 89 or higher.*



**Warning!**

*Do not overfill the fuel tank.*

*Make sure that no fuel is spilled onto the hot engine.*

*Fuel tank capacity:*

*Total: 9L*

~ 21 ~

## Winter Driving Instructions

*If you also drive your scooter in winter and live in a country with a moderate or cold climate, please observe the following instructions:*

- *Before winter starts, protect the chromium-plated and unprotected metal and painted parts with a corrosion protection agent recommended by a specialist dealer.*
- *Apply this corrosion protection agent to the scooter as specified in the maintenance schedule.*
- *Before the winter period starts, treat the ignition lock with a commercially available lock lubricant.*

- *At the end of winter remove all protective measures.*

~ 22 ~

# Simple Maintenance

## Tool set

This user's guide contents some information about maintenance. However, a proper torque-wrench to lock screws is necessary.



## Tool set





**Attention!**

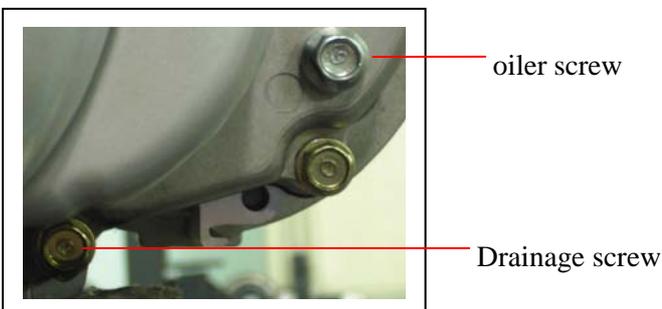
If the scooter is modified, it will effect the scooter performance and cause danger.

~ 23 ~

## Gear oil

1. Place scooter on the level location, then take off the cover.

2. Take off oil plug and drainage-screw to release gear oil.
3. Tight drainage-screw to 1.8 kgf-m.
4. Add gear oil
5. Install oil plug and check gear oil if it is leaking.



Total gear oil	0.16L
Switch	0.14L
The series of gear oil	SAE90



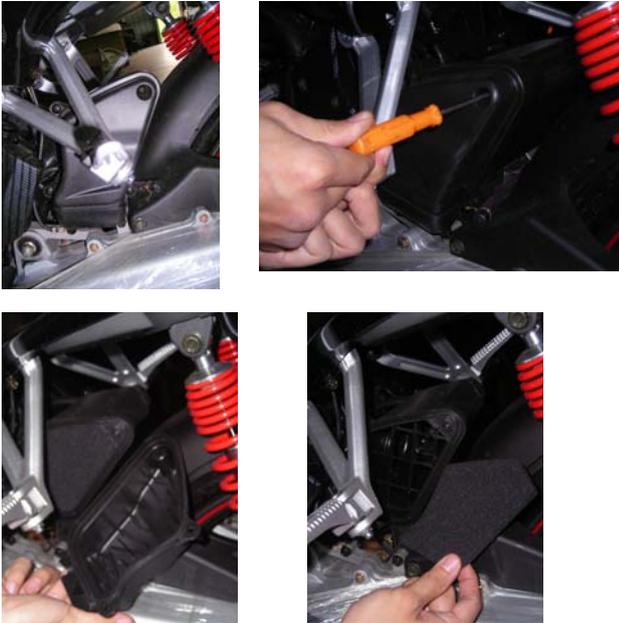
**Attention!**

Prevent any extra stuff to get into gear tank when you add or release gear oil. Moreover, prevent gear oil to stick on the tire.

~ 24 ~

## Air Cleaner

1. draw the Air cleaner filter



**Attention!**

Don't use oil or low ignition point of solvent to wash air cleaner. It will cause fire or explosion,



**Warning**

Don't fold and twist filter otherwise it will be damaged.

2. Cover proper SAE10W30 oil after filter is wrenched to dry.

3. Install filter, filter cover and left side cover.

~ 25 ~



**Warning!**

Don't operate E/G without installing filter to avoid serious worn away of piston and cylinder.

