

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 SP



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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 of 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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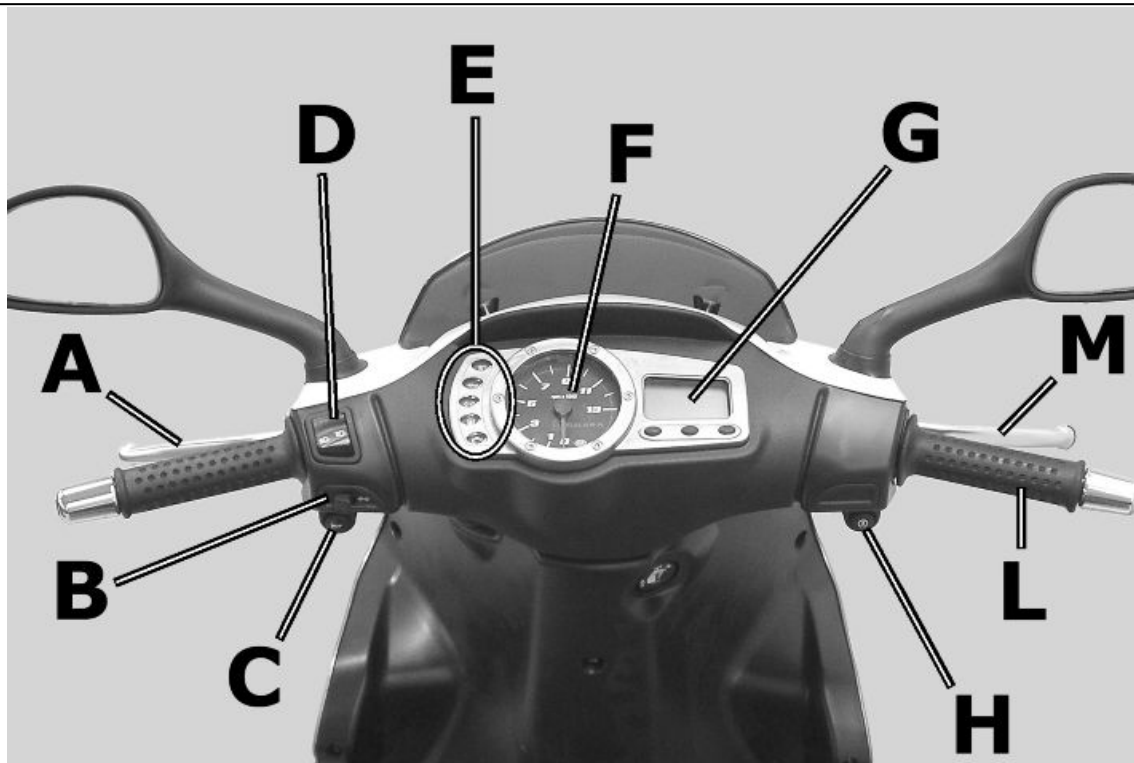
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**Chap. 01
Vehicle**



01_01

Dashboard (01_01)

A = Rear brake control;

B = Turn indicator switch;

C = Horn button;

D = Lights switch;

E = Warning lights;

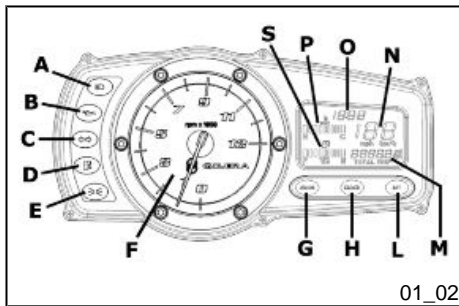
F = Rpm indicator;

G = Digital instrument panel;

H = Start-up button;

L = Throttle control;

M = Front brake control;



01_02

Instruments (01_02)

A= High-beam indicator light;

B= Oil reserve mixer indicator light;

C= Direction indicator light;



D= Fuel reserve indicator light;

E= Lights indicator light;

F= Rev counter;

G= "**Mode**" key;

H= "**Clock**" key;

L= "**Set**" key;

M= Total/Trip odometer;

N= Speedometer;

O= Clock;

P= Coolant temperature indicator (for liquid-cooled vehicles);

S= Fuel level indicator;

DigitalIcddisplay (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».



