

GILERA WOULD LIKE TO THANK YOU

for choosing one of its products. We have prepared this manual to help you to get the very best from your vehicle. Please read it carefully before riding the vehicle for the first time. It contains information, tips and precautions for using your vehicle. It also describes features, details and devices to assure you that you have made the right choice. We believe that if you follow our suggestions, you will soon get to know your new scooter and it will serve you well for a long time to come. This booklet forms an integral part of the vehicle; should the vehicle be sold, it must be transferred to the new owner.

Runner 50 2T



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The instructions given in this manual are intended to provide a clear, simple guide to using your vehicle; this booklet also details routine maintenance procedures and regular checks that should be carried out on the vehicle at an **authorised Dealer or Service Centre**. The booklet also contains instructions for simple repairs. Any operations not specifically described in this booklet require the use of special tools and/or particular technical knowledge: to carry out these operations, refer to any **authorised Dealer or Service Centres**.



Personal safety

Failure to completely observe these instructions will result in serious risk of personal injury.



Safeguarding the environment

Sections marked with this symbol indicate the correct use of the vehicle to prevent damaging the environment.



Vehicle intactness

The incomplete or non-observance of these regulations leads to the risk of serious damage to the vehicle and sometimes even the invalidity of the guarantee.

The signs that you see on this page are very important. They are used to highlight parts of the booklet that should be read with particular care. The different symbols are used to make each topic in the manual simple and quick to locate.

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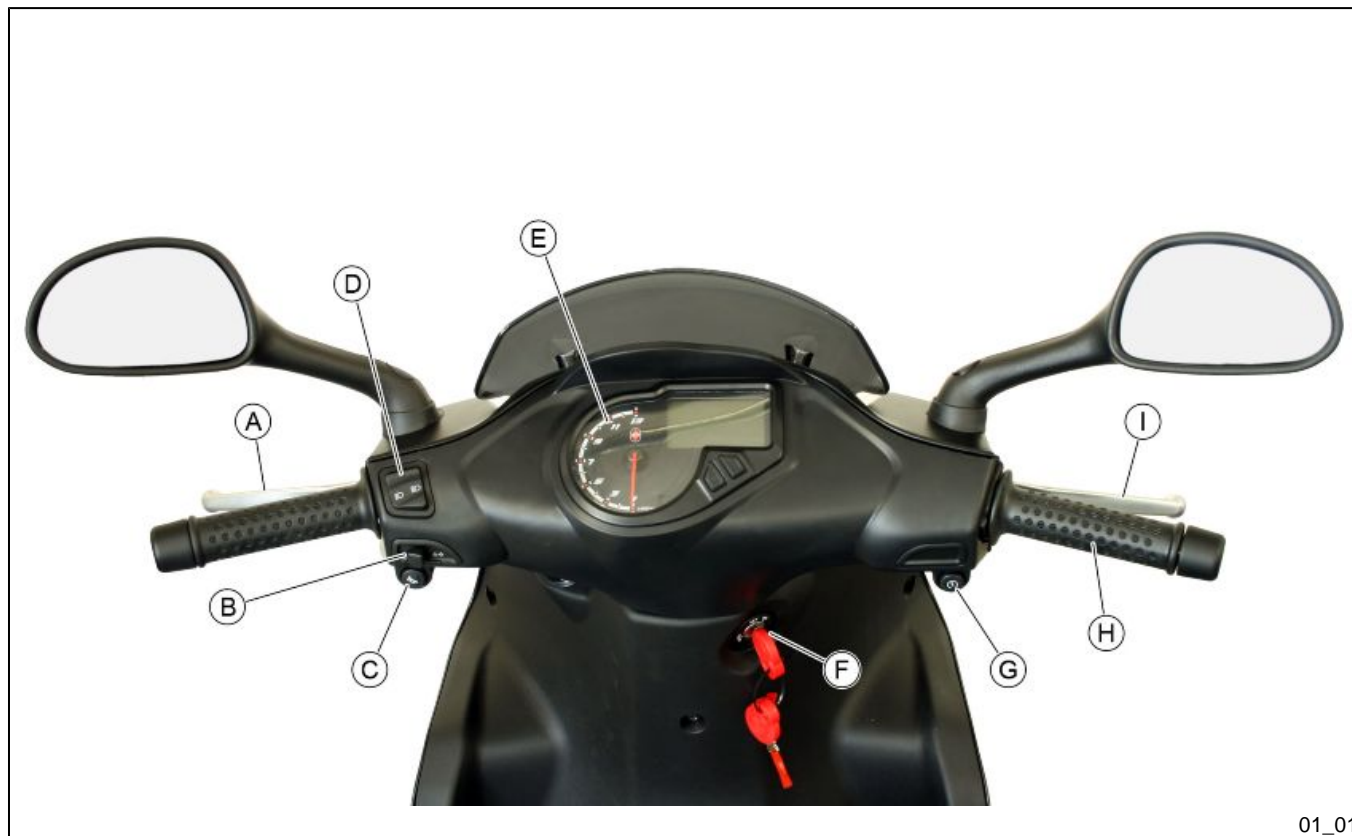


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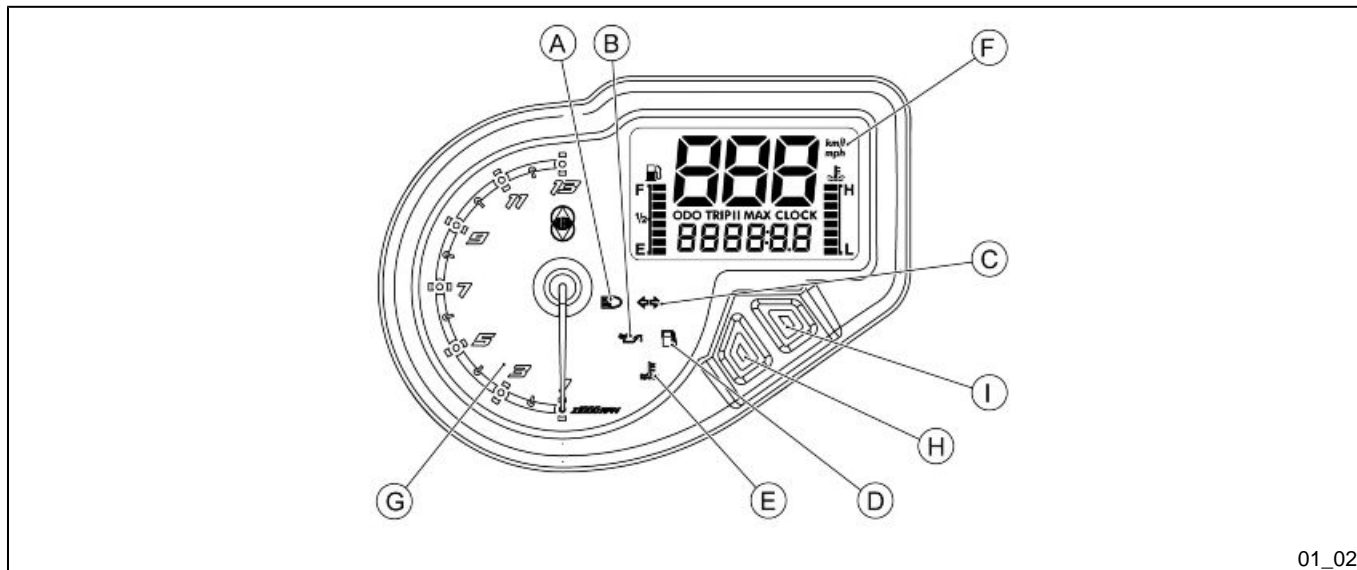
**Chap. 01
Vehicle**

Dashboard (01_01)



- A** = Rear brake control;
- B** = Turn indicator switch;
- C** = Horn button;
- D** = Lights switch;
- E** = Instrument panel;
- F** = Ignition switch;
- G** = Starter button;
- H** = Accelerator command;
- I** = Front brake command;

Instruments (01_02)

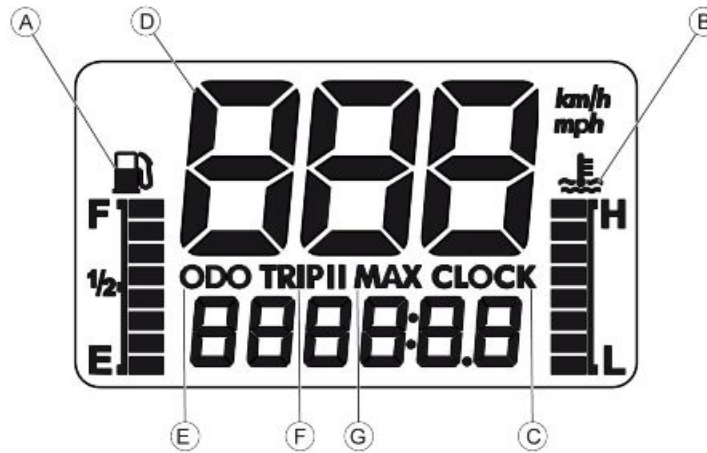


01_02

- A= High beam warning light;
- B= Mixer oil reserve warning light;
- C= Turn indicator warning light;
- D= Low fuel warning light;
- E= Coolant temperature too hot warning light;
- F= Digital display;
- G= Rpm indicator;
- H= «MODE» Key;

I= «SET» key;

Digital lcd display (01_03)



01_03

A= Fuel level gauge;

B= Coolant temperature gauge;

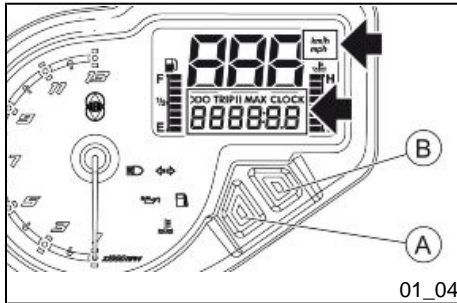
C= Digital clock;

D= Speedometer;

E= Odometer;

F= Partial odometer gauge;

G= Maximum speed indicator;



Setting the total and trip odometers (01_04)

When the "MODE" «A» key is pressed briefly, the following functions are obtained simultaneously:

1. **TOTAL ODOMETER** - the word "ODO" and "km/h" or "mph" appear (in accordance with the unit of measurement set). The value displayed corresponds to the total distance travelled by the vehicle and cannot be reset to zero.
2. **TRIP ODOMETER** - the word "TRIP I" or "TRIP II" appears and "km/h" or "mph" (in accordance with the unit of measurement set). The value shown corresponds to the distance of the journey travelled since the device was last reset to zero. The value can be reset to zero by pressing and holding (for more than 3 seconds) the "SET" «B» key.
3. **MAXIMUM SPEED**- the word "MAX" and "km/h" or "mph" appear (in accordance with the unit of measurement set). The value shown corresponds to the maximum speed reached by the vehicle and can be reset to zero by pressing and holding (for more than 3 seconds) the "SET" «B» key.
4. **CLOCK** - the word "CLOCK" appears. The displays shows the set time.

