

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 PJ



The instructions given in this booklet are intended to provide a clear, simple guide to using your scooter; details are also given of routine maintenance procedures and regular checks that should be carried out on the vehicle at and **Authorized PIAGGIO 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 **authorized PIAGGIO Dealer or Service Centre**.



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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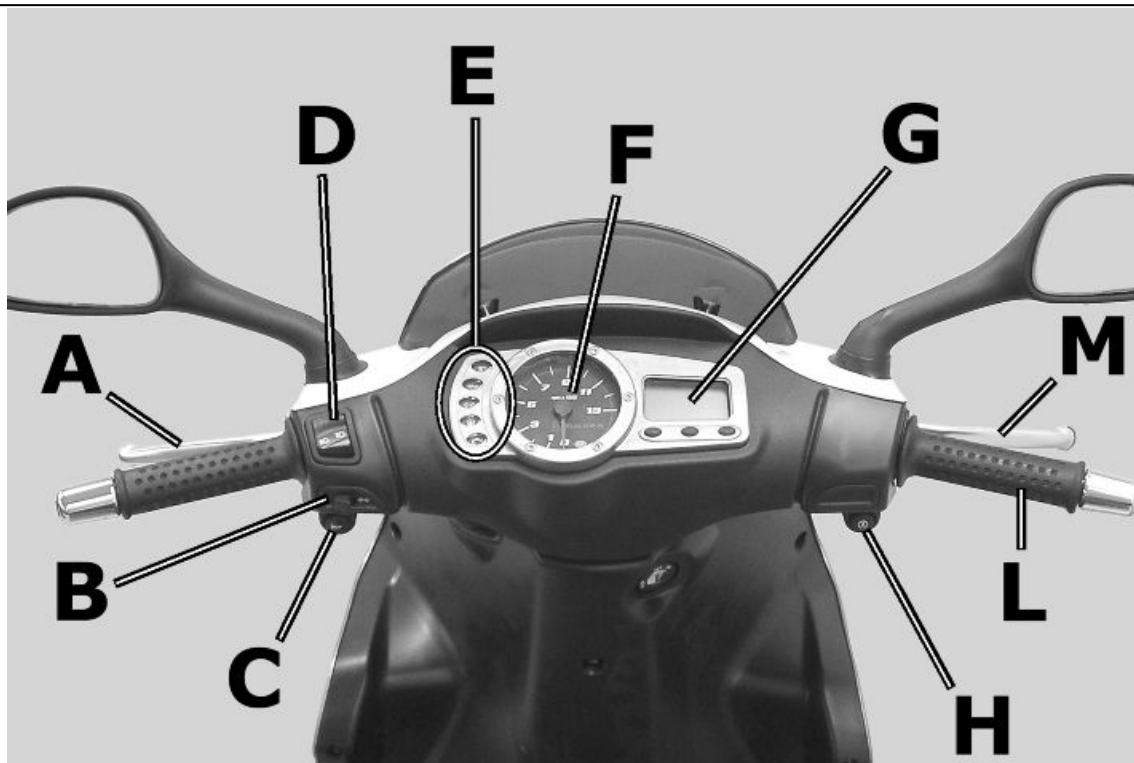
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**Chap. 01
Vehicle**

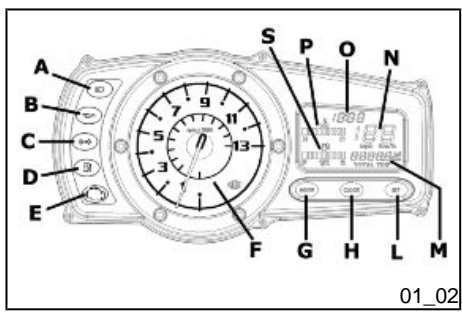


01_01

Dashboard (01_01)

A = Rear brake control;

- B = Turn indicator switch;
- C = Horn button;
- D = Lights switch;
- E = Warning lights;
- F = Rpm indicator;
- G = Digital instrument panel;
- H = Start-up button;
- L = Throttle control;
- M = Front brake control;



Instruments (01_02)

- A = High-beam warning light
- B= Low-oil warning light
- C = Turn signal warning light

- D = Low-fuel warning light
- E = Engine warning light
- F = Tachometer
- G = "Mode" button
- H = "Clock" button
- L = "Set" button
- M = Total/Trip
- N = Speedometer
- O = Clock
- P = Coolant temperature gauge
- S = Fuel level gauge



Digital lcd display (01_03)

A= Fuel level gauge;

B= Coolant temperature gauge;

C= Digital clock;

D= Speedometer;

E= Odometer;

F= Partial odometer gauge;

G= Total odometer gauge;

Setting the total and trip odometers

Pushing the "**MODE**" button for less than a second obtains, respectively, the functions of:

1. **TOTAL** - The word "**TOTAL**" appears and **Km/h** or **mph**. The value corresponds to the total distance travelled by the vehicle and it is not adjustable.
2. **PARTIAL**- The word "**TRIP**" appears and **Km/h** or **mph**. The value can be changed by pressing and holding the "**SET**" button for longer than three seconds.

N.B.

IT IS POSSIBLE TO CHANGE THE DISPLAY FROM KILOMETRES (km/h) TO MILES (mph) BY PRESSING THE "MODE" AND "CLOCK" BUTTONS AT THE SAME TIME AND HOLDING THEM FOR LONGER THAN THREE SECONDS AFTER PUTTING THE KEY SWITCH IN THE «ON» POSITION.

ON THE DISPLAY THE WORD "SET" WILL APPEAR FOR ONE SECOND

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

To set the clock push and hold the «**CLOCK**» button for longer than three seconds. The figures showing the hours start to flash.

Set the hours using the «**SET**» button.

Push the «**CLOCK**» button again and the minutes numbers start flashing.

Set the minutes using the «**SET**» button.

Press the «**CLOCK**» button again to start the clock moving normally.