Keyswitch (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



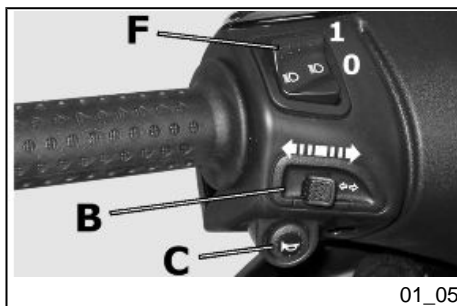
DO NOT TURN THE KEY TO «LOCK» OR «KEY OFF» WHILE RIDING.

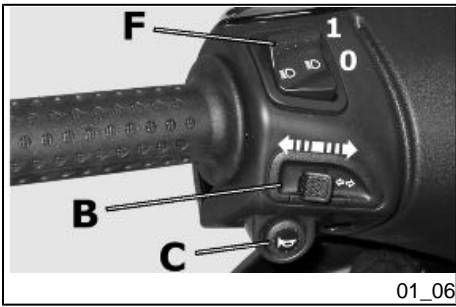
Releasing the steering wheel

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

Switch direction indicators (01_05)

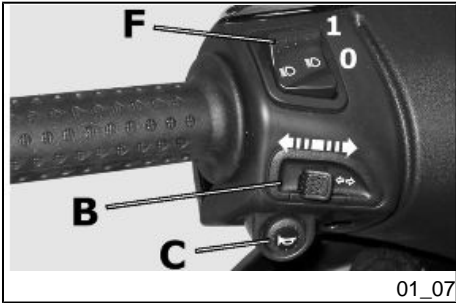
To set the left turn indicators flashing, move lever «**B**» to the left; to set the right turn indicators flashing, move it to the right. The lever automatically returns to the central position and the indicators remain on. To turn the indicators off, press the lever towards the switch.





Hornbutton (01_06)

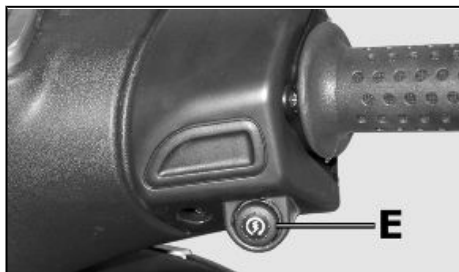
Push the «C» button to sound the horn.



Lightswitch (01_07)

0 = Low-beam and taillight

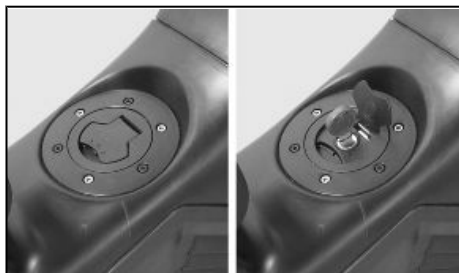
1 = High-beam and taillight



01_08

Start-upbutton (01_08)

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



01_09

Fueltank (01_09)

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



Openingthesaddle (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

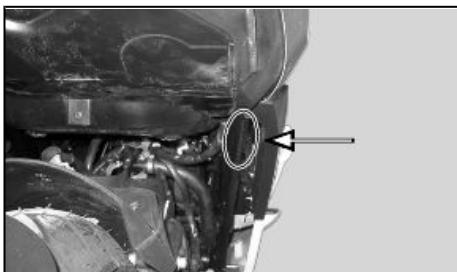
Identification (01_12, 01_13)

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.

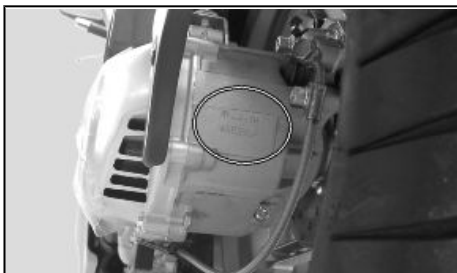
CAUTION



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



01_12



01_13

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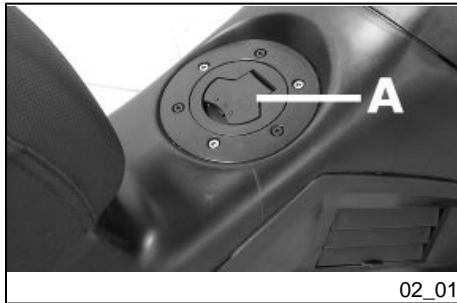


