

aprilia

HABANA 50 - 125



aprilia part# 8104042

use+maintenancebook



First edition: may 1999


Reprint: july 1999, january 2000,
february 2001

Produced and printed by:
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SAFETY WARNINGS

The following precautionary warnings are used throughout this manual in order to convey the following messages:

 **Safety warning. When you find this symbol on the vehicle or in the manual, be careful to the potential risk of personal injury. Non-compliance with the indications given in the messages preceded by this symbol may result in grave risks for your and other people's safety and for the vehicle!**

WARNING

Indicates a potential hazard which may result in serious injury or even death.

CAUTION

Indicates a potential hazard which may result in minor personal injury or damage to the vehicle.

NOTE The word "NOTE" in this manual precedes important information or instructions.

TECHNICAL

★ The operations preceded by this symbol must be repeated also on the opposite side of the vehicle.

If not expressly indicated otherwise, for the reassembly of the units repeat the disassembly operations in reverse order.

The terms "right" and "left" are referred to the rider seated on the vehicle in the normal riding position.

H50 HC50 Any mention to the use of the vehicle with passenger is to be intended as referred only to the countries where this is allowed.

WARNINGS - PRECAUTIONS - GENERAL ADVICE

Before starting the engine, carefully read this manual and in particular the section "SAFE DRIVE".

Your and other people's safety depends not only on your quickness of reflexes and on your agility, but also on what you know about the vehicle, on its efficiency and on your knowledge of the basic information for "SAFE DRIVE". Therefore, get a thorough knowledge of the vehicle, in such a way as to be able to drive in the traffic safety.

NOTE This manual must be considered as an integral part of the vehicle and must always accompany it, even in case of re-sale.

aprilia has carried out this manual with the maximum attention, in order to supply the user with correct and updated information. However, since **aprilia** constantly improves the design of its products, there may be slight discrepancies between the characteristics of your vehicle and those described in this manual.

For any clarification concerning the information contained in this manual, do not hesitate to contact your **aprilia** Official Dealer.

For control and repair operations not expressly described in this publication, for the purchase of **aprilia** genuine spare parts, accessories and other products, as well as for specific advice, contact exclusively **aprilia** Official Dealers and Service Centers, which guarantee prompt and accurate assistance.

Thank you for choosing **aprilia**. We wish you a nice ride.


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NOTE In some countries the antipollution and noise regulations in force require periodical inspections.

The user of the vehicle in these countries must:

- contact an **aprilia** Official Dealer to have the non-homologated components replaced with others homologated for use in the country in question;
- carry out the required periodical inspections.

NOTE Soon after purchasing the vehicle, write down the identification data indicated on the SPARE PARTS IDENTIFICATION LABEL in the table here below. The label is stuck on the right beam of the frame; to be able to read it, remove the right inspection cover, see p. 59 (REMOVING THE RIGHT AND LEFT INSPECTION COVERS).



YEAR

Y	1	2	3	4
A	B	C	D	E

I.M.

A	B	C	D	E
---	---	---	---	---

SPARE PARTS IDENTIFICATION

I	UK	A	P	SF	B	D	F	E	GR
NL	CH	DK	J	SGP	SLO	IL	ROK	MAL	RCH
HR	AUS	USA	BR	RSA	NZ	CDN			


These data indicate:

- YEAR = year of manufacture (Y, 1, 2, ...);
- I.M. = modification code (A, B, C, ...);
- COUNTRY CODES = homologation country (I, UK, A, ...).

and are to be supplied to the **aprilia** Official Dealer as reference data for the pur-

chase of spare parts or specific accessories of the model you have acquired.


In this manual the various versions are indicated by the following symbols:

- H50** Habana model 50 cm³
- HC50** Habana Custom model 50 cm³
- H125** Habana model 125 cm³
- HC125** Habana Custom model 125 cm³
- ASD** automatic light switching version (Automatic Switch-on Device)
- OPT** optional
-  catalytic version


VERSION:

- | | |
|--------------------------|-------------------------------------|
| I Italy | SGP Singapore |
| UK United Kingdom | SLO Slovenia |
| A Austria | IL Israel |
| P Portugal | ROK South Korea |
| SF Finland | MAL Malaysia |
| B Belgium | RCH Chile |
| D Germany | HR Croatia |
| F France | AUS Australia |
| E Spain | USA United States of America |
| GR Greece | BR Brazil |
| NL Holland | RSA South Africa |
| CH Switzerland | NZ New Zealand |
| DK Denmark | CDN Canada |
| J Japan | |

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aprilia



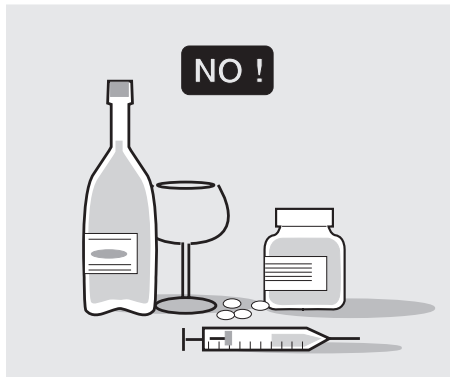
safe drive



BASIC SAFETY RULES

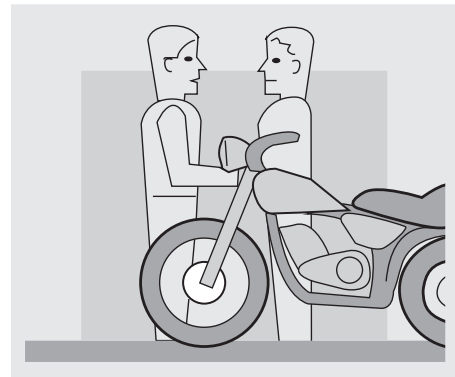
To drive the vehicle it is necessary to be in possession of all the requirements prescribed by law (driving licence, minimum age, psychophysical ability, insurance, state taxes, vehicle registration, number plate, etc.).

Gradually get to know the vehicle by driving it first in areas with low traffic and/or private areas.



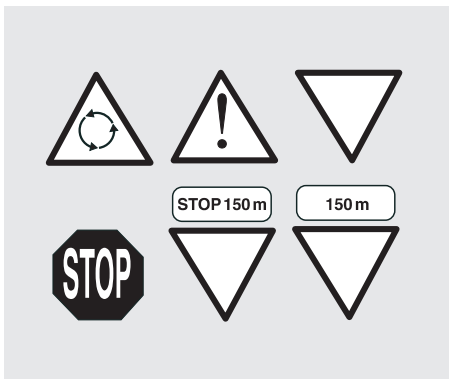
The use of medicines, alcohol and drugs or psychotropic substances notably increases the risk of accidents.

Be sure that you are in good psychophysical conditions and fit for driving and pay particular attention to physical weariness and drowsiness.



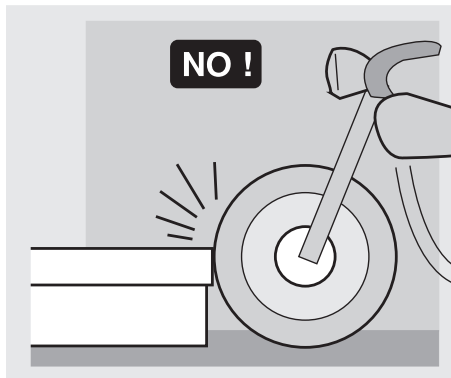
Most road accidents are caused by the driver's lack of experience.

NEVER lend the vehicle to beginners and, in any case, make sure that the driver has all the requirements for driving.



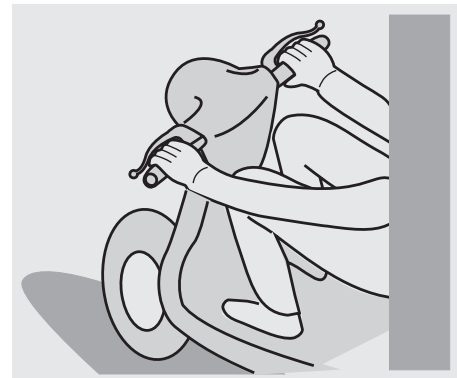
Rigorously observe all road signs and national and local road regulations.

Avoid abrupt movements that can be dangerous for yourself and other people (for example: rearing up on the back wheel, speeding, etc.), and give due consideration to the road surface, visibility and other driving conditions.



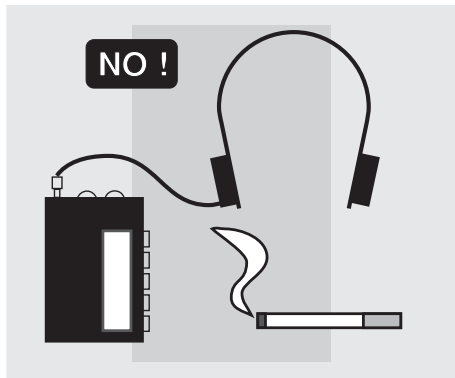
Avoid obstacles that could damage the vehicle or make you lose control.

Avoid riding in the slipstream created by preceding vehicles in order to increase your speed.

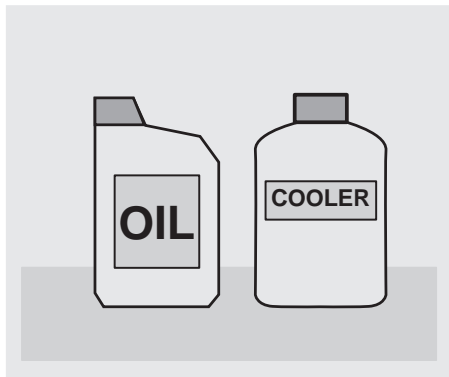


Always keep both hands on the handlebars and both feet on the footboard (or on the footrests), in the correct driving posture.

Avoid standing up or stretching your limbs while driving.



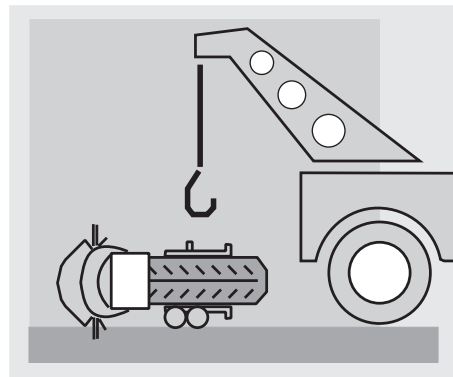
The driver should pay attention and avoid distractions caused by people, things and movements (never smoke, eat, drink, read, etc.) while driving.



Use only the vehicle's specific fuels and lubricants indicated in the "LUBRICANT CHART"; check all oil, fuel and coolant levels regularly.

If the vehicle has been involved in an accident, make sure that no damage has occurred to the control levers, pipes, wires, braking system and vital parts.

If necessary, have the vehicle inspected by an **aprilia** Official Dealer, who should carefully check the frame, handlebars, suspensions, safety parts and all the devices that you cannot check by yourself.



Always remember to report any malfunction to the technicians to help them in their work.

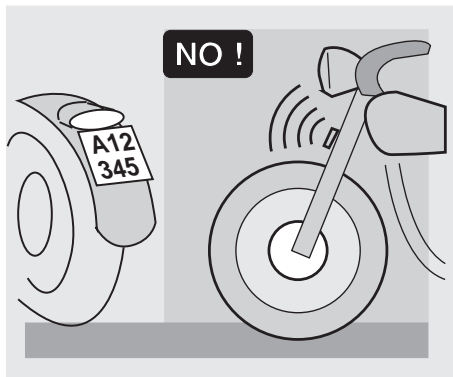
Never use the vehicle when the amount of damage it has suffered endangers your safety.

Never change the position, inclination or colour of: number plate, direction indicators, lights and horns.

Any modification of the vehicle will result in the invalidity of the guarantee.

For only vehicles up to 50 cm³

Any modification of the engine or of other members which is aimed at increasing the speed or the power of the vehicle is prohibited by the law; in fact, any modification resulting in an increase of the maximum speed or of the engine displacement would change the scooter into a motorcycle,

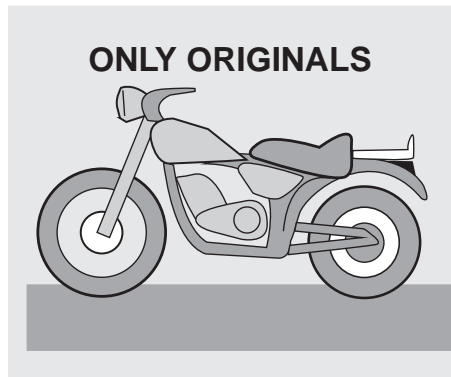


which implies the following obligations for the owner:

- new homologation;
- new registration;
- appropriate driving license.

Further, said modifications cause the loss of the insurance cover, since insurance policies expressly prohibit to make technical changes aimed at increasing the vehicle performance levels.

For the reasons stated above, the failure to comply with the tampering prohibition is punished by law with appropriate sanctions (including the confiscation of the vehicle), which, according to the case, can be combined with the sanctions provided for not using the crash helmet and/or the number plate, for the violation of fiscal obligations (ownership tax) and with penal sanctions provided for using the vehicle without driving license.



For only vehicles over 50 cm³

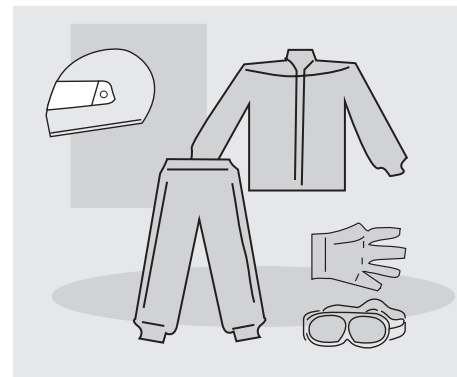
Any modification of the vehicle and/or the removal of original components can compromise vehicle performance levels and safety or even make it illegal.

We recommend respecting all regulations and national and local provisions regarding the equipment of the vehicle.

In particular, avoid all modifications that increase the vehicle's performance levels or alter its original characteristics.

Never race with other vehicles.

Avoid off-road driving.



CLOTHING

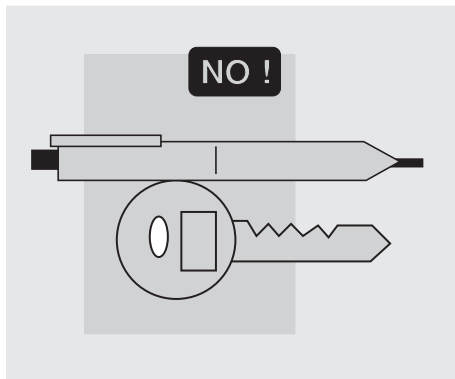
Before starting, always wear a correctly fastened crash helmet. Make sure that it is homologated, in good shape, of the right size and that the visor is clean.

Wear protective clothing, preferably in light and/or reflecting colours.

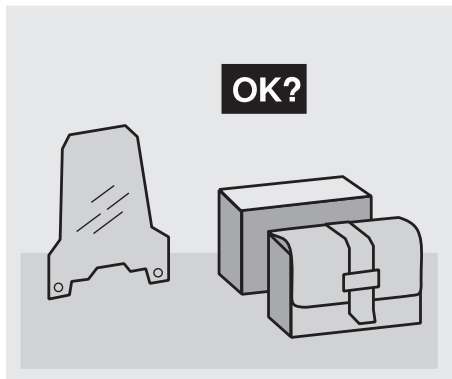
In this way you will make yourself more visible to the other drivers, thus notably reducing the risk of being knocked down, and you will be more protected in case of fall.

This clothing should be very tight-fitting and fastened at the wrists and ankles.

Strings, belts and ties should not be hanging loose; prevent these and other objects from interfering with driving by getting entangled with moving parts or driving mechanisms.



Do not keep objects that can be dangerous in case of fall, for example pointed objects like keys, pens, glass vials etc. in your pockets (the same recommendations also apply to passengers).



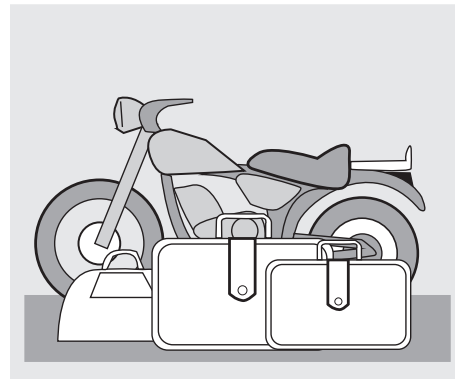
ACCESSORIES

The owner of the vehicle is responsible for the choice, installation and use of any accessory.

Avoid installing accessories that cover horns or lights or that could impair their functions, limit the suspension stroke and the steering angle, hamper the operation of the controls and reduce the distance from the ground and the angle of inclination in turns.

Avoid using accessories that hamper access to the controls, since this can prolong reaction times during an emergency.

Big fairings and windshields installed on the vehicle may produce aerodynamic forces that affect the stability of the vehicle, especially when riding at high speed.



Make sure that the equipment is well fastened to the vehicle and not dangerous during driving. Do not install electrical devices and do not modify those already existing to avoid electrical overloads, because the vehicle could suddenly stop or there could be a dangerous current short-circuit in the horn and in the lights.

aprilia recommends the use of **aprilia** genuine accessories.

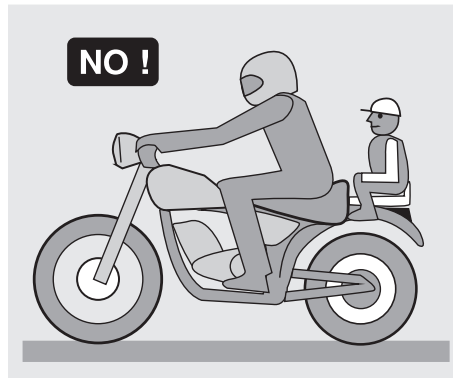
LOAD

Be careful and moderate when loading your luggage. Keep any luggage loaded as close as possible to the center of gravity of the vehicle and distribute the load uniformly on both sides, in order to reduce imbalance to the minimum. Furthermore, make sure that the load is firmly secured to the vehicle, especially during long trips.



Avoid hanging bulky, heavy and/or dangerous objects on the handlebars, mudguards and forks: the vehicle might respond more slowly in turns and its manoeuvrability could be unavoidably impaired.

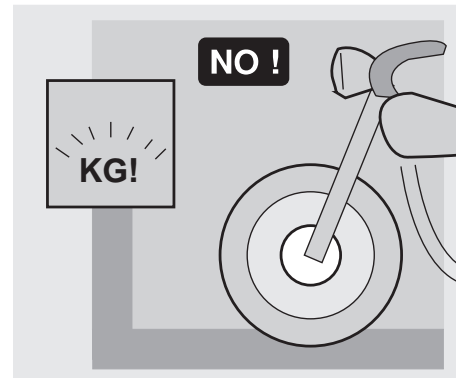
Do not place bags that are too bulky on the vehicle sides, because they could hit people or obstacles, making you lose control of the vehicle.



Do not carry any bag if it is not tightly secured to the vehicle.

Do not carry bags which protrude too much from the luggage-rack or which cover the lights, horn or indicators.

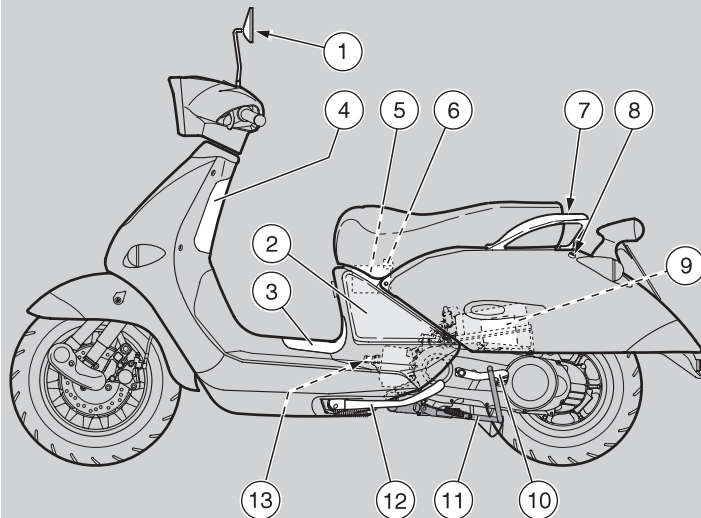
Do not carry animals or children on the glove compartment or on the luggage-rack.



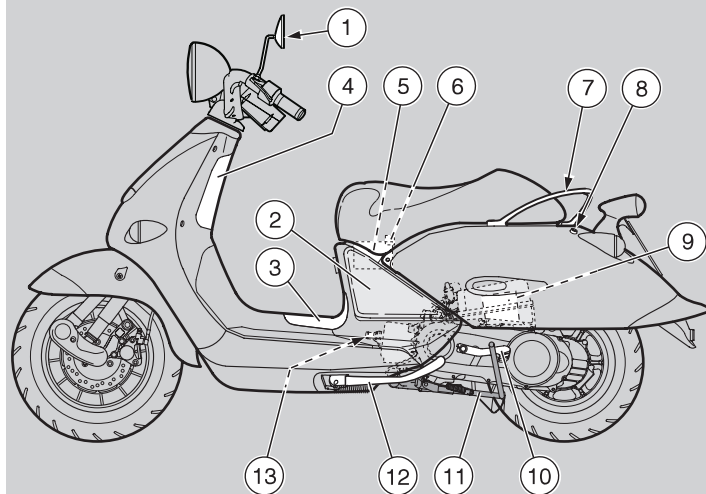
Do not exceed the maximum load allowed for each side-bag.

When the vehicle is overloaded, its stability and its manoeuvrability can be compromised.

H50



HC50



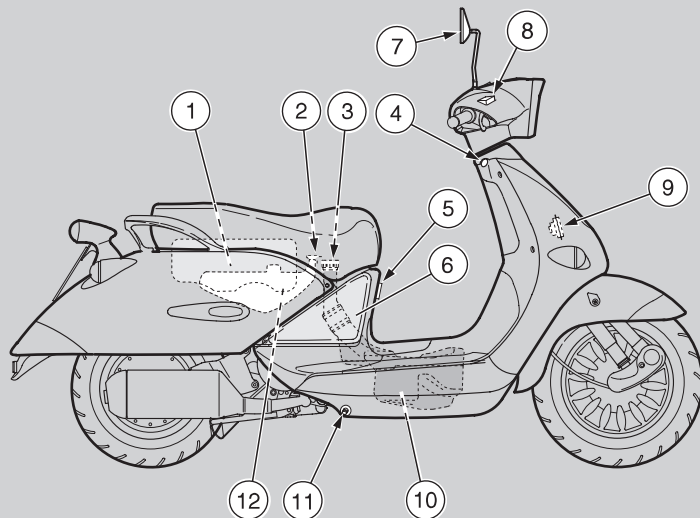
KEY

- 1) Left rear-view mirror
(**H50** not provided in the **UK** version)
- 2) Left inspection cover
- 3) Central inspection cover
- 4) Glove compartment

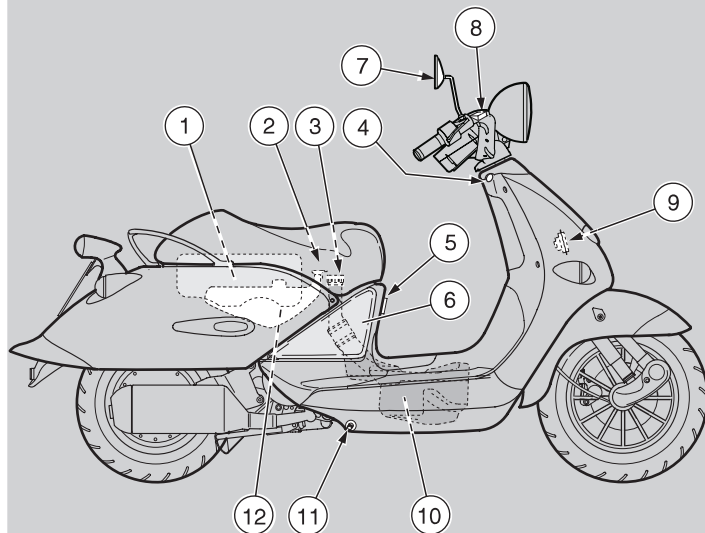
- 5) Battery
- 6) Fuse carrier
- 7) Passenger grab rail
- 8) Saddle lock
- 9) Air cleaner

- 10) Kick starter
- 11) Centre stand
- 12) Side stand **OPT**
- 13) Spark plug

H50



HC50



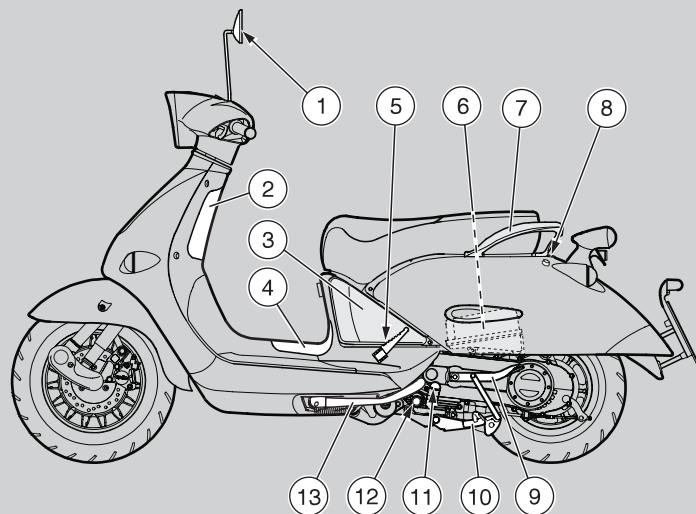
KEY

- 1) Crash helmet / glove compartment
- 2) 2 stroke oil tank plug
- 3) Fuel tank plug
- 4) Ignition switch / steering lock
- 5) Bag hook

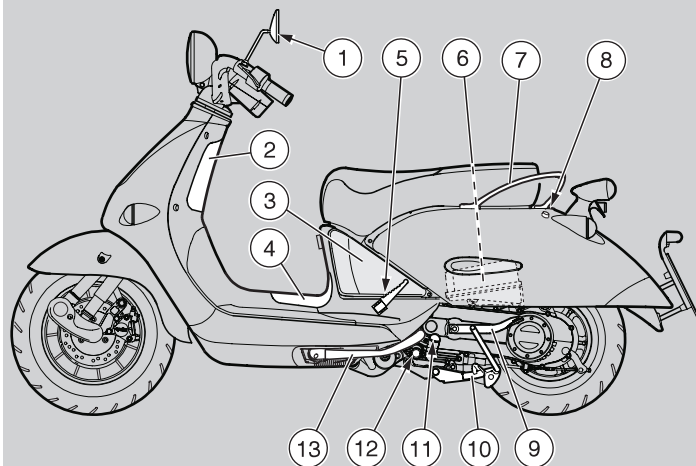
- 6) Right inspection cover
- 7) Right rear-view mirror
(**H50** in the countries where required)
- 8) Brake fluid reservoir (front brake)
- 9) Horn

- 10) Fuel tank
- 11) Anti-theft hook (for the **aprilia** "Body-Guard" armored cable **DPT**).
- 12) 2 stroke oil tank