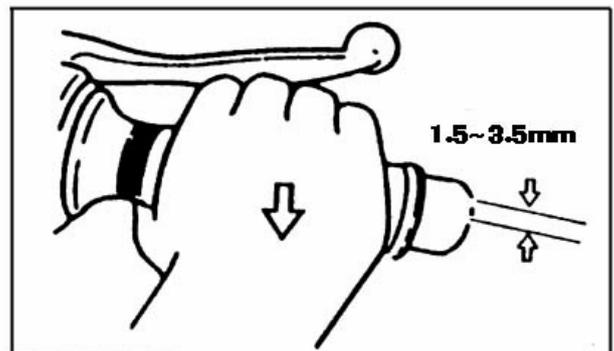


**Attention!**

Don't make oil spread or overflow on exhaust pipe. Because the appearance temperature is quite high; it will fire when it touches oil.

## Grips

Turn around grips; check the operation situation and free clearance. Make sure grips will return to screw. When it looses, it will return to initial location automatically because of elasticity.



~ 26 ~

## Brakes



**Attention!**

**Check the brake fluid level before every riding!  
Air in the brake system reduces the braking efficiency and it is dangerous for you and others!**

Please note that new brake oil hose have to be worn in during the first 500km in order to develop their optimal braking effect.

If there is not enough brake fluid, air may get into the braking system and reduce the braking efficiency.

For your own safety, your CPI dealer should carry out bleeding the brake fluid.

Checking the brake fluid level in the front wheel brake:

- Normal fluid level is between “UPPER” and “LOWER”.
- When the fluid level is near the lower level mark, check brake pads.
- If brake pads are not in good condition, it usually means somewhere is leaking.



**Attention!**

**Do not mix brake fluids!**

**This can cause chemical reactions, which can have a deleterious effect on the braking effect!**

~ 27 ~

## Maintenance

### Tires



**Attention!**

**Always ride with the correct tire pressure!**



**Warning!**

**Worn tires reduce the scooter's stability and may lead to accidents.**

**Replace worn tires with new ones!**

**Let CPI dealer or authorized workshop perform your tire repairs and replacements.**

Observe the legal tread depth in your country.

In any case, the tires should be changed, at the latest.

### Tire Pressure

1 The pressure of tire

You must adjust tire pressure to meet standard before riding.

TIRE PRESSURE INFORMATION		
FRONT	1 PERSON	32PSI/2.3BAR
	2 PERSONS	36PSI/2.5BAR
REAR	1 PERSON	32PSI/2.3BAR
	2 PERSONS	36PSI/2.5BAR

**Remark:**

**When you measure tire pressure, you have to wait until the tire is cool.**

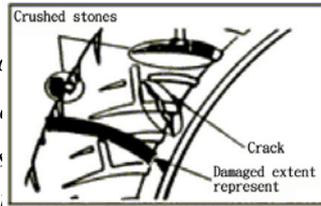
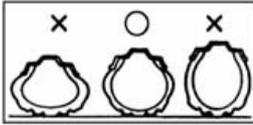
~ 28 ~



### **Attention!**

*Don't carry stuff overweight to prevent tire gets burned and cause danger.*

*2 outer tires.*



*to fix it at once. Change the same size of tire.*



### **Warning!**

*Use only those tires, which are approved for your scooters (see the Technical Date section and the entries in the authorized documentation)*



### **Warning!**

*It is forbidden to smoke when handling fuel or cleaning fluids with similar properties-there is a danger of fire and explosion.*

~ 29 ~

## **Carburetor**

*The cleaning of the carburetor, especially the jets and the fine filter under the float valve must only be performed in a workshop.*

*For this purpose the carburetor must be dismantled from the engine.*

*The carburetor has been adjusted optimally by the manufacturer or during the inspection done by your dealer.*

*Any unauthorized change of the settings has a negative effect on the following:*

- *Engine performance*
- *Petrol consumption*
- *Exhaust emissions*
- *Environment*



### **Attention!**

*The fine filter in the carburetor prevents dirt from entering and contaminating the nozzle system.*

*Engine problems (such as the engine stalling at high speed) may be caused by dirt in this filter!*