Chap. 02
Use

Checks

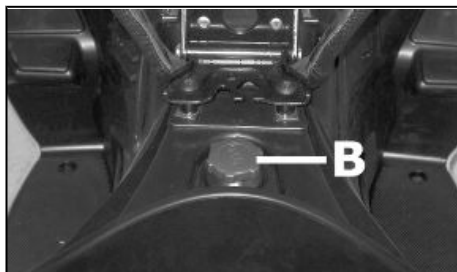
BEFORE USING YOUR VEHICLE CHECK:

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 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

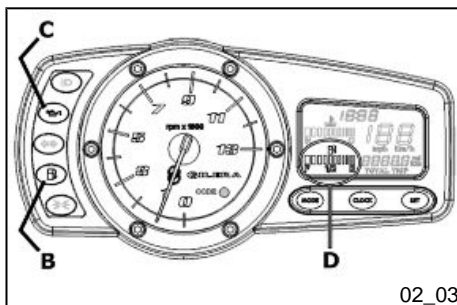
THE USE OF OILS AND SPARK PLUGS OTHER THAN THOSE RECOMMENDED CAN SHORTEN THE LIFE OF THE ENGINE.



IF ONLY THE FIRST AND 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 lt. capacity (approximate value) including the ~ 1.7 l. reserves.

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

Tyrepressure

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

Runningin (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.



Startinguptheengine (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 EXHAUST DOES NOT COME INTO CONTACT WITH FLAMMABLE MATERIALS, TO AVOID SERIOUS BURNS.



Difficultstartup (02_06)

In the event of difficulties, it is possible to proceed as follows:

1. Wet engine. With the vehicle on its centre stand and its rear wheel lifted off the ground, give full throttle and repeatedly press the start button for approx. 5 seconds with 5 seconds pauses between each attempt. If the engine does not start after a few attempts, let it rest for a few minutes and try again following the same procedure just described. In any case do not keep the start button continuously pressed down for more than 20" when trying to start up the engine.

2. Weak battery or inefficient starter motor. Rest the vehicle on its centre stand, «E», and ensure the rear wheel is lifted off the ground; turn the key-switch, «E», onto «ON» and operate the kick-starter, «F».

3. Out of fuel. After refilling the fuel tank, start the vehicle using the start button, «A», with the throttle at idle. If the vehicle still fails to start, please contact your nearest **Piaggio - Gilera Authorised Service Centre**.



Stoppingtheengine (02_07)

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

Catalyticsilencer

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.

Automatictransmission

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

Safedriving

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.

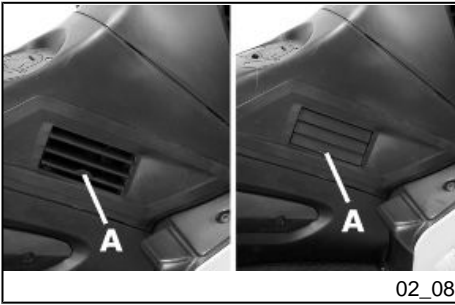
CAUTION

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.

Airconveyors (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.



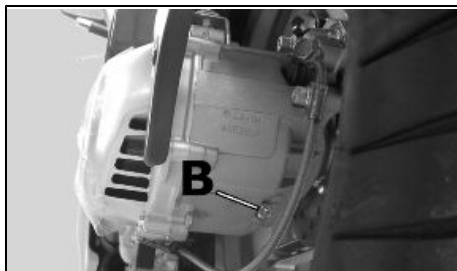
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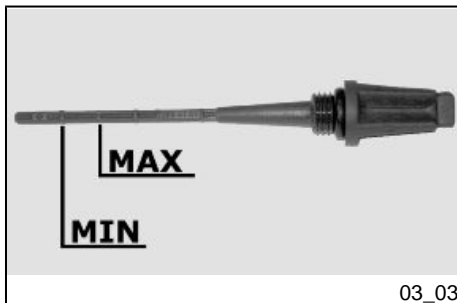
Chap. 03 Maintenance



03_01



03_02



03_03

Huboillevel (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

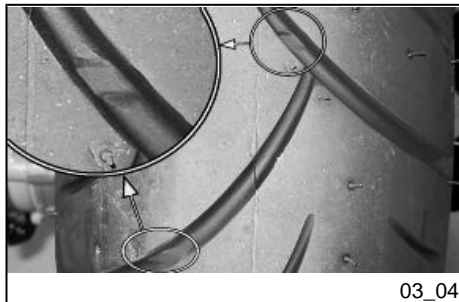
Lubricant for gearboxes and transmissions.