H125



HC125



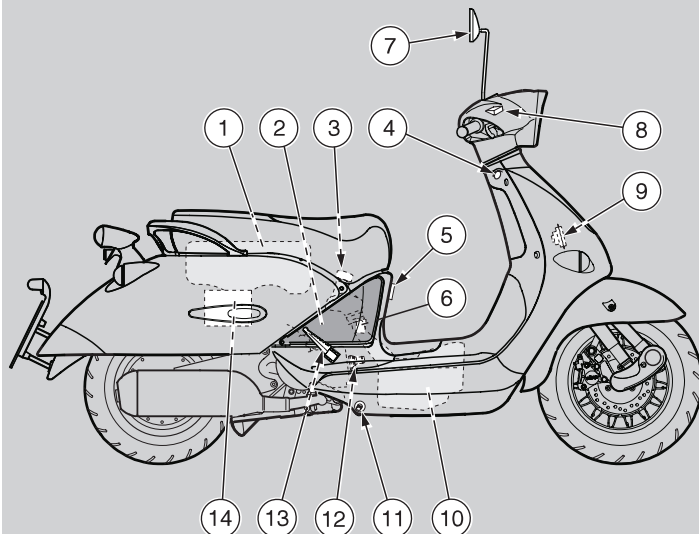
KEY

- 1) Left rear-view mirror
- 2) Glove compartment
- 3) Left inspection cover
- 4) Central inspection cover
- 5) Passenger left footrest

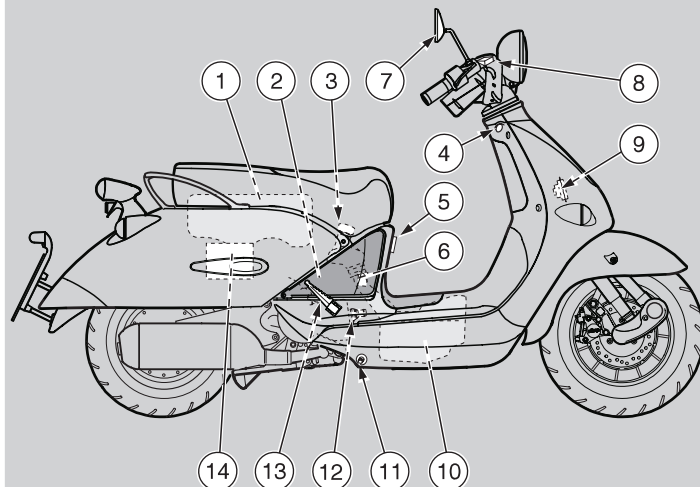
- 6) Air cleaner
- 7) Passenger grab rail
- 8) Saddle lock
- 9) Kick starter
- 10) Centre stand

- 11) Engine oil filler cap
- 12) Engine oil level sight glass
- 13) Side stand **OPT**

H125



HC125



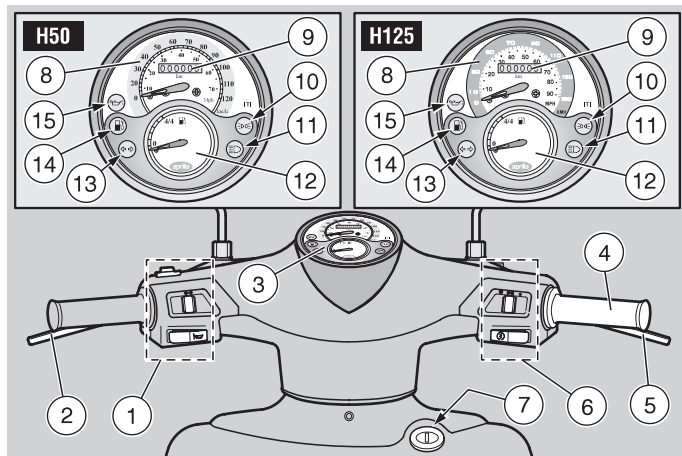
KEY

- 1) Crash helmet / glove compartment
- 2) Right inspection cover
- 3) Fuel tank plug
- 4) Ignition switch / steering lock
- 5) Bag hook
- 6) Fuse carrier

- 7) Right rear-view mirror
- 8) Brake fluid reservoir (front brake)
- 9) Horn
- 10) Fuel tank
- 11) Anti-theft hook (for the **aprilia** "Body-Guard" armored cable **OPT**).

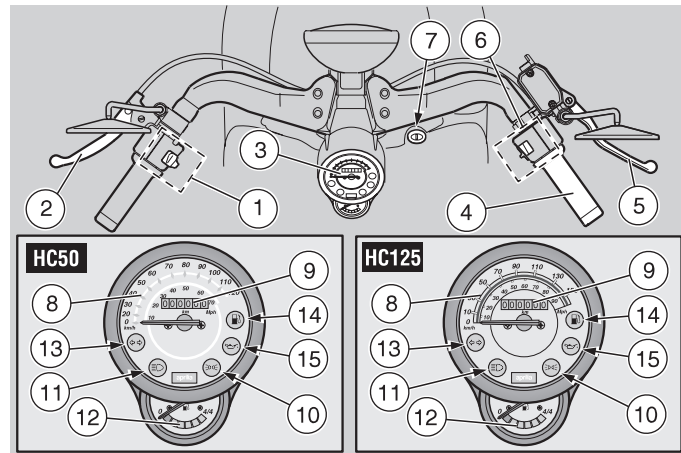
- 12) Spark plug
- 13) Passenger right footrest
- 14) Battery

ARRANGEMENT OF THE CONTROLS / INSTRUMENTS AND INDICATORS












KEY

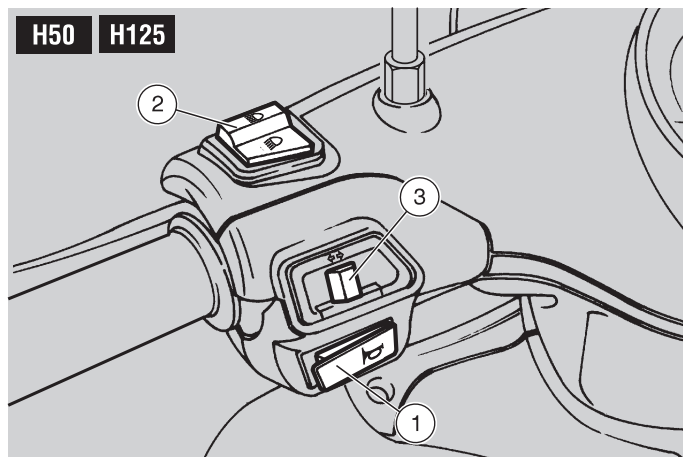
- 1) Electrical controls on the left side of the handlebar
- 2) Rear brake lever
- 3) Instruments and indicators
- 4) Throttle grip
- 5) Front brake lever
- 6) Electrical controls on the right side of the handlebar
- 7) Ignition switch/steering lock (○ - ✕ - Ⓜ)
- 8) Speedometer
- 8) Speedometer – km/h scale only **AUS**



- 9) Total kilometres odometer
- 10) Green low beam and parking light warning light (≡D)
- 11) Blue high beam warning light (≡D)
- 12) Fuel level indicator (Ⓜ)
- 13) Green direction indicator warning light (↔)
- 14) Amber low fuel warning light (Ⓜ)
- 15) **H50 HC50** Red 2 stroke oil reserve warning light (Ⓜ)
- 15) **H125 HC125** Red engine oil pressure warning light (Ⓜ)

INSTRUMENT AND INDICATOR TABLE

Description	Function
Direction indicator warning light 	It blinks when the direction indicators are on.
<div data-bbox="108 296 199 319">H50 HC50</div> 2 stroke oil reserve warning light 	<p>It comes on when the ignition switch is in position “○” and the start push button “Ⓢ” is pressed, thus checking the proper functioning of the bulb. If the light does not come on during the starting, provide for replacing the bulb.</p> <div data-bbox="683 296 922 330">  CAUTION </div> <p>If the warning light comes on and does not go out after the start push button “Ⓢ” has been released, or if it comes on during normal functioning, this means that the 2 stroke oil reserve is being used; in this case, top up the 2 stroke oil tank, see p. 26 (H50 HC50 2 STROKE OIL).</p>
<div data-bbox="108 543 199 565">H125 HC125</div> Engine oil pressure warning light 	<p>It comes on every time the ignition switch is brought to position “○” and the engine is not running, thus testing the correct operation of the bulb. If during this phase the lamp does not turn on, it must be replaced. The warning light must go off when the engine is running.</p> <div data-bbox="683 565 922 599">  CAUTION </div> <p>If the warning light comes on during the normal running of the engine, this means that the oil pressure in the circuit is insufficient. In this case, immediately stop the engine and contact your aprilia Official Dealer.</p>
Total kilometres odometer	It indicates the total number of kilometres covered.
Speedometer	It indicates the driving speed.
Parking light and low beam warning light 	Comes on when the lights are on.
High beam warning light 	It comes on when the headlight in high beam position.
Low fuel warning light 	It comes on when the quantity of fuel left in the tank is about 2 ℓ.
Fuel level indicator 	It indicates the approximate fuel level in the tank.



CONTROLS ON THE LEFT SIDE OF THE HANDLEBAR

NOTE The electrical parts work only when the ignition switch is in position “O”.

NOTE The lighting system works only when the engine is running.

1) HORN PUSH BUTTON (🔊)

The horn is activated when the push button is pressed.

2) DIMMER SWITCH (☞ - ☞)

When the light switch is in position “☞”: if the dimmer switch is in position “☞☞”, the high beam comes on, while if it is in position “☞☞”, the low beam comes on.

2) DIMMER SWITCH (☞ - ☞) ASD

When it is in position “☞☞” the parking lights, the dashboard light and the low beam are always on.

When it is in position “☞☞”, the high beam comes on.

NOTE The lights can be switched off only by stopping the engine.

3) DIRECTION INDICATOR SWITCH (↔)

To indicate the turn to the left, move the switch to the left; to indicate the turn to the right, move the switch to the right.

To turn off the direction indicator, press the switch.

CONTROLS ON THE RIGHT SIDE OF THE HANDLEBAR

NOTE The electrical parts work only when the ignition switch is in position “○”.

NOTE The lighting system works only when the engine is running.

1) LIGHT SWITCH (☀ - ☹ - ●) (ASD not provided)

NOTE Before operating the light switch, make sure that the dimmer switch (☹ - ☹) is in position “☹”.

When the light switch is in position “●”, the lights are off; when the switch is in position “☹”, the parking lights and the dashboard light are on; when the switch is in position “☀”, the parking lights, the dashboard light and the low beam are on. The high beam can be operated by means of the dimmer switch (☹ - ☹).

1a) ENGINE STOP SWITCH (○ - ☒) (in the countries where required)

⚠ CAUTION

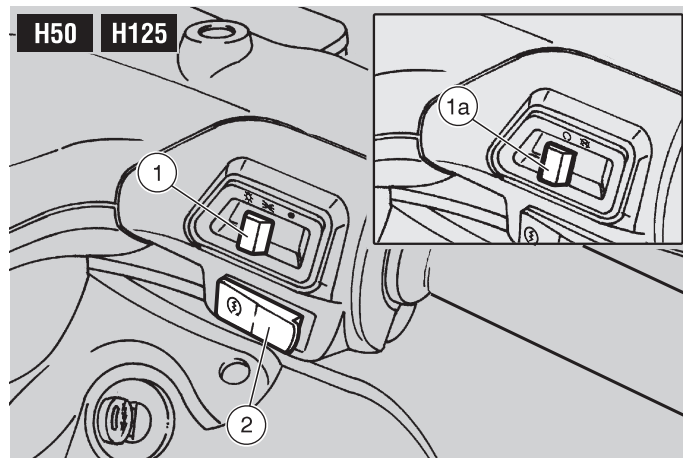
Do not operate the engine stop switch “○ - ☒” in running conditions.

This is a safety or emergency switch. With the switch in position “○”, it is possible to start the engine; the engine can be stopped by moving the switch to position “☒”.

⚠ CAUTION

With stopped engine and ignition switch in position “○”, the battery may run down.

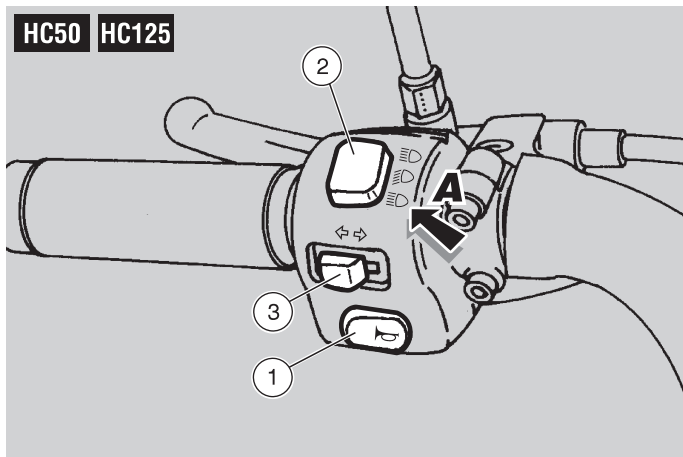
When the vehicle has come to a halt, stop the engine, and move the ignition switch to position “☒”.



2) START PUSH BUTTON (Ⓢ)

When the start push button is pressed and one of the brake levers (front or rear) is activated at the same time, the starter makes the engine run.

For the starting procedure, see p. 34 (STARTING)



CONTROLS ON THE LEFT SIDE OF THE HANDLEBAR

NOTE The electrical parts work only when the ignition switch is in position "O".

NOTE The lighting system works only when the engine is running.

1) HORN PUSH BUTTON (🔊)

The horn is activated when the push button is pressed.

2) DIMMER SWITCH (☰ - ☷ - ☶)

When the light switch is in position "☼": if the dimmer switch is in position "☷", the high beam comes on, while if it is in position "☶", the low beam comes on.

The high beam signaller is operated by pressing the dimmer switch (☰ - ☷ - ☶) to position (A) (☷), independently of the position of the light switch (☼ - ☹ - ☹).

NOTE When the dimmer switch is released, the high beam signaller is disconnected.

2) DIMMER SWITCH (☰ - ☷ - ☶) ASD J

When it is in position "☷" the parking lights, the dashboard light and the low beam are always on.

When it is in position "☶", the high beam comes on.

The high beam signaller is operated by pressing the dimmer switch (☰ - ☷ - ☶) to position (A) (☷).

NOTE When the dimmer switch is released, the high beam signaller is disconnected.

NOTE The lights can be switched off only by stopping the engine.

3) DIRECTION INDICATOR SWITCH (↔)

To indicate the turn to the left, move the switch to the left; to indicate the turn to the right, move the switch to the right.

To turn off the direction indicator, press the switch.

CONTROLS ON THE RIGHT SIDE OF THE HANDLEBAR

NOTE The electrical parts work only when the ignition switch is in position “○”.

NOTE The lighting system works only when the engine is running.

1) LIGHT SWITCH (☀ - ☹ - ●) (ASD J not provided)

NOTE Before operating the light switch, make sure that the dimmer switch (☹ - ☹ - ☹) is in position “☹”.

When the light switch is in position “●”, the lights are off; when the switch is in position “☹”, the parking lights and the dashboard light are on; when the switch is in position “☀”, the parking lights, the dashboard light and the low beam are on. The high beam can be operated by means of the dimmer switch (☹ - ☹ - ☹).

2) ENGINE STOP SWITCH (○ - ☹)

⚠ CAUTION

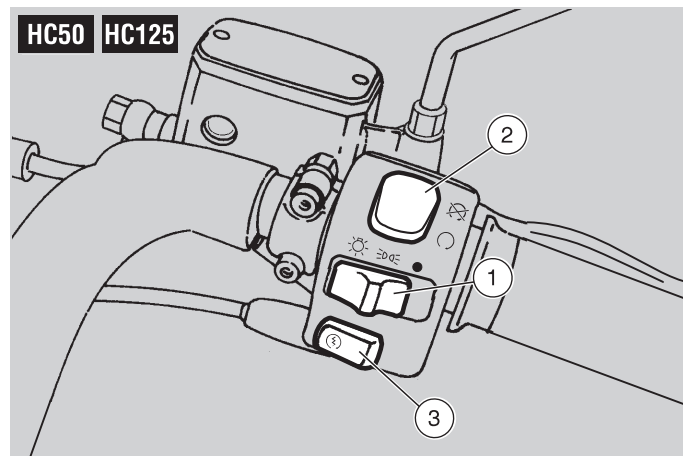
Do not operate the engine stop switch “○ - ☹” in running conditions.

This is a safety or emergency switch. With the switch in position “○”, it is possible to start the engine; the engine can be stopped by moving the switch to position “☹”.

⚠ CAUTION

With stopped engine and ignition switch in position “○”, the battery may run down.

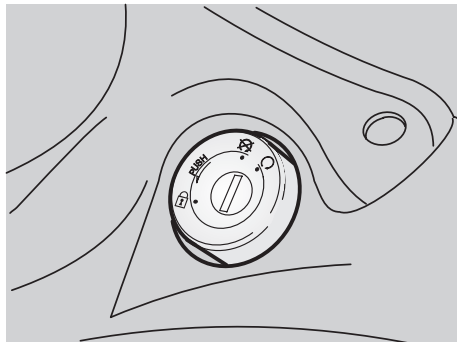
When the vehicle has come to a halt, stop the engine, and move the ignition switch to position “☹”.



3) START PUSH BUTTON (Ⓢ)

When the start push button is pressed and one of the brake levers (front or rear) is activated at the same time, the starter makes the engine run.

For the starting procedure, see p. 34 (STARTING)



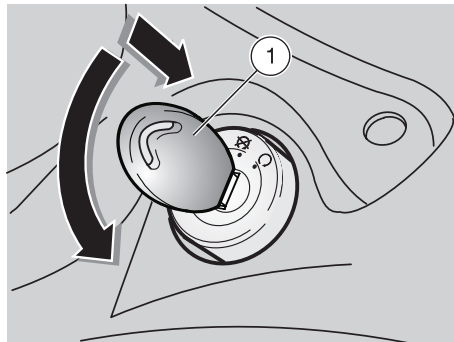
IGNITION SWITCH

The ignition switch is positioned on the right side, near the steering column.

NOTE The key (1) operates the ignition switch/steering lock, glove compartment and the saddle lock.

Two keys are supplied together with the vehicle (one spare key).

NOTE Do not keep the spare key on the vehicle.



STEERING LOCK




⚠ WARNING

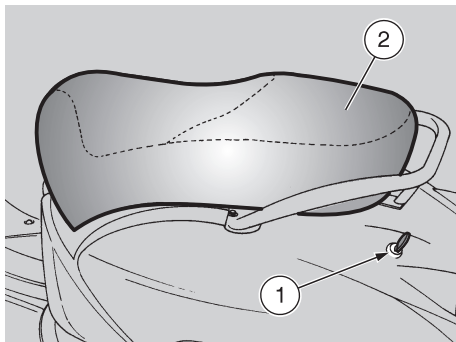
Never turn the key to position “🔒” in running conditions, in order to avoid losing control of the vehicle.

OPERATION

To lock the steering:

- ◆ Turn the handlebar completely leftwards.
- ◆ Turn the key to position “🔒”.
- ◆ Press the key and rotate it to position “🔑”.
- ◆ Extract the key.

Position	Function	Key removal
 Steering lock	The steering is locked. It is neither possible to start the engine, nor to switch on the lights.	It is possible to remove the key.
	Neither the engine, nor the lights can be switched on.	It is possible to remove the key.
	The engine and the lights can be switched on.	It is not possible to remove the key.



UNLOCKING / LOCKING THE SADDLE

To unlock and lift the saddle:

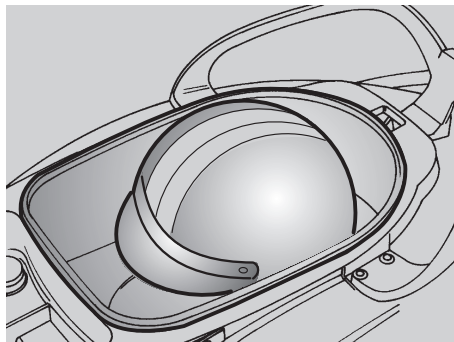
- ◆ Position the vehicle on the stand.
- ◆ Insert the key in the saddle lock (1).
- ◆ Rotate the key anticlockwise and raise the saddle (2).

NOTE Before lowering and locking the saddle, make sure that you have not left the key in the crash helmet / glove compartment.

- ◆ To lock the saddle, lower and press it (without exerting too much pressure), thus making the lock snap shut.

⚠ WARNING

Before leaving, make sure that the saddle is properly locked.



CRASH HELMET / GLOVE COMPARTMENT

Thanks to the crash helmet/glove compartment, you no longer have to carry the crash helmet or other objects with you every time you park the vehicle.

The compartment is positioned under the saddle and can contain a "JET" helmet.

To reach it:

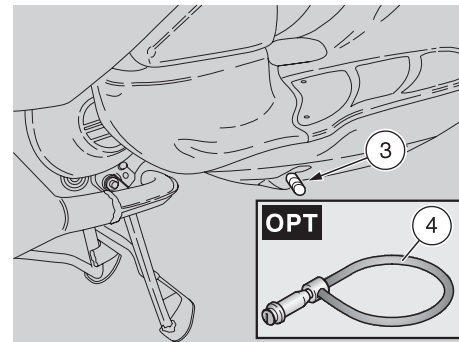
- ◆ Raise the saddle (2), see beside (UNLOCKING / LOCKING THE SADDLE).

NOTE Position the helmet with the opening facing downwards, as indicated in the figure.

⚠ WARNING

Do not load the crash helmet / glove compartment too much.

Maximum allowed weight: 2.5 kg.



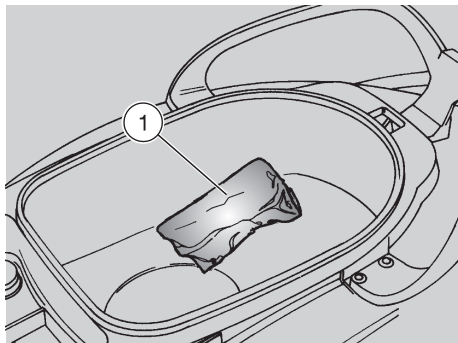
ANTI-THEFT HOOK

The anti-theft hook (3) is positioned on the right side of the vehicle, near the rider's footboard.

To prevent the vehicle from being stolen, it is advisable to secure it with the **aprilia** "Body-Guard" armored cable **OPT** (4), available at any **aprilia** Official Dealer.

⚠ WARNING

Do not use the hook to lift the vehicle or for any purpose other than securing the vehicle once it has been parked.



TOOL KIT

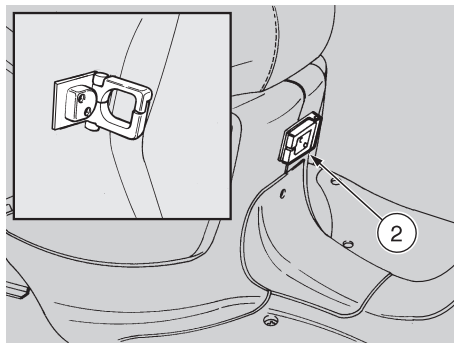
The tool kit is positioned inside the crash helmet / glove compartment.

To reach it, proceed as follows:

- ◆ Lift the saddle, see p. 23 (UNLOCKING / LOCKING THE SADDLE)
- ◆ Take the tool kit (1).

The tool kit (1) includes:

- n. 1 tool case
- **H50** **HC50** n. 1 21 mm spark plug socket spanner
- **H125** **HC125** n. 1 16 mm spark plug socket spanner
- n. 1 socket spanner rod
- n. 1 8/10 mm socket spanner
- n. 1 double-ended, cross-/cut headed-screwdriver type PH size 2
- n. 1 screwdriver handle
- n. 1 3 mm hexagon spanner
- n. 1 4 mm hexagon spanner



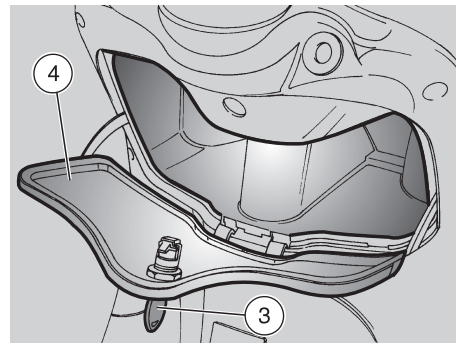
BAG HOOK

⚠ WARNING

Do not hang excessively bulky bags or parcels to the hook, as this may seriously compromise the manoeuvrability of the vehicle or the movement of your feet.

The bag hook (2) is positioned under the front part of the saddle.

Max. allowed weight: 1.5 kg.



GLOVE COMPARTMENT

It is placed under the handlebar, on the inner part of the shield.

To reach it:

- ◆ Introduce the ignition key (3) in the lock.
- ◆ Turn the key clockwise, pull it and open the door (4).

⚠ CAUTION

Before locking the door, make sure that you have not left the key in the glove compartment.

To lock the door (4), raise and press it. It is not necessary to use the key.

Maximum allowed weight: 1.5 kg.

MAIN COMPONENTS

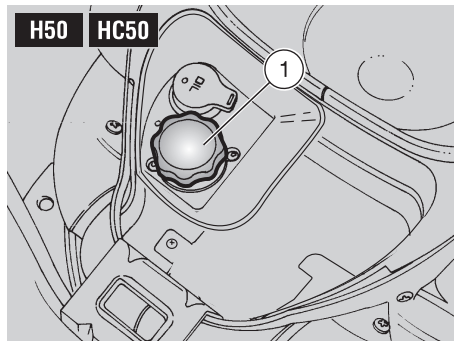
FUEL

⚠ WARNING

The fuel used for internal combustion engines is extremely inflammable and in particular conditions it can become explosive. It is important to carry out the refuelling and the maintenance operations in a well-ventilated area, with the engine off. Do not smoke while refuelling or near fuel vapours, in any case avoid any contact with naked flames, sparks and any other heat source to prevent the fuel from catching fire or from exploding.

Further, prevent fuel from flowing out of the fuel filler, as it could catch fire when getting in contact with the red-hot surfaces of the engine.

In case some fuel has accidentally been spilt, make sure that the area is completely dry before starting the vehicle. Since petrol expands under the heat of the sun and due to the effects of sun radiation, never fill the tank to the brim. Screw the cap carefully after refuelling. Avoid any contact of the fuel with the skin and the inhalation of vapours; do not swallow fuel or pour it from a receptacle into another by means of a tube.



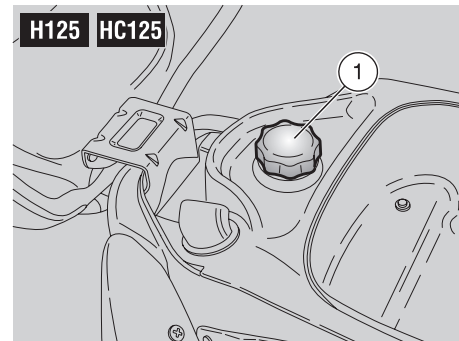
DO NOT DISPOSE OF FUEL IN THE ENVIRONMENT.