During the reset process, not pressing any buttons for 8 seconds ends the process and the display will automatically show the modified time.

N.B.

WHEN THE TIME IS «P.M.» THE NUMBER "0" IS DISPLAYED AFTER THE NUMBER "11". WHEN THE TIME IS «A.M.» THE NUMBER «12» IS DISPLAYED.

CAUTION

THE «CLOCK» BUTTON IS ENABLED ONLY WHEN THE ENGINE IS OFF AND THE KEY IS TURNED TO «ON».



Key switch (01_04)

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

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

ON = Ignition enabled, antitheft protection disconnected, 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



NEVER TURN THE KEY TO «LOCK» OR «OFF» WHILE RIDING.

Releasing the steering wheel

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

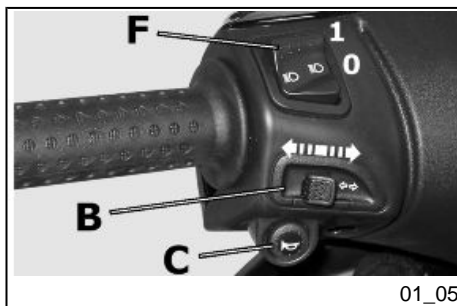
CAUTION

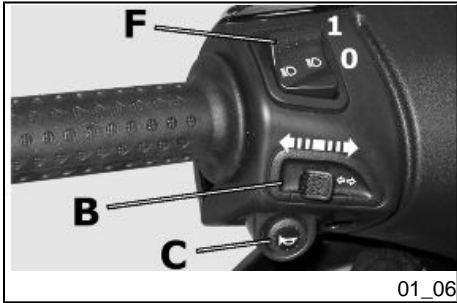


NEVER TURN THE KEY TO «LOCK» OR «OFF» WHILE RIDING.

Switch direction indicators (01_05)

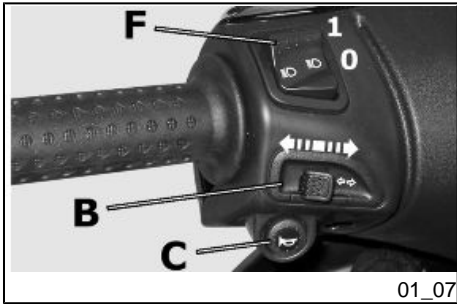
To set the left turn indicators flashing, move lever «**B**» to the left; to set the right turn indicators flashing, move it to the right. The lever automatically returns to the central position and the indicators remain on. To turn the indicators off, press the lever towards the switch.





Horn button (01_06)

Push the «C» button to sound the horn.



Light switch (01_07)

0 = Low-beam and taillight

1 = High-beam and taillight

Start-up button (01_08)

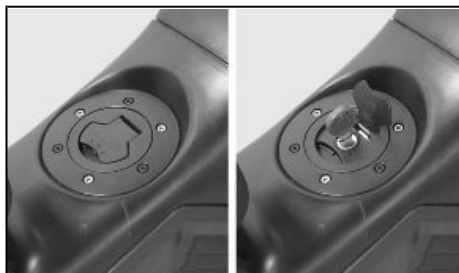
Press the button «E» to start the engine, after pulling one of the two brake levers



01_08

Fuel tank (01_09)

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



01_09



Opening the saddle (01_10)

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



Keys (01_11)

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

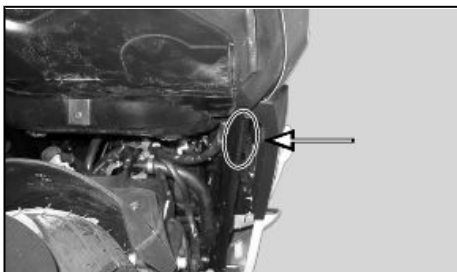
Identification (01_12, 01_13)

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.

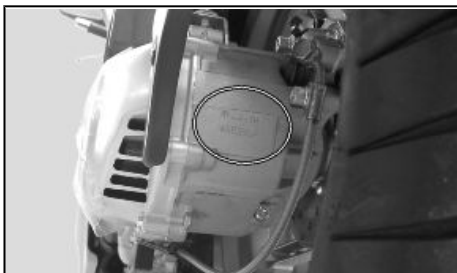
CAUTION



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



01_12



01_13

Runner 50 PJ



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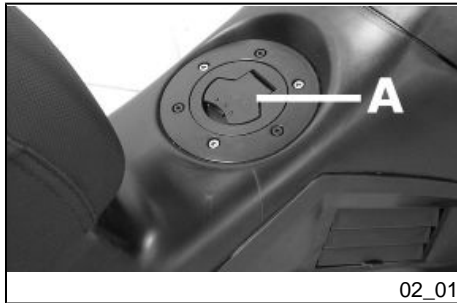


Chap. 02
Use

Checks

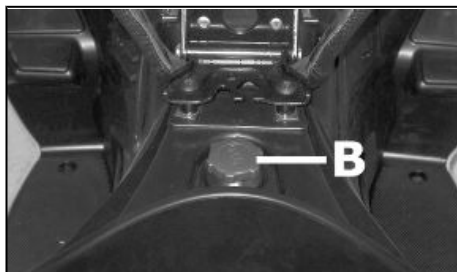
BEFORE USING YOUR VEHICLE CHECK:

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_01, 02_02, 02_03)

Fill up the fuel tank «A» with unleaded petrol with min number of octanes of 95. When the fuel level inside the fuel tank reaches a minimum, a low-fuel warning light will light up on the dashboard. Refill the oil tank, «B», with the recommended oil. A low-oil level warning light, on the dashboard, will come on when the oil level reaches a minimum. The top-up should be carried out as soon as the warning light goes on or, by all means, before covering 150 km. The vehicle is fitted with an electronic system which performs a check on the low-fuel and oil warning lights. As the key is turned onto "ON" the low-oil warning light goes on for a few seconds, indicating it is working correctly; a similar check is run by the digital display at the same time. A failed check may indicate a fault within the dashboard. If this is the case, please contact an **Authorised Piaggio Service Station**. In the event of running out of oil, even if this has not damaged the engine, it will still be necessary to contact an **Authorised Piaggio Service Station** to bleed the oil pump. If this is the case, fill the fuel tank with at least 3 litres of petrol-oil mixture with 2% oil. Once this has been exhausted, revert to standard, petrol fill-ups.