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.

Characteristic

Front wheel pressure:

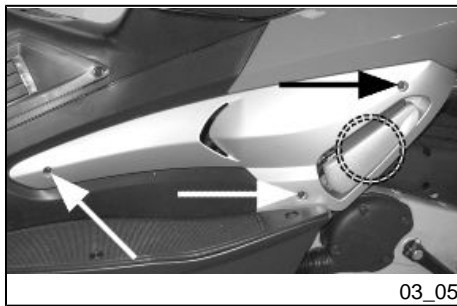
1.7 bar

Rear tyre pressure:

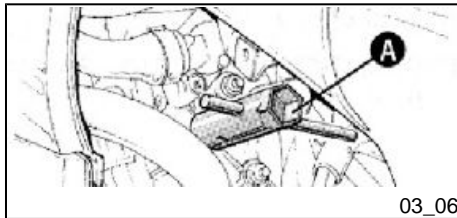
2 bar

Rear tyre pressure (rider and luggage)

2.2 bar



03_05



03_06

Sparkplugdismantlement (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.

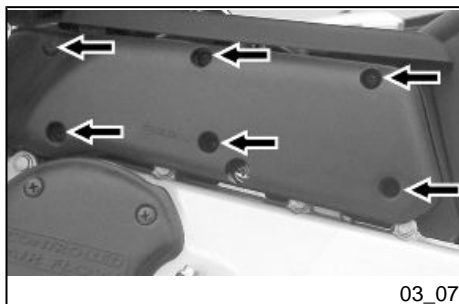
Characteristic

Spark plug

CHAMPION RN3C

electrode gap

0.45 ÷ 0.55 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



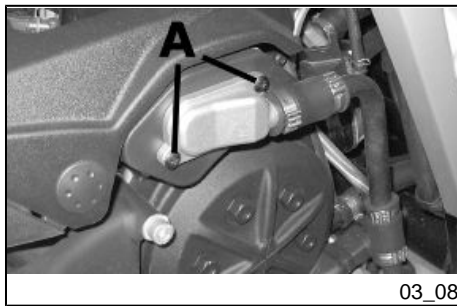
IN ORDER NOT TO DAMAGE THE VEHICLE PLASTIC COVERS CONTACT AN AUTHORISED SERVICE CENTRE TO HAVE THE AIR FILTER CLEANED.

Recommended products

AGIP FILTER OIL

Special product for the treatment of foam filters.

-



03_08

Secondaryairsystem (03_08)

Remove the two screws "A" from the SAS aluminum cover. Remove the metal tube from its rubber seat on the cover without removing it from the cover/sleeve. Take off the plate and plastic cover, extract the filter and wash it with soap and water. Dry it with compressed air before remounting it. Be careful to correctly position the plate in its seat on the two plastic and aluminum covers. Replace the o-ring in the specific seat on the cover each time the box is disassembled.

WARNING



CONTACT AN AUTHORIZED PIAGGIO-GILERA SERVICE CENTER FOR THIS OPERATION.



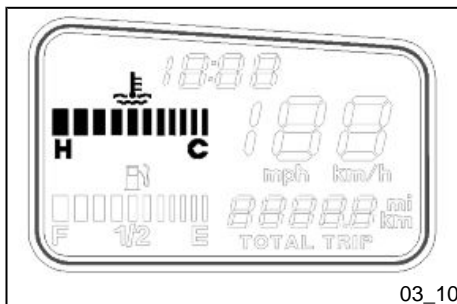
03_09

Coolingfluidlevel (03_09, 03_10)

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.

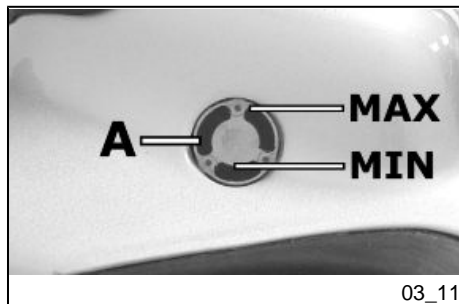
IF THE FIRST AND THE LAST SEGMENTS OF THE COOLANT LEVEL TEMPERATURE INDICATOR FLASH WHEN RIDING IN EXTREMELY LOW TEMPERATURE CONDITIONS -TEMPERATURE BELOW 15° C - JUST SWITCH OFF THE ENGINE AND WAIT FOR ONE MINUTE; THE FLASHING WILL AUTOMATICALLY STOP. IF THE SEGMENTS KEEP FLASHING, CONTACT AN AUTHORISED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