N.B.

WHEN THE VEHICLE IS STOPPED AND WITHIN FIVE SECONDS OF TURNING THE KEY SWITCH TO THE "ON" POSITION, IT IS POSSIBLE TO SWITCH FROM DISPLAYING KILOMETRES (Km/h) TO MILES (mph), BY PRESSING THE "MODE" «A» AND "SET" «B» KEYS SIMULTANEOUSLY FOR MORE THAN TEN SECONDS.

CAUTION

IT IS STRONGLY ADVISED NOT TO USE THE FUNCTIONS OF THE DIGITAL DISPLAY PANEL WHILE THE VEHICLE IS MOVING.

Setting the hour/minutes function (01_05)

To set the clock press the "SET" «B» key for more than three seconds, with the "CLOCK" function active. The figures showing the hours start to flash.

Set the hour using the "MODE" «A» key.

When the "SET" «B» key is pressed again, the figures which represent the minutes will begin to flash.

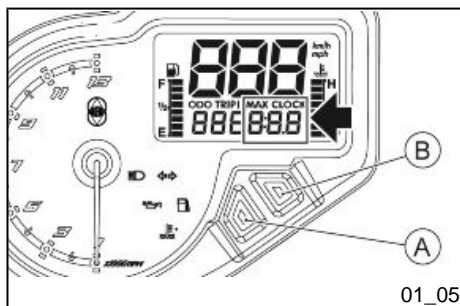
Set the minutes using the "MODE" «A» key.

Press the "SET" «B» key again for more than three seconds to exit the adjustment mode.

During the update process, not pressing any buttons for an extended period automatically end the process and the display will automatically show the modified time.

CAUTION

IT IS ONLY POSSIBLE TO SET THE TIME WHEN THE VEHICLE IS STOPPED AND THE KEY IS «ON».



01_05



Key switch (01_06)

LOCK «1» = Ignition disabled, extractable key, steering lock engaged, seat cannot be opened.

OFF «2» = Ignition disabled, extractable key, steering lock disengaged, seat can be opened.

ON «3» = Ready to start, antitheft device disabled, non-extractable key, seat can be opened.

To open the seat the key switch must be set to either the **«OFF»** or **«ON»** position.

Locking the steering wheel

Turn the handlebar to the left (as far as it will go), turn the key to **«LOCK»** and remove the key.

CAUTION



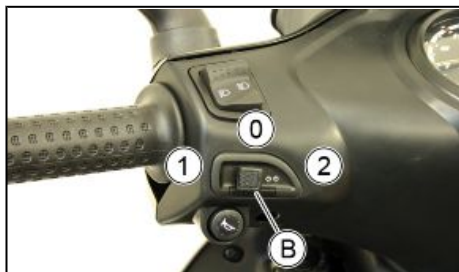
DO NOT TURN THE KEY TO «LOCK» OR «KEY OFF» WHILE RIDING.

Releasing the steering wheel

Reinsert the key and turn it to **«OFF»**.

Switch direction indicators (01_07)

To switch on the left indicator lights move lever «B» to «1», to switch on the right indicator lights move lever to «2». The lever automatically goes back to the central position and the indicators remain on. To switch of the indicator lights, move lever to «0».



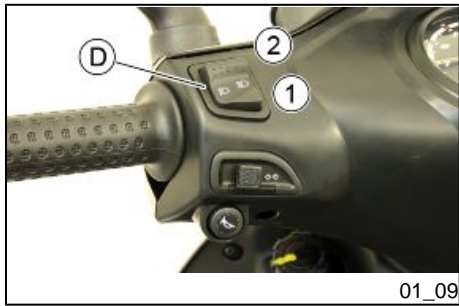
01_07

Horn button (01_08)

Push the «C» button to sound the horn.



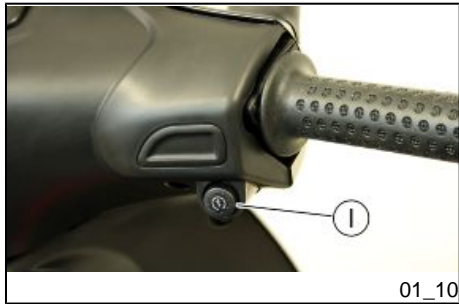
01_08



Light switch (01_09)

1 = Low-beam and taillight

2 = High-beam and tail light



Start-up button (01_10)

Press the button «I» to start the engine, after pulling one of the two brake levers



01_11

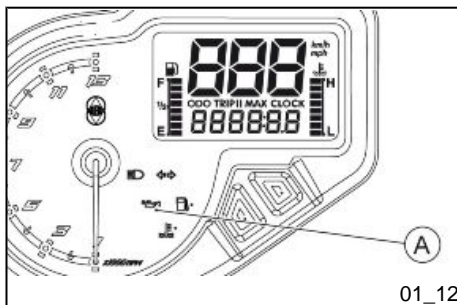
Fuel tank (01_11)

Tilt up the lock protection cover; Insert the key and turn it counter-clockwise, then pull out the cover.

Characteristic

Fuel tank capacity

7 ± 0.5 lt



01_12

Mixture oil reservoir (01_12)

The vehicle is equipped with an automatic mixer that controls the fuel-oil mix to lubricate the engine. If the low mixer oil icon on the instrument panel is lit, this means the reserve is being used. Each time the motor starts up (electrical starter), the oil mixer reserve warning light «A» must come on and then turn off when the start-up button is released. If the warning light does not come on, there is a problem with the light itself. Should this happen, contact an **Authorised Service Centre**. The minimum oil level is indicated by the dedicated warning light «A» located on the instrument panel. Should this warning light come on, the oil tank should be topped-up when next refueling, and in any case before travelling more than 150 km.



INADEQUATE ENGINE LUBRICATION OR THE USE OF OILS OTHER THAN THOSE RECOMMENDED ENGINE FAVOURS WEAR OF MOVING PARTS AND MAY RESULT IN SERIOUS DAMAGE.

Recommended products

eni i-Ride PG 2t

Synthetic based lubricant for low smoke 2-stroke engines and additives.

API TC - JASO FC - ISO-L-EGD

Characteristic

Oil mixer reservoir

Plastic, with a capacity of ~ 1.6 lt (including a ~0.6 lt reserve).

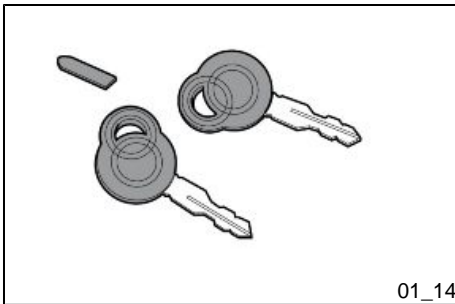
Topping up mixer oil tank

Topping up oil tank: $0.7 \div 1$ l



Opening the saddle (01_13)

Push the key switch when it is in the «ON» or «OFF» position.



Keys (01_14)

The vehicle is provided with one key and one copy, which may be used to start up the vehicle and to open the fuel tank filler cap. The keys come with a plate bearing the identification number needed to request further copies.

WARNING

WE RECOMMEND KEEPING THE DUPLICATE KEY TOGETHER WITH ITS CODE IN A SAFE PLACE AND NOT ON THE VEHICLE

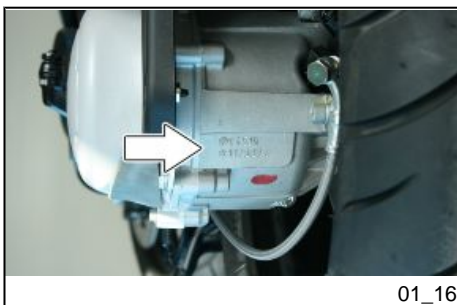
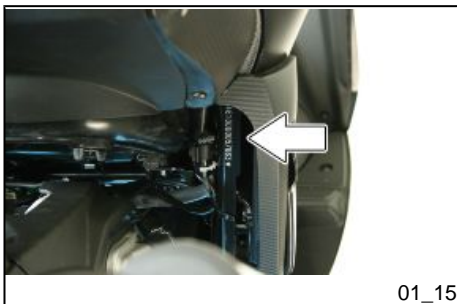
Identification (01_15, 01_16)

The identification numbers consist of a prefix stamped on the chassis and on the engine, followed by a number. They must be quoted when ordering spare parts. We recommend that you check that the prefix and chassis number stamped on the vehicle correspond with those in the vehicle documents.

CAUTION



PLEASE REMIND THAT ALTERING IDENTIFICATION REGISTRATION NUMBERS CAN LEAD TO SERIOUS PENAL SANCTIONS (IMPOUNDING OF THE VEHICLE, ETC.).



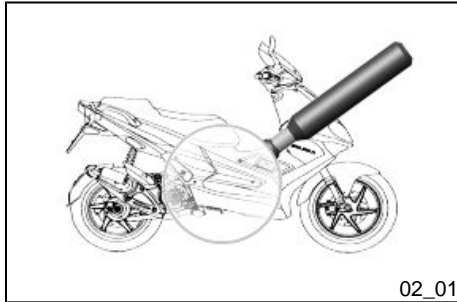
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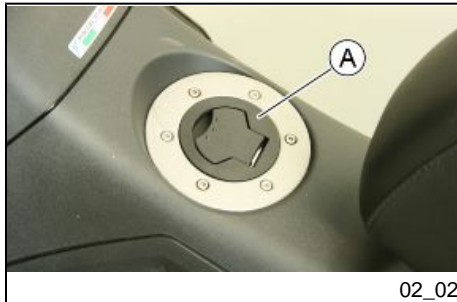
Chap. 02
Use



Checks (02_01)

BEFORE USING YOUR VEHICLE CHECK:

1. Check that the fuel and oil tanks are adequately filled.
2. Rear hub oil level.
3. Tire inflation pressure.
4. Lights and turn indicators.
5. Front and rear brakes.
6. Fluid level in the front and rear brake pump.
7. Coolant



Refuelling (02_02, 02_03, 02_04)

Fill the fuel tank with unleaded petrol «**A**» with an octane rating higher than 95.