02_02

CAUTION

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

CAUTION

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

CAUTION

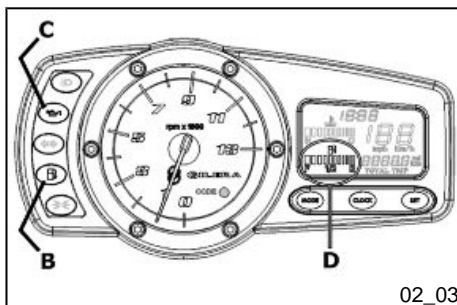
THE USE OF OILS AND SPARK PLUGS OTHER THAN THOSE RECOMMENDED CAN SHORTEN THE LIFE OF THE ENGINE.



IF ONLY THE FIRST AND LAST SEGMENTS OF THE FUEL LEVEL GAUGE ARE BLINKING, PLEASE CONTACT AN AUTHORISED PIAGGIO SERVICE STATION SO THAT AN INSPECTION OF THE INDICATOR MAY BE CARRIED OUT.

WARNING

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



02_03

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

Gas tank

in plastic, 7 l capacity (approximate value) including a reserve of ~ 1.5 l

Oil tank mixer

~ 1.6 l (including a reserve of 0.4 l)

Topping up mixer oil reservoir

Topping up oil reservoir: 0.5 ÷ 0.7 l

Tyre pressure

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.

Characteristic

Front wheel pressure:

1.7 bar

Rear tyre pressure:

2 bar

Rear tyre pressure (rider and luggage)

2.2 bar

Running in (02_04)

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.



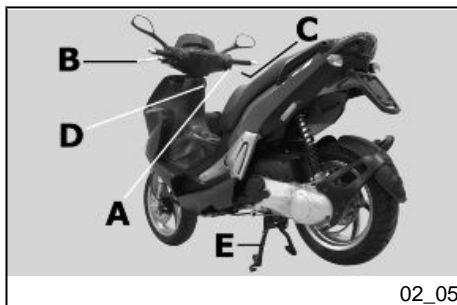
Starting up the engine (02_05)

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:



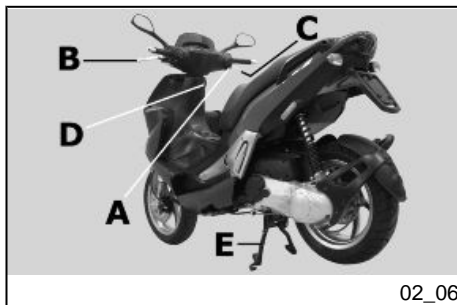
- 1: Rest the vehicle on its centre-stand, «E», ensuring the rear wheel is not touching the ground.
- 2: Maintain the throttle twist-grip in the idle position.
- 3: Insert the key into the ignition key-switch, «D», and turn it onto the «ON» position.
- 4: Press the start button, «A», whilst pulling either 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 SILENCER DOES NOT COME INTO CONTACT WITH FLAMMABLE MATERIALS, TO AVOID SERIOUS BURNS.



02_06

Difficult start up (02_06)

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. If fuel tank is empty. After refuelling the vehicle, start the engine by pressing the starter button «A» with the throttle at a minimum to provide maximum aspiration for the tap. If the vehicle fails to start even after taking the steps described above, contact an **Authorised Piaggio Service Centre**.

3. Faulty battery and start-up with auxiliary battery

If the battery is dead it is possible to start the engine by means of a connection to another battery, with cables capable of accepting high current and with clamps at the ends.

If the auxiliary battery is installed in another scooter, do not allow the two scooters to touch and position them both on the centre stand (if the other scooter has one).

Proceed as follows:

1. Switch off all services and users, start up the vehicle with the auxiliary battery and make the engine run slightly above idle to ensure deep battery charge; then turn off the engine.
2. Turn off everything and turn the vehicles' key switch to "OFF."
3. Connect the positive terminal (+) of the discharged battery to the positive terminal (+) of the auxiliary battery, and the negative terminal (-) of the discharged battery to the negative terminal (-) of the auxiliary battery.
4. Try to start the scooter by alternating 5 seconds of turning the starter motor with 5 seconds of pause. If the motor does not start after 20" of using the start-up system, do not continue with the attempt, since the scooter might not start due to some other problem.
5. Once the engine has started, keep it running slightly above idle and disconnect the cable (one cable at a time from both battery terminals) following the reverse mounting procedure: first the negative terminal (-) and then the positive one (+).

As soon as you can, control the electrolyte level (in the case of unsealed batteries) and top up with distilled water, if necessary. If the fault that causes the battery to discharge is unknown, contact an **Authorised Piaggio Service Centre** to check the vehicle's electrical system.

CAUTION

OBSERVE THE FOLLOWING INSTRUCTIONS TO AVOID SERIOUS INJURY AND DAMAGE TO THE VEHICLE, ALSO FOLLOW THE INSTRUCTIONS OF THE MANUFACTURER OF CABLES WITH TERMINALS.

DO NOT CHARGE A BATTERY WITH ELECTROLYTE ICED. LET THE ELECTROLYTE BATTERY DEFROST BEFORE STARTING FROM AUXILIARY BATTERY, OTHERWISE GAS PRODUCTS FROM THE BATTERY MAY CAUSE EXPLOSIONS.

DO NOT START THE VEHICLE USING CABLES WITH TERMINALS WITH A BATTERY WITH LOW FLUID LEVEL.