KEEP AWAY FROM CHILDREN.

Use only premium grade petrol (4 Stars **UK**), in conformity with the DIN 51600 standard, min. O.N. 98 (N.O.R.M.) and 88 (N.O.M.M.).

⚙ Use only unleaded petrol, in conformity with the DIN 51607 standard, min. O.N. 95 (N.O.R.M.) and 85 (N.O.M.M.).

Leaded (4 Stars **UK**) or unleaded premium grade petrol, min. O.N. 95 (N.O.R.M.) and 85 (N.O.M.M.).



To refuel, proceed as follows:

- ◆ Lift the saddle, see p. 23 (UNLOCKING / LOCKING THE SADDLE)
- ◆ Unscrew and remove the fuel tank plug (1).

FUEL TANK CAPACITY (reserve included):

– **H50 HC50** 7,5 ℓ

– **H125 HC125** 8 ℓ

TANK RESERVE: 2 ℓ

- ◆ Refuel.

⚠ WARNING

After refuelling, put back the cap (1) in the correct position.

- ◆ Put back the cap (1).

LUBRICANTS

⚠ WARNING

Oil can cause serious damage to the skin if handled every day and for long periods.

Wash your hands carefully after using oil.

In case any maintenance operation has to be carried out, it is advisable to use latex gloves.

KEEP AWAY FROM CHILDREN.

DO NOT DISPOSE OF OIL IN THE ENVIRONMENT.

⚠ CAUTION

Proceed with care.

Do not spill the oil!

Take care not to smear any component, the area in which you are working and the surrounding area.

Carefully remove any trace of oil.

In case of leakages or malfunctions, contact an **aprilia** Official Dealer.

H50 HC50 2 STROKE OIL

Top up the 2 stroke oil tank every 500 km (312 mi).

The vehicle is provided with a separate mixer that makes it possible to mix petrol with oil for the lubrication of the engine, see p. 86 (LUBRICANT CHART **H50 HC50**).

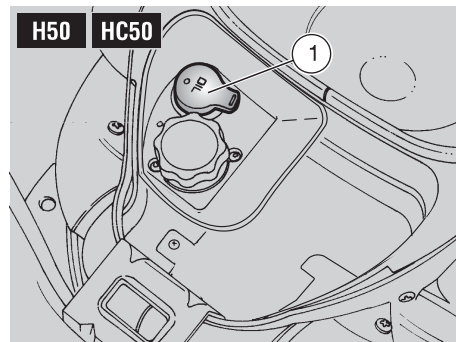
The reserve is indicated by the coming on of the 2 stroke oil reserve warning light "⚡" positioned on the dashboard, see p. 16 and 17 (ARRANGEMENT OF THE CONTROLS / INSTRUMENTS AND INDICATORS).

⚠ CAUTION

The use of the vehicle without 2 stroke oil causes serious damages to the engine.

If you run out of oil in the 2 stroke oil tank or if the mixer oil pipe has been removed, it is necessary to contact an **aprilia** Official Dealer, who will provide for bleeding the system.

This operation is indispensable, since the operation of the engine with air in the mixer oil system may cause serious damages to the engine itself.



To top up the 2 stroke oil tank, proceed as follows:

- ◆ Lift the saddle, see p. 23 (UNLOCKING / LOCKING THE SADDLE).
- ◆ Remove the plug (1).

2 STROKE OIL TANK CAPACITY: 1.4 ℓ

TANK RESERVE: 0.4 ℓ

- ◆ Top up the 2 stroke oil tank.

⚠ CAUTION

After refuelling, put back the cap (1) in the correct position.

- ◆ Put back the cap (1).



H125 HC125 ENGINE OIL

Always check the engine oil level before starting the vehicle, see p. 49 (CHECKING THE ENGINE OIL LEVEL AND TOPPING UP **H125 HC125**).

NOTE Use high-quality oils, see p. 87 (LUBRICANT CHART **H125 HC125**).

⚠ CAUTION

When topping up the engine oil, never exceed the "MAX" level.

It is necessary to have the engine oil changed after the first 1000 km (625 mi) and successively every 3000 km (1875 mi).

For the oil change, contact an **aprilia** Official Dealer.



TRANSMISSION OIL

_____ **H50 HC50** _____
Have the transmission oil level checked every 4000 km (2500 mi).

It is necessary to have the transmission oil changed after the first 500 km (312 mi) and successively every 12000 km (7500 mi).

_____ **H125 HC125** _____
Have the transmission oil level checked every 12000 km (7500 mi).

It is necessary to have the transmission oil changed after the first 1000 km (625 mi) and successively every 24000 km (15000 mi).

To check the oil level and to change the oil, contact an **aprilia** Official Dealer.

BRAKE FLUID - recommendations

⚠ WARNING

Sudden resistance or clearance problems on the brake lever may be due to troubles in the hydraulic system.

For any doubt regarding the perfect functioning of the braking system and in case you are not able to carry out the usual checking operations, contact your **aprilia** Official Dealer. Pay special attention to the brake disc and friction material, making sure that they are neither dirty nor oily, especially after maintenance operations or inspections. Make sure that the brake pipe is neither twisted nor worn out.

KEEP AWAY FROM CHILDREN.

DO NOT DISPOSE OF THE FLUID IN THE ENVIRONMENT.

FRONT BRAKE DISC

⚠ WARNING

The brakes are the parts that most ensure your safety and for this reason they must always be perfectly working; check them before every trip.

A dirty disc soils the pads, with consequent reduction of the braking efficiency. Dirty pads must be replaced, while dirty discs must be cleaned with a high-quality degreaser.

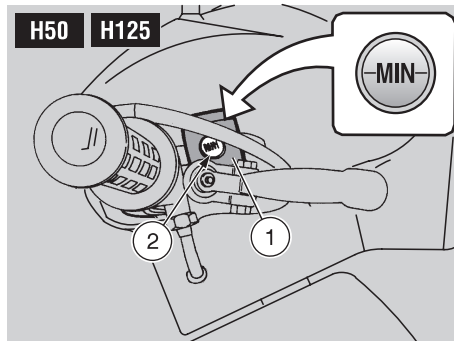
The brake fluid must be changed every two years by an **aprilia** Official Dealer.

For any doubt regarding the perfect functioning of the braking system and in case you are not able to carry out the usual checking operations, contact your **aprilia** Official Dealer.

This vehicle is provided with front hydraulic disc brake.

When the disc pads wear out, the level of the fluid decreases to automatically compensate for their wear.

The brake fluid reservoir (1) is positioned near the front brake lever coupling. Periodically check the brake fluid level in the reservoir (1) and the pad wear, see p. 52 (CHECKING THE BRAKE PAD WEAR)



⚠ WARNING

Do not use the vehicle if the braking system leaks fluid.

CHECKING

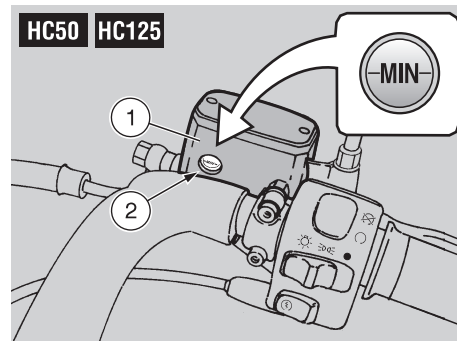
To check the brake fluid level, proceed as follows:

NOTE Position the vehicle on firm and flat ground.

- ◆ Position the vehicle on the centre stand.
- ◆ Rotate the handlebar, so that the fluid contained in the brake reservoir is parallel to the “MIN” mark stamped on the glass gauge (2).
- ◆ Make sure that the fluid contained in the reservoir exceeds the “MIN” mark stamped on the glass gauge (2).

MIN = minimum level.

If the fluid does not reach at least the “MIN” mark:



⚠ CAUTION

When the disc pads wear out, the level of the fluid decreases progressively to compensate for their wear.

- ◆ Check the brake pad wear, see p. 52 (CHECKING THE BRAKE PAD WEAR) and the disc wear.

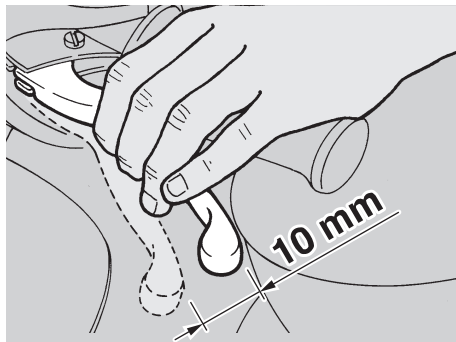
If the pads and / or the disc do not need replacing:

- ◆ Contact an **aprilia** Official Dealer, who will provide for topping up.

⚠ CAUTION

Check the braking efficiency.

In case of excessive stroke of the brake lever or reduced efficiency of the braking system, contact an **aprilia** Official Dealer, since it may be necessary to bleed the system.

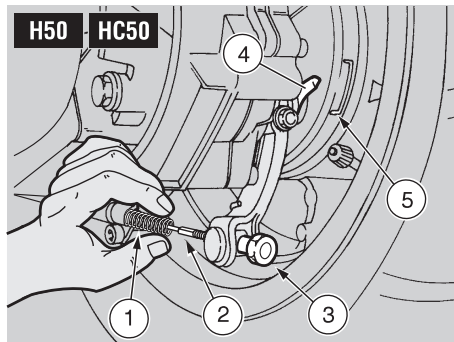


REAR DRUM BRAKE

⚠ WARNING

The brakes are the parts that most ensure your safety and for this reason they must always be perfectly working.

For any doubt regarding the perfect functioning of the braking system and in case you are not able to carry out the usual checking operations, contact your **aprilia** Official Dealer.

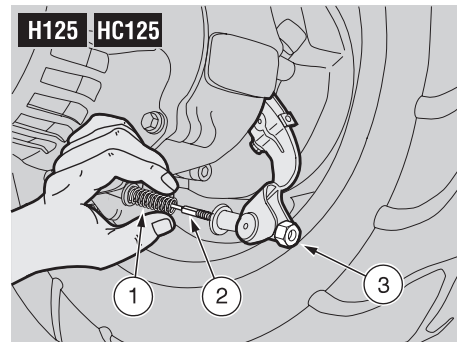


ADJUSTING THE BRAKE

- ◆ Measure the distance covered by the lever before the brake starts its braking action. The idle stroke at the end of the brake lever must be about 10 mm.

To adjust the clearance, proceed as follows:

- ◆ Force the spring (1) to reach the seat (2) of the threaded rod.
- ◆ Lock the rotation of the threaded rod by acting on the appropriate seat (2) with a spanner.
- ◆ Act on the adjuster (3).
- ◆ Put on the brake repeatedly and make sure that the wheel turns freely after the brake has been released.
- ◆ Check the braking efficiency.



⚠ CAUTION

The fact that the adjuster (3) can be tightened completely or the indicator (4) is positioned beyond the reference tooth (5) indicates that the brake shoes are worn; in this case, see p. 53 (CHECKING THE SHOE WEAR).

If the adjuster (3) can be screwed up completely, this means that the brake shoes are worn out. In this case, see p. 53 (CHECKING THE SHOE WEAR).



TYRES

This vehicle is provided with tubeless tyres.

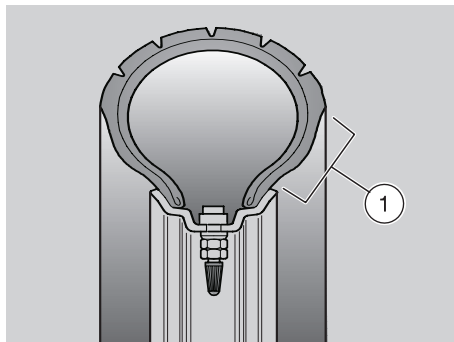
WARNING

Periodically check the tyre inflation pressure at room temperature, see p. 82 (TECHNICAL DATA)

If the tyres are hot, the measurement is not correct.

Carry out the measurement especially before and after long rides.

If the inflation pressure is too high, the ground unevenness cannot be dampened and is therefore transmitted to the handlebar, thus compromising the driving comfort and reducing road holding during turns.



If, on the contrary, the inflation pressure is too low, the tyre sides (1) are under greater stress and the tyre itself may slip on the rim or it may become loose, with consequent loss of control of the vehicle.

In case of sudden braking the tyres could even get out of the rims. Further, the vehicle could skid while turning.

Check the surface and the wear of the tyres, since tyres in bad conditions can impair both the grip and the controllability of the vehicle.

Some types of tyres homologated for this vehicle are provided with wear indicators.

There are several kinds of wear indicators.

For more information on how to check the wear, contact your Dealer.

Visually check if the tyres are worn and in this case have them changed.

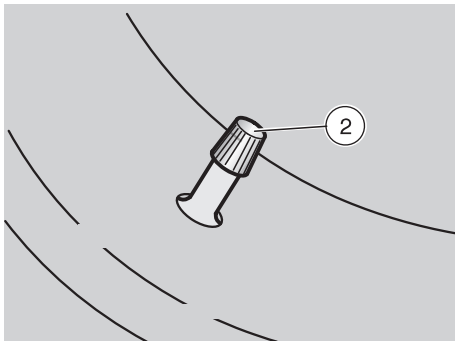
If the tyres are old, even if not completely worn out, they may become hard and may not ensure good road holding. In this case, have the tyres changed.

Change the tyre when it is worn out or in case of puncture on the tread side, if the puncture is larger than 5 mm.

After repairing a tyre, have the wheels balanced.

Use only tyres in the size suggested by **aprilia**, see p. 82 (TECHNICAL DATA).

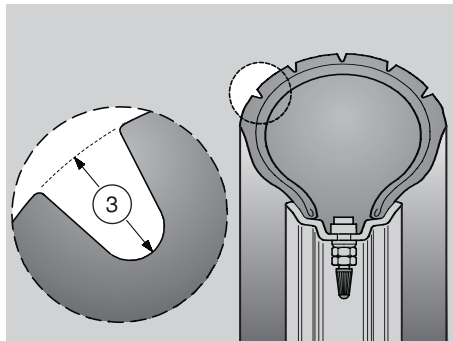
Do not install tyres with air tube on rims for tubeless tyres and viceversa.



Make sure that the tyres always have their valve sealing caps (2) on, to prevent them from suddenly going flat.

Change, repair, maintenance and balancing operations are very important and should be carried out by qualified technicians with appropriate tools.

For this reason, it is advisable to have the above mentioned operations carried out by an **aprilia** Official Dealer or by a qualified tyre repairer.



If the tyres are new, they may still be covered with a slippery film: drive carefully for the first miles. Do not oil the tyres with unsuitable fluids.

MINIMUM TREAD DEPTH LIMIT (3)

front: 1.5 mm (USA 3 mm)
rear: 1.5 mm (USA 3 mm)



AUTOMATIC LIGHT SWITCHING VERSION ASD

The vehicles provided with the Automatic Switch-on Device can be immediately recognized, since the lights come automatically on as soon as the engine is started.

For this reason, no light switch "☀ - ☹ - •" is provided.

The lights can be switched off only by stopping the engine.

♦ Before starting the vehicle, make sure that the dimmer switch is in position "☹" (front low beam).



H50 HC50 CATALYTIC SILENCER

⚠ WARNING

Avoid parking the vehicle catalytic version near dry brush wood or in places easily accessible to children, as the catalytic silencer becomes extremely hot during use; be very careful and avoid any kind of contact before it has completely cooled down.

The catalytic vehicle is fitted with a silencer with metal catalytic converter of the "platinum-rhodium bivalent" type.

This device provides for the oxidation of the CO (carbon monoxide) and of the HC (unburned hydrocarbons) contained in the exhaust gases, changing them into carbon dioxide and steam, respectively.

Due to the catalytic reaction, the high temperature reached by the exhaust gases makes for the burning of the oil particles, thus keeping the silencer clean and eliminating the exhaust fumes.

To have the catalytic converter function correctly and for long and to reduce possible problems regarding the soiling of the thermal unit and of the exhaust, it is necessary to avoid covering long distances with the engine running at constantly low rpm.

It is sufficient to alternate these periods with periods in which the engine runs at relatively high rpm, even if only for a few seconds, but rather frequently.

What has been stated above assumes particular importance for the cold starting of the engine: in this case, in order to reach a rpm regime sufficient to enable the "priming" of the catalytic reaction, just make sure that the temperature of the thermal unit has reached at least 50°C, which generally occurs a few seconds after starting the engine.

⚠ CAUTION

Do not use leaded petrol, since it causes the destruction of the catalytic converter.

EXHAUST SILENCER

⚠ WARNING

Tampering with the noise control system is prohibited.

Owners are warned that the law may prohibit:

- the removal or rendering inoperative by any person, other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle – for the purpose of noise control – prior to its sale or delivery to the ultimate purchaser or while it is in use; and
- the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Check the exhaust silencer and the silencer pipes, making sure that there are neither signs of rust, nor holes and that the exhaust system works effectively.

If the noise produced by the exhaust system increases, immediately contact your **aprilia** Official Dealer.

INSTRUCTIONS FOR USE

⚠ WARNING

Before departure, always carry out a preliminary checking of the vehicle, to make sure that it functions correctly and safely, see the following table PRELIMINARY CHECKING OPERATIONS.

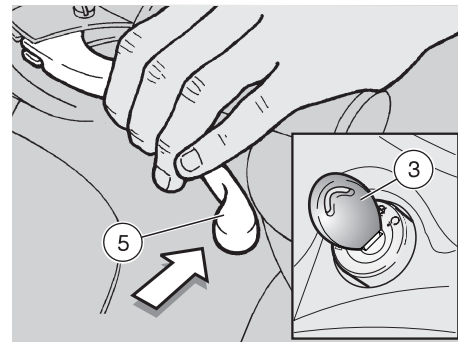
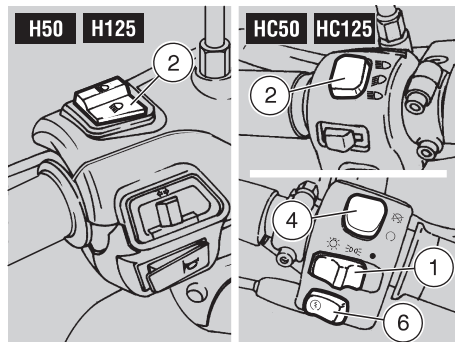
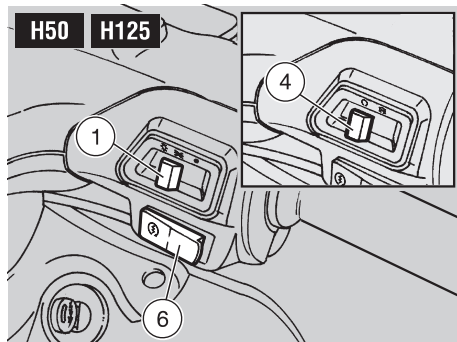
The non-performance of these checking operations can cause severe personal injuries or damages to the vehicle.

Do not hesitate to consult your **aprilia** Official Dealer in case there is something you do not understand about the functioning of some controls or in case you suspect or discover some irregularities.

It does not take long to carry out a check-up and this operation ensures you much more safety.

PRELIMINARY CHECKING OPERATIONS

Component	Check	Page
Front brake	Check the functioning, the fluid level and make sure there are no leaks. Check the wear of the pads. Top up, if necessary.	27, 28, 52
Rear drum brake	Check the functioning, the idle stroke and the control lever conditions. If the clearance is not correct, adjust it.	29, 53
Accelerator	Make sure that it works smoothly and that it is possible to open and close it completely, in all steering positions. If necessary, adjust and/or lubricate it.	62
H50 HC50 2 stroke oil	Check and top up, if necessary.	26
H125 HC125 engine oil	Check and top up, if necessary.	27, 49
Wheel / tyres	Check the tyre surface, the inflation pressure, wear and tear and any damage.	30
Brake levers	Make sure that they work smoothly. If necessary, lubricate the articulations.	28, 29
Steering	Make sure that the steering rotates smoothly, without any clearance or slackening.	54
Centre stand, side stand OPT	Make sure that they work smoothly and that the spring tension brings it back to its normal position. If necessary, lubricate joints and hinges.	60
Fastening elements	Make sure that the fastening elements are not loose. If necessary, adjust or tighten them.	—
Fuel tank	Check the fuel level and top up, if necessary. Make sure there are no leaks or occlusions in the circuit.	25
Engine stop switch (○ - ✕) (in the countries where required)	Make sure that it functions correctly	19, 21
Lights, warning lights, horn and electric devices	Check the proper functioning of all the devices. Change the bulbs or intervene in case of failure.	64 - 78



STARTING

⚠ WARNING

Exhaust gases contain carbon monoxide, which is extremely noxious if inhaled.

Avoid starting the vehicle in closed or badly-ventilated rooms.

The non-observance of this warning may cause loss of consciousness or even lead to death by asphyxia.

Do not get on the vehicle for the starting.

Do not start the engine with the vehicle positioned on the side stand.

ELECTRIC STARTING

- ◆ Position the vehicle on the centre stand.
- ◆ Make sure that the light switch (1) is in position "●".
- ◆ Make sure that the dimmer switch (2) is in position "☞".

- ◆ Turn the ignition switch (3) to position "O".
- ◆ Move the engine stop switch (4) to position "O", (in the countries where required).

⚠ CAUTION

H125 HC125 At this point the engine oil pressure warning light "🛢" positioned on the dashboard comes on and remains on until the engine starts.

- ◆ Lock at least one wheel, by pulling a brake lever (5).
If this operation is not carried out, the start relay receives no current and therefore the engine does not start.

NOTE After a long period of inactivity, carry out the operations described at see p. 36 (STARTING AFTER A LONG PERIOD OF INACTIVITY)

NOTE To avoid the excessive wear of the battery, do not keep the start push button "🛢" pressed for more than five seconds (ten after a long period of inactivity). If the engine does not start within this lapse of time, wait ten seconds and press the start push button "🛢" again.


- ◆ Press the start push button "🛢" (6) without accelerating, then release it as soon as the engine starts.

⚠ CAUTION


H50 HC50 When the start push button "🛢" is pressed, the 2 stroke oil reserve warning light "🛢" comes on.

With the engine in running condition, when the start push button "🛢" is released, the 2 stroke oil reserve warning light "🛢" must go out; if this does not occur, top up the 2 stroke oil tank, see p. 26 (**H50 HC50** 2 STROKE OIL).


⚠ CAUTION

Avoid pressing the start push button “” (6) when the engine is running, since you may damage the starter.

H125 HC125

- ◆ If the engine does not start in three or four seconds, slightly rotate the throttle grip (7) (Pos. A), keeping the start push button “” (6) pressed.

⚠ CAUTION

As soon as the engine has started, the engine oil pressure warning light “” must go out.

If this does not occur, or if the warning light comes on while the engine is running, this means that the pressure in the circuit is insufficient.

In this case, stop the engine immediately and contact an **aprilia** Official Dealer.

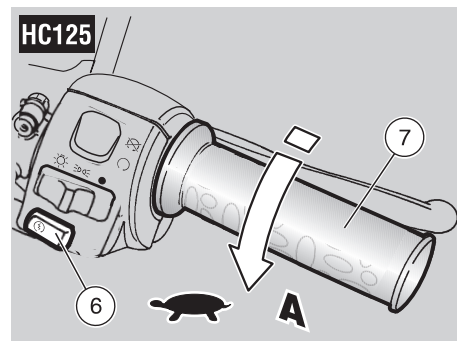
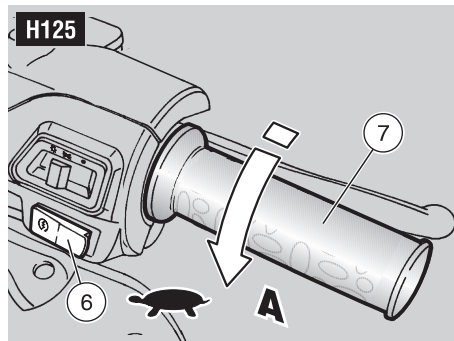
Do not use the vehicle with insufficient engine oil, in order to avoid damaging the engine components.





- ◆ Do not accelerate and pull the brake levers at the same time until you move off. To leave, see p. 37 (DEPARTURE AND DRIVE).

KICK START

For the kick start, proceed as follows:

- ◆ Position the vehicle on the centre stand.
- ◆ Move to the left side of the vehicle.

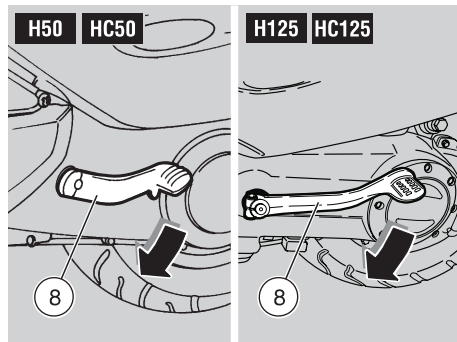


- ◆ Make sure that the light switch (1) is in position “”.
- ◆ Make sure that the dimmer switch (2) is in position “”.
- ◆ Turn the ignition switch (3) to position “”.
- ◆ Move the engine stop switch (4) to position “”, (in the countries where required).
- ◆ To avoid losing control of the vehicle during the starting, lock both wheels by putting on the brake levers (5).

⚠ CAUTION

Do not push down the kick starter with the engine on.


- ◆ Push down the kick starter (8) with your right foot, releasing it immediately. If necessary, repeat the operation until the engine starts.

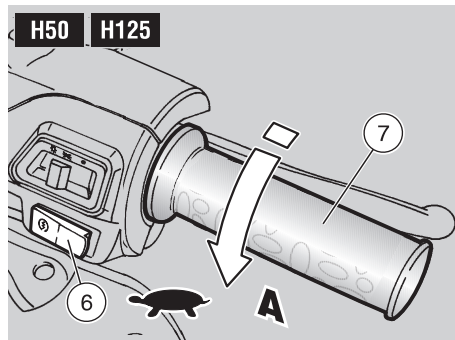


STARTING WITH FLOODED ENGINE

If the starting is not carried out properly or if there is too much fuel in the intake ducts and in the carburettor, the engine may get flooded.

To clean a flooded engine:


- ◆ Press the start push button “” (6) for a few seconds (letting the engine spin over) with completely open throttle (7) (**Pos. A**).



STARTING WITH COLD ENGINE

When the room temperature is low (near or below 0°C), it may be difficult to start the engine at the first attempt.

In this case:

- ◆ Keep the start push button “” (6) pressed for five seconds and at the same time rotate the throttle grip (7) moderately (**Pos. A**).

If the engine starts.

- ◆ Release the throttle grip (7).
- ◆ If the idling is unstable, twist the throttle grip (7) slightly and frequently.


If the engine does not start.

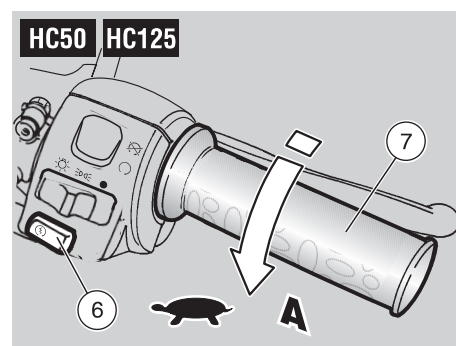
Wait a few seconds and repeat the STARTING WITH COLD ENGINE procedure.