*Do not confuse engine failure with the regulation of the speed by the speed limited in the ignition box.*

*Petrol hose and connections:*

- *Check the clamps are tight*
- *If required, replace the hose with an original hose from the CPI dealer.*

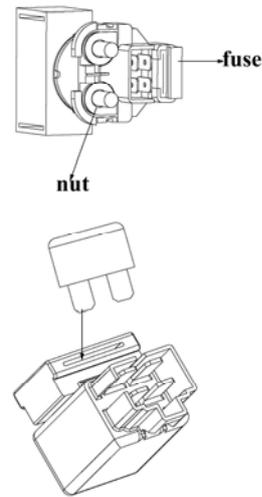
~ 30 ~

## Fuse

### ◆ The change of fuse.

Turn off the main switch, check fuse whether it is melt apart.

- Please follow rule of capacity to change when fuse is changed.
- Take off the screw of battery, open cap, the fuse is in the fuse box of battery.
- Open fuse box, then take fuse out and pull clip out



~ 31 ~

- When you change electrical parts (lights and speedometer), please use assigned specification parts.
- If the used specification is warp fuse it is easy to break as battery will afford different voltage.
- Avoid washing with strong running water.



### Warning

- Disassemble  
Don't put to much force on wire clip when you take it off.
- Assemble  
Please check clip, wire whether loose after fuse is installed, as this is the main reason to cause temperature increasing. You should note it.
- Don't use the fuse except assigned capacity, it is main reason to cause wire over heat and fire damage.

~ 32 ~

## Battery

### Battery inspection

This type uses the battery without filling water.

You don't need to fill and check.



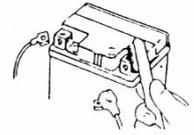
### Warning

- Don't open Battery cap absolutely.
- The automatic discharge ability of battery will reduce, if you don't use it for a long time. Take it off from scooter and charge it, then place it in cool and ventilated location.
- If scooter stops to use for a long time, please take out the negative of the battery.

### The polarity

Please take screw of battery out and loosen battery screws when you want to clean it.

- Please take battery away, if the polarity of battery is decayed.
- Please cover with slightly piece of Grease or Petrolatum Vaseline on the terminal of battery, and then install connector after you clean it.



### Warning

- You must keep away from fire when you are assembling and disassembling.
- You must turn off the main switch when you disassemble, then take negative off but install positive first, then assembles negative.
- If the screw of battery is loosened, you should tight it completely.

~ 33 ~

If the scooter is not going to be ridden for over 6 weeks, the following steps are to be undertaken before putting it in the garage:

- Remove the battery and store in a dark place where the temperature is between 5 °C/40 °F and 20 °C/68 °F.  
If necessary, the battery must be recharged first
- When removing the battery, first disconnect the negative lead and then the positive.
- When re-installing, first connect the positive lead and then the negative.



### Attention!

**Recharge when the battery is in the scooter:  
Switch off the ignition.  
Ensure that the polarity of the charging cables is correct.  
Ensure that the re-charging site is well ventilated.**

- Before driving the scooter again, check that the battery is charged and, if necessary, re-charge.

~ 34 ~



**Warning!**

**Store the battery out of the reach of children!**



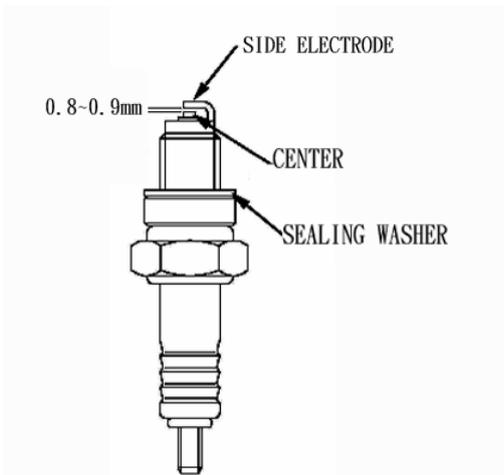
**Warning!**

**Oxyhydrogen (electrolyte gas) is emitted during charging!**

**Ensure that there is adequate ventilation in the area where you are charging the battery! Smoking and naked lights are forbidden! Avoid making sparks!**