USE AN AUXILIARY BATTERY OF THE SAME VOLTAGE AND IN GOOD CHARGING CONDITION; ALSO CARRY OUT THE OPERATION IN A WELL-VENTILATED PLACE.

THE CAPACITY (AH) OF THE AUXILIARY BATTERY MUST BE THE SAME OR SLIGHTLY HIGHER THAN THAT OF THE DEAD BATTERY.

WARNING

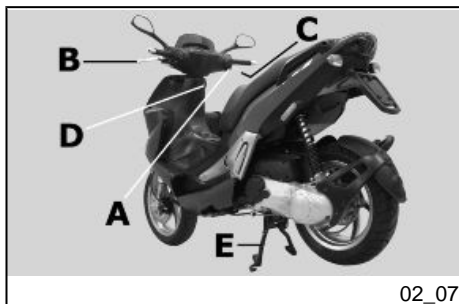
TO PREVENT SHORT CIRCUITS:

MAKE SURE THAT THE INSULATION OF THE CABLES WITH TERMINALS IS IN GOOD CONDITION AND PAY ATTENTION TO MOVE THEM AWAY FROM THE MOVING PARTS OF THE VEHICLE. DO NOT PUT ANYTHING IN CONTACT WITH CABLE TERMINALS, AVOID SHORT CIRCUITS IN THE CABLE MUFFLERS AND CONTACT BETWEEN THE POSITIVE CABLE (+) AND THE GROUND.

WARNING



TAMPERING MAY CAUSE SERIOUS ENGINE MALFUNCTION.



Stopping the engine (02_07)

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.

Automatic transmission

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

Safe driving

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



Air conveyors (02_08)

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.

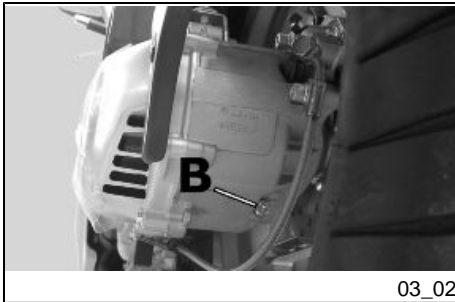
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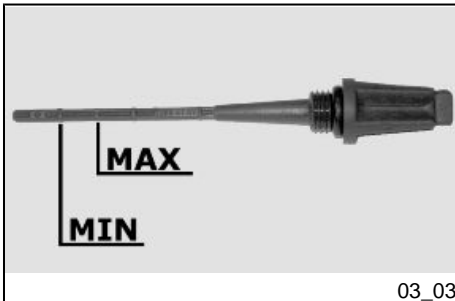
Chap. 03 Maintenance



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. Park the scooter on level ground and rest it on its stand.
2. Unscrew the oil dipstick «A», dry it with a clean cloth and then reinsert it, **screwing it fully into place**;
3. Unscrew the dipstick again and check that the oil level just reaches the **2nd notch from the bottom**;
4. Screw the dipstick back into place completely.

The screw «B» is the hub oil drainage plug.

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. 85 cc

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.

Characteristic

Front wheel pressure:

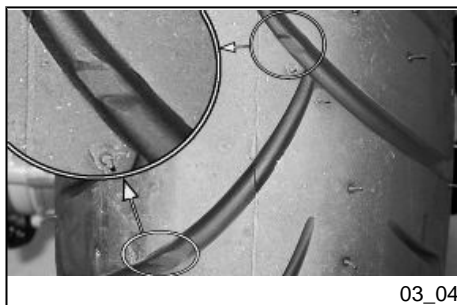
1.7 bar

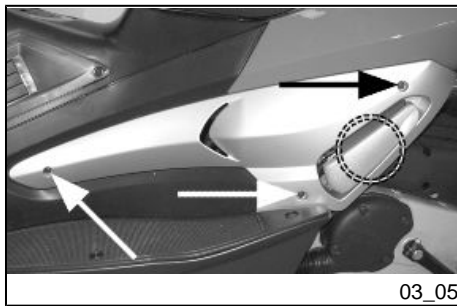
Rear tyre pressure:

2 bar

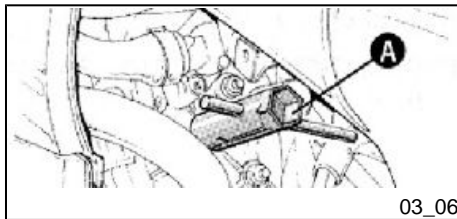
Rear tyre pressure (rider and luggage)

2.2 bar





03_05



03_06

Spark plug dismantlement (03_05, 03_06)

Remove one of the two foot-rest side fairings by loosening the four fixing screws underneath the passenger's foot peg.

Detach the spark plug screened cap and remove the spark plug using the box-spanner provided.

Upon refitting, screw the spark plug back in by hand, with the correct inclination; use the box-spanner for tightening only. Refit the cap with care.

Upon refitting, pay attention to insert the foot peg through the hole in the fairing, then tighten the four screws by hand.

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.

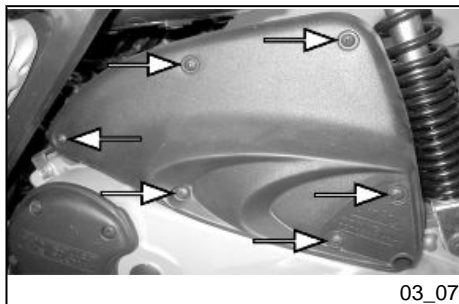
Characteristic

Recommended spark plug type

CHAMPION RG6YCA

Electrode gap

0.6 ÷ 0.7 mm



Removing the air filter (03_07)

Proceed as follows:

- Loosen the 6 fixing screws and remove the air-box cover;
- Extract the filtering element and wash it in soap and water, dry it with a clean cloth and small jets of compressed air, and soak it in a 50:50 mixture of petrol and recommended oil;
- Squeeze it with your hands without creasing, let it drip and 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

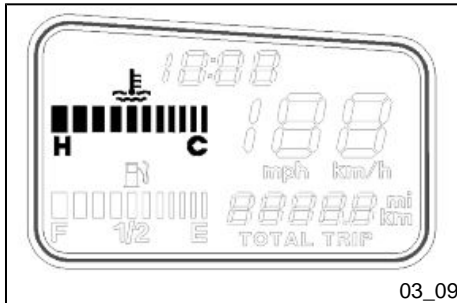
AGIP FILTER OIL

Special product for the treatment of foam filters.