When the fuel reaches the reserve level, the warning light «**B**» fitted on the instrument panel lights up. Top up the oil reservoir «**B**» using the recommended oil. The minimum oil level is shown by the oil warning light «**D**» fitted on the instrument panel. When the warning light turns on, then you should top up the oil reservoir the next time you stop for fuel, and in any case before travelling more than 150 km. The vehicle is equipped with an electronic checking system to control the operation of the oil mixer warning light. When the ignition switch is put into the «**ON**» position, the oil mixer reserve warning light stays on for a number of seconds to ensure its correct functioning; at the same time the digital display also performs a verification check. If the instrument check does not occur, this might indicate a possible fault in the instrument panel itself. Should this happen, contact an **Authorised Service Centre**. If the oil in the tank runs out and this does not affect the motor, you must contact the **Authorised Service Centre** to bleed the mixer pump. Should this occur it is then necessary to refill the fuel tank with at least 3 lt. of mixture consisting of 2% oil. Subsequent refueling must be performed using petrol only.



02_03

CAUTION

SHUT OFF THE ENGINE BEFORE REFUELLING WITH PETROL. PETROL IS HIGHLY FLAMMABLE. DO NOT LET PETROL SPILL FROM THE TANK OR WHILE REFUELLING

CAUTION

DO NOT BRING NAKED FLAMES OR CIGARETTES NEAR THE MOUTH OF THE FUEL TANK: FIRE HAZARD. ALSO AVOID INHALING HARMFUL VAPOURS.

CAUTION

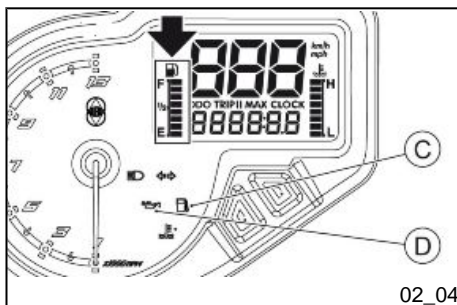
THE USE OF OILS AND SPARK PLUGS OTHER THAN THOSE RECOMMENDED CAN SHORTEN THE LIFE OF THE ENGINE.



IF ONLY THE FIRST AND THE LAST SEGMENTS OF THE FUEL LEVEL INDICATOR FLASH, CONTACT AN AUTHORISED SERVICE CENTRE TO CHECK THE FUNCTIONALITY OF THE INDICATOR.

WARNING

DO NOT RIDE WITH THE FUEL TANK ALMOST EMPTY, LACK OF FUEL CAN DAMAGE THE CATALYTIC CONVERTER.



02_04

Recommended products

eni i-Ride PG 2t

Synthetic based lubricant for low smoke 2-stroke engines and additives.
API TC - JASO FC - ISO-L-EGD

Characteristic

Fuel tank capacity

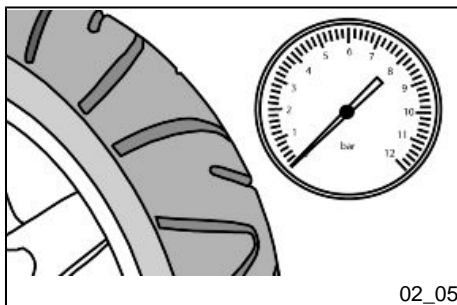
7 ± 0.5 lt

Oil mixer reservoir

Plastic, with a capacity of ~ 1.6 lt (including a ~0.6 lt reserve).

Topping up mixer oil tank

Topping up oil tank: 0.7 ÷ 1 l



Tyre pressure (02_05)

CAUTION



TYRE PRESSURE SHOULD BE CHECKED WHEN TYRES ARE COLD. INCORRECT TYRE PRESSURE CAUSES ABNORMAL TYRE WEAR AND MAKES RIDING DANGEROUS.

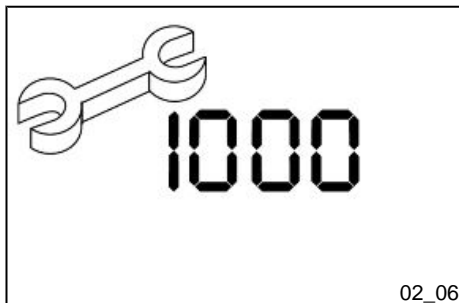
TYRES MUST BE REPLACED WHEN THE TREAD REACHES THE WEAR LIMITS SET FORTH BY LAW.

TYRES

Front tyre	Tubeless, 120/70 - 14" 55L
Rear tyre	Tubeless, 140/60 - 13" 57L

TYRE INFLATION PRESSURE

Front tyre pressure	1.7 bar
Rear tyre pressure	2.1 bar

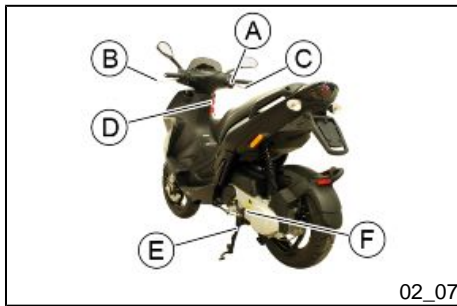


Running in (02_06)

WARNING



DURING THE FIRST 1000 KM DO NOT RIDE THE VEHICLE OVER 80% OF ITS MAXIMUM SPEED. AVOID TWISTING THE THROTTLE GRIP FULLY OR KEEPING A CONSTANT SPEED ALONG LONG SECTIONS OF ROAD. AFTER THE FIRST 1000 KM, GRADUALLY INCREASE SPEED UNTIL REACHING THE MAXIMUM PERFORMANCE.



Starting up the engine (02_07)

This vehicle is fitted with a continuously variable transmission (CVT) and automatic clutch. For this reason, the throttle must not be twisted when the engine is being started; to pull away, progressively increase the throttle opening.

This vehicle is also equipped with a vacuum fuel tap and an electric choke device which are automatically engaged when the engine is started.

In order to start the engine, pull the right, «**C**», or left hand-side brake lever, «**B**», while pressing the engine starter button, «**A**», as this will disengage the starter safety switch.

Proceed as follows:

- 1: Rest the vehicle on its centre-stand, «**E**», ensuring the rear wheel is not touching the ground.
- 2: Maintain the throttle twist-grip in the idle position.
- 3: Insert the key into the ignition key-switch, «**D**», and turn it onto the «**ON**» position.
- 4: Press the start button, «**A**», whilst pulling either the rear, «**B**», or front, «**C**», brake lever.

CAUTION



DO NOT CARRY OUT THESE OPERATIONS IN CLOSED AREAS SINCE EXHAUST GASES ARE TOXIC.

CAUTION



DUE TO THE HIGH TEMPERATURES THE CATALYTIC CONVERTER CAN REACH, ALWAYS TAKE CARE, WHEN PARKING THE VEHICLE, THAT THE EXHAUST DOES NOT COME INTO CONTACT WITH FLAMMABLE MATERIALS, TO AVOID SERIOUS BURNS.

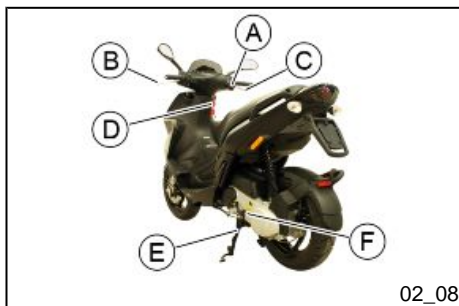
Difficult start up (02_08)

If there is a problem you can follow the instructions below:

1. If the engine is flooded. Place the vehicle on its centre stand and check that the rear wheel is off the ground. Open the throttle fully and press the starter button for five seconds and then stop for five seconds. If the engine does not start after a few attempts, let the engine sit for a few minutes and then repeat the above operations. In any case do not operate the starter motor longer than 20" in an attempt to start the engine.

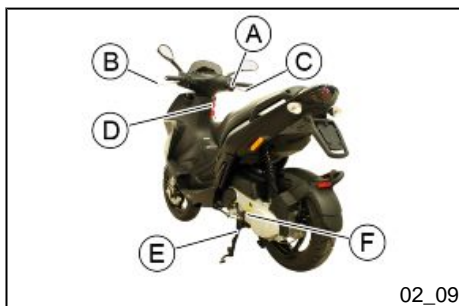
2. Battery or starter motor inefficiency. Place the vehicle on stand «E»; make sure that the rear wheel is off the ground, turn the ignition switch «D» to «ON» and use the kick-starter «F».

3. If fuel tank is empty. After having refilled the scooter, start it, using the starter switch «A» and keeping the gas hand grip at the minimum. If the vehicle fails to start even after carrying out the steps described above, contact an **Authorised Service Centre**.



Stopping the engine (02_09)

Stop acceleration, then turn the key switch «D» to «OFF» to stop the engine (extractable key).



Catalytic silencer

CAUTION



TAMPERING WITH THE CATALYTIC SILENCER MAY CAUSE SEVERE DAMAGE TO THE ENGINE.

CAUTION



WHEN PARKING THE VEHICLE, DUE TO THE HIGH TEMPERATURES THE CATALYTIC CONVERTER CAN REACH, ALWAYS BE CAREFUL THAT THE MUFFLER DOES NOT COME INTO CONTACT WITH FLAMMABLE MATERIALS, TO AVOID SERIOUS BURNS.

CAUTION



DO NOT SHUT OFF THE ENGINE WHILE THE VEHICLE IS MOVING. UNBURNED FUEL COULD ENTER THE CATALYTIC CONVERTER AND BURN, CAUSING THE CONVERTER TO OVERHEAT AND POSSIBLY DESTROYING IT.