- ◆ If necessary, remove the spark plug, see p. 62 (SPARK PLUG) and make sure that it is not wet.
- ◆ If the spark plug is wet, clean and dry it.

Before reinstalling it:

NOTE Put a clean cloth on the cylinder, near the spark plug seat, in order to protect it from oil sprays.


- ◆ Press the start push button “” (6) and let the starter run for about five seconds without accelerating.

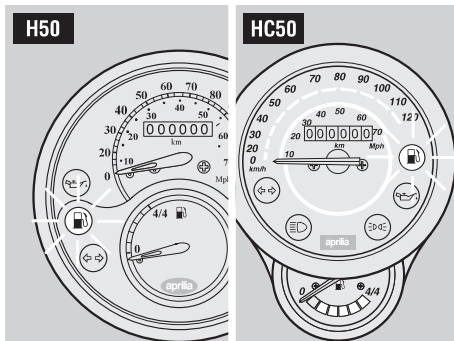


STARTING AFTER A LONG PERIOD OF INACTIVITY

After a long period of inactivity, if the start is not immediate, this may be due to the fact that the fuel circuit is partially empty.

In this case:


- ◆ Press the start push button “” (6) for about ten seconds, in order to ensure the filling of the float chamber.



DEPARTURE AND DRIVE

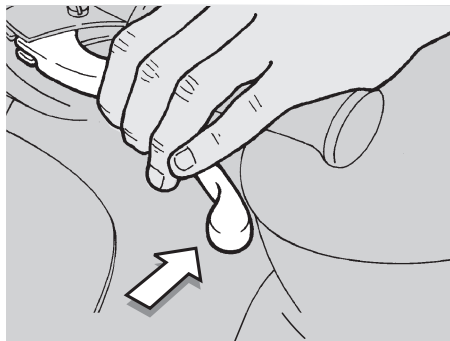
NOTE Before departure, carefully read the “safe drive” chapter, see p. 5 (SAFE DRIVE).

⚠ CAUTION

If the low fuel warning light “” positioned on the dashboard comes on while the vehicle is running, this means that the fuel reserve is being used. Provide for topping up as soon as possible, see p. 25 (FUEL).

⚠ WARNING

H50 HC50 Any mention to the use of the vehicle with passenger is to be intended as referred only to the countries where this is allowed.



⚠ WARNING

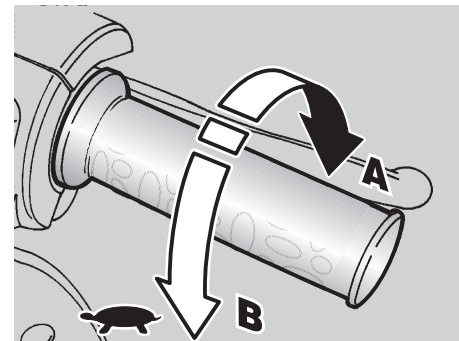
If you drive without passenger, make sure that the passenger footrests are folded.

While riding, keep your hands on the grips and your feet on the footrests.

NEVER RIDE IN ANY POSITION OTHER THAN THOSE INDICATED.

If you drive with a passenger, instruct him/her so that he / she does not create problems during manœuvres.

Before leaving, make sure that the stand/stands is / are completely up.



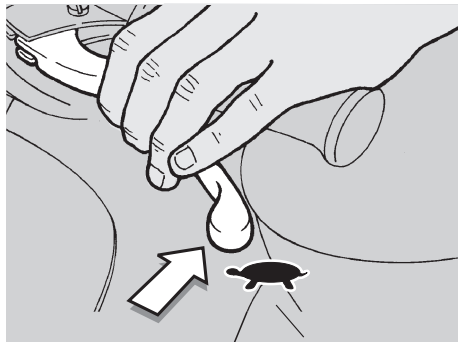
To leave:

- ◆ Release the throttle grip (**Pos. A**), put on the rear brake, then move the vehicle down the stand.
- ◆ Get on the vehicle, keeping at least one foot on the ground in order not to lose balance.
- ◆ Adjust the inclination of the rear-view mirrors correctly.

⚠ WARNING

With the vehicle at rest, try to get acquainted with the use of the rear-view mirrors.

- ◆ To leave, release the brake lever and accelerate by gently rotating the throttle grip (**Pos. B**); the vehicle will start moving.



⚠ CAUTION

Never leave abruptly with cold engine. To reduce the emission of polluting substances and the consumption of fuel, warm the engine up by proceeding at low speed for the first miles.

⚠ WARNING

Avoid opening and closing the throttle repeatedly and continuously, so that you do not accidentally lose control of the vehicle.

⚠ WARNING

If you have to brake, close the throttle and put on both brakes in order to obtain uniform deceleration, properly exerting pressure on the braking parts. By putting on the front brake only or the rear brake only, you reduce the braking force considerably, thus running the risk of locking one wheel and consequently losing grip.

If you stop uphill, decelerate completely and use the brakes only to keep the vehicle steady.

The use of the engine to keep the vehicle at a halt may cause the overheating of the speed variator.

Before beginning to turn, slow down or brake driving at moderate and constant speed or accelerating slightly; avoid braking at the last moment: it would be very easy to skid.

If the brakes are operated continuously on downhill stretches, the friction material may overheat, thus reducing the braking efficiency.

Exploit the engine compression by putting on both brakes intermittently. Never drive downhill with the engine off!



⚠ WARNING

In case of wet road or scarce wheel grip (snow, ice, mud, etc.), drive slowly, avoiding sudden brakings or manoeuvres that could make you lose grip and fall down.

Pay the utmost attention to any obstacle or variation of the road surface. Uneven roads, rails, manhole covers, indications painted on the road surface, building site metal plates become rather slippery by rain. For this reason all these obstacles have to be carefully avoided, driving smoothly and bending the vehicle as little as possible.



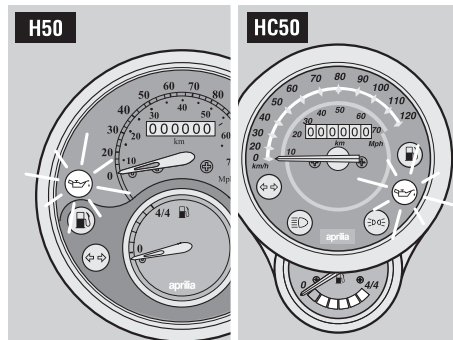
⚠ WARNING

Always use the direction indicators in time when you intend to change lane or direction, avoiding sharp and dangerous movements.


Switch off the direction indicators as soon as you have changed direction.

Be extremely careful when you overtake other vehicles or are overtaken.

In case of rain, the water cloud created by big vehicles reduces visibility; the air shift may make you lose control of the vehicle.



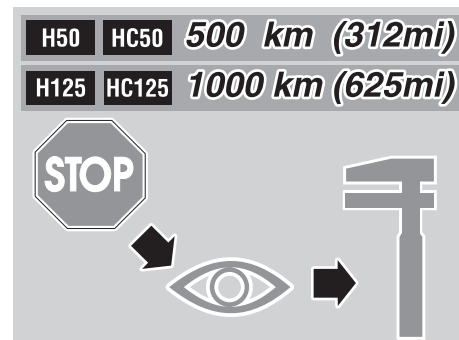
⚠ WARNING

H50 HC50 If the 2 stroke oil reserve warning light “” comes on during the normal functioning of the engine, this means that the 2 stroke oil reserve is being used; in this case, top up the 2 stroke oil tank, see p. 26 (**H50 HC50** 2 STROKE OIL).

RUNNING-IN

⚠ WARNING

H50 HC50 After the first 500 km (312 mi) carry out the checking operations indicated in the column “After running-in” of the REGULAR SERVICE INTERVALS CHART **H50 HC50**, see p. 44, in order to avoid hurting yourself or other people and/or damaging the vehicle.

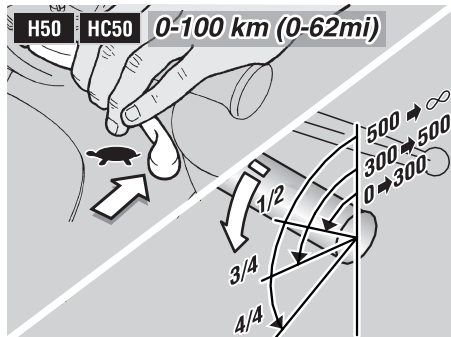


⚠ WARNING

H125 HC125 After the first 1000 km (625 mi) carry out the checking operations indicated in the column “After running-in” of the REGULAR SERVICE INTERVALS CHART **H125 HC125**, see p. 46, in order to avoid hurting yourself or other people and/or damaging the vehicle.

The running-in of the engine is primary to ensure its correct functioning and its correct functioning. If possible, drive on hilly roads and/or roads with many bends, so that the engine, the suspensions and the brakes undergo a more effective running-in.

NOTE The best acceleration and speed performance of the vehicle can be obtained only after running-in.



H50 HC50

For the first 500 km (312 mi), keep to the following indications:

◆ **0-100 km (0-62 mi)**

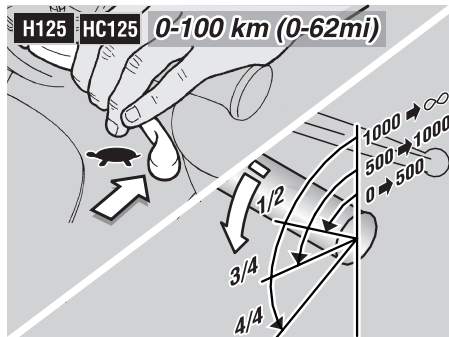
During the first 100 km (62 mi), put on the brakes with caution and avoid sharp and prolonged brakings. This ensures the correct bedding-in of the friction material of the pads on the brake disc and of the shoes on the rear wheel drum.

◆ **0-300 km (0-187 mi)**

Do not keep the throttle grip open more than one half for long stretches.

◆ **300-500 km (187-312 mi)**

Do not keep the throttle grip open more than three-fourths for long stretches.



H125 HC125

Keep to the following indications:

- ◆ Do not open the throttle completely if the speed is low, both during and after the running-in.

◆ **0-100 km (0-62 mi)**

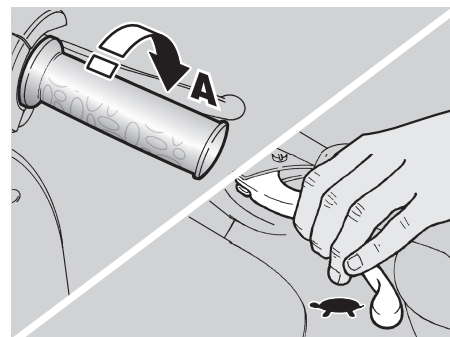
During the first 100 km (62 mi), put on the brakes with caution and avoid sharp and prolonged brakings. This ensures the correct bedding-in of the friction material of the pads on the brake disc and of the shoes on the rear wheel drum.

◆ **0-300 km (0-187 mi)**

Do not keep the throttle grip open more than one half for long stretches.

◆ **500-1000 km (312-625 mi)**

During the first 1000 km (625 mi), do not exceed the 80% of the maximum allowed speed.



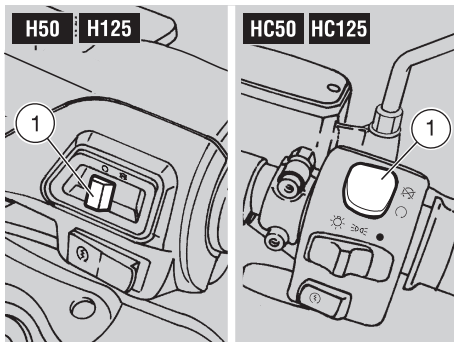
- ◆ Avoid driving at constant speed for long distances.
- ◆ After the first 1000 km (625 mi), progressively increase the speed until reaching the highest performance levels.

STOPPING

⚠ WARNING

If possible, avoid stopping abruptly, slowing down suddenly and braking at the last moment.

- ◆ Release the throttle grip (**Pos. A**) and gradually put on the brakes to stop the vehicle.
- ◆ In case of a brief stop, keep at least one brake on.



PARKING

⚠ WARNING

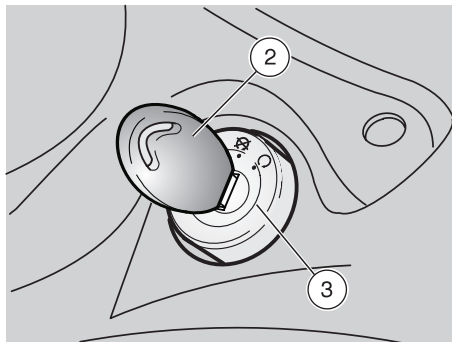
Park the vehicle on firm and flat ground, to prevent it from falling down.

Neither lean the vehicle against walls, nor lay it on the ground.

Make sure that the vehicle and especially its red-hot parts do not represent a danger for persons and children.

Do not leave the vehicle unattended when the engine is on or the key is inserted into the ignition switch.

Do not sit on the vehicle when the stand is down.



- ◆ Stop the vehicle, see p. 40 (STOPPING).
- ◆ Move the engine stop switch (1) to position “⊗” (for the countries where required).

⚠ CAUTION

With stopped engine and ignition switch in position “○”, the battery may run down.

- ◆ Rotate the key (2) and move the ignition switch (3) to position “⊗”.
- ◆ Position the vehicle on the stand, see p. 42 (POSITIONING THE VEHICLE ON THE STAND).

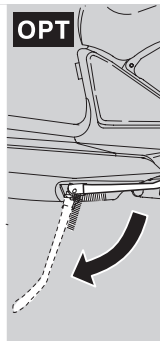
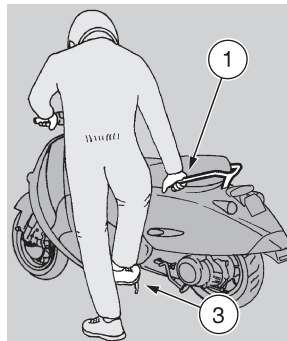
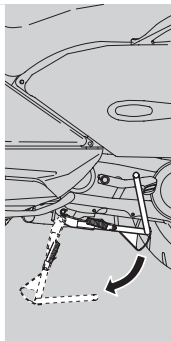
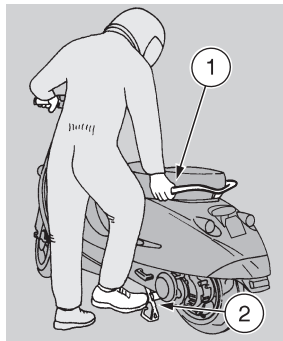


NOTE It is not necessary to close the fuel tap when the engine is off, since it is equipped with an automatic closing system.

⚠ CAUTION

Never leave the key in the ignition switch.

- ◆ Lock the steering, see p. 22 (STEERING LOCK) and extract the key (2).



POSITIONING THE VEHICLE ON THE STAND

Carefully read p. 41 (PARKING).

CENTRE STAND

- ◆ Grasp the left handgrip and the left rear grab rail (1).
- ◆ Push down the stand lever (2).

SIDE STAND OPT

- ◆ Grasp the left handgrip and the left rear grab rail (1).

⚠ WARNING

Danger of fall or overturning.
When the vehicle is straightened from the parking position to the driving position, the stand goes automatically up.

- ◆ Push down the side stand with your right foot, extending it completely (3).
- ◆ Incline the vehicle until the stand rests on the ground.
- ◆ Steer the handlebar completely leftwards.

⚠ WARNING

Make sure that the vehicle is stable.

SUGGESTIONS TO PREVENT THEFT

NEVER leave the ignition key inserted and always use the steering lock.

Park the vehicle in a safe place, possibly in a garage or a protected place.

If possible, use the appropriate **aprilia** "Body-Guard" armored cable OPT, or an additional anti-theft device.

Make sure that all documents are in order and the road tax has been paid.

Write down your personal data and telephone number in the space provided in this page, to facilitate the identification of the owner in case of finding after theft.

SURNAME:

NAME:

ADDRESS:

TELEPHONE NO.:

NOTE Very often stolen vehicles are identified thanks to the data written on the use / maintenance manual.



⚠ WARNING

Risk of fire.

Keep fuel and other flammable substances away from the electrical components.

Before beginning any maintenance operation or any inspection of the vehicle, stop the engine, extract the key from the ignition block, wait until the engine and the exhaust system have cooled down and if possible lift the vehicle by means of the proper equipment, on firm and flat ground.

Before proceeding, make sure that the room in which you are working is properly ventilated.



Keep away from the red-hot parts of the engine and of the exhaust system, in order to avoid burns.

Do not hold any mechanical piece or other parts of the vehicle with your mouth: the components are not edible and some of them are noxious or even toxic.

⚠ CAUTION

If not expressly indicated otherwise, for the reassembly of the units repeat the disassembly operations in reverse order.

In case any maintenance operation has to be carried out, it is advisable to use latex gloves.



Normally, the routine maintenance operations can be performed by the user; however, in some cases the use of specific tools and technical expertise may be required.

If you need assistance or technical advice, consult your **aprilia** Official Dealer, who can ensure you prompt and accurate servicing.

Ask your **aprilia** Official Dealer to test the vehicle on the road after a repair or periodic maintenance operation.

In any case, personally carry out the "Preliminary checking operations" after any maintenance operation, see p. 33 (PRELIMINARY CHECKING OPERATIONS).

REGULAR SERVICE INTERVALS

CHART **H50** **HCS0**

OPERATIONS TO BE CARRIED OUT BY THE **aprilia** Official Dealer (WHICH CAN BE CARRIED OUT EVEN BY THE USER).

Key

- ① = check and clean, adjust, lubricate or change, if necessary;
- ② = clean;
- ③ = change;
- ④ = adjust.

NOTE Carry out the maintenance operations more frequently if you use the vehicle in rainy and dusty areas or on uneven ground.

Component	After running- in [500 km (312 mi)]	Every 4000 km (2500 mi) or 12 months	Every 8000 km (5000 mi) or 24 months
Battery - Terminal fastening - Electrolyte level	①	①	—
Spark plug	①	①	③
Carburettor - idling	④	①	—
Air cleaner	①	②	—
Accelerator operation	①	①	—
Brake locking operation	①	①	—
Light systems	①	①	—
Stop light switches	—	①	—
Brake fluid	—	①	—
2 stroke oil	every 500 km (312 mi): ①		
Headlight beam direction - operation	—	①	—
Wheels/tyres and inflation pressure	every month: ①		
Rear brake shoe wear	①	①	—
Front brake pad wear	①	every 2000 km (1250 mi): ①	

**OPERATIONS TO BE CARRIED OUT BY
THE **aprilia** Official Dealer.**

Key

① = check and clean, adjust, lubricate or change, if necessary;

② = clean;

③ = change;

④ = adjust.

NOTE Carry out the maintenance operations more frequently if you use the vehicle in rainy and dusty areas or on uneven ground. In case of use on race tracks, check every 3750 km (2343 mi).

Component	After running-in [500 km (312 mi)]	Every 4000 km (2500 mi) or 12 months	Every 8000 km (5000 mi) or 24 months
Rear shock absorber	—	—	①
Transmission cables and controls	①	①	—
Variator belt	—	—	③
Steering tube bearings and steering slack	①	①	—
Wheel bearings	—	①	—
Brake discs	①	①	—
Piston rings	every 12000 km (7500 mi): ①		
General running of the vehicle	①	①	—
Braking systems/brake discs	①	①	—
Electric start transmission pin greasing	—	—	①
Rear brake cam pin greasing	—	①	—
Brake fluid	every 2 years: ③		
Exhaust silencer/exhaust terminal	—	①	—
Mixer/accelerator operation	①	①	—
Transmission oil	③	①	every 12000 km (7500 mi): ③
Rear pulley pins	every 12000 km (7500 mi): ③		
Front shock absorber pumping element	—	①	—
Movable/fixed front pulley	every 12000 km (7500 mi): ③		
Variator front pins and guides	—	—	③
Wheels/tyres and inflation pressure	①	①	—
Nut, bolt, screw tightening	①	①	—
2 stroke oil reserve warning light	①	①	—
Cylinder head and cylinder	—	—	②
Fuel pipe	every 4000 km (2500 mi): ① / every 4 years: ③		
Braking system pipe	every 4000 km (2500 mi): ① / every 4 years: ③		
Mixer oil pipe	①	①	every 2 years: ③
Clutch wear	—	—	①

REGULAR SERVICE INTERVALS

CHART **H125** **HC125**

OPERATIONS TO BE CARRIED OUT BY THE **aprilia** Official Dealer (WHICH CAN BE CARRIED OUT EVEN BY THE USER).

Key

- ① = check and clean, adjust, lubricate or change, if necessary;
- ② = clean;
- ③ = change;
- ④ = adjust.

NOTE Carry out the maintenance operations more frequently if you use the vehicle in rainy and dusty areas or on uneven ground.

Component	After running-in [1000 km (625 mi)]	Every 6000 km (3750 mi) or 12 months	Every 12000 km (7500 mi) or 24 months
Battery - Terminal fastening	①	①	—
Spark plug	①	①	③
Carburettor - idling	④	①	—
Air cleaner	—	②	—
Accelerator operation	①	①	—
Brake locking operation	①	①	—
Light systems	①	①	—
Stop light switches	—	①	—
Brake fluid	—	①	—
Engine oil	at every start: ①		
Headlight beam direction - operation	—	①	—
Spark plug cap	—	①	—
Wheels/tyres - inflation pressure	every month: ④		
Rear brake shoe wear	①	every 2000 km (1250 mi): ①	
Front brake pad wear	①	every 2000 km (1250 mi): ①	

**OPERATIONS TO BE CARRIED OUT BY
THE **aprilia** Official Dealer.**

Key

① = check and clean, adjust, lubricate or change, if necessary;

② = clean;

③ = change;

④ = adjust.

NOTE Carry out the maintenance operations more frequently if you use the vehicle in rainy and dusty areas or on uneven ground. In case of use on race tracks, check every 3750 km (2343 mi).

Component	After run- ning-in [1000 km (625 mi)]	Every 6000 km (3750 mi) or 12 months	Every 12000 km (7500 mi) or 24 months
Rear shock absorber	—	—	①
Carburettor - Co value	④	④	—
Transmission cables and controls	①	①	—
Variator belt	①	①	③
Steering tube bearings and steering slack	①	①	—
Wheel bearings	—	①	—
Brake discs	①	①	—
Engine oil filter	③	every 3000 km (1875 mi): ③	
General running of the vehicle	①	①	—
Valve clearance	④	every 18000 km (11250 mi): ①	
Speed change gear grease	—	—	③
Braking systems	①	①	—
Brake fluid	every 2 years: ③		
Exhaust silencer/exhaust terminal	—	—	①
Engine oil	③	every 3000 km (1875 mi): ③	
Transmission oil	③	every 12000 km (7500 mi): ① / every 24000 km (15000 mi): ③	
Front shock absorber pumping element	—	①	—
Speed change gear rollers and speed change gear plastic guides		①	—
Wheels/tyres - inflation pressure	①	①	—
Nut, bolt, screw tightening	①	①	—
Cylinder head nut fastening and silencer- exhaust manifold fastening	①	①	—
Engine oil pressure Warning light (operation)	①	—	—
Fuel pipe	—	①	every 4 years: ③
Braking system pipe	—	①	every 4 years: ③
Clutch wear	—	①	—

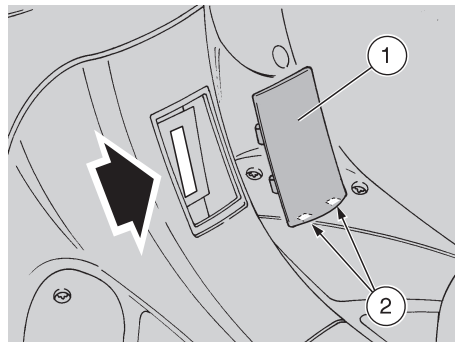


IDENTIFICATION DATA

It is a good rule to write down the frame and engine numbers in the space provided in this manual.

The frame number can be used for the purchase of spare parts.

NOTE Do not alter the identification numbers if you do not want to incur severe penal and administrative sanctions. In particular, the alteration of the frame number results in the immediate invalidity of the guarantee.

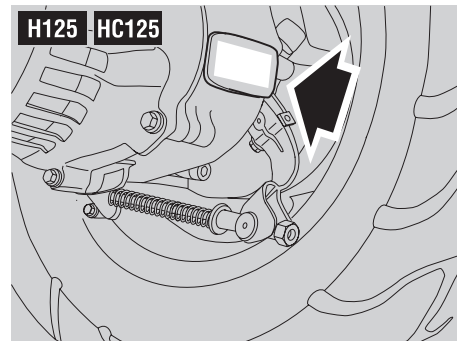
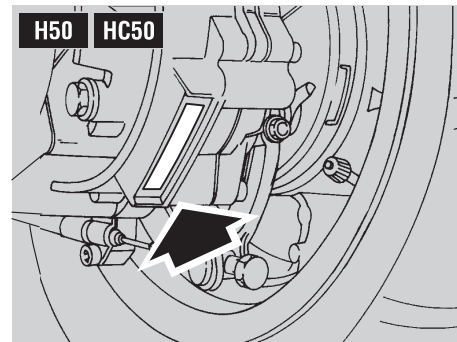


FRAME NUMBER

The frame number is stamped on the central tube of the frame. To be able to read it, it is necessary to remove the cover (1).

NOTE The cover (1) can be inserted in one direction only. The part provided with the two tangs (2) is the lower part.

Frame no. _____



ENGINE NUMBER

The engine number is stamped on the rear side, near the rear brake adjuster.

Engine no. _____

CHECKING THE ENGINE OIL LEVEL AND TOPPING UP H125 HC125

Carefully read p. 26 (LUBRICANTS), p. 43 (MAINTENANCE) and p. 87 (LUBRICANT CHART H125 HC125).

Always check the engine oil level before starting the vehicle.

CHECKING

NOTE Position the vehicle on firm and flat ground.

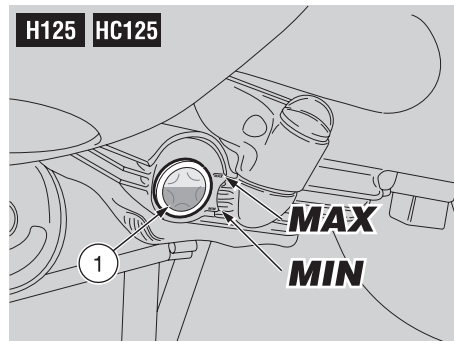
- ◆ Position the vehicle on the centre stand.

⚠ WARNING

The engine and the components of the exhaust system become very hot and remain hot for some time after the engine has been stopped. Before handling these components, wear insulating gloves or wait until the engine and the exhaust system have cooled down.

- ◆ Stop the engine and let it cool down, in order to allow the oil to flow into the oil pan and to cool down.

NOTE The non-performance of the operations described above may result in the incorrect measurement of the engine oil level.