-



03_08



03_09

Cooling fluid level (03_08, 03_09)

The engine cooling system is of the liquid type; the cooling circuit contains 0.50 litres of coolant consisting of a 50% mixture of demineralised water and anti-icing solution containing glycol-ethylene and corrosion inhibitors. The recommended coolant is distributed pre-mixed, ready for use. The system is fitted with temperature indicator for the coolant. In order to guarantee good engine performances, in normal conditions, the indicator must not go beyond the 7th/8th segment shown on the digital dashboard. As the temperature indicator reaches the 10th bar, the display will start blinking; if this is the case, shut down the engine immediately, let it cool down and then check the coolant level. If this is within the limits, contact an **Authorised Piaggio Service Station** so that the cause of the fault may be found. The coolant level check must be carried out, with the engine cold, after the first 1,000 Km and every 5,000 Km thereafter. Please proceed as follows:

- a) Rest the vehicle on its centre stand and on a horizontal surface.
- b) Remove the expansion tank cap «A» by turning it anticlockwise.

The coolant level may be checked through the inspection hole located on the L.H.S. of the leg-shield. If the coolant level is found to be close to the Min mark, top it up with the engine cold. Frequent top-ups, or a dry expansion tank, are most likely due to a leakage in the circuit. If this is the case, contact an **Authorised Piaggio Service Station** so that a thorough inspection of the circuit may be carried out. The coolant must be replaced every 2 years. Contact an **Authorised Piaggio Service Station**, as this operation must be performed by trained technicians.

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

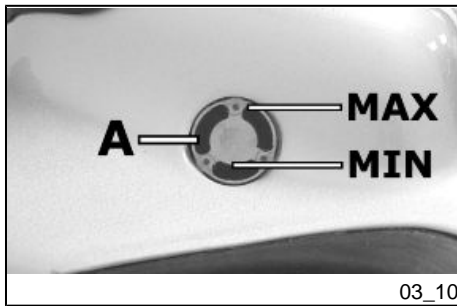
IF THE FIRST AND THE LAST SEGMENTS OF THE COOLANT LEVEL INDICATOR FLASH, CONTACT AN AUTHORISED PIAGGIO SERVICE CENTRE TO CHECK THE INDICATOR.

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 PIAGGIO 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

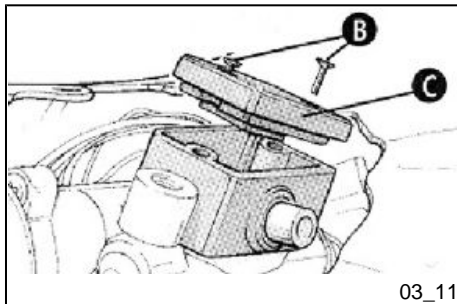


03_10

Checking the brake oil level (03_10, 03_11)

The brake fluid reservoir is equipped with a sight glass «A». The sight glass shows the level in the reservoir.

With sight glass «A» completely covered with fluid, the level is above Min. If the level drops, even slightly, the fluid level is considered Min. If no fluid is visible through the sight glass, the fluid level is below Minimum. The brake fluid level may fall due to wear of the brake pads. In this case take the scooter to an **Authorized Piaggio Service Center** for a general check-up of the brakes. If you need to top up the level follow the steps listed below. Remove the front handlebar cover, loosen the 2 screws, «B», lift the brake reservoir cover, «C», and top up the fluid level as necessary (the level must always remain above the minimum mark).



03_11

Check the level with the reservoir in a horizontal position, i.e. with the handlebars straight and the motorscooter perfectly 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 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.

Battery (03_12)

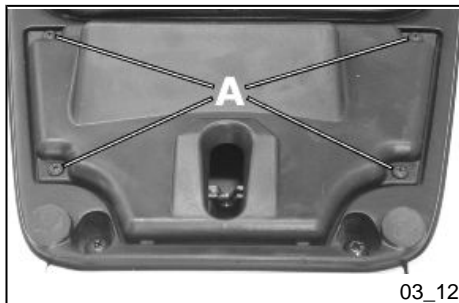
To gain access to the battery, lift the seat and loosen the four fixing screws, "A", on the cover. To remove the battery, detach the positive and negative cables, from the vehicle's electrical system. The battery is the electrical device which requires the most assiduous inspection and diligent maintenance.

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.

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.



03_12

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.

Fuses

The electrical system is protected by 3 fuse, «**B**», located next to the battery. If you experience a second fuse failure after replacing a burst fuse, please **contact an Authorised Piaggio Service Station** to investigate the fault. Do not attempt to close the circuit with any material other than the fuse.

Electric characteristic

Fuses

One 20A battery, two 5A
batteries

LIGHT BULBS TABLE

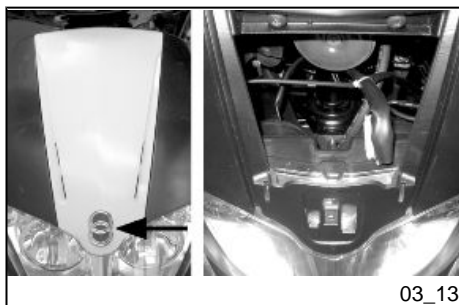
Low-beam bulb	Type: H8 Power: 12V - 35W Quantity: 1
High-beam light bulb	Type: H8 Power: 12V - 35W Quantity: 1
Front tail light bulb	Type: All glass Power: 12V - 3W Quantity: 2

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_13, 03_14, 03_15)

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

Then follow this procedure:

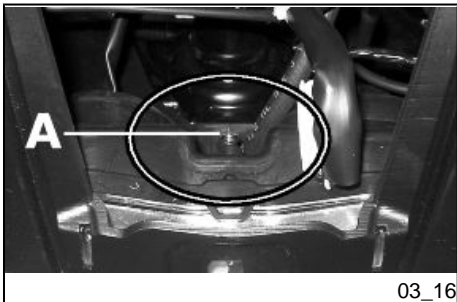
High and low beam bulb:

1. remove the rear cover and take the bulb holder; then turn it up around 30°;
2. disconnect the bulb connector and change the bulb.