02_10

Automatic transmission (02_10)

To ensure simple, pleasurable riding, the vehicle is equipped with automatic transmission with regulator and centrifugal clutch. The system is designed to give the best possible performance in terms of both acceleration and consumption, on level ground and uphill, thanks to the adjustments made to engine speed and transmitted torque. If you have to stop on an uphill slope (traffic lights, traffic jam, etc.) only use the brake to keep the vehicle still, leaving the motor running at idling speed. Using the motor to keep the vehicle still can cause the clutch to overheat. This problem is due to the friction of the clutch parts on the clutch bell. It is therefore recommended to avoid conditions of prolonged clutch slippage leading to clutch overheating (for example, as well as the situation described above, riding uphill fully laden on steep slopes or starting off on slopes greater than 25%, etc.):

1. Do not continue riding in such conditions.
2. Let the clutch cool down with the motor at idling speed for a few minutes



02_11

Safe driving (02_11)

WARNING



SOME SIMPLE TIPS ARE PROVIDED BELOW WHICH WILL ENABLE YOU TO USE YOUR VEHICLE ON A DAILY BASIS MORE EASILY AND SAFELY.

<

Your ability and your knowledge of the vehicle form the basis of safe riding. We recommend trying out the vehicle in traffic-free zones to get to know your vehicle completely.

ALWAYS DRIVE WITHIN YOUR LIMITS

1. Before riding off, remember to put on your helmet and fasten it correctly.
2. Reduce speed and ride cautiously on uneven roads.
3. Remember that after riding on a long stretch of wet road without using the brakes, the braking effect is initially lower. Under these conditions, it is a good idea to operate the brakes from time to time.
4. Do not brake hard on a wet surface, on dirt tracks or on any slippery road surface.
5. If you have to brake, use both brakes in order to divide the braking action between both wheels.
6. Avoid starting off by mounting the vehicle while it is still resting on its stand. In any case, the rear wheel should not be turning when it comes into contact with the ground, in order to avoid abrupt departures.
7. If the vehicle is used on roads covered with sand, mud, snow mixed with salt, etc., clean the brake disc frequently with mild detergent in order to prevent abrasive substances from building up within the holes, which can result in early wear of the brake pads.
8. Any elaboration that modifies the vehicle's performances, such as tampering with original structural parts is strictly forbidden by law, and renders the vehicle not conforming to the approved type and therefore dangerous to ride.

CAUTION

RIDING UNDER THE INFLUENCE OF ALCOHOL, DRUGS OR CERTAIN MEDICINES CAN BE EXTREMELY DANGEROUS FOR ONESELF AND FOR OTHERS.

CAUTION

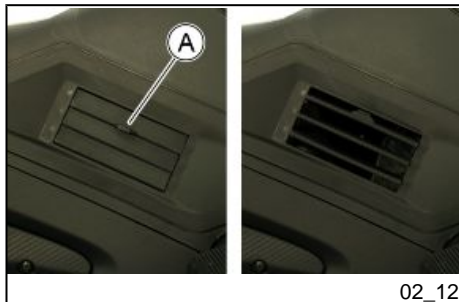
ANY ELABORATION THAT MODIFIES THE VEHICLE'S PERFORMANCES, SUCH AS TAMPERING WITH ORIGINAL STRUCTURAL PARTS IS STRICTLY FORBID-

DEN BY LAW, AND RENDERS THE VEHICLE NO LONGER CONFORMING TO THE APPROVED TYPE AND DANGEROUS FOR RIDING.

Air conveyors (02_12)

The vehicle is equipped with 2 air vents designed to draw hot air coming from the radiator to the rider, to make riding in winter or in low-temperature conditions more comfortable.

To open or close the air vents use the control «**A**» located on one of the wings.



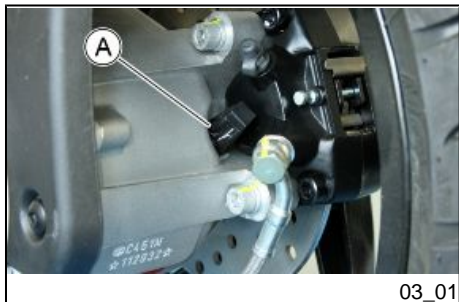
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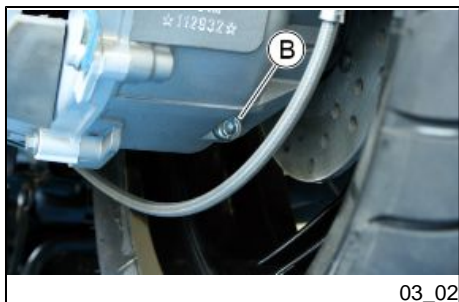
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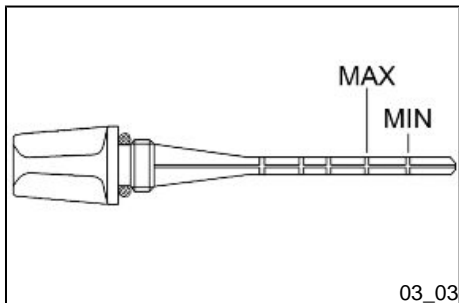
**Chap. 03
Maintenance**



03_01



03_02



03_03

Hub oil level (03_01, 03_02, 03_03)

To check the hub oil level, proceed as follows:

1. Rest the vehicle on its centre-stand and on flat ground;
2. Loosen the oil dipstick «A», dry it with a clean cloth and reinsert it, **screwing it in completely**;
3. Remove the dipstick again and check the oil level reaches **the 2nd notch from the bottom**;
4. Refit the oil dipstick and tighten it.

The screw «B» is the drainage stopper truncated oil.

CAUTION



RUNNING THE ENGINE WITH INSUFFICIENT LUBRICATION OR WITH THE INADEQUATE LUBRICANTS ACCELERATES WEAR AND TEAR OF THE MOVING PARTS AND CAN CAUSE IRRETRIEVABLE DAMAGE.

CAUTION



USED OILS CONTAIN SUBSTANCES HARMFUL TO THE ENVIRONMENT. FOR OIL REPLACEMENT, CONTACT AN AUTHORISED SERVICE CENTRE WHICH IS EQUIPPED TO DISPOSE OF USED OILS IN AN ENVIRONMENTALLY FRIENDLY AND LEGAL WAY.

N.B.

THE NOTCHES ON THE HUB OIL LEVEL DIPSTICK, EXCEPT THE ONE INDICATING THE MAXIMUM AND MINIMUM LEVEL, REFER TO OTHER MODELS BY THE MANUFACTURER AND HAVE NO SPECIFIC FUNCTION FOR THIS MODEL.

Recommended products

AGIP GEAR SAE 80W-90

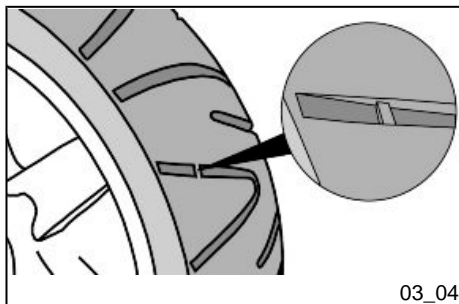
Lubricant for gearboxes and transmissions.

API GL-4

Characteristic

Rear hub oil

Quantity: approx. 75 cm³



Tyres (03_04)

CAUTION



TYRE PRESSURE SHOULD BE CHECKED WHEN TYRES ARE COLD. INCORRECT TYRE PRESSURE CAUSES ABNORMAL TYRE WEAR AND MAKES RIDING DANGEROUS.

TYRES MUST BE REPLACED WHEN THE TREAD REACHES THE WEAR LIMITS SET FORTH BY LAW.

TYRES

Front tyre	Tubeless, 120/70 - 14" 55L
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Rear tyre	Tubeless, 140/60 - 13" 57L
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TYRE INFLATION PRESSURE

Front tyre pressure	1.7 bar
Rear tyre pressure	2.1 bar



Spark plug dismantlement (03_05, 03_06)

Remove one of the two sides of the footrest, unscrewing the four fastening screws «A», one of which is under the passenger footrest.

Detach the spark plug shielded cap «B» and remove the plug with the box-spanner supplied.

To reinstall it, screw in the spark plug by hand, setting it at the necessary angle; Use the wrench only to fasten it. Carefully reinsert the screening hood.

When refitting, use caution while inserting the passenger footrest in its hole in side-panel, then tighten the four screws manually.



CAUTION



FOLLOW THESE PROCEDURES VERY CAREFULLY TO AVOID ANY SEVERE DAMAGE THAT MAY BE CAUSED BY THE VERY POWERFUL IGNITION SYSTEM.

CAUTION



THE SPARK PLUG MUST BE REMOVED WHEN THE ENGINE IS COLD.

USING IGNITION ELECTRONIC CENTRAL UNITS OR SPARK PLUGS OTHER THAN THE TYPES PRESCRIBED (SEE «TECHNICAL DATA» SECTION) CAN CAUSE SERIOUS DAMAGE TO THE ENGINE.

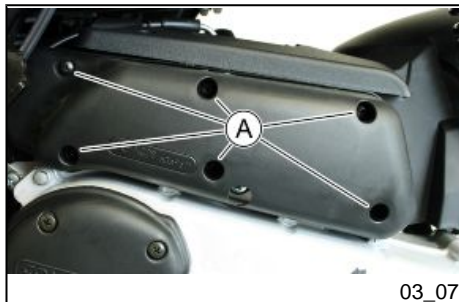
Characteristic

Spark plug

CHAMPION RN3C

electrode gap

0.45 ÷ 0.55 mm



03_07

Removing the air filter (03_07)

Proceed as follows:

- Unscrew the 6 fixing screws «A» and remove the air filter cover;
- Remove the filter element and clean it with water and shampoo; then dry it with a clean cloth and slight blows of compressed air. Finally, immerse it in a mixture containing 50% of oil of the recommended type and 50 % of petrol.
- Gently squeeze the filter element, let it drip and then refit it.

CAUTION



IF THE VEHICLE IS USED ON DUSTY ROADS IT IS NECESSARY TO CARRY OUT MAINTENANCE CHECKS OF THE AIR FILTER MORE OFTEN TO AVOID DAMAGING THE ENGINE.

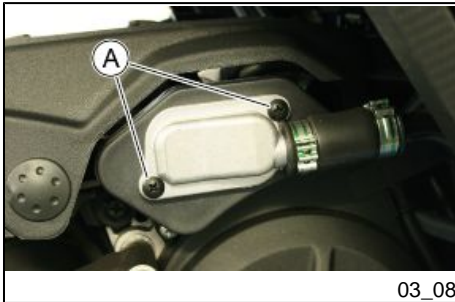
CAUTION

IN ORDER NOT TO DAMAGE THE VEHICLE PLASTIC COVERS CONTACT AN AUTHORISED SERVICE CENTRE TO HAVE THE AIR FILTER CLEANED.