- ◆ Check the oil level through the appropriate sight glass (1):

MAX = maximum level;

MIN = minimum level.

The difference between "MAX" and "MIN" is about 300 cm³.

- ◆ The level is correct when the oil almost reaches the "MAX" mark.

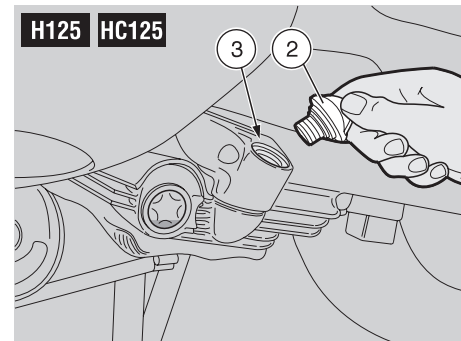
⚠ CAUTION

Never exceed the "MAX" mark, nor leave the oil below the "MIN" mark, in order to avoid serious damage to the engine.

- ◆ If necessary, provide for topping up.

TOPPING UP

- ◆ Unscrew and remove the engine oil filler cap (2).



- ◆ Pour a small quantity of oil in the filling hole (3) and wait about one minute, so that the oil flows uniformly into the oil pan.

- ◆ Check the oil level and top up if necessary.
- ◆ Top up by adding small quantities of oil, until reaching the prescribed level.

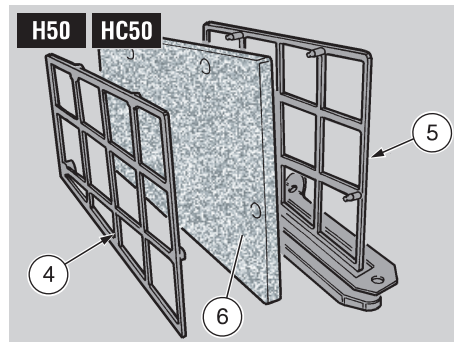
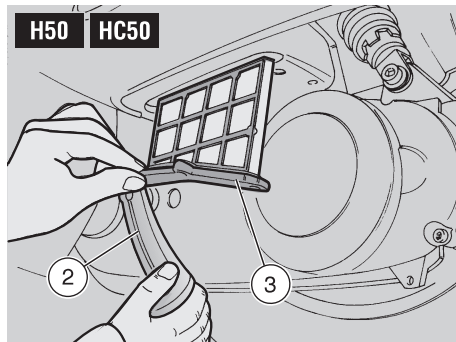
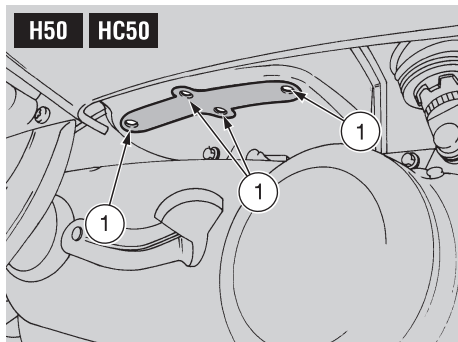
⚠ CAUTION

After topping up, put back the cap (2) in the correct position.

- ◆ Screw and tighten the engine oil filler cap (2).

⚠ WARNING

Do not use the vehicle with insufficient lubrication or with contaminated or unsuitable lubricants, since this would accelerate the wear of the moving parts and may also cause irreparable failures.



AIR CLEANER H50 HC50

Carefully read p. 43 (MAINTENANCE).

Check the conditions of the air cleaner and clean it monthly or every 4000 km (2500 mi), depending on the conditions in which the vehicle is used.

If the vehicle is used on dusty or wet roads, the cleaning operations and any replacement should be carried out more frequently.

To clean the filtering element it is necessary to remove it from the vehicle.

REMOVAL

- ◆ Position the vehicle on the centre stand.
- ◆ Unscrew and remove the four screws (1).
- ◆ Rotate the start pedal (2) completely and keep it down.
- ◆ Withdraw the complete filter (3) from below and remove it.

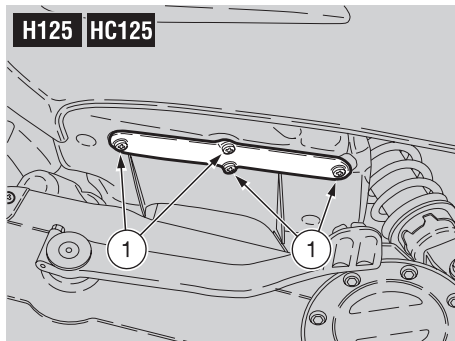
CLEANING

- ◆ Separate the grid (4) from the support (5).
- ◆ Remove the filtering element (6).

⚠ WARNING

Do not use petrol or inflammable solvents to wash the filtering element, in order to avoid fires or explosions.

- ◆ Wash the filtering element (6) with clean, non-inflammable solvents or solvents with high volatility point, then let it dry thoroughly.
- ◆ Apply a filter oil on the whole surface of the filtering element.



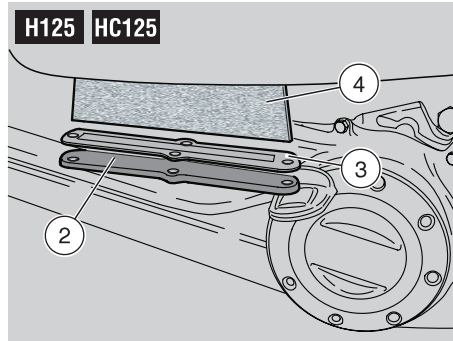
AIR CLEANER H125 HC125

Carefully read p. 43 (MAINTENANCE).

Check the conditions of the air cleaner and clean it monthly or every 6000 km (3750 mi), depending on the conditions in which the vehicle is used.

If the vehicle is used on dusty or wet roads, the cleaning operations and any replacement should be carried out more frequently.

To clean the filtering element it is necessary to remove it from the vehicle.



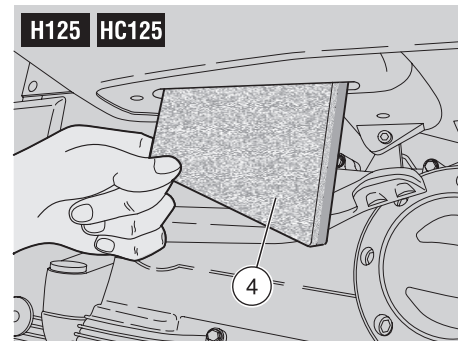
REMOVAL

- ◆ Position the vehicle on the centre stand.
- ◆ Unscrew and remove the four screws (1).

⚠ CAUTION

Pay attention to the correct position of the lower cover (2) and the filtering element (4), in such a way as to be able to reposition them correctly.

- ◆ Withdraw the lower cover (2) from below and take the gasket (3).
- ◆ Withdraw the filtering element (4).



CLEANING

⚠ WARNING

Do not use petrol or inflammable solvents to wash the filtering element, in order to avoid fires or explosions.

- ◆ Wash the filtering element (6) with clean, non-inflammable solvents or solvents with high volatility point, then let it dry thoroughly.
- ◆ Apply a filter oil on the whole surface of the filtering element.



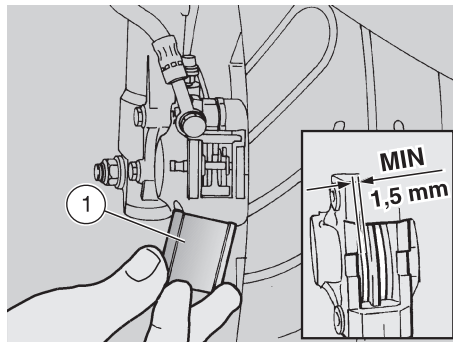
CHECKING THE BRAKE PAD WEAR

Carefully read p. 27 (BRAKE FLUID - recommendations), p. 28 (FRONT BRAKE DISC), p. 43 (MAINTENANCE).

H50 HC50 Check the brake pad wear after the first 500 km (312 mi) and successively every 2000 km (1250 mi).

H125 HC125 Check the brake pad wear after the first 1000 km (625 mi) and successively every 2000 km (1250 mi).

The wear of the brake pads depends on the use, on the kind of drive and on the road. The wear will be greater when the vehicle is driven on dirty or wet roads.

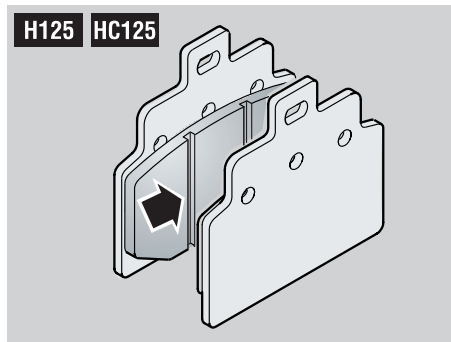


⚠ WARNING

Check the wear of the brake pads especially before every trip.

To carry out a rapid checking of the wear of the front pads, proceed as follows:

- ◆ Position the vehicle on the centre stand.
- ◆ Remove the brake caliper cover (1).
- ◆ Carry out a visual check between brake disc and pads.



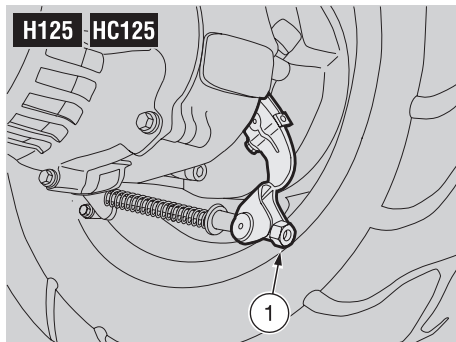
⚠ WARNING

The excessive wear of the friction material would cause the contact of the pad metal support with the disc, with consequent metallic noise and production of sparks from the caliper; braking efficiency, safety and soundness of the disc would thus be negatively affected.

- ◆ If the thickness of the friction material (even of one pad only) has reduced to approximately 1.5 mm (**H125 HC125**), or if even only one of the wear indicators is not visible any longer), have both pads changed.

⚠ WARNING

Have the pads changed by your **aprilia** Official Dealer.



CHECKING THE SHOE WEAR

Carefully read p. 29 (REAR DRUM BRAKE) and p. 43 (MAINTENANCE).

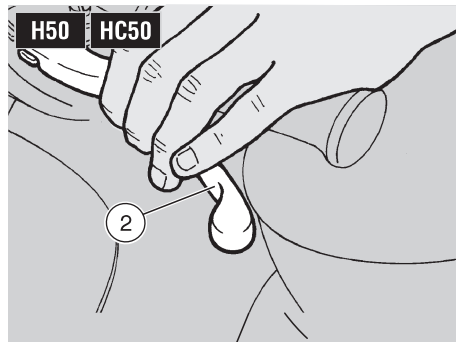
H50 HC50 Check the wear of the rear brake shoes after the first 500 km (312 mi) and successively every 4000 km (2500 mi).

H125 HC125 Have the rear brake shoe wear checked by an **aprilia** Official Dealer after the first 1000 km (625 mi) and successively every 2000 km (1250 mi).

In any case:

⚠ WARNING

If the adjuster (1) can be screwed completely, this means that the shoes are worn; in this case, contact an **aprilia** Official Dealer.



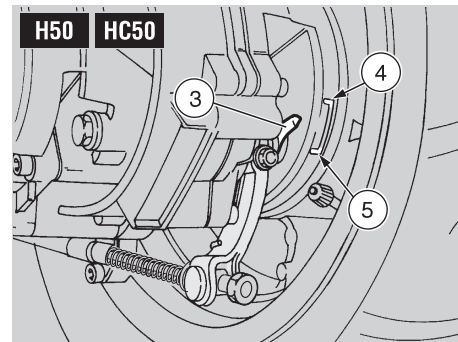
To verify the wear of the rear brake shoes, proceed as follows:

- ◆ Pull the rear brake lever (2) completely and keep it pulled.
- ◆ Check the position of the rear brake shoe wear indicator (3).

Position	Wear condition
Indicator between the two reference teeth (4) and (5).	Rear brake shoes within the wear limit.
Indicator on or beyond the lower reference tooth (5).	Rear brake shoes worn. To be replaced.

⚠ WARNING

If the rear brake shoe wear indicator (3) is positioned on or beyond the lower reference tooth (5), contact an **aprilia** Official Dealer, who will provide for replacing the rear brake shoes.



INSPECTING THE FRONT AND REAR SUSPENSIONS

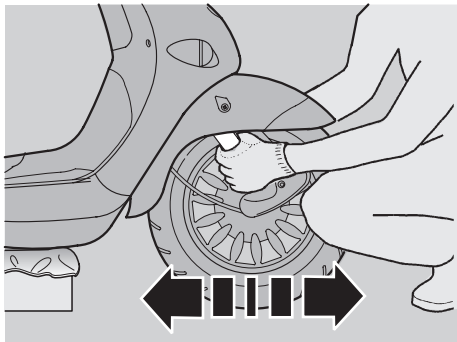
Carefully read p. 43 (MAINTENANCE).

Check the tightening of all the components and the functionality of the articulations of the front and rear suspensions after the first:

- ◆ **H50 HC50** 500 km (312 mi) and successively every 4000 km (2500 mi);
- ◆ **H125 HC125** 1000 km (625 mi) and successively every 6000 km (3750 mi).

⚠ CAUTION

If you notice irregularities in the operation or if the help of a qualified technician is necessary, contact your **aprilia** Official Dealer.



CHECKING THE STEERING

Carefully read p. 43 (MAINTENANCE).

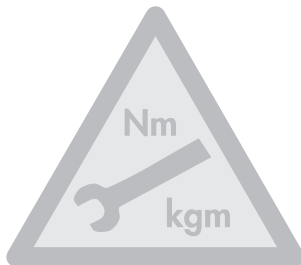
Occasionally check the steering slack.

To check the steering it is necessary to:

- ◆ Position the vehicle on the centre stand.

NOTE Prepare a 185 mm high support, the base of which must measure 200 x 200 mm.

- ◆ Place the support under the vehicle and a spongy cloth between them, so that the front wheel can move freely and the vehicle cannot fall down.



⚠ WARNING

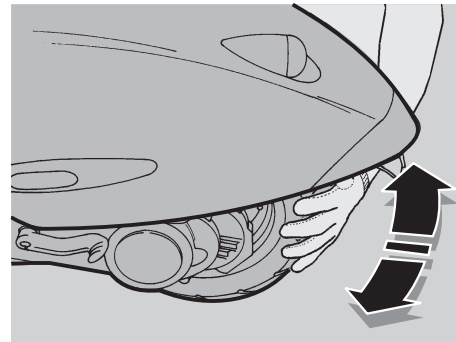
Make sure that the vehicle is stable.

- ◆ Shake the fork in the direction of travel.

NOTE Do not shake the fork excessively, otherwise you may take in consideration the movement of the stand, thus observing an incorrect slack.

Repeat the previous operation more than once.

- ◆ If you find that there is a considerable slack, contact your **aprilia** Official Dealer to restore the optimal steering conditions.



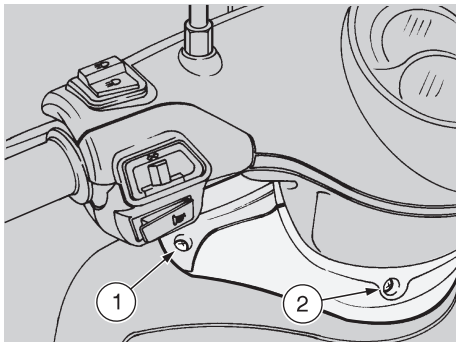
CHECKING THE ENGINE FULCRUM AXIS

Carefully read p. 43 (MAINTENANCE).

Periodically check the slack existing between the engine pin bushings.

To carry out this operation, proceed as follows:

- ◆ Position the vehicle on the centre stand.
- ◆ Shake the wheel transversally with respect to the riding direction.
- ◆ If any slack should be noticed, contact your **aprilia** Official Dealer, to restore the optimal operating conditions.



REMOVING THE FRONT COVER

Carefully read p. 43 (MAINTENANCE).

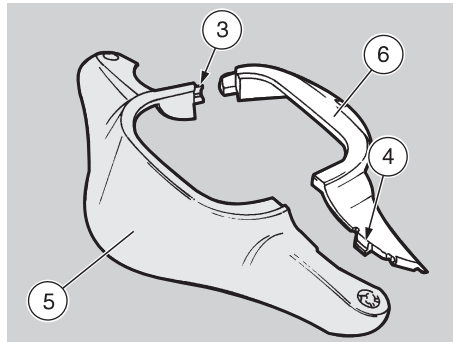
- ◆ Position the vehicle on the centre stand.
- ◆ ★ Unscrew and remove the screw (1).
- ◆ Unscrew and remove the screw (2).

⚠ CAUTION

Proceed with care.

Do not damage the tangs and/or their seats.

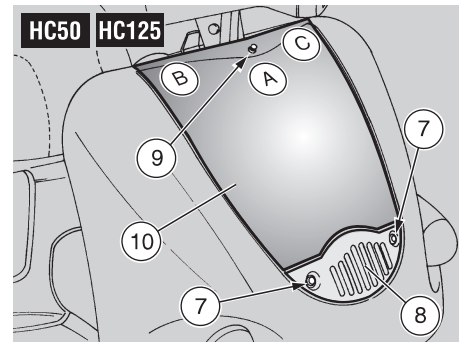
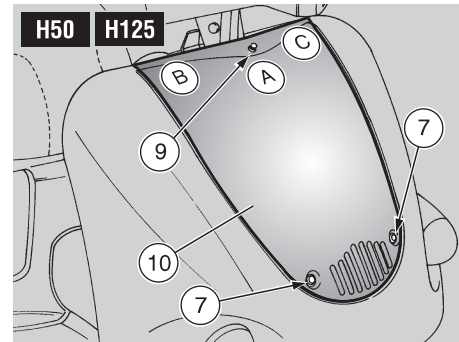
Handle the plastic and painted components with care and avoid scraping or damaging them.

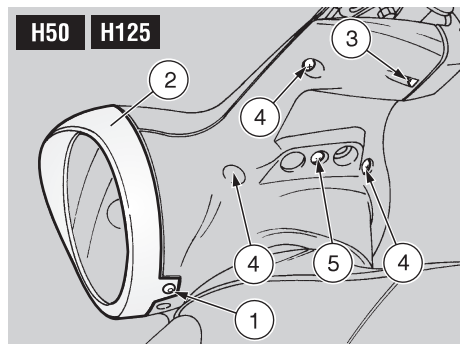


- ◆ Release the couplings (3) and (4) from their seats and remove the two collars (5) and (6).
- ◆ Unscrew and remove the two lower screws (7).
- ◆ **HC50 HC125** Remove the grille (8).
- ◆ Unscrew and remove the upper screw (9), taking the washer.

NOTE To release the front cover (10) from the side couplings, carry out the following operations simultaneously:

- ◆ Press “A” and pull “B”.
- ◆ Press “A” and pull “C”.





REMOVING THE LOWER HANDLEBAR COVER **H50 H125**

Carefully read p. 43 (MAINTENANCE).

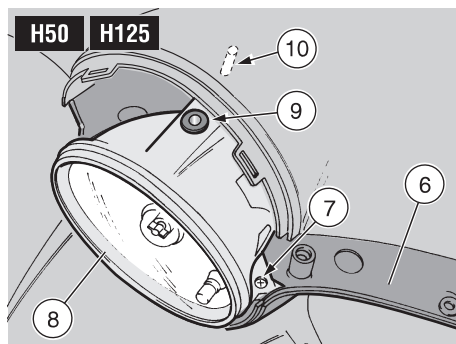
- ◆ Position the vehicle on the centre stand.
- ◆ Unscrew and remove the headlight metal ring screw (1).
- ◆ Remove the headlight metal ring (2).
- ◆ ★ Unscrew and remove the screw (3).
- ◆ ★ Unscrew and remove the three screws (4).
- ◆ ★ Unscrew and remove the screw (5).

⚠ CAUTION

Proceed with care.

Do not damage the tangs and/or their seats.

Handle the plastic and painted components with care and avoid scraping or damaging them.



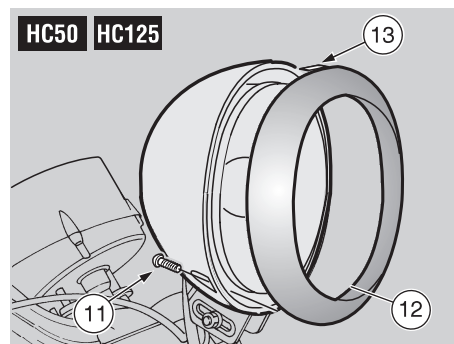
- ◆ Move the lower handlebar cover (6) carefully downwards.
- ◆ ★ Unscrew and remove the screw (7).

⚠ CAUTION

Proceed with care. Do not force the electric wires.

- ◆ Partially remove the reflector (8), releasing the seat (9) from the pin (10).

NOTE Upon reassembly, make sure that the reflector (8), the seat (9) and the pin (10) are in the correct position.



REMOVING THE HEADLIGHT METAL RING **HC50 HC125**

Carefully read p. 43 (MAINTENANCE).

- ◆ Position the vehicle on the centre stand.
- ◆ ★ Unscrew and remove the screw (11).
- ◆ Remove the headlight metal ring (12).

NOTE Upon reassembly, insert the tang (13) correctly in the appropriate seat.



PARTIAL REMOVAL OF THE UPPER HANDLEBAR COVER H50 H125

Carefully read p. 43 (MAINTENANCE).

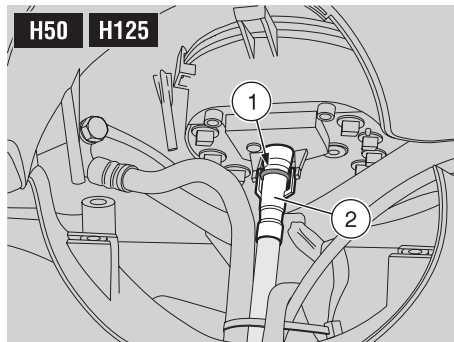
CAUTION

The operations necessary for the partial removal of the upper handlebar cover may be difficult or complex for unskilled operators.

If necessary, contact an **aprilia** Official Dealer.

If you want to carry out these operations personally, keep to the following instructions:

- ◆ Remove the lower handlebar cover, see p. 56 (REMOVING THE LOWER HANDLEBAR COVER H50 H125).

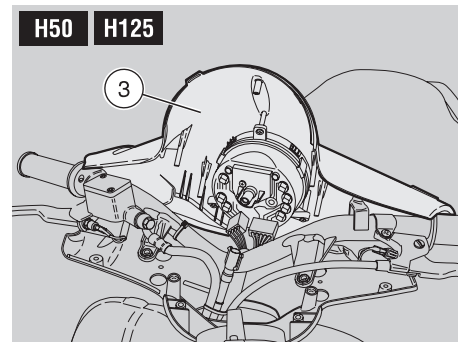


- ◆ Remove the rear-view mirrors, see p. 58 (REMOVING THE REAR-VIEW MIRRORS).
- ◆ Raise the rubber ring (1), releasing it from the odometer control coupling (2).

CAUTION

Proceed with care. Do not damage the tangs and/or their seats.

- ◆ Release the odometer control coupling (2) from its seat on the dashboard by means of a spanner.



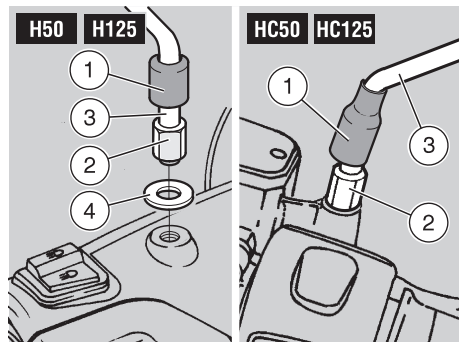
CAUTION

The upper handlebar cover (3) (complete with switches, instruments and indicators) remains connected to the electric wires and therefore cannot be completely removed.

Proceed with care, in order not to damage the components.

Do not force the electric wires.

- ◆ Raise the upper handlebar cover (3) moderately and rotate it towards the saddle.

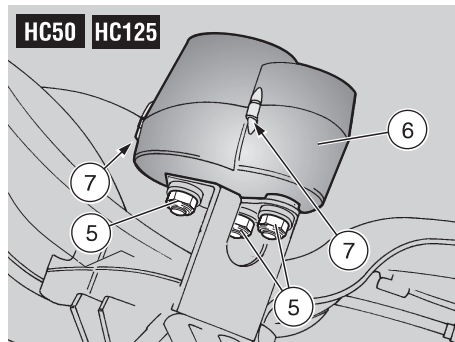


REMOVING THE REAR-VIEW MIRRORS

Carefully read p. 43 (MAINTENANCE).

The following information refers to one rear-view mirror only, but is valid for both (H50 in the countries where the second rear-view mirror is required).

- ◆ Position the vehicle on the centre stand.
- ◆ Lift the protection element (1).
- ◆ Loosen the nut (2) completely.
- ◆ Unscrew and remove the rear-view mirror (3).
- ◆ H50 H125 Take the plastic washer (4).



PARTIAL REMOVAL OF THE DASHBOARD H50 H125

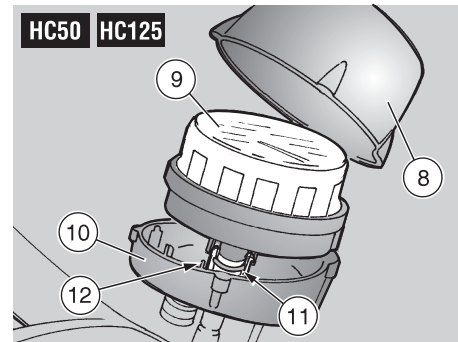
Carefully read p. 43 (MAINTENANCE).

- ◆ Unscrew and remove the three nuts (5).

⚠ CAUTION

Proceed with care.
Do not force the electric wires.
Handle the plastic and painted components with care and avoid scraping or damaging them.

- ◆ Partially remove the dashboard (6).



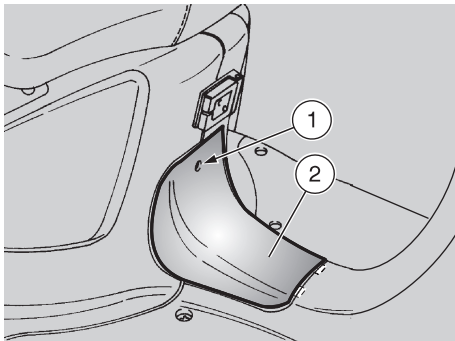
At this point, proceed as follows to reach the dashboard bulbs:

- ◆ ★ Unscrew and remove the two screws (7).
- ◆ Remove the upper cover (8).
- ◆ Remove the glass element (9) with its support.
- ◆ Lower the cover (10).
- ◆ Raise the rubber ring (11), releasing it from the odometer control coupling (12).

⚠ CAUTION

Proceed with care. Do not damage the tangs and/or their seats.

- ◆ Release the odometer control coupling (12) from its seat on the dashboard by means of a spanner.