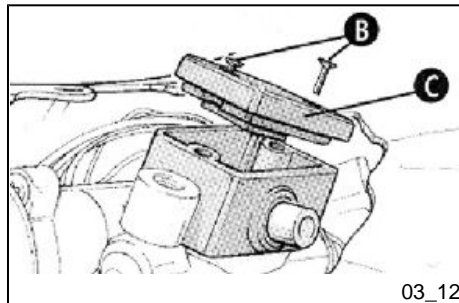


03_11

Checking the brake oil level (03_11, 03_12)

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_12

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



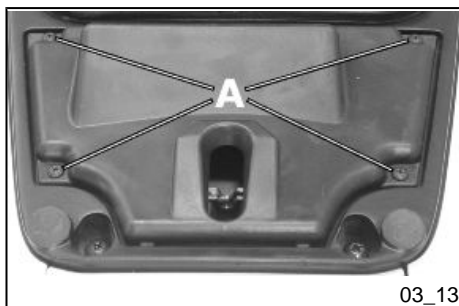
THE BRAKING CIRCUIT FLUID IS HIGHLY CORROSIVE. THEREFORE, WHEN TOPPING UP, AVOID LETTING IT COME INTO CONTACT WITH THE PAINTED PARTS OF THE VEHICLE. THE BRAKING CIRCUIT FLUID IS HYGROSCOPIC, THAT IS, IT ABSORBS HUMIDITY FROM THE SURROUNDING AIR. IF MOISTURE

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_13)

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.

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

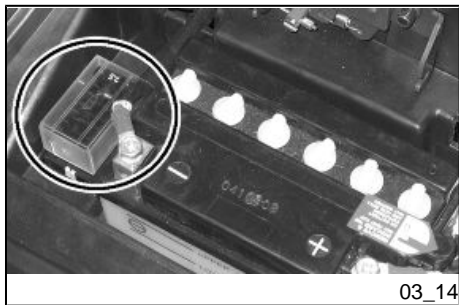


DO NOT DISCONNECT THE BATTERY CABLES WITH THE ENGINE RUNNING, THIS CAN CAUSE IRREPARABLE DAMAGE TO THE VEHICLE'S ELECTRONIC CONTROL UNIT.

WARNING



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



Fuses (03_14)

The electrical system is protected by a fuse, «**B**», located next to the battery. The following sub-systems are not protected by the fuse: ignition, headlight, sidelights, and taillight. 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

Main fuse

7.5 A

LIGHT BULBS TABLE

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

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

Frontlightgroup (03_15, 03_16, 03_17)

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:

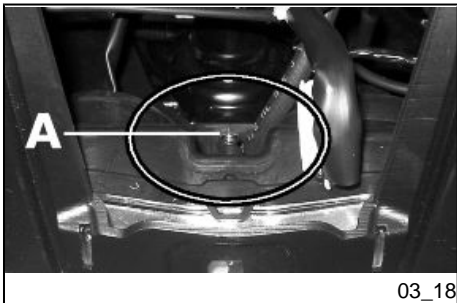
High and low beam bulb:

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:



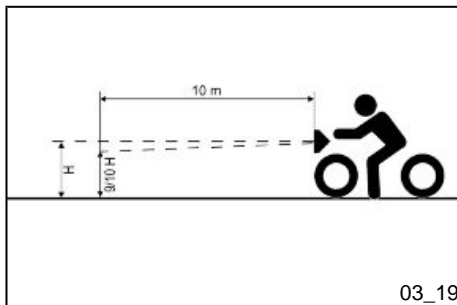
1. remove the rubber bulb socket from its housing; then remove the bulb and replace it.



Headlight adjustment (03_18, 03_19)

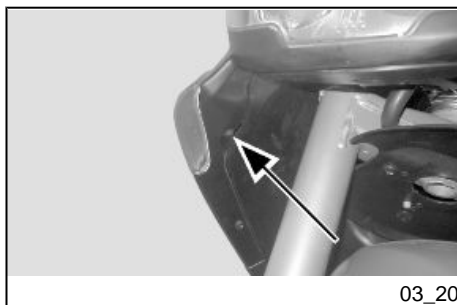
Proceed as follows:

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.