Tail lights:



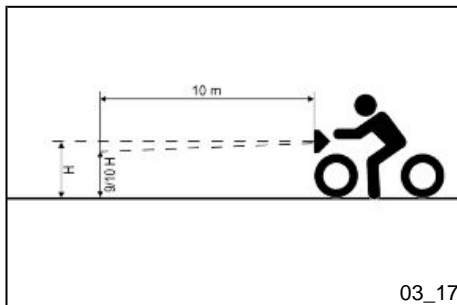
1. remove the rubber bulb socket from its housing; then remove the bulb and replace it.



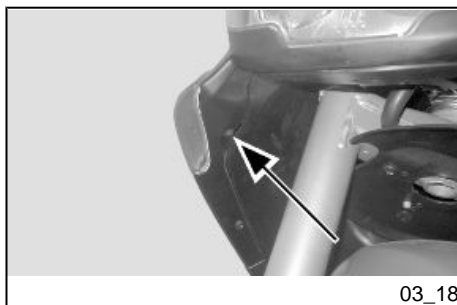
Headlight adjustment (03_16, 03_17)

Proceed as follows:

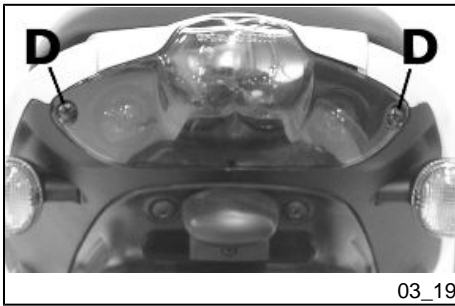
1. Place the vehicle in running order and with the tyres inflated to the prescribed pressure, on a flat surface 10 m away from a white screen situated in a shaded area, making sure that the longitudinal axis of the scooter is perpendicular to the screen;
2. Turn on the headlight and check that the borderline 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_18)**

In order to replace the front turn indicator bulbs remove the light taking off the retaining screws, then remove the bulb holder from its support; gently turn the bulb around 30° and remove it. Follow the process in reverse order to refit.



03_19

Rear optical unit (03_19, 03_20, 03_21, 03_22)

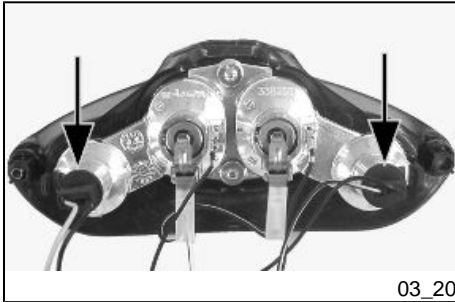
To reach the taillight assembly bulbs remove the two screws "D", then pull out the entire bulb and proceed as follows:

Side tail lights:

The tail light bulbs and bulb sockets are snapped on their corresponding supports. It is therefore enough to pull bulb socket out of the headlamp in order to fit the new bulb.

Centre stop light bulbs:

In order to reach the stop light bulbs it is necessary to remove the rear light by unscrewing the two clamping screws that fasten the bulb support and glass together. Then, release the lateral ratchets, hold the burnt bulb and make a 30° turn to remove it and fit the new bulb.

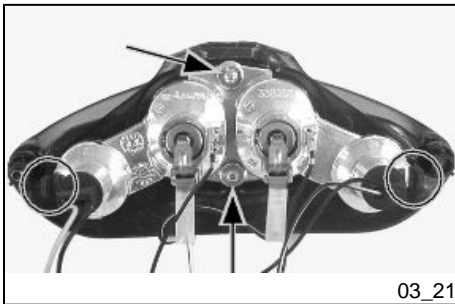


03_20

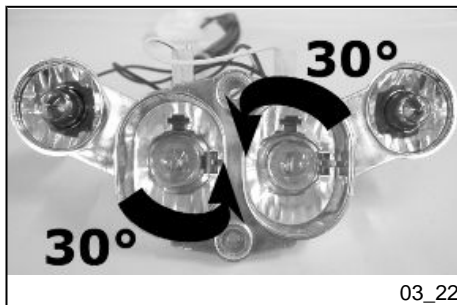
WARNING

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.



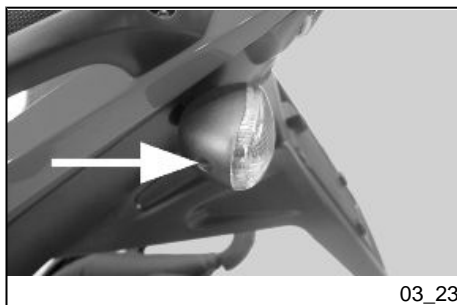
03_21



Rear turn indicators (03_23)

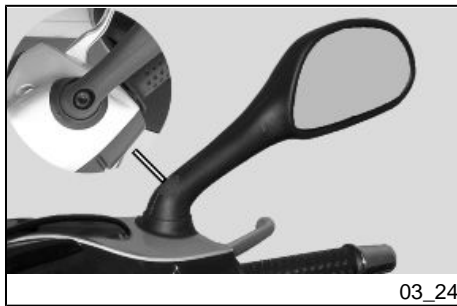
Loosen the screws fitted on the back of the turn indicator and remove the glass.