~ 35 ~

## **Spark Plug Inspection**



- *Too large gap, deposit and electrode erosion will result in incomplete spark.*

### **1. Cleaning:**

- *It is the best way to clean with the cleaner of spark plug.*

### **2. Adjustment:**

- *Normally the side electrode gap is 0.8-0.9 mm. (As shown)*

### **3. Recommended spark plug:**

**NGK-DPR7EA-9**

- *Do not use the spark plug not recommended.*

~ 36 ~

## **Cleaning and Preserving**

*Frequent and thorough cleaning not only improves the appearance of your scooter but also improves its overall operating performance. The life expectancy of many of the engine components is also increased and corrosion prevented.*

- *Seal the end pipe of the exhaust to prevent water entering.*
- *Soften up heavy soiling with copious water before the actual washing process.*

- *Use detergents which do not attack the painting or other protective surface layers to remove dirt. Pay attention to the information provided by the manufacturer of the cleaning substance.*
- *A brush helps to clean heavily soiled places.*
- *Thoroughly rinse dirt and cleaner off with water.*

~ 37 ~

### **Attention!**

***High pressure water, e.g. from a high-pressure cleaner, can damage certain components of the scooter. Therefore spray with a low-pressure spray.***

*The following areas are to be protected from water getting in:*

- *Carburetor and the intake area below the Seat*
- *Wheel hubs*
- *Instruments*
- *Ignition switch*
- *Exhaust outlet*
- *Main brake cylinder*

- *Immediately after washing, dry all surfaces with compressed air or a soft cloth.*
- *Clean the seat with vinyl upholstery cleaner to keep the cover soft and shiny.*
- *Car wax can be applied to all the painted and chromium-plated parts of the scooter. Compound cleaning and waxing agents should not be used.*
- *Start the engine and go for a short test ride.*

~ 38 ~

- *Slide back the protective caps on the operating levers on the handlebars, dry the surfaces underneath and lubricate the joints.*



*Environment!*

***Ensure that you dispose of the waste water according to the regulations.***

~ 39 ~

## **Storage**

*If you are going to store your scooter for an extended period (60 days or more) then a number of precautionary measures must be taken to prevent any damage during this period.*

*After the scooter has been thoroughly cleaned, prepare the scooter for storage as follows:*

- *Empty the fuel tank, the fuel line and the float housing of the carburetor.*



***Attention!***

***When using the starter only to rotate the crankshaft, the spark plug cable must be removed and grounded so that there will be no sparks.***

- *Remove the spark plug. Squirt a little engine oil SAE 20W20 into the spark plug hole, and then replace the spark plug. Turn the engine over a few times with the starter (ground the ignition cable) in order to distribute the oil over the cylinder walls.*

~ 40 ~

- *Adjust the tire pressure to correct one.*
- *Put the scooter on stands so that both wheels are off the ground.*
- *When storing in humid or salty air, a light film of oil must protect all exposed metal surfaces. Do not allow oil to come into contact with rubber components or the seat.*
- *Remove the battery, recharge it and store it in a dry place. It must be recharged once a month. The battery must not be stored at either very high or very low temperatures (over 30 °C/86 °F below 0 °C/32 °F)*



**Attention!**

***Necessary repairs should be made before putting the scooter into storage. Do not start the engine during the storage period.***

~ 41 ~

### **Re-start after Storage**

- *Charge the battery and fit it, making sure that the polarity is correct (black cable is negative, and red cable positive).*
- *Fill the tank with new petrol.*
- *Check the oil level.*
- *Check the brake fluid level.*
- *Check the tire pressure.*
- *Check operating safety in accordance with the road traffic regulations.*



**Attention!**

***When working on the ignition system there is danger from the high voltage. Therefore, the ignition must always be switched off.***



**Attention!**

***To work on the fuel system, one has to avoid the risk of fire and explosion. Smoking, naked lights and sparks are forbidden.***

~ 42 ~

## Driving Instructions

### Safe driving



#### Warning!

*Check that your scooter is roadworthy before driving. It is essential to carry out a complete safety check.*