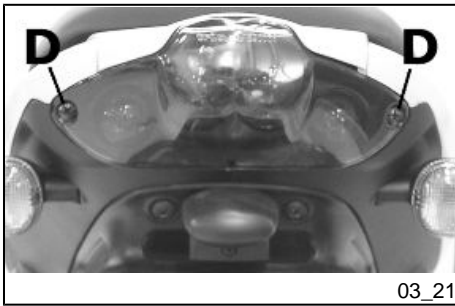
N.B.

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.



Frontdirectionindicators (03_20)

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



Reopticalunit (03_21, 03_22, 03_23, 03_24)

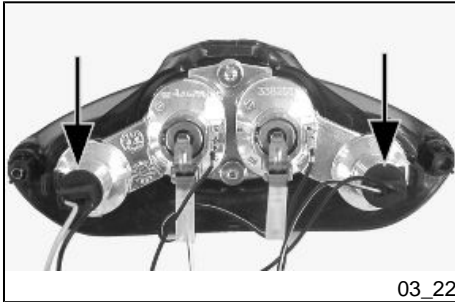
To reach the taillight assembly bulbs remove the two screws "D", then pull out the entire bulb and proceed as follows:

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:

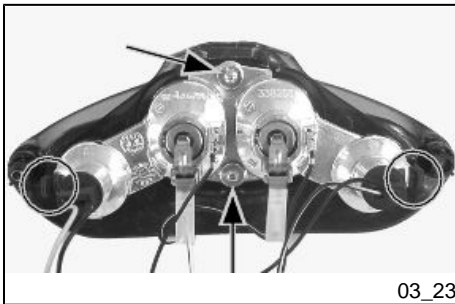
In order to reach the stop light bulbs it is necessary to remove the rear light by unscrewing the two clamping screws that fasten the bulb support and glass together. Then, release the lateral ratchets, hold the burnt bulb and make a 30° turn to remove it and fit the new bulb.

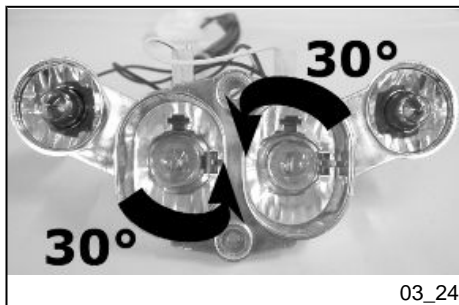


WARNING

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.

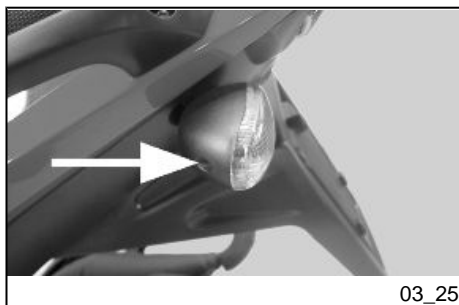




Rear turn indicators (03_25)

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_26)

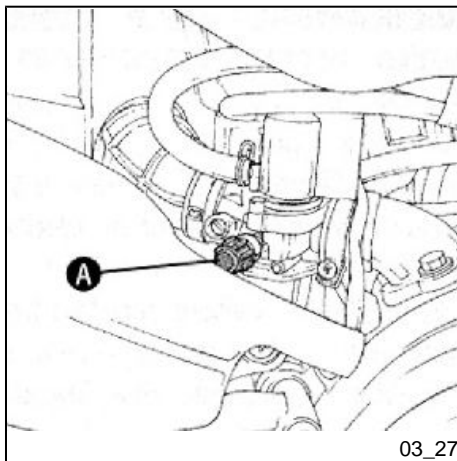
The mirrors can be set to the desired position by adjusting the mirror frame.



03_26

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_27

Idle adjustment (03_27, 03_28)

Adjust the idle speed by turning the adjuster screw "A" on the carburetor. To do this work from the muffler as shown in the figure or lift the saddle and remove the panel at the bottom of the helmet compartment. Adjust the idle speed with the rear wheel off the ground (vehicle on its kickstand) and with a warm engine: rotate the screw in or out until the engine idles. Adjust the slack from the throttle cable using the adjuster "C" located at the upper part of the carburetor at the end of the operation. Replace the rubber cap on the adjuster when you have finished.