Hold the bulb gently and make a 30° anticlockwise turn; then remove it from the support and replace it.



Rear-view mirrors (03_24)

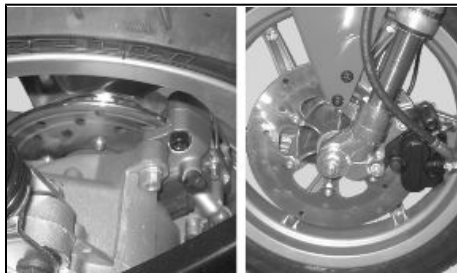
The mirrors can be set to the desired position by adjusting the mirror frame.



03_24

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

To adjust the mirror opening angle loosen the screw fitted at the end of the shaft and fasten it once the desired position is reached.



03_25

Front and rear disc brake (03_25, 03_26)

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, mainly due to the importance of brakes to guarantee safe riding conditions, the vehicle should be taken to an **Authorised Piaggio-Gilera Service Centre** in order to be checked.

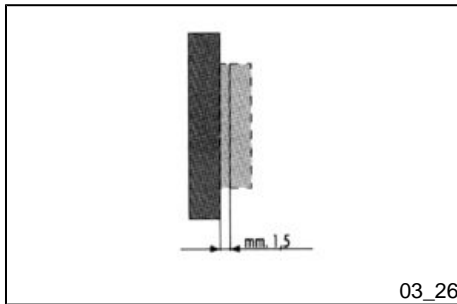
CAUTION



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. THIS OPERATION MUST BE CARRIED OUT AT AN AUTHORISED PIAGGIO-GILERA SERVICE CENTRE. AFTER REPLACING THE BRAKE PADS DO NOT USE THE VEHICLE BEFORE HAVING USED THE BRAKE LEVER SEV-



03_26

ERAL TIMES IN ORDER TO ALLOW THE PADS TO SETTLE AND THE LEVER STROKE TO BE SET TO THE CORRECT POSITION.

Puncture (03_27)

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 at an **Authorised Piaggio-Gilera Service Centre**.



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.
- KEEP NOZZLE AT LEAST 60 CM AWAY FROM THE VEHICLE
- DO NOT USE WATER AT TEMPERATURES ABOVE 40°C.
- DO NOT DIRECT THE JET AT THE CARBURETTOR, THE ELECTRIC CABLES, THE COOLING SLITS IN THE TRANSMISSION COVER AND THE SPIRAL 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.

DIFFICULTY IN STARTING

No fuel in tank	Refuel
Filters, jets, carburettor body obstructed or dirty.	Turn to an Authorized Piaggio Help Point .
Dead battery.	Kick-start. Install new battery..

IRREGULAR FIRING

No spark on spark plug. High voltage: this inspection should be carried out by a trained mechanic.	Make sure the electrodes are correctly adjusted (0.6-0.7 mm). Make sure the electrodes are clean (clean with pure gasoline and a metal brush or abrasive cloth). Check the spark plug insulation if there are cracks or it is broken replace the spark plug. If the spark plug is in good condition, contact an Authorized Piaggio-Gilera Service Center .
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LACKING COMPRESSION

Spark plug site unthreaded, loose head fixture.	Turn to an Authorized Piaggio Help Point .
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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)
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INSUFFICIENT BRAKING

Greasy disc. Worn pads	Contact an Authorised Piaggio Service Centre
Air in the front and rear brake circuits	Contact an Authorised Piaggio Service Centre

INEFFICIENT SUSPENSION

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

Deteriorated roller housing or belt.	Contact an Authorised Service Centre.
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STAND DOES NOT RETURN TO POSITION