#### Pre-ride checks:

*The following list of checks does not take very long, but the increased safety gained is worth much more than the few moments needed for the checks.*

- *Front and rear brakes:*

- *Lights and horn:*  
*Check the headlight, rear and brake lights, indicators, warning lights and horn are functioning properly.*
- *Tires:*  
*Check the condition and pressure of the tires.*
- *Fuel level:*



#### Warning!

*If you notice any irregularities before driving, the necessary repairs must be made before riding the scooter.*

~ 43 ~

#### Individual riding styles:



#### Warning!

*Your safety on the road is very much determined by your personal conduct and the way you drive.*

#### Therefore:

- *Do not drive when you are tired.*
- *Never drive when you are not fit to ride (for instance, when you are under the influence of alcohol, drugs or medication)*
- *Always adjust your speed to road and traffic conditions.*

- *Always observe traffic regulations strictly, especially the speed limits.*

#### Loading:



#### Warning!

*Carrying baggage affects the scooter's performance and stability because it changes the center of gravity. Adjust your way of riding and speed accordingly. Do not exceed the maximum authorized load!*

~ 44 ~

The **GTR** is not designed for carrying a large amount of baggage. However, if you want to take baggage with you, please observe the following instructions:

- Keep the baggage weight as low as possible.
- Place the baggage as near as possible to the center of gravity of the scooter.
- Distribute the weight as evenly as possible.
- Check regularly that the baggage is secure. No part of the baggage or securing gear may come into contact with any of the scooter's moving parts, e.g. a wheel.

~ 45 ~

## ***Drive Economically and Protect the Environment***



### ***Environment!***

*The engine should not be warmed up while stationary.*

When the engine is idling it takes a very long time for it to reach operating temperature. During the warm-up period the wear and pollutant emissions are especially high. Therefore, ride off with a low engine speed shortly after starting the engine.



### ***Environment!***

*Do not accelerate at full throttle.*

*Using moderate acceleration reduces the fuel consumption; environmental damage and engine wear considerably.*



### ***Environment!***

*Try to avoid driving at maximum speed.*

*Fuel consumption, exhaust gases and vehicle noise increase disproportionately at high speeds.*

~ 46 ~



### ***Environment!***

***Drive at a steady speed and be alert.***

*Unnecessary acceleration and braking may result in higher fuel consumption.*



### ***Environment!***

***Turn the engine off during traffic delays.***

~ 47 ~

## **General Remarks**



### ***Attention!***

***If you do not possess the necessary tools or knowledge to carry out repairs or maintenance, you are advised to get this work done by your authorized CPI dealer.***

*Improperly performed repairs and maintenance work may lead to the loss of warranty claims.*

*Regular maintenance work, adjustments and lubrication carried out by your authorized CPI dealer provide the basis for many years of safe and efficient operation of your motorcycle.*

*All maintenance work should be carried out at regular intervals.*

*The distance intervals specified in the maintenance schedule are guidelines.*

*They may be affected by the following factors:*

- *How you ride*
- *Weather conditions*
- *Road conditions*

~ 48 ~



### **Warning!**

***Do not make any of your own adjustments or changes to the engine or chassis components, by doing this, you put yourself and others at risk.***

➤ *Geographic location*

*Depending on the severity of the above-mentioned factors, even shorter intervals may be necessary.*

*The instructions in this chapter provide you with information on how to perform small maintenance tasks and help in the event of a break-down.*

*The on-board tool kit supplied can be used not just in the case of a break-down but also for carrying out some of the maintenance work specified in the maintenance schedule.*

*During the warranty period, your CPI dealer should carry out all maintenance works.*

*Fire and safety at work regulations must be observed during all care and maintenance works!*



### **Environment!**

*Please observe the environment and fire protection regulations when handling fuel and lubricants.*