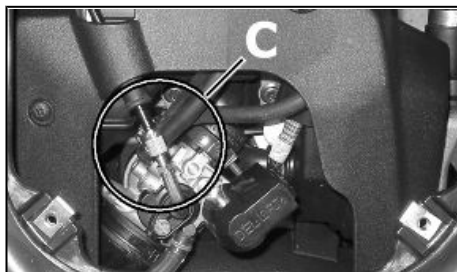
CAUTION



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). THIS OPERATION MUST BE CARRIED OUT AT AN AUTHORISED PIAGGIO-GILERA SERVICE CENTRE.

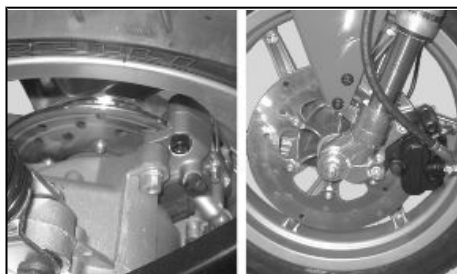


03_28

Characteristic

Idle speed

about 1800/2000 rpm



03_29

Front and rear disc brake (03_29, 03_30)

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.

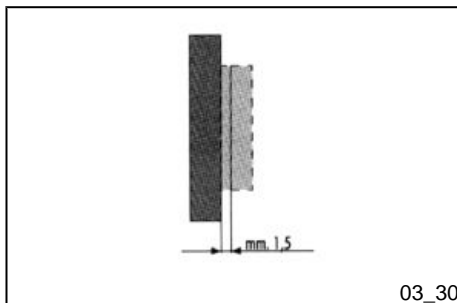
CAUTION



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_30

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



03_31

Puncture (03_31)

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**.



03_32

delveicolo (03_32)

We recommend carrying out the following operations:

1. General cleaning of the 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 5W-40

Synthetic based lubricant for high-performance four-stroke engines.

JASO MA, MA2 - API SL - ACEA A3

Cleaningthevehicle

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.

IRREGULAR IGNITION

Lack of spark at the spark plug. Due to the presence of high voltage, this check must be carried out by skilled personnel.	Check that the electrodes are properly adjusted (0.45÷0.55 mm). Make sure that the electrodes are clean (clean them with pure petrol and a metal brush or emery cloth). Check the spark plug insulating material: if there are cracks, replace the spark plug. If the spark plug is in good condition, contact an Authorised Piaggio 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)
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INSUFFICIENT BRAKING

Greasy disc. Worn pads.	Contact an Authorised Piaggio-Gilera Service Centre .
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Air in the brake assembly.	Contact an Authorised Piaggio-Gilera Service Centre .
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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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INCREASED EXHAUST NOISE