REMOVING THE CENTRAL INSPECTION COVER

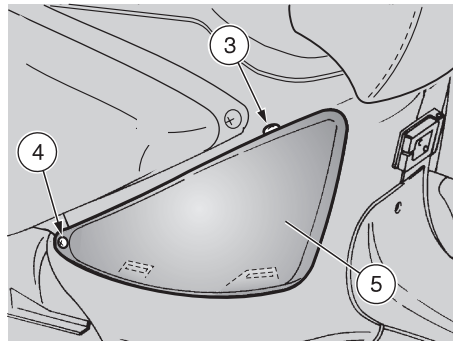
Carefully read p. 43 (MAINTENANCE).

⚠ CAUTION

Handle the painted components with care and avoid scraping or damaging them.

- ◆ Position the vehicle on the centre stand.
- ◆ Unscrew and remove the screw (1).
- ◆ Remove the central inspection cover (2).

NOTE Upon reassembly, fit the tangs correctly in the appropriate seats.



REMOVING THE RIGHT AND LEFT INSPECTION COVERS

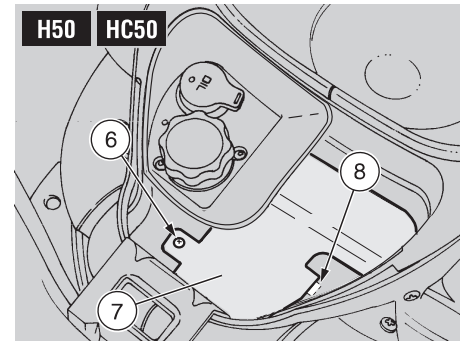
Carefully read p. 43 (MAINTENANCE).

⚠ CAUTION

Handle the plastic and painted components with care and avoid scraping or damaging them.

- ◆ Lift the saddle, see p. 23 (UNLOCKING / LOCKING THE SADDLE).
- ◆ Unscrew and remove the upper screw (3).
- ◆ Unscrew and remove the side screw (4).
- ◆ Remove the side inspection cover (5).

NOTE Upon reassembly, correctly fit the seats in the appropriate tangs.

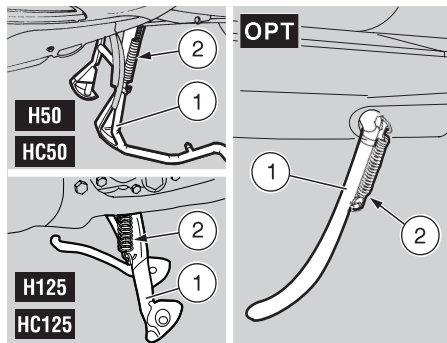


REMOVING THE BATTERY COVER H50 HC50

NOTE Position the vehicle on firm and flat ground.

- ◆ Position the vehicle on the centre stand.
- ◆ Make sure that the ignition switch is in position "X".
- ◆ Raise the saddle, see p. 23 (UNLOCKING / LOCKING THE SADDLE).
- ◆ Unscrew and remove the screw (6).
- ◆ Remove the battery cover (7).

NOTE Upon reassembly, correctly insert the tang (8) in the appropriate seat.



CHECKING THE STAND

Carefully read p. 43 (MAINTENANCE).

⚠ WARNING

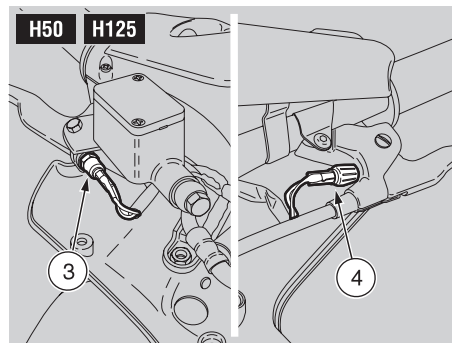
FOR THE SIDE STAND ONLY **OPT**.

Danger of fall or overturning.

When the vehicle is straightened from the parking position to the driving position, the stand goes automatically up.

NOTE The following information refers to one stand only, but is valid for both.

The stand (1) must rotate without hindrances.



Carry out the following checks:

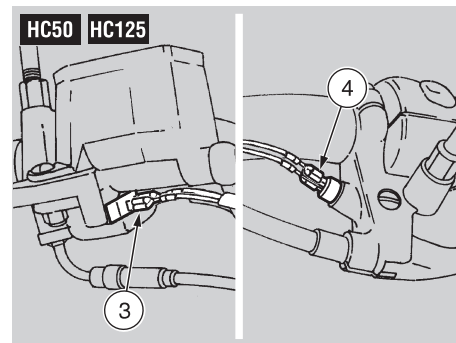
- ◆ The springs (2) must not be damaged, worn, rusty or weakened.
- ◆ The stand must rotate freely, if necessary grease the joint, see p. 86 (LUBRICANT CHART **H50 HC50**) or p. 87 (LUBRICANT CHART **H125 HC125**).

CHECKING THE SWITCHES

Carefully read p. 43 (MAINTENANCE)

The vehicle is provided with two switches:

- Stoplight switch on the rear brake control lever (3);
- Stoplight switch on the front brake control lever (4).



To reach the switches, proceed as follows:

- ◆ **H50 H125** Partially remove the upper handlebar cover, see p. 57 (PARTIAL REMOVAL OF THE UPPER HANDLEBAR COVER **H50 H125**).

Periodically carry out the following checks:

- ◆ Make sure that there are no dirt or mud deposits on the switch; the pin must be able to move without interferences, returning automatically to its initial position.
- ◆ Make sure that the cables are connected correctly.

IDLING ADJUSTMENT

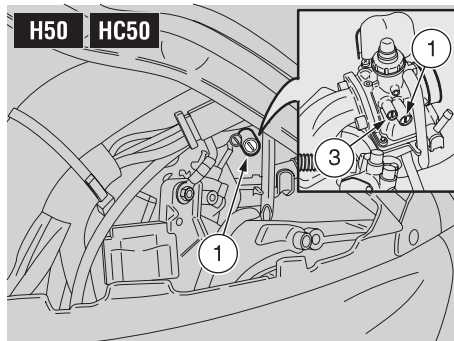
Carefully read p. 43 (MAINTENANCE).

H50 HC50 Adjust the idling after the first 500 km (312 mi) and every time it is irregular.

H125 HC125 Adjust the idling after the first 1000 km (625 mi) and every time it is irregular.

To carry out this operation, proceed as follows:

- ◆ Drive for a few miles until the engine reaches the normal running temperature, then stop the engine.
- ◆ **H50 HC50** Remove the central inspection cover, see p. 59 (REMOVING THE CENTRAL INSPECTION COVER).
- ◆ **H125 HC125** Remove the right inspection cover, see p. 59 (REMOVING THE RIGHT AND LEFT INSPECTION COVERS).
- ◆ Connect an electronic revolution counter to the spark plug cable.



⚠ WARNING

Before proceeding, make sure that the room in which you are working is properly ventilated.

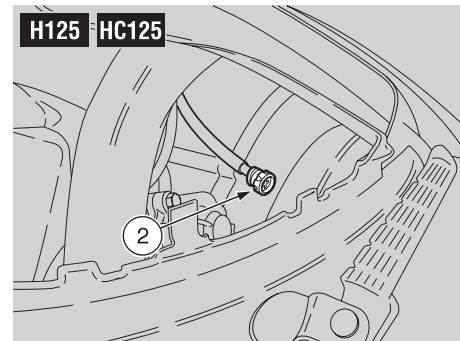
- ◆ Start the engine.

The minimum speed of the engine (idling) must be about 1600 ± 200 rpm; in this case the engine does not make the rear wheel rotate.

If necessary:

- ◆ Remove the left inspection cover, see p. 59 (REMOVING THE RIGHT AND LEFT INSPECTION COVERS).
- ◆ **H50 HC50** Act on the adjusting screw (1) positioned on the carburettor.

H50 HC50 NOTE Do not act on the air adjusting screw (3), to avoid variations of the carburation setting.



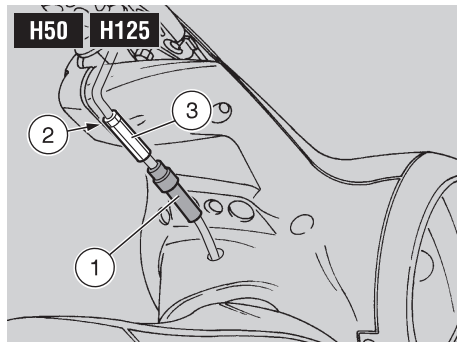
- ◆ **H125 HC125** Act on the adjusting knob (2).

BY ROTATING CLOCKWISE
the rpm increase;

BY ROTATING ANTICLOCKWISE
the rpm decrease.

- ◆ Twist the throttle grip, accelerating and decelerating a few times to make sure that it functions correctly and to check if the idling speed is constant.

NOTE If necessary, contact your **aprilia** Official Dealer.



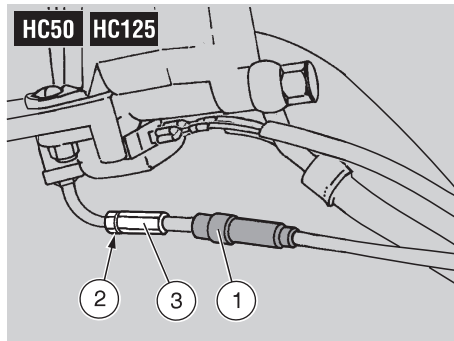
ADJUSTING THE ACCELERATOR CONTROL

Carefully read p. 43 (MAINTENANCE).

The ideal slack of the accelerator control should be about **2-3 mm**.

To adjust the slack, proceed as follows:

- ◆ Position the vehicle on the centre stand.
- ◆ Remove the protection element (1).
- ◆ Loosen the nut (2).
- ◆ Act on the adjuster (3), positioned at the beginning of the accelerator control cable.



After the adjustment:

- ◆ Tighten the nut (2), thus locking the adjuster (3) and put back the protection element (1).

⚠ WARNING

After the adjustment, make sure that the rotation of the handlebar does not modify the engine idling rpm and that the throttle grip returns smoothly and automatically to its original position after being released.

SPARK PLUG

Carefully read p. 43 (MAINTENANCE).

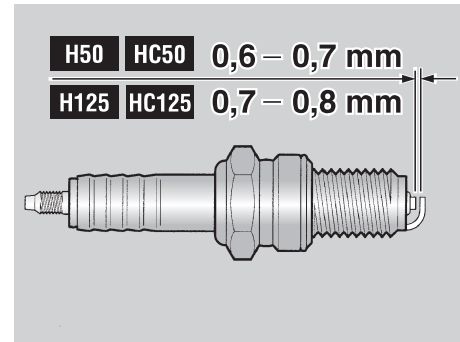
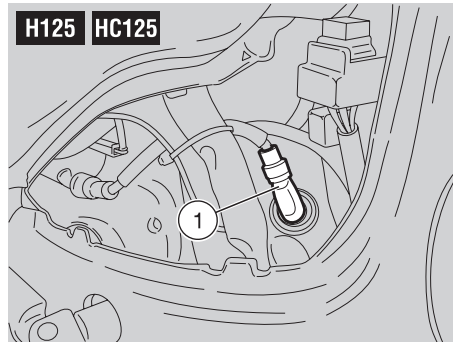
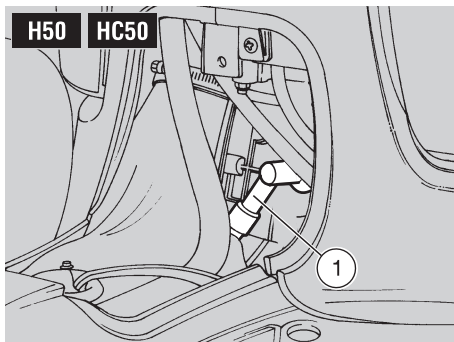
H50 HC50 Check the spark plug after the first 500 km (312 mi), successively every 4000 km (2500 mi); change it every 8000 km (5000 mi).

H125 HC125 Check the spark plug after the first 1000 km (625 mi); successively every 6000 km (3750 mi) and change it every 12000 km (7500 mi).

Periodically remove the spark plug and clean it carefully, removing carbon deposits; change it if necessary.

To reach the spark plug:

- ◆ **H50 HC50** Remove the central inspection cover, see p. 59 (REMOVING THE CENTRAL INSPECTION COVER).
- ◆ **H125 HC125** Remove the right inspection cover, see p. 59 (REMOVING THE RIGHT AND LEFT INSPECTION COVERS).



To remove and clean the spark plug:

- ◆ Take off the spark plug cap (1).
- ◆ Remove all the dirt from the base of the spark plug, then unscrew it with the spanner you will find in the tool kit and extract it from its seat, taking care that neither dust nor other substances enter the cylinder.
- ◆ Make sure that there are neither carbon deposits, nor corrosion marks on the electrode and on the central porcelain part; if necessary, clean them with the special cleaners for spark plugs, with an iron wire and/ or a metal brush.
- ◆ Energetically blow some air, in order to prevent the removed residues from getting into the engine.
If the spark plug has crackings on the insulating material, corroded electrodes or excessive deposits, it must be changed.

- ◆ Check the spark plug gap with a thickness gauge.

The gap must be:

- **H50 HC50** 0,6 - 0,7 mm;
 - **H125 HC125** 0,7 - 0,8 mm;
- if necessary adjust it, carefully bending the earth electrode.

- ◆ Make sure that the washer is in good conditions. With the washer on, screw the spark plug by hand in order not to damage the thread.
- ◆ Tighten the spark plug by means of the spanner you will find in the tool kit, giving it half a turn to compress the washer.

Spark plug driving torque:

- **H50 HC50** 20 Nm (2 kgm);
- **H125 HC125** 12-14 Nm (1,2-1,4 kgm).

⚠ CAUTION

The spark plug must be well tightened, otherwise the engine may overheat and be seriously damaged.

Use the recommended type of spark plug only, see p. 82 (TECHNICAL DATA), in order not to compromise the life and performance of the engine.

- ◆ Position the spark plug cap (1).
- ◆ Put back the inspection cover.

BATTERY

Carefully read p. 43 (MAINTENANCE).


WARNING

Risk of fire.

Keep fuel and other flammable substances away from the electrical components.

CAUTION

Never invert the connection of the battery cables.

Connect and disconnect the battery with the ignition switch in position “”, otherwise some components may be damaged.

Connect first the positive cable (+) and then the negative cable (-).
Disconnect following the reverse order.

H50 HC50

Check the electrolyte level and the tightening of the terminals after the first 500 km (312 mi) and then every 4000 km (2500 mi) or every 12 months.

WARNING

The electrolyte in the battery is toxic and caustic and if it gets in contact with the skin it can cause burns, since it contains sulphuric acid.

Wear protection clothes, a face mask and/or goggles during maintenance operations.

In case of contact with the skin, rinse with plenty of water.

In case of contact with the eyes, rinse with plenty of water for fifteen minutes, then consult an oculist without delay.

If the electrolyte is accidentally swallowed, drink a lot of water or milk, then continue drinking milk of magnesia or vegetable oil and consult a doctor without delay.

The battery gives off explosive gases; keep it away from flames, sparks, cigarettes and any other source of heat.

During the recharging or the use, make sure that the room is properly ventilated and avoid inhaling the gases released during the recharging.

KEEP AWAY FROM CHILDREN.

Do not incline the vehicle too much, in order to avoid dangerous leaks of the battery fluid.

The electrolyte is corrosive.
Do not pour or spill it, especially on the plastic parts.

H125 HC125

CAUTION

This vehicle is provided with a maintenance-free battery and no operation is necessary, excepting occasional checks and the recharge when required.

NOTE If you need assistance or technical advice, consult your **aprilia** Official Dealer, who can ensure you prompt and accurate servicing.

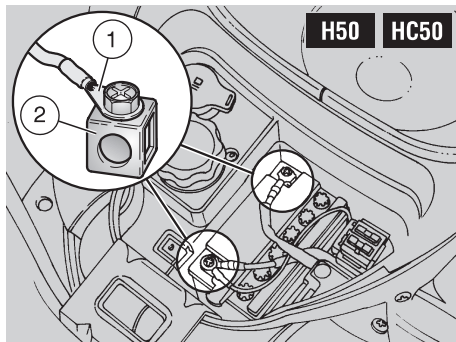
LONG INACTIVITY OF THE BATTERY

If the vehicle remains unused for more than fifteen days, it is necessary to recharge the battery, in order to prevent its sulphation, see p. 67 (RECHARGING THE BATTERY).

It is important to check the charge periodically (about once a month), during the winter or when the vehicle remains unused, in order to prevent the deterioration of the battery.

◆ Recharge it completely with a normal charge, see p. 67 (RECHARGING THE BATTERY).

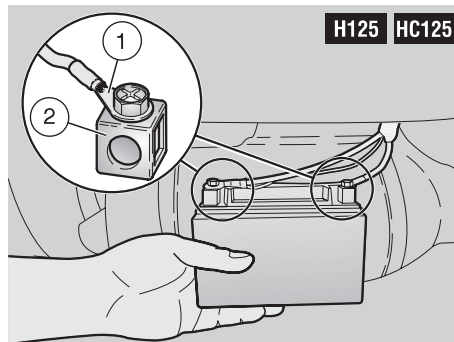
H50 HC50 If the battery remains on the vehicle, disconnect the cables from the terminals.



CHECKING AND CLEANING THE TERMINALS

Carefully read p. 64 (BATTERY).

- ◆ **H50 HC50** Remove the battery cover, see p. 59 (REMOVING THE BATTERY COVER **H50 HC50**).
- ◆ **H125 HC125** Remove the battery (partial removal), see p. 66 (REMOVING THE BATTERY **H125 HC125**).
- ◆ Make sure that the cable terminals (1) and the battery terminals (2) are:
 - in good conditions (and not corroded or covered with deposits);
 - covered with special grease or Vaseline.

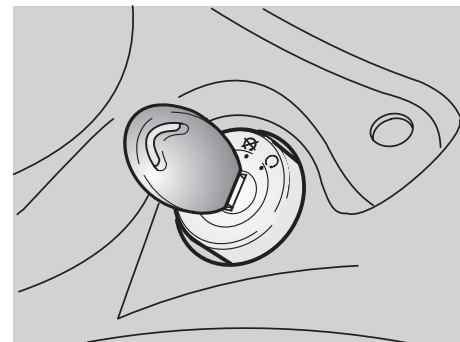


If necessary:

- ◆ Make sure that the ignition switch is in position “”.
- ◆ Disconnect first the negative (–) and then the positive cable (red) (+).
- ◆ Brush with a wire brush to eliminate any sign of corrosion.
- ◆ Reconnect first the positive (red) (+) and then the negative cable (–).
- ◆ Cover the terminals with special grease or Vaseline.

After these operations:

- ◆ **H50 HC50** Put back the battery cover, see p. 59 (REMOVING THE BATTERY COVER **H50 HC50**).
- ◆ **H125 HC125** Put back the battery, see p. 67 (INSTALLING THE BATTERY **H125 HC125**).



REMOVING THE BATTERY **H50 HC50**

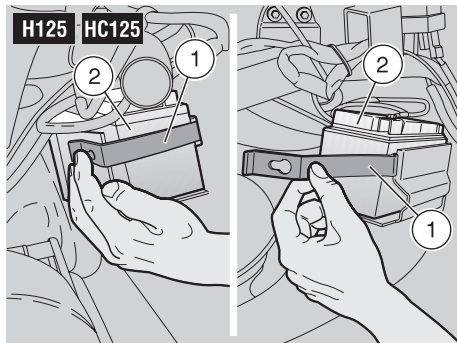
Carefully read p. 64 (BATTERY).

- ◆ Remove the battery cover, see p. 59 (REMOVING THE BATTERY COVER **H50 HC50**).
- ◆ Make sure that the ignition switch is in position “”.
- ◆ Disconnect first the negative (–) and then the positive cable (red) (+).
- ◆ Remove the battery breather pipe.
- ◆ Remove the battery from its compartment and put it on a flat surface, in a cool and dry place.

⚠ WARNING

Once it has been removed, the battery must be stored in a safe place and kept away from children.

- ◆ Put back the battery cover, see p. 59 (REMOVING THE BATTERY COVER **H50 HC50**).



REMOVING THE BATTERY H125 HC125

Carefully read p. 64 (BATTERY).

PARTIAL REMOVAL

- ◆ Position the vehicle on the centre stand.

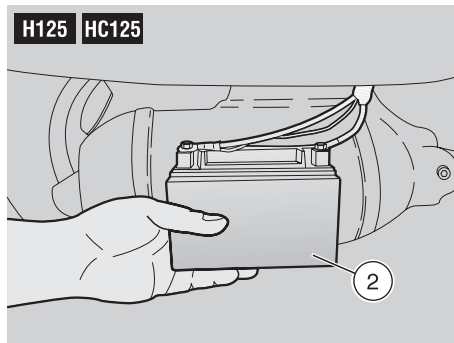
⚠ WARNING

Wait until the engine and the exhaust silencer have completely cooled down.

- ◆ Make sure that the ignition switch is in position "OFF".
- ◆ Working on the right side of the vehicle, introduce your left hand under the fairing.
- ◆ Release the belt (1) that holds the battery.
- ◆ Move the belt (1) sideways.

⚠ CAUTION

The battery is connected with the electric cables. Do not force the cables while removing it.



- ◆ Grasp the battery (2) and remove it from its compartment by withdrawing it from behind.

COMPLETE REMOVAL

- ◆ Disconnect first the negative cable (–) and then the positive cable (red) (+).
- ◆ Position the battery (2) on a flat surface, in a cool and dry place.

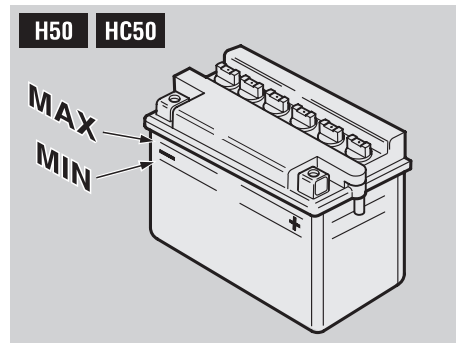
⚠ WARNING

After removal, the battery must be stored in a safe place and kept away from children.

CHECKING THE ELECTROLYTE LEVEL H50 HC50

Carefully read p. 64 (BATTERY).

- ◆ Remove the battery from its compartment, see beside (REMOVING THE BATTERY H50 HC50).



- ◆ Make sure that the fluid level is included between the two "MIN" and "MAX" notches stamped on the battery side.

Otherwise:

- ◆ Unscrew and remove the element plugs.

⚠ CAUTION

Top up with distilled water only. Do not exceed the "MAX" mark, since the electrolyte level increases during the re-charge.

- ◆ Top up by adding distilled water.

⚠ CAUTION

After topping up, put back the element plugs in the correct position.

- ◆ Put back the element plugs.

RECHARGING THE BATTERY

Carefully read p. 64 (BATTERY).

H50 HC50

- ◆ Remove the battery from its compartment, see p. 65 (REMOVING THE BATTERY **H50 HC50**).
- ◆ Unscrew and remove the element plugs.
- ◆ Check the electrolyte level, see p. 66 (CHECKING THE ELECTROLYTE LEVEL **H50 HC50**).

H125 HC125

- ◆ Remove the battery (complete removal), see p. 66 (REMOVING THE BATTERY **H125 HC125**).

NOTE Do not remove the battery plugs; without plugs the battery may be damaged.

- ◆ Connect the battery with a battery charger.
- ◆ A recharge with an amperage equal to **1/10th** of the battery capacity is recommended.

H50 HC50

- ◆ After the recharging operation, check the electrolyte level again and if necessary top up with distilled water.
- ◆ Replace the element plugs.

⚠ CAUTION

Reassemble the battery only 5-10 minutes after disconnecting the recharger, since the battery continues to produce gas for a short lapse of time.

INSTALLING THE BATTERY **H50 HC50**

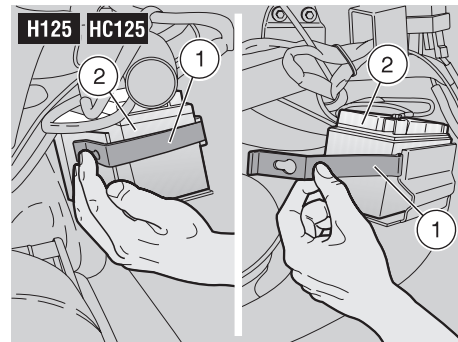
Carefully read p. 64 (BATTERY).

- ◆ Remove the battery cover, see p. 59 (REMOVING THE BATTERY COVER **H50 HC50**).
- ◆ Put the battery in its container.
- ◆ Connect the breather pipe.

⚠ CAUTION

Always connect the battery breather pipe, to prevent the sulphuric acid vapours from corroding the electric system, painted parts, rubber elements or gaskets when they exit the breather pipe itself.

- ◆ Connect, in order, the positive (red) (+) and negative (–) cable.
- ◆ Cover the terminals with special grease or Vaseline.
- ◆ Put back the battery cover, see p. 59 (REMOVING THE BATTERY COVER **H50 HC50**).



INSTALLING THE BATTERY **H125 HC125**

Carefully read p. 64 (BATTERY).

- ◆ Connect, in order, the positive (red) (+) and negative (–) cable.
- ◆ Cover the terminals with special grease or Vaseline.

⚠ CAUTION

Upon reassembly the electric cables must be guided in the correct position, in such a way as not to crush them.

- ◆ Position the battery in its compartment.
- ◆ Put back the belt (1) that holds the battery (2).

CHANGING THE FUSES

Carefully read p. 43 (MAINTENANCE).

⚠ CAUTION

Do not repair faulty fuses.

Never use fuses different from the recommended ones.


The use of unsuitable fuses may damage the electric system or, in case of short circuit, may even cause a fire.

NOTE If a fuse blows frequently, there probably is a short circuit or an overload in the electric system.

In this case it is advisable to consult an **aprilia** Official Dealer.

If an electric component does not work or works irregularly, or if the engine fails to start, it is necessary to check the fuses.

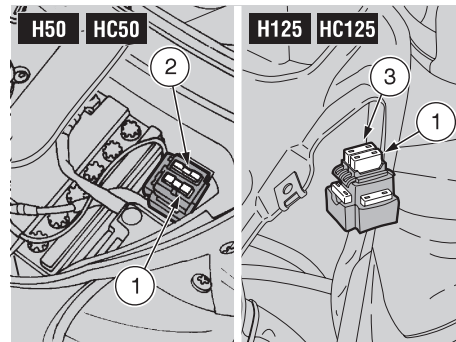
To carry out the checking:

- ◆ Turn the ignition switch to position “

- ◆ Extract the fuses one by one and check if the filament is broken.
- ◆ Before replacing a fuse, try to find out the cause of the trouble, if possible.
- ◆ Then replace the damaged fuse with a new one having the same amperage.

NOTE If you use one of the spare fuses, put a new fuse in the appropriate seat.

- ◆ **H50 HC50** Put back the battery cover, see p. 59 (REMOVING THE BATTERY COVER **H50 HC50**).
- ◆ **H125 HC125** Put back the right inspection cover, see p. 59 (REMOVING THE RIGHT AND LEFT INSPECTION COVERS).