Recommended products**AGIP FILTER OIL**

Special product for the treatment of foam filters.

-



03_08

Secondary air system (03_08, 03_09)

Remove the two screws «A» from the aluminium SAS cover.

Release the metal tube from the rubber housing on the cover without extracting the tube from the cover/sleeve. Remove the tab and plastic cover, extract the sponge and wash it in water and soap. Dry it with compressed air before refitting it, making sure to correctly fit the reed in the housing on the two plastic and aluminium covers.

Every time the filter is removed, replace the housing O-ring seal in the cover.

WARNING

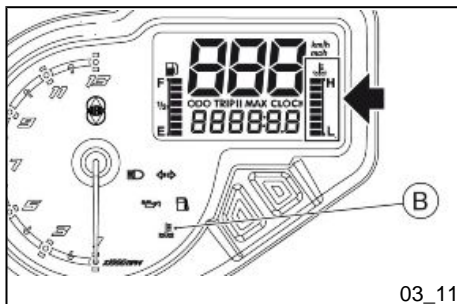
FOR THIS OPERATION, CONTACT AN AUTHORISED SERVICE CENTRE.



03_09



03_10



03_11

Cooling fluid level (03_10, 03_11)

The engine cooling takes place through a forced fluid circulation system. The cooling circuit contains around 0.50 lt of cooling fluid consisting of a mixture of 50% de-ionised water and ethylene glycol and corrosion inhibitors based antifreeze solution.

The system is equipped with a warning light «B» a coolant temperature indicator.

Under normal running conditions, the digital instrument indicator must not exceed the 5th/6th segment.

When warning light «B» lights up, the icon and the bars start flashing; if this is the case, stop the engine and let it cool off; then check the fluid level. If the fluid level is correct, contact an **Authorised Piaggio Service Centre** to find the fault that caused the system to fail.

The fluid level check must be carried out when the engine is cold, first after the first 1000 km and every 5000 km thereafter following this procedure:

- a) Put the vehicle in vertical position on its centre stand.
- b) Remove the expansion tank cap «A» by turning it anticlockwise.

The fluid level can be visually checked once the front shield central cover has been removed. If the fluid is near the minimum level, proceed with the top-up operation to be carried out when the **engine is cold**.

If it is necessary to top up the cooling fluid frequently, or if the expansion tank is completely dry, you should look for a leak in the cooling system. It is therefore absolutely necessary to have the cooling system checked at an **Authorised Service Centre**.

The cooling system fluid must be changed every 2 years. This operation must be carried out by trained technicians, please contact your nearest **Dealer or Authorised Service Centre**.

WARNING

TO AVOID THE RISK OF SCALDING, DO NOT UNSCREW THE EXPANSION TANK COVER WHILE THE ENGINE IS STILL HOT.

CAUTION

IN ORDER TO AVOID HARMFUL FLUID LEAKS WHILE DRIVING, IT IS IMPORTANT TO MAKE SURE THAT THE LEVEL NEVER EXCEEDS THE MAXIMUM VALUE.

CAUTION

IF THE FIRST AND THE LAST SEGMENTS OF THE COOLANT LEVEL INDICATOR FLASH, CONTACT AN AUTHORISED SERVICE CENTRE TO CHECK THE INDICATOR.

IF THE FIRST AND THE LAST SEGMENTS OF THE COOLANT LEVEL TEMPERATURE INDICATOR FLASH WHEN RIDING IN EXTREMELY LOW TEMPERATURE CONDITIONS -TEMPERATURE BELOW 15° C - JUST SWITCH OFF THE ENGINE AND WAIT FOR ONE MINUTE; THE FLASHING WILL AUTOMATICALLY STOP. IF THE SEGMENTS KEEP FLASHING, CONTACT AN AUTHORISED SERVICE CENTRE.

Recommended products

AGIP PERMANENT SPEZIAL

Ethylene glycol-based antifreeze fluid with organic inhibition additives. Red, ready to use.

ASTM D 3306 - ASTM D 4656 - ASTM D 4985 - CUNA NC 956-16

Checking the brake oil level (03_12, 03_13, 03_14)

The brake fluid reservoirs are fitted with a transparent indicator «A»; the amount of brake fluid seen through the transparent indicator shows the level of fluid contained in the tank.

When the indicator «A» is full, the level inside the reservoir exceeds the MIN level; when it is partially full, the level drops to the MIN level; when it is fully empty, the level of fluid in the reservoir is below the MIN level.

The brake fluid level may fall due to wear on the brake pads. In case the pad wear is below the minimum mark, contact an **Authorised Service Centre** to have the braking system thoroughly checked. If you need to top up the level, follow the steps listed below. Remove the front handlebar cover, remove the two screws «B», unscrew the two screws «C», lift the brake liquid cover «D» and add as much fluid as necessary, (the fluid level must always be above the minimum level mark). Place the handlebar in the riding position and pay attention not to tilt the vehicle in order to keep the brake fluid reservoir in horizontal position when checking the fluid level.

CAUTION

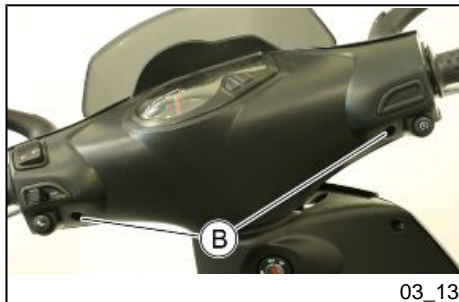


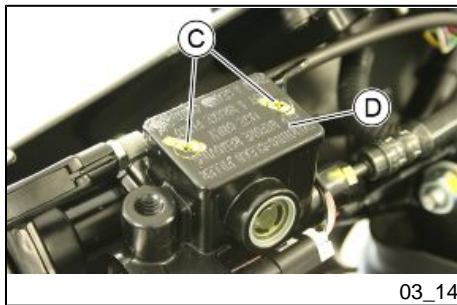
TOP-UPS SHOULD ONLY BE CARRIED OUT WITH DOT4 CLASSIFIED BRAKE FLUID.

CAUTION



THE BRAKING CIRCUIT FLUID IS HIGHLY CORROSIVE. THEREFORE, WHEN TOPPING UP, AVOID LETTING IT COME INTO CONTACT WITH THE PAINTED





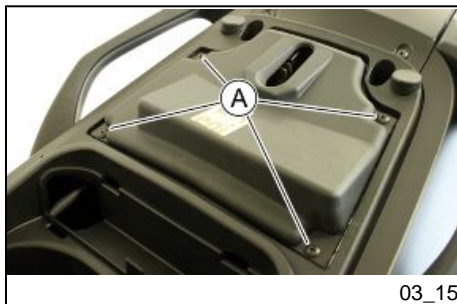
03_14

PARTS OF THE VEHICLE. THE BRAKING CIRCUIT FLUID IS HYGROSCOPIC, THAT IS, IT ABSORBS HUMIDITY FROM THE SURROUNDING AIR. IF MOISTURE CONTAINED IN THE BRAKE FLUID EXCEEDS A CERTAIN VALUE, THIS WILL RESULT IN INEFFICIENT BRAKING.

WARNING



IN NORMAL CLIMATIC CONDITIONS IT IS ADVISABLE TO REPLACE THE ABOVE-MENTIONED FLUID EVERY 2 YEAR. NEVER USE BRAKE FLUID CONTAINED IN CONTAINERS WHICH ARE ALREADY OPEN OR PARTIALLY USED.



03_15

Battery (03_15, 03_16)

The seat must be lifted in order to reach the battery. Loosen the four clamping screws "A" fitted on the cover.

To remove the battery disconnect the positive and negative cables from the vehicle's system.

The battery is the electrical device that requires the most frequent inspections and diligent maintenance.

CAUTION



IN ORDER TO AVOID DAMAGING THE ELECTRICAL SYSTEM, NEVER DISCONNECT THE WIRING WHILE THE ENGINE IS RUNNING. DO NOT TIP THE VEHICLE TOO MUCH IN ORDER TO AVOID DANGEROUS LEAKAGE OF THE BATTERY ELECTROLYTE.



03_16

CAUTION

ELECTROLYTE CONTAINS SULPHURIC ACID: AVOID CONTACT WITH EYES, SKIN AND CLOTHES. IN CASE OF ACCIDENTAL CONTACT, RINSE WITH ABUNDANT WATER AND CONSULT A DOCTOR.

WARNING

USED BATTERIES ARE HARMFUL FOR THE ENVIRONMENT. COLLECTION AND DISPOSAL SHOULD BE CARRIED OUT IN COMPLIANCE WITH REGULATIONS IN FORCE.



TAKE CARE WHEN RECONNECTING THE BATTERY BREATHER PIPE EACH TIME IT IS REINSERTED INTO ITS HOUSING. THIS IS NECESSARY AS A POTENTIAL FLUID LEAK COULD DAMAGE THE SURFACES OF THE VEHICLE.

Checking the electrolyte level

Check regularly that the electrolyte is at maximum level. Fill up **only with distilled water.**

If the battery needs filling too frequently check the electrics: the battery is probably working in overload conditions which will lead to rapid deterioration.

WARNING

DO NOT TIP THE VEHICLE TOO MUCH IN ORDER TO AVOID DANGEROUS LEAKAGE FROM THE BATTERY ELECTROLYTE.

Long periods of inactivity

Battery performance will be poor if the vehicle is not used for a long time. This is the result of the natural phenomenon of battery discharging, and may be due to residual absorption by vehicle components with constant power consumption. Poor battery performance may also be due to environmental conditions and the cleanliness of the poles. In order to avoid difficult starts and/or irreversible damage to the battery, follow any of these steps:

- **At least once a month** start the engine and run it slightly above idle speed for 10-15 minutes. This keeps all the engine components, as well as the battery, in good working order.
- Take your vehicle to a garage (as indicated in the «Vehicle not used for extended periods» section) to have the battery removed. Have the battery cleaned, charged fully and stored in a dry, ventilated place. Recharge **at least once every two months**.

N.B.