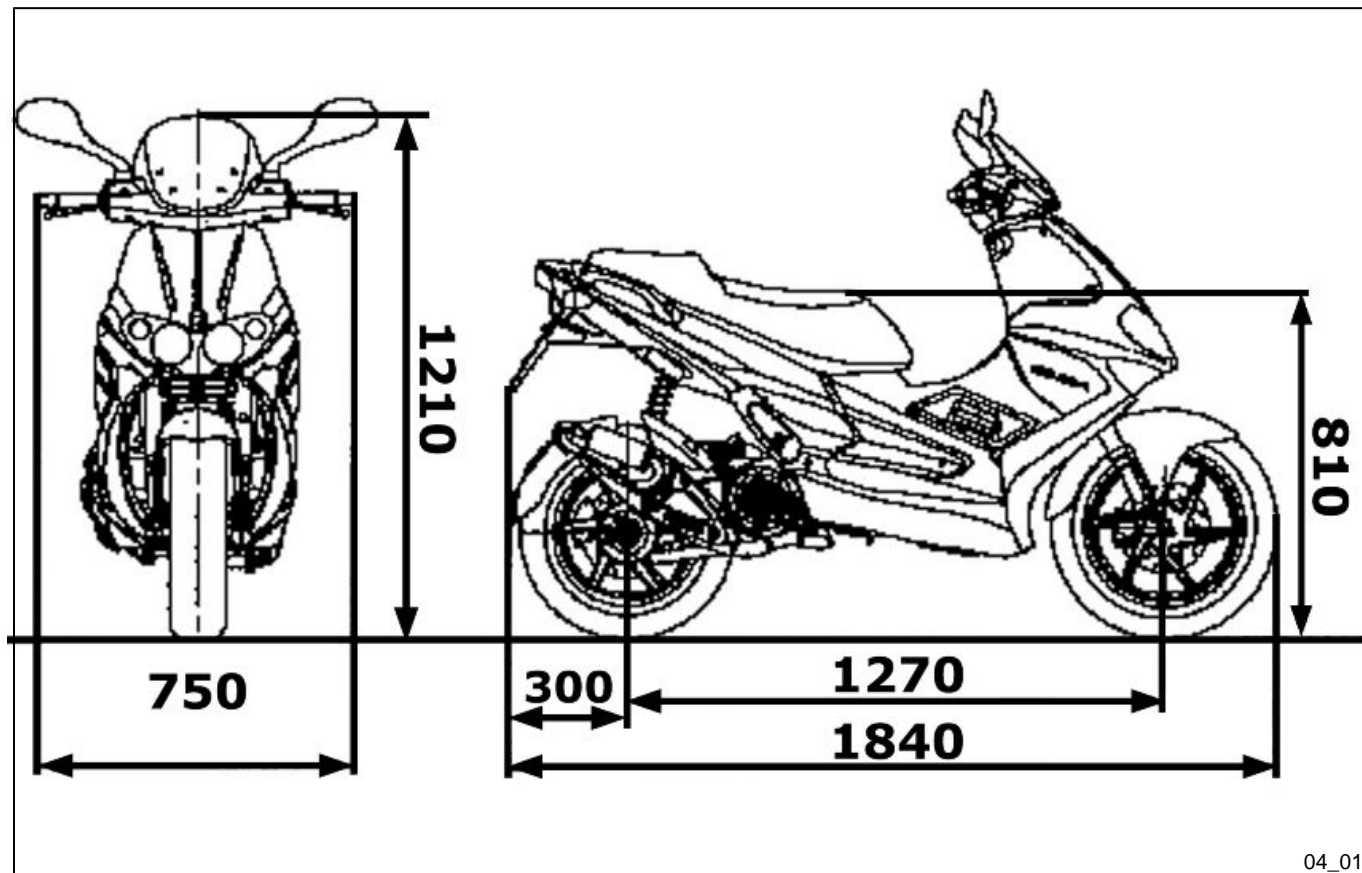
Presence of dirt

Clean and grease

Runner 50 PJ



Chap. 04
Technical data



04_01

SPECIFICATIONS

Motor	Fluid-cooled, two-cycle, single-cylinder.
Bore x stroke	40 X 39.3 mm
Engine capacity	49 cm ³
Compression ratio	11.5 ± 0.9
Throttle body	Bing 71/20/104
Spark advance (Before T.D.C.)	20°±1 at 4000 rpm
Spark plug	Champion RG6YC
Max. speed	According to current legislation

TECHNICAL SPECIFICATIONS

Electronic ignition	A capacitor discharge microprocessor device, with built-in HV coil.
Fuel Supply	A mixture of unleaded petrol (95 octane min.) and oil - automatic oil mixer (flow rate varying with engine rpm and throttle opening) fuel pump.
Intake	Through reed valve on crankcase
Lubrication	Engine lubrication (piston, cylinder, crankshaft, main bearings) with mixer oil.

Transmission	With automatic converter with expanding pulleys having torque control, V belt, automatic centrifugal clutch, gear reduction unit and transmission compartment with forced air circulation cooling (only for the liquid-cooled version).
Oil mixer reservoir	Plastic, with a capacity of ~ 1.6 lt (including a ~0.6 lt reserve).
Rear hub oil	approx. 85 cm ³
Topping up mixer oil tank	Topping up oil tank: 0.7 ÷ 1 l
Gas tank	In plastic, 7 lt. capacity (approximate value) including the ~ 1.7 l. reserves.
Wheels	Light alloy rims: FRONT 3.00 x 14" REAR 3.50 x 13"
Front tyre	Tubeless 120/70-14"
Rear tyre	Tubeless 140/60 x 13"
Chassis	Modular double cradle frame made of welded tubular steel with sheet metal reinforcement.
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.

Front suspension	upside-down hydraulic telescopic fork.
Rear suspension	With coaxial spring and hydraulic shock absorber. Chassis to engine support with swinging arm.
Exhaust muffler	Expanding, absorption type with double catalytic converter.
Seat height	810 mm
Wheelbase	1,270 mm
Maximum length	1840 mm
Maximum width	750 mm
Weight	107 kg (99 kg dry)
Maximum load	Driver only.

Toolkit

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

Runner 50 PJ



Chap. 05
Spare parts and
accessories



Warnings (05_01)

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 PJ



Chap. 06 Scheduled maintenance



06_01

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'.

SCHEDULED 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/Electrode gap		R	R	R	R	R	R	R	R	R	R	R	R
Drive belt		I	R	I	R	I	R	I	R	I	R	I	R
Mixer belt					R				R				R
Air filter		C	C	C	C	C	C	C	C	C	C	C	C
Fuel filter			R		R		R		R		R		R
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
Coolant *		I	I	I	I	I	I	I	I	I	I	I	I
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
Transmission gas mixer	A	A	A	A	A	A	A	A	A	A	A	A	A
Hub oil	R	I	R	I	R	I	R	I	R	I	R	I	R
Brake pads		I	I	I	I	I	I	I	I	I	I	I	I
Tyre pressure and wear	I	I	I	I	I	I	I	I	I	I	I	I	I
Headlight			A		A		A		A		A		A
Vehicle and brake road test	I	I	I	I	I	I	I	I	I	I	I	I	I
Radiator					C				C				C
Odometer gear	L		L	L	L	L	L	L	L	L	L	L	L
CVT rollers			R		R		R		R		R		R
Suspension			I		I		I		I		I		I
Steering	A		A		A		A		A		A		A
Transmission			L		L		L		L		L		L

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

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

* Replace every 2 years

RECOMMENDED PRODUCTS TABLE

Product	Description	Specifications
AGIP GEAR SAE 80W-90	Lubricant for gearboxes and transmissions.	API GL-4
eni i-Ride PG 5W-40	Synthetic based lubricant for high-performance four-stroke engines.	JASO MA, MA2 - API SL - ACEA A3

Product	Description	Specifications
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 for driven pulley shaft adjusting ring and movable driven pulley housing	Grease with molybdenum disulphide
AGIP GREASE PV2	Ivory smooth-textured, slightly-stringy anhydrous calcium-base grease.	TL 9150 066, symbol NATO G 460

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