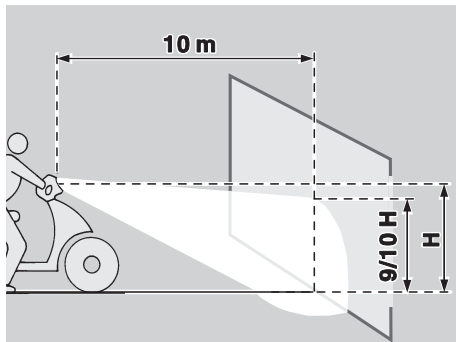
ARRANGEMENT OF THE FUSES

7.5 A fuse (1) - From key switch to:

- start relay and relevant circuit;
- fuel level sensor and relevant circuit;
- horn;
- parking lights and instrument lighting;
- **H50 HC50** direction indicators and relevant circuit;
- **H50 HC50** stop light and relevant circuit;
- **H50 HC50** 2 stroke oil reserve sensor and relevant circuit;
- **H125 HC125** engine oil pressure sensor and engine oil circuit.

H50 HC50 10A fuse (2) – From battery to key switch, voltage regulator.

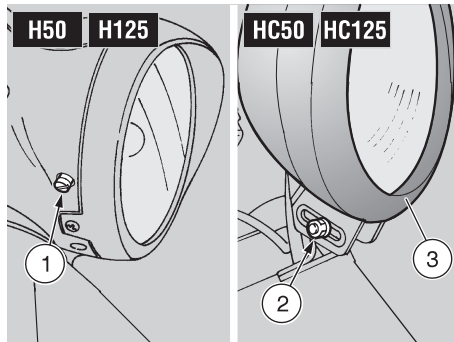
H125 HC125 15A fuse (3) – From battery to key switch, generator.



ADJUSTING THE VERTICAL HEADLIGHT BEAM

To rapidly check the correct direction of the beam, place the vehicle on flat ground, 10 m away from a wall.

Turn on the low beam, sit on the vehicle and make sure that the beam projected on the wall is slightly under the horizontal line of the headlight (about 9/10th of the total height).



H50 HC50

To adjust the headlight beam:

- ◆ Act on the suitable screw (1) by means of a screwdriver.

By TURNING IT CLOCKWISE, you set the beam upwards.

By TURNING IT ANTICLOCKWISE, you set the beam downwards.

H125 HC125

To adjust the headlight beam, proceed as follows:

- ◆ Loosen the nut (2).
- ◆ Adjust the inclination of the headlight (3).
- ◆ Tighten the nut (2).
- ◆ Make sure that the nut (2) is tightened correctly.
- ◆ Make sure that the headlight (3) is directed correctly.

BULBS

Carefully read p. 43 (MAINTENANCE)

⚠ WARNING

Risk of fire.

Keep fuel and other flammable substances away from the electrical components.

⚠ CAUTION

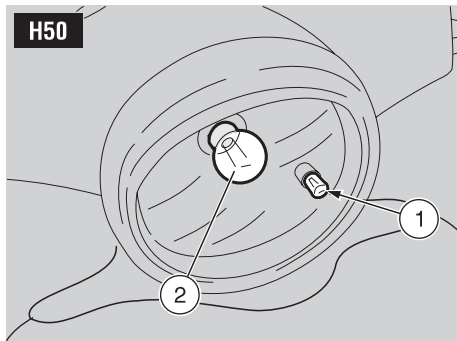
Before changing a bulb, position the vehicle on the centre stand, move the ignition switch to position “” and wait a few minutes, so that the bulb cools down.

Change the bulb wearing clean gloves or using a clean and dry cloth.

Do not leave fingerprints on the bulb, since these may cause its overheating and consequent breakage.

If you touch the bulb with bare hands, remove any fingerprint with alcohol, in order to avoid any damage.

DO NOT FORCE THE ELECTRIC CABLES.

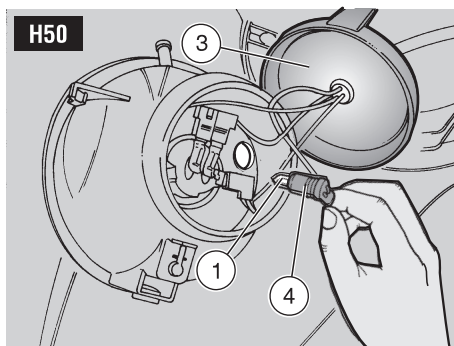


CHANGING THE HEADLIGHT BULBS **H50**

Carefully read p. 69 (BULBS).

The headlight contains:

- one parking light bulb (1);
- one low / high beam bulb (2).



To reach the bulbs, proceed as follows:

- ◆ Remove the lower handlebar cover, see p. 56 (REMOVING THE LOWER HANDLEBAR COVER **H50** **H125**).
- ◆ Manually move the protection element (3).

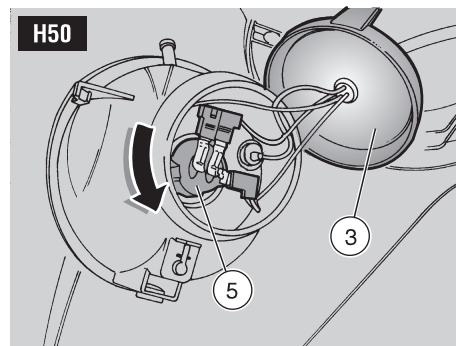
To change the bulbs, proceed as follows:

PARKING LIGHT BULB

⚠ CAUTION

Do not pull the electric cables to extract the bulb socket.

- ◆ Grasp the parking light bulb socket (4), pull it and remove it from its seat.
- ◆ Withdraw the parking light bulb (1) and replace it with a new one of the same type.

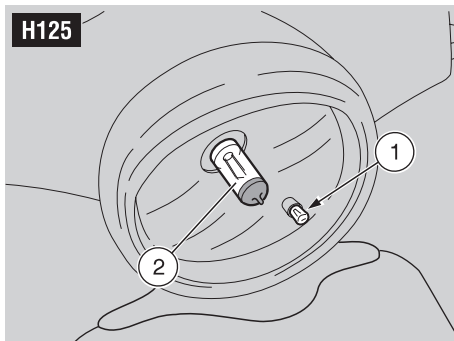


LOW / HIGH BEAM BULB

- ◆ Rotate the bulb socket (5) anticlockwise and extract it.
- ◆ Press the bulb (2) moderately and rotate it anticlockwise.
- ◆ Extract the bulb from its seat.

NOTE Insert the bulb in the bulb socket, making the relevant positioning seats coincide.

- ◆ Correctly install a new bulb of the same type.

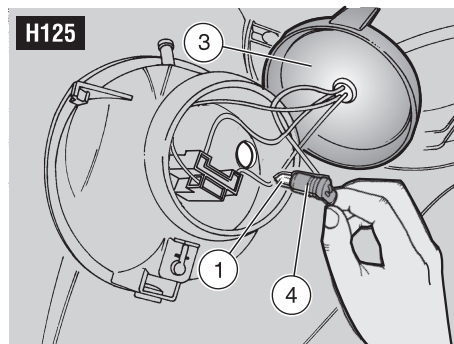


CHANGING THE HEADLIGHT BULBS H125

Carefully read p. 69 (BULBS).

The headlight contains:

- one parking light bulb (1);
- one low / high beam bulb (2) (halogen).



To reach the bulbs, proceed as follows:

- ◆ Remove the headlight metal ring, see p. 56 (REMOVING THE HEADLIGHT METAL RING H50 H125).
- ◆ Manually move the protection element (3).

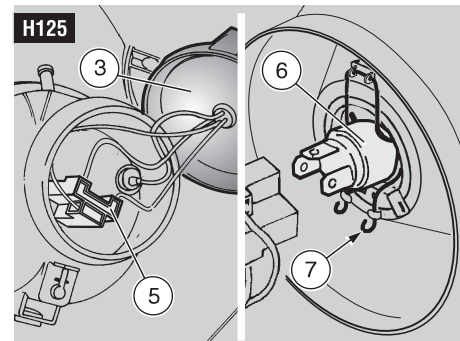
To change the bulbs, proceed as follows:

PARKING LIGHT BULB

⚠ CAUTION

Do not pull the electric cables to extract the bulb socket.

- ◆ Grasp the parking light bulb socket (4), pull it and remove it from its seat.
- ◆ Withdraw the parking light bulb (1) and replace it with a new one of the same type.



LOW/HIGH BEAM BULB (HALOGEN)

⚠ CAUTION

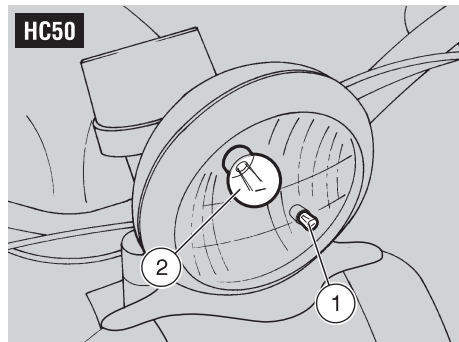
To extract the bulb electric connector, do not pull its electric wires.

- ◆ Grasp the bulb electric connector (5), pull it and disconnect it from the bulb (6).
- ◆ Release the clip (7) that holds the bulb (6).
- ◆ Extract the bulb from its seat.

For the reassembly:

NOTE Insert the bulb in the bulb socket, making the relevant positioning seats coincide.

- ◆ Correctly install a new bulb of the same type.
- ◆ Put back the clip (7).
- ◆ Connect the bulb electric connector (5).

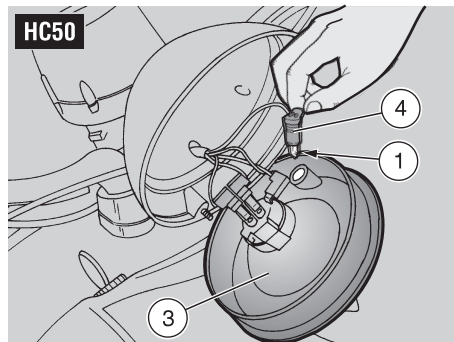


CHANGING THE HEADLIGHT BULBS HC50

Carefully read p. 69 (BULBS).

The headlight contains:

- one parking light bulb (1);
- one low / high beam bulb (2).



To reach the bulbs, proceed as follows:

- ◆ Remove the headlight metal ring, see p. 56 (REMOVING THE HEADLIGHT METAL RING HC50 HC125).

⚠ CAUTION

Proceed with care.
Do not force the electric wires.

- ◆ Partially remove the reflector (3).

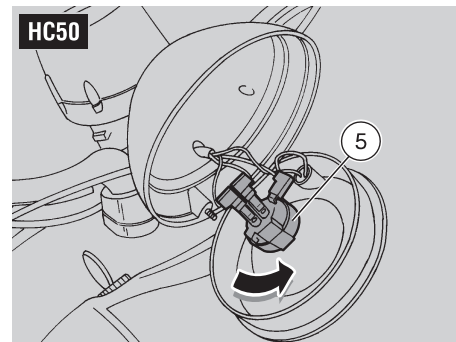
To change the bulbs, proceed as follows:

PARKING LIGHT BULB

⚠ CAUTION

Do not pull the electric cables to extract the bulb socket.

- ◆ Grasp the parking light bulb socket (4), pull it and remove it from its seat.
- ◆ Withdraw the parking light bulb (1) and replace it with a new one of the same type.

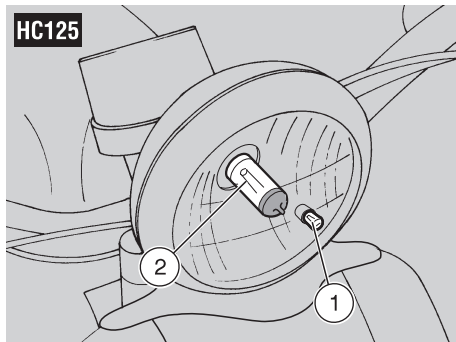


LOW/HIGH BEAM BULB

- ◆ Rotate the bulb socket (5) anticlockwise and extract it.
- ◆ Press the bulb (2) moderately and rotate it anticlockwise.
- ◆ Extract the bulb from its seat.

NOTE Insert the bulb in the bulb socket, making the relevant positioning seats coincide.

- ◆ Correctly install a new bulb of the same type.

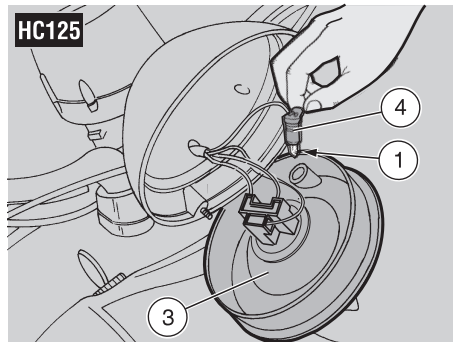


CHANGING THE HEADLIGHT BULBS HC125

Carefully read p. 69 (BULBS).

The headlight contains:

- one parking light bulb (1);
- one low / high beam bulb (2) (halogen).



To reach the bulbs, proceed as follows:

- ◆ Remove the headlight metal ring, see p. 56 (REMOVING THE HEADLIGHT METAL RING H50 H125).

⚠ CAUTION

Proceed with care.

Do not force the electric wires.

- ◆ Partially remove the reflector (3).

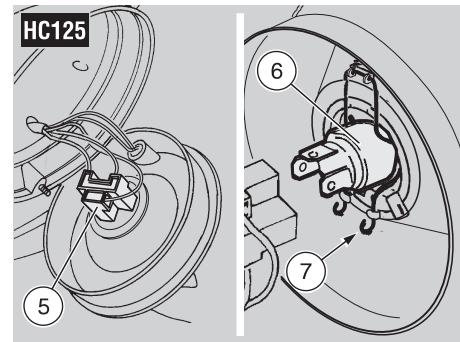
To change the bulbs, proceed as follows:

PARKING LIGHT BULB

⚠ CAUTION

Do not pull the electric cables to extract the bulb socket.

- ◆ Grasp the parking light bulb socket (4), pull it and remove it from its seat.
- ◆ Withdraw the parking light bulb (1) and replace it with a new one of the same type.



LOW/HIGH BEAM BULB (HALOGEN)

⚠ CAUTION

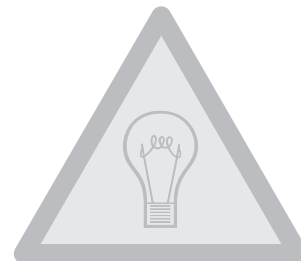
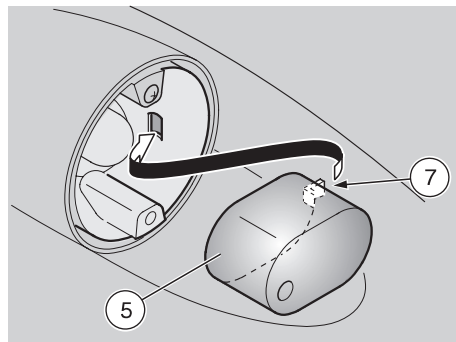
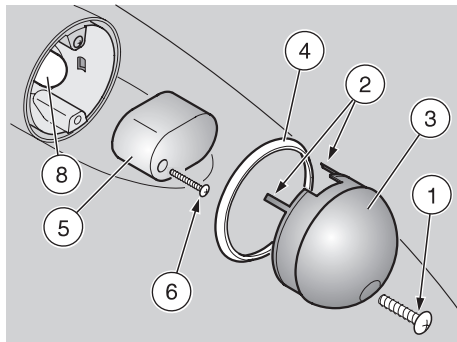
To extract the bulb electric connector, do not pull its electric wires.

- ◆ Grasp the bulb electric connector (5), pull it and disconnect it from the bulb (6).
- ◆ Release the clip (7) that holds the bulb (6).
- ◆ Extract the bulb from its seat.

For the reassembly:

NOTE Insert the bulb in the bulb socket, making the relevant positioning seats coincide.

- ◆ Correctly install a new bulb of the same type.
- ◆ Put back the clip (7).
- ◆ Connect the bulb electric connector (5).



CHANGING THE FRONT AND REAR DIRECTION INDICATOR BULBS

Carefully read p. 69 (BULBS).

H50 HC50 NOTE Before changing a bulb, check the fuses, see p. 68 (CHANGING THE FUSES).

To change the bulbs:

- ◆ Unscrew and remove the screw (1).

NOTE When removing the protection screen, proceed with care, in order not to break the tangs (2).

- ◆ Remove the protection screen (3).

NOTE Upon reassembly, fit the tangs (2) correctly in the appropriate seats.

- ◆ Take the metal ring (4).

NOTE The coloured screen (5) is supplied only if the direction indicator is equipped with a protection screen (3) of the “transparent colourless” type.

- ◆ Unscrew and remove the screw (6).

NOTE When removing the coloured screen, proceed with care, in order not to break the tang.

- ◆ Rotate the coloured screen (5) towards the inside, until releasing the tang (7), then remove it.

NOTE Upon reassembly, correctly insert the tang (7) in the appropriate seat.

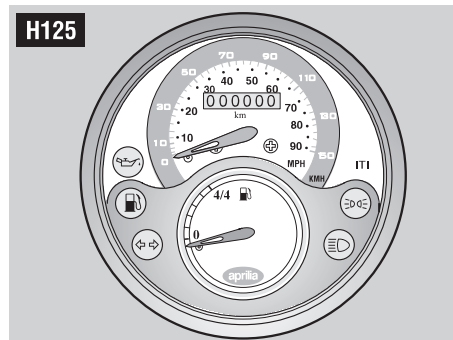
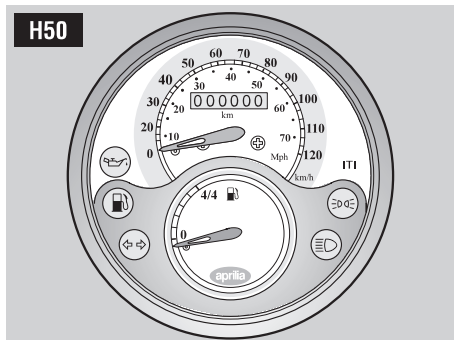
- ◆ Press the bulb (8) slightly and rotate it anticlockwise.
- ◆ Extract the bulb from its seat.

NOTE To install the new bulb: introduce the bulb in the bulb socket, making sure that the two guide pins coincide with the relevant guides on the bulb socket.

- ◆ Correctly install a new bulb of the same type.

For the reassembly:

NOTE Tighten the screw (1) and the screw (6) moderately and with great care, in order to avoid damaging the protection screen (3) and the coloured screen (5).



CHANGING THE DASHBOARD BULBS H50 H125

Carefully read p. 69 (BULBS).

NOTE Before changing a bulb, check the fuses, see p. 68 (CHANGING THE FUSES)

The dashboard contains:

- the warning light bulbs;
- the dashboard lighting bulbs.

To change the bulbs:

WARNING LIGHT BULBS

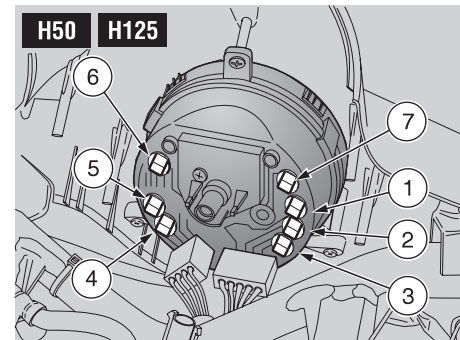
- ♦ Partially remove the upper handlebar cover, see p. 57 (PARTIAL REMOVAL OF THE UPPER HANDLEBAR COVER H50 H125).

NOTE Extract the bulb sockets one by one, in such a way as to avoid positioning them incorrectly during the reassembly.

- ♦ Extract the relative bulb socket:

Pos.	Warning light	Colour
1	H50 2 stroke oil reserve (⚡)	red
1	H125 Engine oil pressure	red
2	Low fuel (⛽)	amber
3	Direction indicators (↔)	green
4	High beam (⚡)	blue
5	Parking lights and low beam (⚡)	green

- ♦ Extract the bulb and replace it with one of the same type.



DASHBOARD LIGHTING BULBS

NOTE To change the two bulbs of the upper part of the dashboard, it is sufficient to remove the lower handlebar cover.

- ♦ Remove the lower handlebar cover, see p. 56 (REMOVING THE LOWER HANDLEBAR COVER H50 H125)

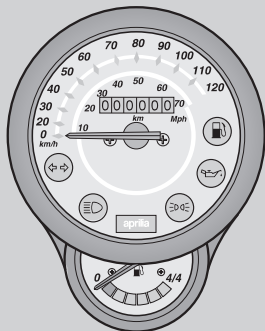
NOTE Extract the bulb sockets one by one, in such a way as to avoid positioning them incorrectly during the reassembly.

- ♦ Extract the bulb socket of the dashboard part in which there has been a light decrease:

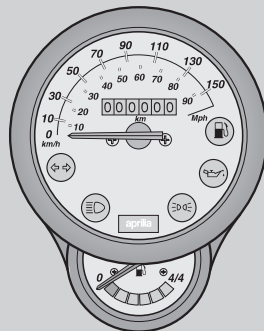
Pos.	Lit part
6	Upper right part
7	Upper left part

- ♦ Extract the bulb and replace it with one of the same type.

HC50



HC125



CHANGING THE DASHBOARD BULBS

HC50 HC125

Carefully read p. 69 (BULBS).

NOTE Before changing a bulb, check the fuses, see p. 68 (CHANGING THE FUSES)

The dashboard contains:

- the warning light bulbs;
- the dashboard lighting bulbs.

To change the bulbs:

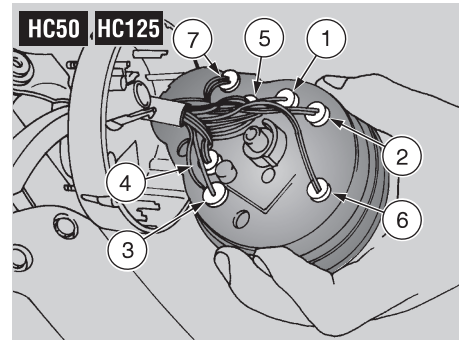
- ♦ Partially remove the dashboard, see p. 58 (PARTIAL REMOVAL OF THE DASHBOARD HC50 HC125).

WARNING LIGHT BULBS

NOTE Extract the bulb sockets one by one, in such a way as to avoid positioning them incorrectly during the reassembly.

- ♦ Extract the relative bulb socket:

Pos.	Warning light	Colour
1	HC50 2 stroke oil reserve (↗)	red
1	HC125 Engine oil pressure	red
2	Low fuel (⛽)	amber
3	Direction indicators (↔)	green
4	High beam (≡▷)	blue
5	Parking lights and low beam (▷◁)	green



- ♦ Extract the bulb and replace it with one of the same type.

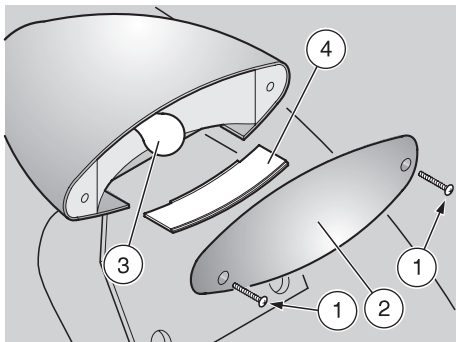
DASHBOARD LIGHTING BULBS

NOTE Extract the bulb sockets one by one, in such a way as to avoid positioning them incorrectly during the reassembly.

- ♦ Extract the bulb socket of the dashboard part in which there has been a light decrease:

Pos.	Lit part
6	Upper central part
7	Upper right part

- ♦ Extract the bulb and replace it with one of the same type.

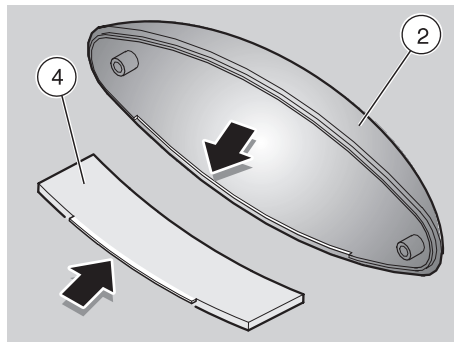


CHANGING THE REAR LIGHT BULB

H50 HC50

Carefully read p. 69 (BULBS).

NOTE Before changing a bulb, check the fuse, see p. 68 (CHANGING THE FUSES) and the effective operation of the stop-light switches, see p. 60 (CHECKING THE SWITCHES).



To change the bulb:

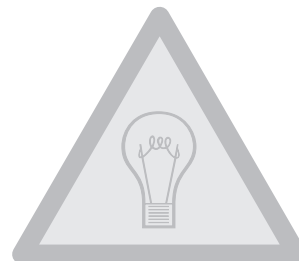
- ◆ Position the vehicle on the stand.
- ◆ Unscrew and remove the two screws (1).
- ◆ Remove the protection screen (2).

NOTE Upon reassembly, correctly position the protection screen in its seat. The lower part has shaped profile.

⚠ CAUTION

Upon reassembly, tighten the two screws (1) moderately and carefully, to avoid damaging the protection screen.

- ◆ Press the bulb (3) slightly and rotate it anticlockwise.
- ◆ Extract the bulb from its seat.



NOTE Insert the bulb in the bulb socket, making the two bulb pins coincide with the relevant guides on the socket.

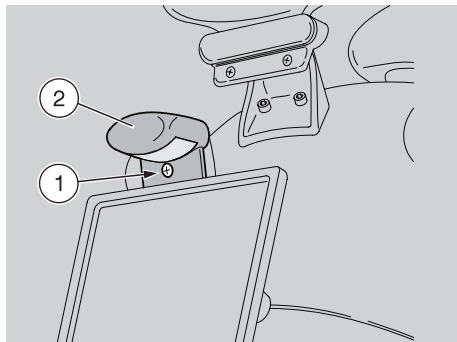
- ◆ Correctly install a new bulb of the same type.

H50 HC50

NOTE If the transparent screen of the number plate light (4) has been removed, put it back in the correct position. The front part has shaped profile.

H125 HC125

NOTE If it has been removed, position the transparent screen (4) correctly. The front part has shaped profile.



CHANGING THE NUMBER PLATE BULB H125 H6125

Carefully read p. 69 (BULBS).

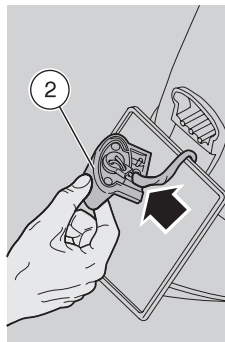
To change the bulb:

- ◆ Position the vehicle on the centre stand.
- ◆ Unscrew and remove the screw (1).
- ◆ Remove the light unit (2).

⚠ CAUTION

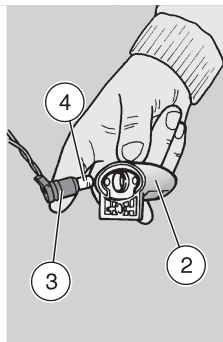
Do not pull the electric wires to extract the bulb socket.

- ◆ Grasp the bulb socket (3), pull it and remove it from its seat.
- ◆ Remove the bulb (4) from its seat.
- ◆ Correctly install a new bulb of the same type.