THE BATTERY MUST BE CHARGED WITH A CURRENT EQUAL TO 1/10 OF THE RATED CAPACITY OF THE BATTERY AND FOR NOT LONGER THAN 10 HOURS. CONTACT AN AUTHORISED SERVICE CENTRE TO CARRY OUT THIS OPERATION SAFELY. WHEN REFITTING THE BATTERY MAKE SURE THE LEADS ARE CORRECTLY CONNECTED TO THE TERMINALS.

WARNING

DO NOT DISCONNECT THE BATTERY CABLES WITH THE ENGINE RUNNING, THIS CAN CAUSE IRREPARABLE DAMAGE TO THE VEHICLE'S ELECTRONIC CONTROL UNIT.

WARNING

USED BATTERIES ARE HARMFUL FOR THE ENVIRONMENT. COLLECTION AND DISPOSAL SHOULD BE CARRIED OUT IN COMPLIANCE WITH REGULATIONS IN FORCE.



03_17

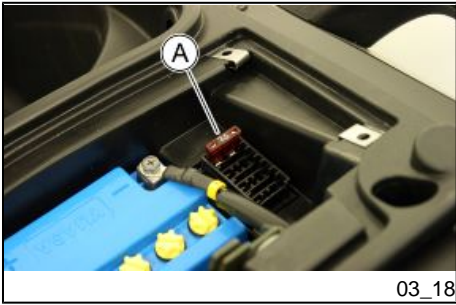
Fuses (03_17, 03_18)

The electrical system is protected by a fuse valve «A» located to the side of the battery. The ignition system, the front headlight, the front and rear daylight running lights and the rear headlamp are not protected by a fuse.

If, after a fuse has been replaced it blows again, the vehicle must be brought to an **Authorised Service Centre** to identify the cause of the fault. Do not substitute the fuse with any alternative form of conductor

Electric characteristic**Main fuse**

7.5 A



03_18

LIGHT BULBS TABLE

Low-beam bulb	Type: H8 Power: 12V - 35W Quantity: 1
High-beam light bulb	Type: H8 Power: 12V - 35W Quantity: 1
Front tail light bulb	Type: All glass Power: 12V - 3W Quantity: 2
Front turn indicator light bulb	Type: Spherical Power: 12V - 10W

Quantity: 1 RHS + 1 LHS

Rear turn indicator light bulb

Type: Spherical

Power: 12V - 10W

Quantity: 1 RHS + 1 LHS

Stop light bulb

Type: SPHERICAL

Power: 12V - 10W

Quantity: 2

Rear tail light bulb

Type: All glass

Power: 12V - 3W

Quantity: 2



Front light group (03_19, 03_20, 03_21)

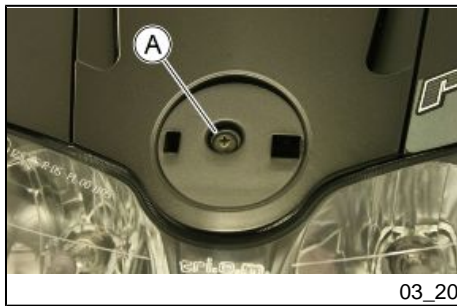
In order to reach the headlamp bulb remove the snap-on Gilera shield, located on the front shield, by inserting the blade of a small screwdriver in the corresponding lateral notch, being careful not to scratch the paint. Then loosen the screw «A» underneath and lift up the front shield centre cover.

Then follow this procedure:

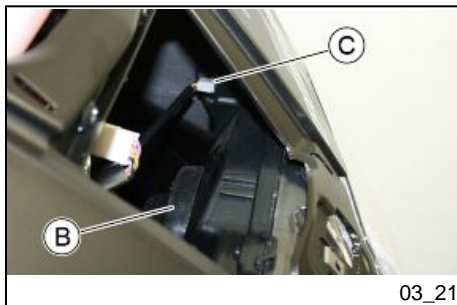
High and low beam bulb:

1. remove the rubber cover «B», take hold of the bulb holder and rotate it upwards by 30°;
2. disconnect the bulb connector and change the bulb.

Tail lights:



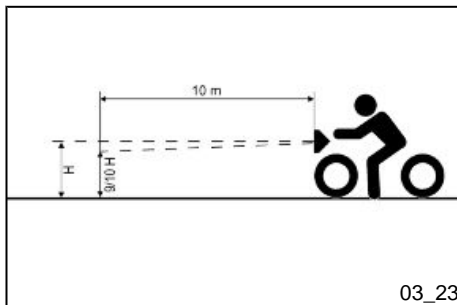
1. remove the rubber bulb holder «C» from its housing, then remove the bulb and replace it.



Headlight adjustment (03_22, 03_23)

Proceed as follows:

1. Place the vehicle in running order and with the tyres inflated to the prescribed pressure, on a flat surface 10 m away from a white screen situated in a shaded area, making sure that the longitudinal axis of the scooter is perpendicular to the screen;
2. Turn on the headlight and check that the borderline of the projected light beam on the screen is not lower than 9/10 of the distance from the ground to the centre of vehicle headlamp and higher than 7/10;
3. Otherwise, regulate the headlamp by adjusting the screw "A", which can be reached after having removed the Piaggio shield cover.

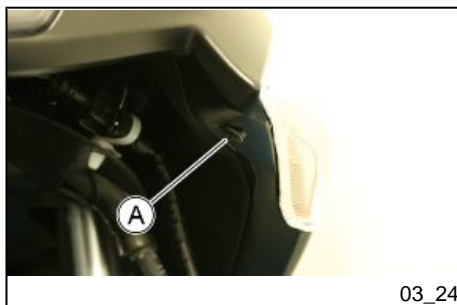


N.B.

THE ABOVE PROCEDURE COMPLIES WITH THE EUROPEAN STANDARDS REGARDING MAXIMUM AND MINIMUM HEIGHT OF LIGHT BEAMS. REFER TO THE STATUTORY REGULATIONS IN FORCE IN EVERY COUNTRY WHERE THE VEHICLE IS USED.

Front direction indicators (03_24, 03_25)

To replace the bulbs of the front indicators, remove the entire light by removing the fixing screw «A», remove the rubber cover «B», and remove the bulb holder «C» from its housing; press the bulb slightly, turn it about 30° and then extract it. Follow the process in reverse order to refit.





Rear optical unit (03_26, 03_27, 03_28, 03_29)

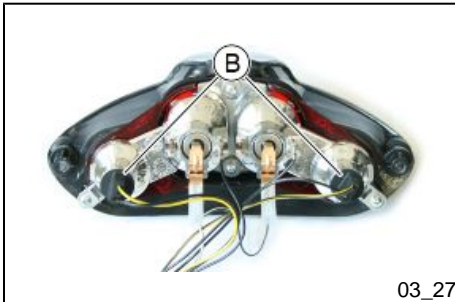
To access the rear taillight bulbs, remove the two screws «A», then pull out the entire light and proceed as follows:

Daylight running light bulbs (side):

Both the bulbholders and the daylight running lights «B» are clipped on the their respective supports, it is therefore sufficient to remove the bulbholder from the headlamp, remove the bulb, and replace it with a new one.

Stop light bulbs(centre):

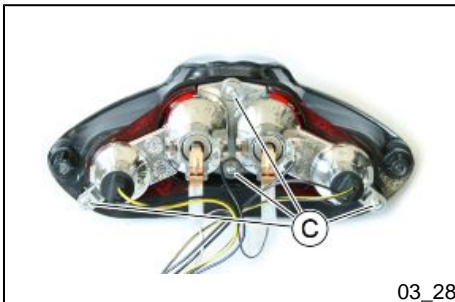
In order to access the stop lights it is necessary to remove the rear light by unscrewing the four fixing screws «C» on the transparent headlamp support, then rotate the burnt bulb 30° in an anticlockwise direction, remove it and replace it.

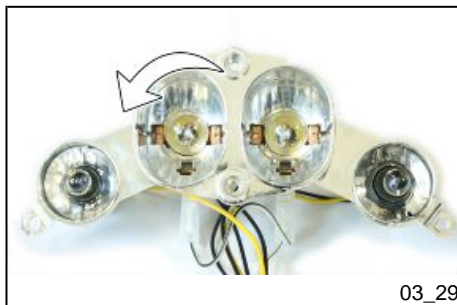


WARNING

IF MISTING IS NOTICED ON THE INSIDE OF THE HEADLAMP GLASS, THIS DOES NOT INDICATE A FAULT AND IS ATTRIBUTABLE TO HUMIDITY AND/OR TO LOW TEMPERATURES.

THE PHENOMENON SHOULD QUICKLY DISAPPEAR WHEN THE LIGHT IS SWITCHED ON.

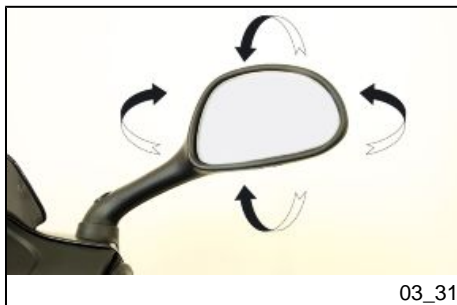




Rear turn indicators (03_30)

Unscrew the screw «A» on the back of the turn indicator and remove the protective glass. Hold the bulb gently and make a 30° anticlockwise turn; then remove it from the support and replace it.

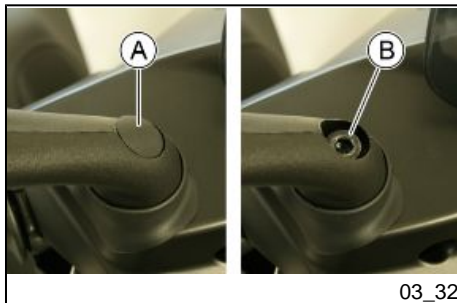




03_31

Rear-view mirrors (03_31, 03_32)

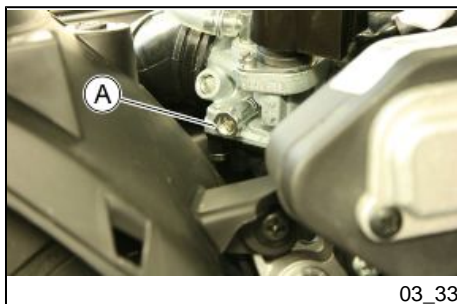
The mirrors can be set to the desired position by adjusting the mirror frame.