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

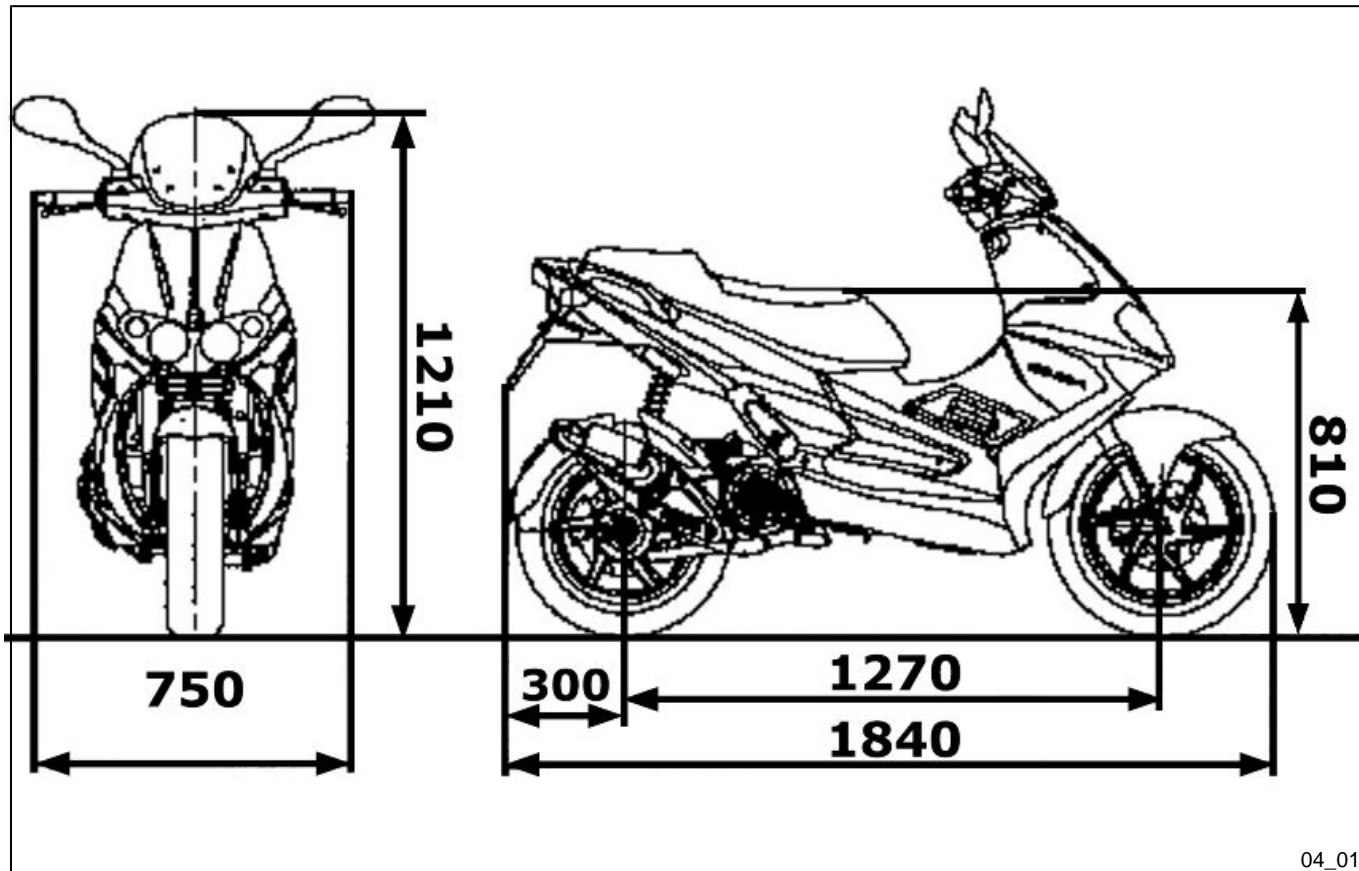
Runner 50 SP



GILERA®



Chap. 04
Technicaldata



SPECIFICATIONS

ENGINE	single cylinder; 2-stroke
Bore x stroke	40 X 39.3 mm
Engine capacity	49 cm ³
Compression ratio	12 : 1 ($\pm 0,7$)
Ignition advance (before TDC)	16° \pm 1° at 4,000 rpm
Dellorto Carburettor	PHVA 17.5
Recommended spark plug	CHAMPION RN3C
Max. speed	According to current legislation

TECHNICAL SPECIFICATIONS

Maximum length	1840 mm
Maximum width	750 mm
Seat height	810 mm
Wheelbase	1,270 mm
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 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	Quantity: approx. 75 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.
Front suspension	Upside-down telescopic fork with ø 30mm stanchion and dual-effect damper.
Rear suspension	With coaxial spring and hydraulic shock absorber. Chassis to engine support with swinging arm.
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"
Exhaust silencer	Expanding, absorption type with double catalytic converter and tabbed SAS system.
Electronic ignition	A capacitor discharge microprocessor device, with built-in HV coil.
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.
Total weight when empty and ready for road	103 kg (95 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 SP



Chap. 05
Spareparts 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 SP



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
eni i-Ride PG 5W-40	Synthetic based lubricant for high-performance four-stroke engines.	JASO MA, MA2 - API SL - ACEA A3
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



SelèniaMotoRider (06_02)

PIAGGIO-GILERA rides with SELENIA MOTO RIDER

The technology and quality of **FL Selenia** for a range of high performance products.

Thanks to the co-operation between **FL Selenia** and Piaggio Engineering, the **Selenia Moto Rider products** give the Piaggio/Gilera scooters protection and safety in every operating situation.

A broad range of lubricants and functional fluids to satisfy the demands of every motorcyclist, tested on the Piaggio/Gilera engines from the moment they leave the production line and selected to maximise reliability and performance.

The **Selenia Moto Rider** product range is distributed by the Piaggio/Gilera service network and top specialised sales outlets.

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