***Dispose of used oil according to the legal regulations.***

~ 49 ~

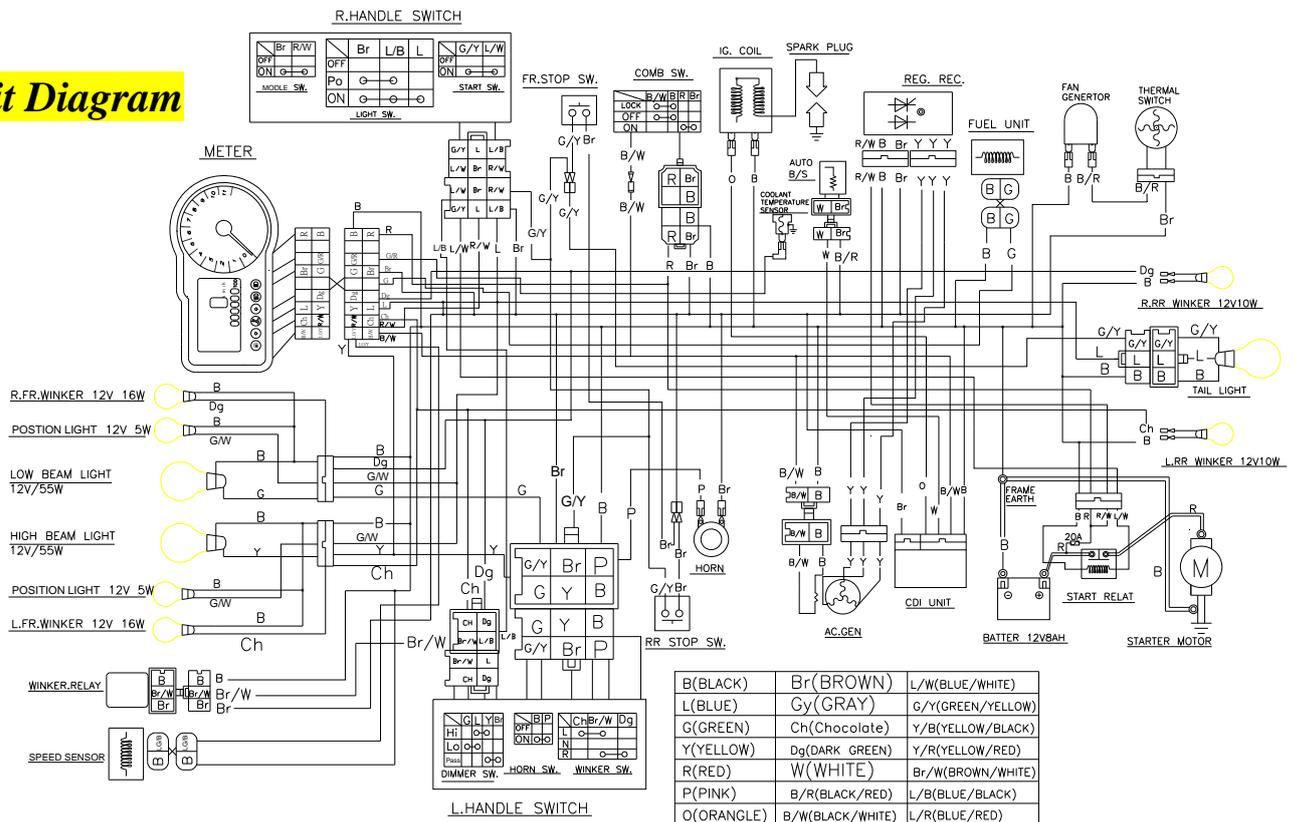
*Only use the fuel and lubricants recommended by us!*

*Top up lubricants or brake fluid only with the original fluids. Mixtures can have adverse effects or cause damage.*

*Let CPI dealer determines the cause of losses of fuel, lubricants and brake fluid - there could be leakage!*

~ 50 ~

## Circuit Diagram



~ 51 ~

## Identification Number



### 1. Key number

Your key's identification number is engraved on the plastic plate beside. Your key is as shown in the above photo. Record this number at the scooter certificate and store carefully. Provide for reference if you need a new key.

### 2. Manufacturer's data plate and frame number

You can see the manufacturer's data plate sitting between the handle and the front wheel. Take off the right side cap on the right leg shield's cover, the frame number will appear.

~ 52 ~

# MEMO