03_32

The mirrors must be adjusted so that the shafts are perpendicular to the vehicle's direction axis.

To adjust the mirror angle, remove the rubber cap «A», loosen the screw «B» located at the base of the stem and tighten it once the desired position is achieved.



03_33

Idle adjustment (03_33, 03_34, 03_35, 03_36, 03_37, 03_38)

The idle speed is adjusted by means of the idle speed adjuster screw «A»; located on the carburettor.

To do this you must lift the seat, remove the access door on the bottom of the helmet compartment by unscrewing the five screws «B», then remove the plastic cover below by unscrewing the four screws «C». Adjust the idle speed with the rear wheel off the ground (vehicle on stand) and with a warm engine: Screw or unscrew the knob-type head screw until the engine idles smoothly, i.e. without the rear wheel being moved by the engine.



03_34

To adjust the throttle transmission clearance it is necessary to intervene on the adjustment screw «C» located on the upper part of the carburettor. Once this operation is finished, refit the rubber cap protecting the adjustment screw.

CAUTION



WHEN ADJUSTING IDLE SPEED, PAY SPECIAL ATTENTION NOT TO TOUCH THE CATALYTIC MUFFLER TO AVOID BURNS.



SHOULD THERE BE PROBLEMS DURING THE IDLE SPEED ADJUSTMENT OPERATION, IT MAY BE NECESSARY TO ADJUST THE LEVEL OF EXHAUST EMISSIONS (CO). TURN TO AN AUTHORISED SERVICE CENTRE TO CARRY OUT THESE OPERATIONS.

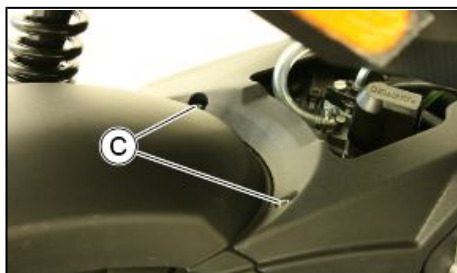
Characteristic

Engine idle speed

1800 ± 100 rpm



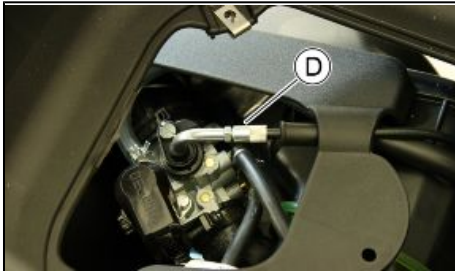
03_35



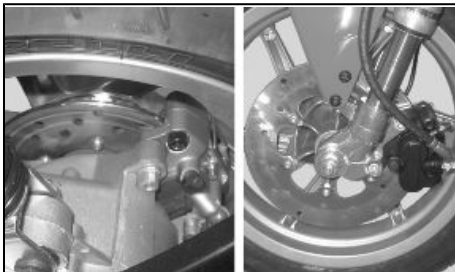
03_36



03_37



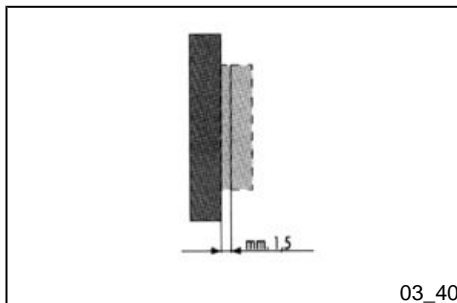
03_38



03_39

Front and rear disc brake (03_39, 03_40)

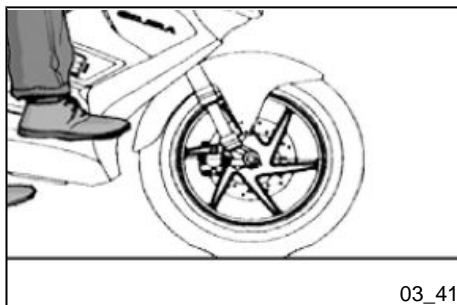
The brake disc and pad wear is automatically compensated, therefore it has no effect on the functioning of the front and rear brakes. For this reason it is not necessary to adjust the brakes. An excessively elastic brake lever stroke may indicate the presence of air in the braking circuit or an irregular brake operation. In this case, particularly considering the importance of the brakes in terms of safety, it is strongly recommended that you take the vehicle to an **Authorised Service Centre** as soon as possible for the appropriate checks.

**CAUTION**

BRAKING SHOULD BEGIN AFTER ABOUT 1/3 OF THE BRAKE LEVER STROKE.



CHECK THE BRAKE PADS REGULARLY (EVERY 5000 KM). IF THE THICKNESS OF ONE OR BOTH PADS IS IN THE REGION OF 1.5 MM, BOTH PADS MUST BE CHANGED. IT IS RECOMMENDED TO CARRY OUT THIS OPERATION AT AN AUTHORISED SERVICE CENTRE AS SOON AS POSSIBLE. AFTER FITTING NEW BRAKE PADS DO NOT USE THE VEHICLE UNTIL YOU HAVE ACTIVATED THE BRAKE LEVER REPEATEDLY TO POSITION THE PADS AND RESTORE THE LEVER STROKE TO ITS CORRECT POSITION.

**Puncture (03_41)**

The vehicle is equipped with Tubeless tyres. When there is a puncture, Tubeless tyres -unlike balloon tyres- go flat very slowly. This offers greater riding safety. A tyre that goes flat very slowly can be repaired with an "INFLATE AND REPAIR" spray. Tyres should be later fully repaired or replaced at an **Authorised Service Centre**.



Periods of inactivity (03_42)

The following operations are recommended:

1. General cleaning of vehicle.
2. With the engine off and the piston at the bottom dead centre position, **remove the spark plug**, and pour 1-2 cm³ of recommended oil through its hole. Press the engine start pedal 3 or 4 times letting the engine perform a few revolutions slowly, then replace the spark plug.
3. Drain up all the vehicle fuel; spread antirust grease on the uncoated metal parts; keep the wheels off the ground, by resting the chassis on two wooden wedges.
4. For the battery, follow the procedures described in the «Battery» section.
5. Drain the petrol from the carburettor float chamber through the bleed cap.

Recommended products

eni i-Ride PG 2t

Synthetic based lubricant for low smoke 2-stroke engines and additives.

API TC - JASO FC - ISO-L-EGD

Cleaning the vehicle

In order to soften the dirt and mud deposited on the painted surfaces, use a low pressure jet of water. Once softened, mud and dirt must be removed with a soft sponge for bodywork soaked in lots of water and "shampoo" (2-4% of car shampoo in water). Then rinse abundantly with water, and dry with a shammy cloth. For the motor exterior use petroleum, a brush and clean rags. Petroleum can damage paintwork. Remember that any polishing with silicon wax must always be preceded by washing.

CAUTION

DETERGENTS POLLUTE WATER. THEREFORE THE VEHICLE SHOULD BE WASHED IN AN AREA EQUIPPED FOR THE COLLECTION AND PURIFICATION OF THE LIQUIDS USED.

WARNING

NEVER WASH THE VEHICLE UNDER DIRECT SUNLIGHT, ESPECIALLY IN SUMMER WHEN THE BODYWORK IS STILL HOT, AS THE CAR SHAMPOO MAY DRY BEFORE BEING RINSED OFF, AND COULD DAMAGE THE PAINTWORK. NEVER USE RAGS SOAKED IN PETROL OR DIESEL OIL TO CLEAN THE PAINTED OR PLASTIC SURFACES, IN ORDER TO PREVENT THEM LOSING THEIR SHINE AND MECHANICAL CHARACTERISTICS.

WARNING

WHEN WASHING THE ENGINE WITH A HIGH-PRESSURE WATER JET:

- ONLY USE FAN SPRAY JETS.
- DO NOT PLACE THE NOZZLE CLOSER THAN 60 CM.
- DO NOT USE WATER AT TEMPERATURES OVER 40° C.
- DO NOT DIRECT THE JETS DIRECTLY TO CARBURETTOR, WIRINGS, SLOT DIFFUSERS ON THE TRANSMISSION COVER AND SCROLL COVER.



WHEN CLEANING THE DASHBOARD, IT IS ADVISABLE THAT YOU DO NOT USE ALCOHOL-BASED DETERGENTS OR SIMILAR.

WARNING

USE AN ANTISTATIC CLOTH TO CLEAN THE DISPLAY AREA ON THE CONTROL PANEL. IF AN ANTISTATIC CLOTH IS NOT USED, BLACK LINES MAY APPEAR ON THE DISPLAY, BUT THESE SHOULD DISAPPEAR QUICKLY AFTER THE ENGINE IS SWITCHED ON AND OFF A FEW TIMES IN NORMAL USE.

DIFFICULT STARTING

No fuel in tank	Refuel
Filters, jets or carburettor body dirty or clogged.	Contact an Authorised Service Centre .
Insufficient battery charge	Kick-start. Recharge the battery.

IGNITION PROBLEMS

No spark from spark plug. Due to the presence of high voltage, this check should only be carried out by an expert.	Check that the electrodes are properly adjusted (0.45÷0.55 mm). Check that the electrodes are clean (use pure petrol and a metal brush or an emery cloth). Check the spark plug insulator: Replace the spark plug if the insulator is cracked or broken. If the spark plug is in good conditions, contact an Authorised Service Centre .
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LACK OF COMPRESSION

Spark plug loose. Loose cylinder head, worn piston retaining rings.	Contact an Authorised Service Centre .
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HIGH CONSUMPTION AND LOW PERFORMANCE

Air filter blocked or dirty.	Clean with water and shampoo and impregnate with petrol and specific oil («Air filter removal» section)
------------------------------	---

INSUFFICIENT BRAKING

Greasy disc. Worn pads.	Contact an Authorised Service Centre .
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Air in the brake assembly.	Contact an Authorised Service Centre .
----------------------------	---

INEFFICIENT SUSPENSION

Oil leak; worn limit switch bumpers; worn shock absorber attachment points	Contact an Authorised Service Centre
--	---

AUTOMATIC TRANSMISSION PROBLEMS

Deteriorated roller housing or belt.	Contact an Authorised Service Centre .
--------------------------------------	---

INCREASED EXHAUST NOISE

Deterioration of the SAS system and/or of the tab	Contact an Authorised Service Centre .
---	---

STAND DOES NOT RETURN TO POSITION

Presence of dirt	Clean and grease
------------------	------------------

STARTER LEVER DOES NOT RETURN TO CORRECT POSITION

Presence of dirt	Clean and grease
------------------	------------------

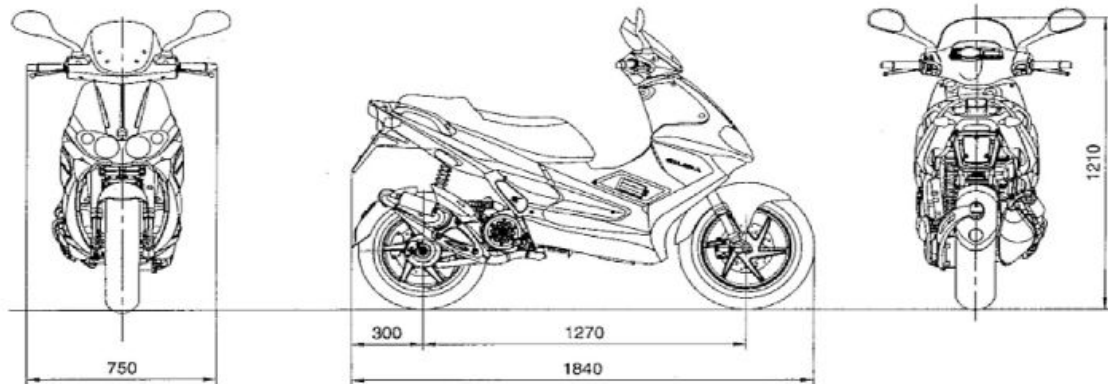
Runner 50 2T



GILERA®



Chap. 04
Technical data



VEHICLE SPECIFICATIONS

Chassis	Modular double cradle frame made of welded tubular steel with sheet metal reinforcement.
Maximum length	1840 mm
Maximum width	750 mm
Wheelbase	1,270 mm
Seat height	810 mm
Kerb weight	103±5 kg
Maximum weight limit	295 kg
Front suspension	Coil spring and shock absorber.
Rear suspension	Coil spring and shock absorber.
Wheels	Light alloy rims: FRONT 3.00 x 14" REAR 3.50 x 13"
Front tyre	Tubeless, 120/70 - 14" 55L
Rear tyre	Tubeless, 140/60 - 13" 57L
Front tyre pressure	1.7 bar
Rear tyre pressure	2.1 bar
Front brake	Ø 220 mm disc brake with twin plunger calipers, with hydraulic control by a handlebar right lever.

Rear brake	Ø 175 mm disc brake with single plunger calipers, with hydraulic control by a handlebar left lever.
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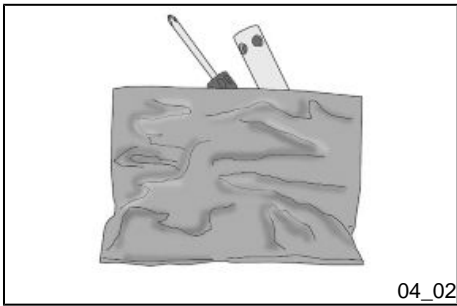
ENGINE SPECIFICATIONS

ENGINE	single cylinder; 2-stroke
Bore x stroke	40 X 39.3 mm
Engine capacity	49 cm ³
Compression ratio	12 ± 0.8
Ignition advance (before TDC)	16° ± 1° at 4,000 rpm
Idle speed	1800 ± 100 rpm
Max. power	3.3 kW at 7,250 rpm
MAX. torque	4.7 Nm at 6,000 rpm
Dellorto Carburettor	PHVA 17.5
Recommended spark plug	CHAMPION RN3C
Fuel system	Petrol-oil mixture by carburettor, automatic mixer (variable flow according to engine speed and throttle valve opening) fuel pump and a vacuum-operated cock.
Intake	Through reed valve on crankcase
Lubrication	Engine lubrication (piston, cylinder, crankshaft, main bearings) with mixer oil.
Cooling	Forced-circulation coolant system.

Transmission	With continuously variable expandable pulley transmission with torque server, V belt, automatic clutch, gear reduction unit and transmission housing with forced air circulation cooling.
Electronic ignition	A capacitor discharge microprocessor device, with built-in HV coil.
Exhaust silencer	Expanding, absorption type with double catalytic converter and tabbed SAS system.

CAPACITIES

Fuel tank capacity	7 ± 0.5 lt
Oil mixer reservoir	Plastic, with a capacity of ~ 1.6 lt (including a ~0.6 lt reserve).
Rear hub oil	Quantity: approx. 75 cm ³
Cooling system fluid	0.5 l



Toolkit (04_02)

Wrenches: one box-spanner (13 -21 mm); one twin screwdriver. The tools are located under the seat in a specific container.

Runner 50 2T



Chap. 05
Spare parts and
accessories



05_01



05_02

Warnings (05_01, 05_02)

CAUTION



WE STRONGLY RECOMMEND USING ORIGINAL PIAGGIO-GILERA SPARE PARTS, THE ONLY PARTS THAT GUARANTEE THE SAME QUALITY LEVEL AS THE ORIGINAL PARTS ASSEMBLED ON THE VEHICLE.

IT SHOULD BE REMEMBERED THAT USING NON-ORIGINAL SPARE PARTS CAUSES YOUR WARRANTY RIGHTS TO EXPIRE.

CAUTION



PIAGGIO-GILERA MARKETS ITS OWN LINE OF ACCESSORIES, WHICH ARE COVERED BY A MANUFACTURER'S WARRANTY ON THE BASIS OF THEIR USE. IT IS THEREFORE ABSOLUTELY NECESSARY TO CONTACT AN AUTHORISED PIAGGIO-GILERA DEALER OR SERVICE CENTRE TO CHOOSE THEM AND HAVE THEM CORRECTLY ASSEMBLED. THE USE OF NON-ORIGINAL ACCESSORIES MAY AFFECT THE STABILITY AND OPERATION OF YOUR VEHICLE AND REDUCE SAFETY LEVELS WITH POTENTIAL RISKS FOR THE RIDER.

Runner 50 2T



GILERA®



**Chap. 06
Scheduled
maintenance**



Scheduled servicing table (06_01)

Adequate maintenance is fundamental to ensuring long-lasting, optimum operation and performance of your vehicle.

To this end, a series of checks and maintenance operations (at the owner's expense) have been suggested, which are included in the summary table on the following page. Any minor faults should be reported without delay to an **Authorised Service Centre or Dealer** without waiting until the next scheduled service to solve it.

It is indispensable to have your vehicle serviced to the prescribed intervals of time, even if you have not reached the predicted mileage. Punctual vehicle servicing is necessary for the correct use of the guarantee. For any further information concerning Warranty procedures and 'Scheduled Maintenance', please refer to the 'Warranty Booklet'.

MAINTENANCE TABLE

km x 1,000	1	5	10	15	20	25	30	35	40	45	50	55	60
Safety fasteners	I		I		I		I		I		I		I
Spark plug		I	R	I	R	I	R	I	R	I	R	I	R
Drive belt			I	R	I		R		I	R	I		R
Mixer belt					R				R				R
Throttle control - mixer	A	A	A	A	A	A	A	A	A	A	A	A	A
Air filter		C	C	C	C	C	C	C	C	C	C	C	C
SAS filter			I	C	I		C		I	C	I		C
Electrical system and battery	I	I	I	I	I	I	I	I	I	I	I	I	I
Brake levers	L	L	L	L	L	L	L	L	L	L	L	L	L
Brake fluid **	I	I	I	I	I	I	I	I	I	I	I	I	I

km x 1,000	1	5	10	15	20	25	30	35	40	45	50	55	60
Coolant **		I	I	I	I	I	I	I	I	I	I	I	I
Mixer	I	I	I	I	I	I	I	I	I	I	I	I	I
Mixer oil*	I	I	I	I	I	I	I	I	I	I	I	I	I
Hub oil	R	I	R	I	R	I	R	I	R	I	R	I	R
Headlight direction adjustment			A		A		A		A		A		A
Brake Pads/Shoes	I	I	I	I	I	I	I	I	I	I	I	I	I
Sliding shoes / CVT rollers			R		R		R		R		R		R
Tyre pressure and wear	I	I	I	I	I	I	I	I	I	I	I	I	I
Vehicle road test	I	I	I	I	I	I	I	I	I	I	I	I	I
Idle speed	A		A		A		A		A		A		A
Odometer gear	L		L		L		L		L		L		L
Suspension			I		I		I		I		I		I
Steering	A		I		I		I		I		I		I
Transmission			L		L		L		L		L		L
Mixer oil pipes	I		I		I		I		I		I		I

I: INSPECT AND CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY

C: CLEAN, R: REPLACE, A: ADJUST, L: LUBRICATE

Clean the SAS air filter every 2 years

** Check level every 500 km*

*** Replace every 2 years*

RECOMMENDED PRODUCTS TABLE

Product	Description	Specifications
AGIP GEAR SAE 80W-90	Lubricant for gearboxes and transmissions.	API GL-4
AGIP FILTER OIL	Special product for the treatment of foam filters.	-
eni i-Ride PG 2t	Synthetic based lubricant for low smoke 2-stroke engines and additives.	API TC - JASO FC - ISO-L-EGD
AGIP GP 330	Water repellent stringy calcium spray grease.	R.I.D./A.D.R. 2 10°b) 2 R.I.Na. 2.42 - I.A.T.A. 2 - I.M.D.G. class 2 UN 1950 Page 9022 EM 25-89
AGIP GREASE SM 2	Gray black smooth-textured lithium grease, containing molybdenum disulphide.	-
AGIP BRAKE 4	Brake fluid.	Synthetic fluid SAE J 1703 - FMVSS 116 - DOT 3/4 - ISO 4925 - CUNA NC 956 DOT 4
MONTBLANC MOLYBDENUM GREASE	-	Grease with molybdenum disulphide
AGIP GREASE PV2	Ivory smooth-textured, slightly-stringy anhydrous calcium-base grease.	TL 9150 066, symbol NATO G 460
AGIP PERMANENT SPEZIAL	Ethylene glycol-based antifreeze fluid with organic inhibition additives. Red, ready to use.	ASTM D 3306 - ASTM D 4656 - ASTM D 4985 - CUNA NC 956-16

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