⚠ CAUTION

Upon reassembly, position the electric cable correctly in the appropriate grooved seat on the right side of the light unit (2).



TRANSPORT

⚠ WARNING

Before transporting the vehicle, it is necessary to empty the fuel tank and the carburettor completely, see p. 79 (DRAINING THE FUEL TANK) making sure that both are completely dry.

During transport the vehicle must be kept in vertical position and be firmly anchored, in order to avoid any leakage of fuel, oil or coolant.

In case of failure, do not tow the vehicle, but ask for assistance.



DRAINING THE FUEL TANK

Carefully read p. 25 (FUEL).

WARNING

Risk of fire.

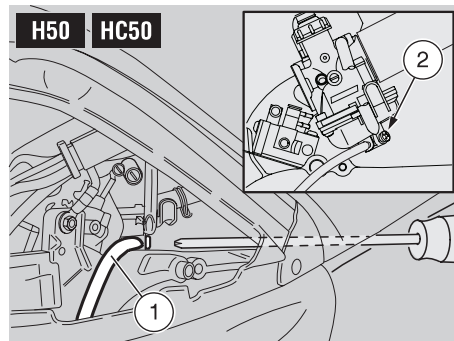
Wait until the engine and the exhaust silencer have completely cooled down. Fuel vapours are noxious for your health.

Before proceeding, make sure that the room in which you are working is properly ventilated.

Do not inhale fuel vapours.

Do not smoke, nor use free flames.

DO NOT DISPOSE OF FUEL IN THE ENVIRONMENT.

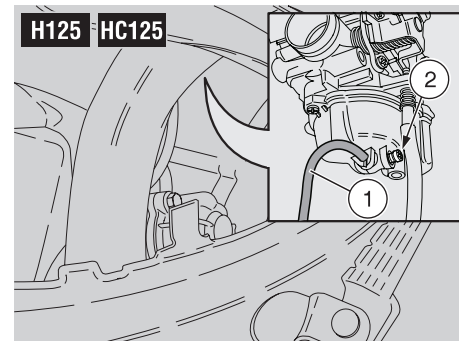


- ◆ Position the vehicle on the centre stand.
- ◆ Stop the engine and wait until it has cooled down.
- ◆ Prepare a container with capacity exceeding the fuel quantity present in the tank and put it on the ground on the left side of the vehicle.
- ◆ Remove the filler cap.
- ◆ Empty the fuel tank by means of a manual pump or a similar system.

WARNING

After draining the tank, put back the filler cap in the correct position.

- ◆ Put back the filler cap.



To drain the carburettor completely, proceed as follows:

- ◆ Remove the left inspection cover, see p. 59 (REMOVING THE RIGHT AND LEFT INSPECTION COVERS).
- ◆ Put the free end of the pipe (1) into a receptacle.
- ◆ Open the carburettor outlet by loosening the drain screw (2) positioned under the float chamber.

When all the fuel has flowed out of the carburettor:

- ◆ Tighten the drain screw (2) completely.

WARNING

Tighten the drain screw (2) with care, to avoid fuel leakages from the carburettor during the refuelling.

If necessary, contact an **aprilia Official Dealer.**



Clean the vehicle frequently if it used in particular areas or conditions, such as:

- ◆ Polluted areas (cities and industrial areas).
- ◆ Areas characterized by an high percentage of salinity and humidity (sea areas, hot and humid climates).
- ◆ Particular conditions (use of salt and anti-ice chemical products on the roads during the winter).
- ◆ Avoid leaving deposits of industrial and polluting powders, tar spots, dead insects, bird droppings, etc. on the body.
- ◆ Avoid parking the vehicle under trees, since in some seasons residues, resins, fruits or leaves fall down, which contain substances that may damage the paint.

⚠ WARNING

After the vehicle has been washed, its braking functions could be temporarily impaired because of the presence of water on the grip surfaces. Calculate long braking distances to avoid accidents. Brake repeatedly to restore normal conditions.

Carry out the preliminary checking operations, see p. 33 (PRELIMINARY CHECKING OPERATIONS).

To remove dirt and mud from the painted surfaces use a low- pressure water jet, carefully wet the dirty parts, remove mud and filth with a soft car sponge impregnated with a lot of water and shampoo (2 – 4% parts of shampoo in water). Then rinse with plenty of water and dry with chamois leather.

To clean the outer parts of the engine use a degreaser, brushes and wipers.

⚠ CAUTION

Polish with silicone wax only after having carefully washed the vehicle.

Do not use polishing pastes on matt paints.

Do not wash the vehicle under the sun, especially during the summer, when the body is still warm, since if the shampoo dries before being rinsed away, it can damage the paint.

Do not use liquids at a temperature exceeding 40°C to clean the plastic components of the vehicle

Use neither high pressure water / air jets, nor vapour jets on the following parts: wheel hubs, controls on the right and on the left side of the handlebar, bearings, brake pumps, instruments and indicators, silencer exhaust, glove / tool kit compartment, ignition switch / steering lock.

Do not use alcohol, petrol or solvents to clean the rubber and plastic parts and the saddle: use only water and mild soap.

⚠ WARNING

Do not apply protection waxes onto the saddle, in order not to make it too slippery.

LONG PERIODS OF INACTIVITY

After a long period of inactivity of the vehicle some precautions are necessary to avoid any problem.

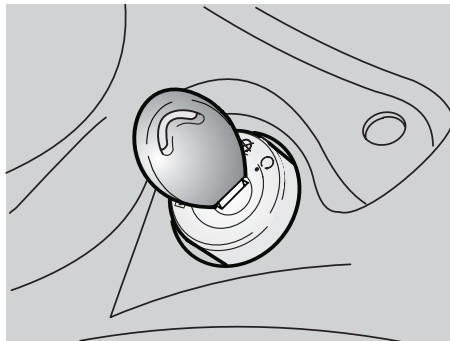
Further, it is important to carry out the necessary repairs and a general check up before the period of inactivity, since you could forget to carry them out later.

Proceed as follows:

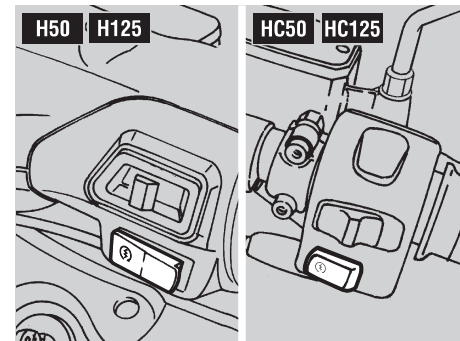
- ◆ Empty the fuel tank and the carburettor, see p. 79 (DRAINING THE FUEL TANK).
- ◆ Extract the spark plug, see p. 62 (SPARK PLUG) and pour a teaspoon (5-10 cm³) of two-stroke engine oil into the cylinder,

NOTE Put a clean cloth on the cylinder, near the spark plug seat, in order to protect it from oil sprays.

- ◆ Move the ignition switch to position “○”, press the start push button “③” for a few seconds, to distribute the oil evenly on the cylinder surfaces.
- ◆ Remove the cloth.
- ◆ Put back the spark plug.
- ◆ Remove the battery, see p. 65 (REMOVING THE BATTERY **H50 HC50**) and p. 66 (REMOVING THE BATTERY **H125 HC125**).



- ◆ Wash and dry the vehicle, see p. 80 (CLEANING).
- ◆ Polish the painted surfaces with wax.
- ◆ Inflate the tyres, see p. 30 (TYRES).
- ◆ By means of a suitable support, position the vehicle so that both tyres are raised from the ground.
- ◆ Place the vehicle in an unheated, not-humid room, away from sunlight, with minimum temperature variations.
- ◆ Position and tie a plastic bag on the final pipe of the exhaust silencer, in order to prevent moisture from getting into it.
- ◆ Cover the vehicle avoiding the use of plastic or waterproof materials.



AFTER A PERIOD OF INACTIVITY




- ◆ Uncover and clean the vehicle, see p. 80 (CLEANING).
- ◆ Check the charge of the battery, see p. 67 (RECHARGING THE BATTERY) and install it, see p. 67 (INSTALLING THE BATTERY **H50 HC50**) and (INSTALLING THE BATTERY **H125 HC125**).
- ◆ Make sure that the fuel drain screw is thoroughly screwed (breather pipe closing index), see p. 79 (DRAINING THE FUEL TANK).
- ◆ Refuel, see p. 25 (FUEL).
- ◆ Carry out the preliminary checking operations, see p. 33 (PRELIMINARY CHECKING OPERATIONS).

⚠ WARNING

Have a test ride at moderate speed in a low-traffic area.

TECHNICAL DATA



Description		H50	HC50	H125	HC125
DIMENSIONS	Max. length	1900 mm	1950 mm	1980 mm	
	Max. width	720 mm	900 mm	720 mm	920 mm
	Max. height (headlight included)	1075 mm	1120 mm	1090 mm	1135 mm
	Seat height	745 mm	750 mm	780 mm	755 mm
	Distance between centres	1300 mm	1285 mm	1350 mm	
	Min. ground clearance	137 mm	140 mm	85 mm	
	Weight ready for starting	97 kg		115 kg	
ENGINE	Model	–		M222	
	Type	2-stroke with controlled ignition		4-stroke with controlled ignition	
	Number of valves	–		2	
	Number of cylinders	horizontal one-cylinder			
	Total displacement	49,38 cm³		124,0 cm³	
	Bore/stroke	41,0 mm / 37,4 mm		57,0 mm / 48,6 mm	
	Compression ratio	11,3 ± 0,5:1		10,8 ± 0,5:1	
	Starting	electric + kick starter			
	Clutch	centrifugal			
	Change gear	automatic stepless variator			
	Lubrication system	–		With wet sump, forced circulation with mechanical pump; level check through sight glass	
	Cooling	with forced air			

Description		H50	HC50	H125	HC125
TRANSMISSION	Speed change gear	automatic and stepless			
	Primary	V-belt			
	Ratios	minimum for stepless change: 2,9 maximum for stepless change: 0,75		minimum for stepless change: 2,38 maximum for stepless change: 0,79	
	Secondary	with gears			
CAPACITY	Fuel (reserve included)	7,5ℓ		8ℓ	
	Fuel reserve	2ℓ			
	Transmission oil	130 cm³		85 cm³	
	2 stroke oil (reserve included)	1,4ℓ		–	
	2 stroke oil reserve	0,4ℓ		–	
	Engine oil - engine oil change only	–		850 cm³	
	Seats	1 (2 in the countries where this is allowed)		n° 2	
	Vehicle max. load (driver + luggage)	105 kg		105 kg	
	Vehicle max. load (driver+passenger+luggage)	180 kg (in the countries where this is allowed)		180 kg	
CARBURETTOR	Model	KEIHIN PWS 12		MIKUNI BS 24	
	Choke tube	Ø12 mm		Ø22 mm	
FUEL SUPPLY	Fuel	Premium grade petrol (4 Stars ) according to the DIN 51600 standard, min. O.N. 98 (N.O.R.M.) and 88 (N.O.M.M.)		Leaded (4 Stars ) or unleaded premium grade petrol, min. O.N. 95 (N.O.R.M.) and 85 (N.O.M.M.)	
	Fuel 	Unleaded petrol according to the DIN 51607 standard, min. O.N. 95 (N.O.R.M.) and 85 (N.O.M.M.)		–	

Description		H50	HC50	H125	HC125
FRAME	Type	one beam split in two at the rear			
SUSPENSIONS	Front	fork with connection elements			
	Stroke	50 mm			
	Rear	hydraulic mono-shock absorber			
	Stroke	67,5 mm		72 mm	
BRAKES	Front	disc brake, Ø190 mm with hydraulic transmission			
	Rear	drum brake, Ø120 mm, with mechanic transmission		drum brake, Ø140 mm, with mechanic transmission	
WHEELS	Type	alloy			
	Front	3,00 x 12"			
	Rear	3,50 x 10"			
TYRES	Type	tubeless			
	Front	120/70 - 12" - 51J		120/70 - 12" - 51P	
	Rear	130/70 - 10" - 59J		130/70 - 10" - 59P	
	STANDARD INFLATION PRESSURE				
	Front	170 kPa (1,7 bar)			
	Rear	190 kPa (1,9 bar)			
	INFLATION PRESSURE WITH PASSENGER (H50 HC50 where drive with passenger is allowed)				
	Front	190 kPa (1,9 bar)		170 kPa (1,7 bar)	
	Rear	210 kPa (2,1 bar)			
IGNITION	Type	C.D.I.			
	Spark advance	14° ± 1° before T.D.C.		10° ± 1° before T.D.C.	

Description		H50	HC50	H125	HC125
SPARK PLUG	Standard	NGK R BPR8HS		CHAMPION RG4HC	
	alternative	NGK R BPR7HS		–	
	Spark plug gap	0,6 - 0,7 mm		0,7 - 0,8 mm	
	Engine idle rpm	1600 ± 200 rpm			
ELECTRIC SYSTEM	Battery	12 V - 4 Ah		12 V - 9 Ah	
	Fuses	7,5 A - 10 A		7,5 A - 15 A	
	Generator (with permanent magnet)	12 V - 115 W		12 V - 100 W	
BULBS	Low / high beam	12 V - 35/35 W		–	
	Low / high beam (halogen)	–		12 V - 55/60 W H4	
	Front parking light	12 V - 5 W		12 V - 3 W	
	Direction indicators	12 V - 10 W			
	Rear parking light / stoplight / number plate light	12 V - 5/21 W		–	
	Rear parking light / stoplight	–		12 V - 5/21 W	
	Number plate light	–		12 V - 3 W	
	Dashboard light	12 V - 2 W	12 V - 1,2 W	12 V - 1,2 W	
WARNING LIGHTS	Low beam and parking light	12 V - 1,2 W			
	High beam	12 V - 1,2 W			
	Direction indicators	12 V - 2 W			
	2 stroke oil reserve	12 V - 2 W		–	
	Engine oil pressure	–		12 V - 2 W	
	Low fuel	12 V - 2 W			

LUBRICANT CHART

Transmission oil (recommended):  F.C., SAE 75W - 90 or  Agip GEAR SYNTH, SAE 75W - 90.





As an alternative to the recommended oil, it is possible to use high-quality oils with characteristics in compliance with or superior to the A.P.I. GL-4 specifications.

Mixer oil (recommended):  GREEN HIT 2 or  Agip CITY 2T.



As an alternative to the recommended oil, use high-quality oils with characteristics in compliance with or superior to the ISO-L-ETC++, A.P.I. TC++ specifications.

Fork oil (recommended):  F.A. 5W or  F.A. 20W fork oil;



an alternative  Agip FORK 5W or  Agip FORK 20W fork oil.

If you need an oil with intermediate characteristics in comparison with the  F.A. 5W and  F.A. 20W or  Agip FORK 5W and  Agip FORK 20W, these can be mixed as indicated below:

SAE 10W =  F.A. 5W 67% of the volume +  F.A. 20W 33% of the volume, or

 Agip FORK 5W 67% of the volume +  Agip FORK 20W 33% of the volume;

SAE 15W =  F.A. 5W 33% of the volume +  F.A. 20W 67% of the volume, or

 Agip FORK 5W 33% of the volume +  Agip FORK 20W 67% of the volume.

Bearings and other lubrication points (recommended):  AUTOGREASE MP or  Agip GREASE 30.

As an alternative to the recommended product, use high-quality grease for rolling bearings, working temperature range -30°C.... +140°C, dripping point 150°C... 230°C, high protection against corrosion, good resistance to water and oxidation.

Protection of the battery poles: neutral grease or vaseline.

WARNING

Use new brake fluid only.

Brake fluid (recommended):  F.F., DOT 5 (DOT 4 compatible) or  Agip BRAKE 5.1, DOT 5 (DOT 4 compatible).

WARNING



Use only antifreeze and anticorrosive without nitrite, ensuring protection at -35°C at least.

Engine coolant (recommended):  ECOBLU - 40°C or  Agip COOL.

LUBRICANT CHART

engine oil (recommended):  EXTRA RAID 4, SAE 15W - 50 or  Agip TEC 4T, SAE 15W - 50.





as an alternative to the recommended oil, it is possible to use high-quality oils with characteristics in compliance with or superior to the CMC G-4, A.P.I. SG. specifications.

transmission oil (recommended):  F.C., SAE 75W - 90 or  Agip GEAR SYNTH, SAE 75W - 90.



as an alternative to the recommended oil, it is possible to use high-quality oils with characteristics in compliance with or superior to the .P.I. GL4 specifications.

fork oil (recommended):  F.A. 5W or  F.A. 20W fork oil;



as an alternative  Agip FORK 5W or  Agip FORK 20W.

If you need an oil with intermediate characteristics in comparison with the  F.A. 5W and  F.A. 20W or  Agip FORK 5W and  Agip FORK 20W, these can be mixed as indicated below:

AE 10W =  F.A. 5W 67% of the volume, +  F.A. 20W 33% of the volume or

 Agip FORK 5W 67% of the volume +  Agip FORK 20W 33% of the volume.

AE 15W =  F.A. 5W 33% of the volume, +  F.A. 20W 67% of the volume or

 Agip FORK 5W 33% of the volume +  Agip FORK 20W 67% of the volume.

bearings and other lubrication points (recommended):  AUTOGREASE MP or  Agip GREASE 30.

as an alternative to the recommended product, use high-quality grease for rolling bearings, working temperature range -30°C.... +140°C, dripping point 150°C... 230°C, high protection against corrosion, good resistance to water and oxidation.

protection of the battery poles: neutral grease or vaseline.

WARNING

Use new brake fluid only.

brake fluid (recommended):  F.F., DOT 5 (DOT 4 compatible) or  Agip BRAKE 5.1, DOT 5 (compatible DOT 4).

NOTE

aprilia

ASK FOR GENUINE SPARE PARTS ONLY

NOTE



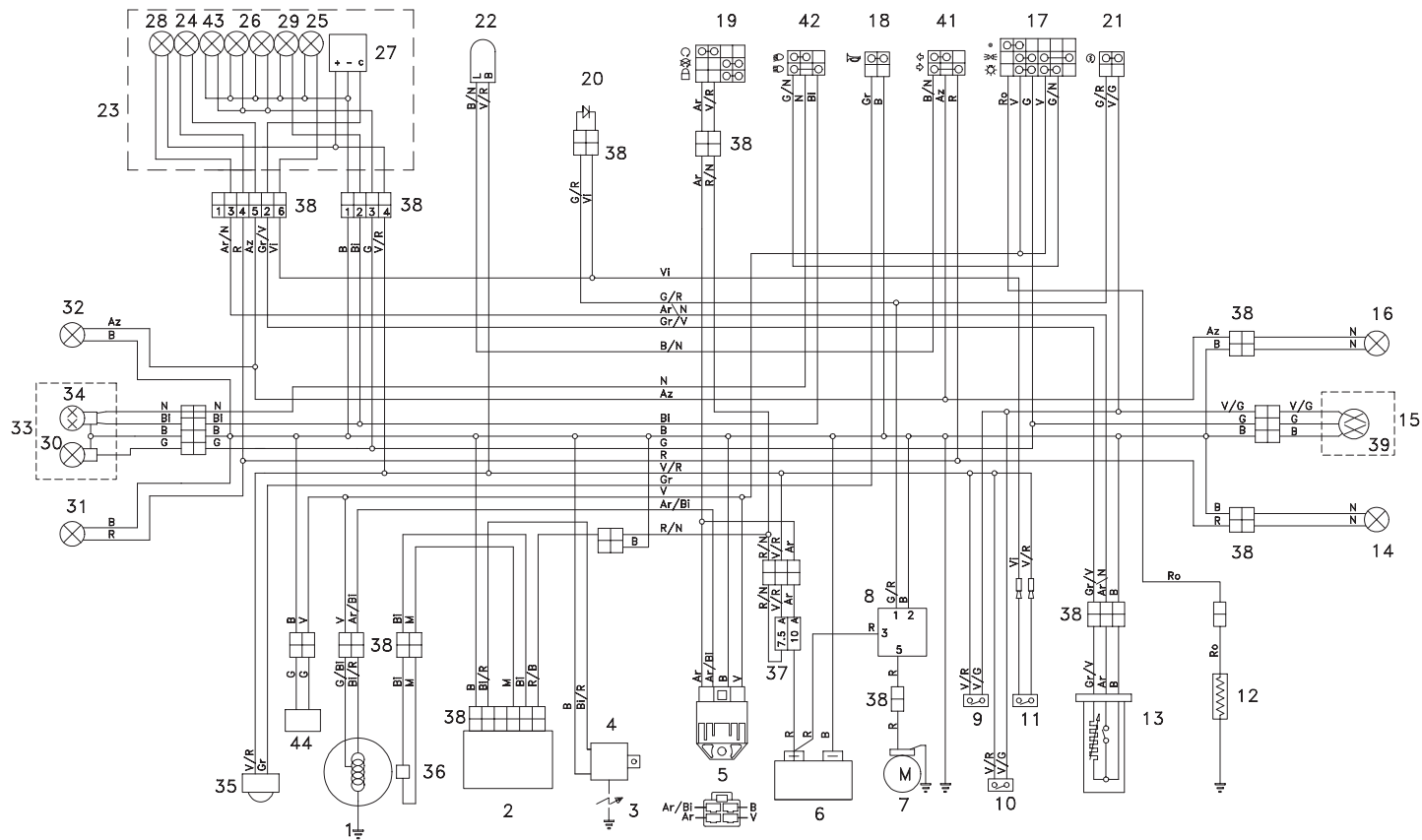
ASK FOR GENUINE SPARE PARTS ONLY

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WIRING DIAGRAM Habana 50



WIRING DIAGRAM KEY Habana 50

- 1) Generator
- 2) CDI
- 3) Spark plug
- 4) HT coil
- 5) Voltage regulator
- 6) Battery
- 7) Starter
- 8) Start relay
- 9) Front stoplight switch
- 10) Rear stoplight switch
- 11) 2 stroke oil reserve switch
- 12) Resistor
- 13) Fuel level sensor
- 14) Rear right direction indicator
- 15) Rear light
- 16) Rear left direction indicator
- 17) Dimmer switch (not provided in the **ASD** version)
- 18) Horn push button
- 19) Ignition switch / steering lock
- 20) Control diode
- 21) Start push button
- 22) Blinking
- 23) Dashboard
- 24) Direction indicator warning light
- 25) 2 stroke oil reserve warning light
- 26) Dashboard light
- 27) Fuel level instrument
- 28) Low fuel warning light
- 29) High beam warning light
- 30) Front parking light

- 31) Front right direction indicator
- 32) Front left direction indicator
- 33) Front light
- 34) Low / high beam bulb
- 35) Horn
- 36) Pick up
- 37) Fuses
- 38) Multiple connectors
- 39) Rear parking light / stoplight / number plate light
- 40) –
- 41) Direction indicator switch
- 42) Left dimmer switch
- 43) Low beam and parking light warning light
- 44) Automatic starter
- 45) Anti-theft device installation point

CABLE COLOURS

- Ar** orange
Az light blue
b blue
Bi white
G yellow
Gr grey
M brown
N black
R red
V green
Vi violet
Ro pink

94

use and maintenance



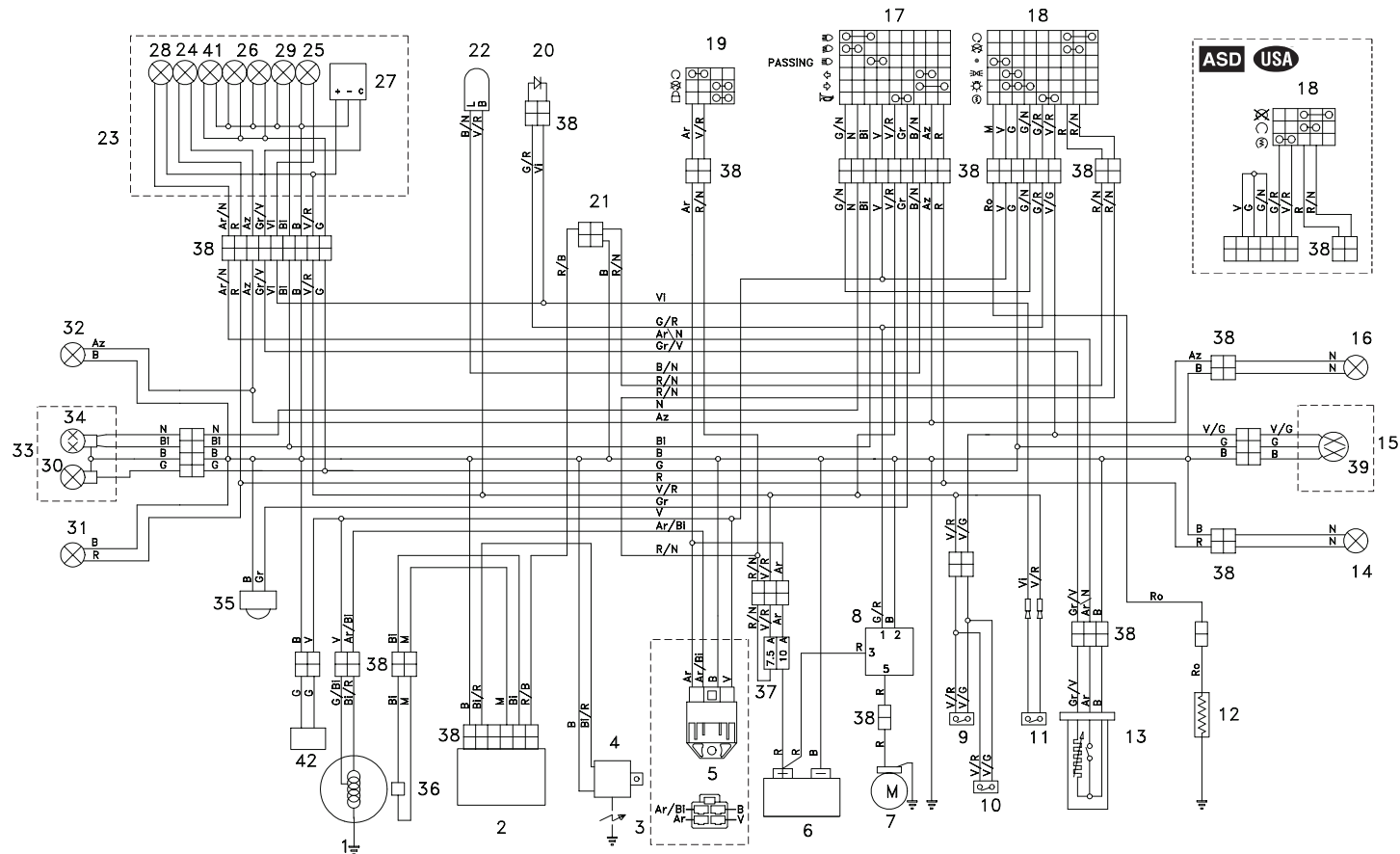
WIRING DIAGRAM KEY - Habana 50

- | | |
|--|---|
| 1) Generator | 31) Front right direction indicator |
| 2) CDI | 32) Front left direction indicator |
| 3) Spark plug | 33) Front light |
| 4) HT coil | 34) Low / high beam bulb |
| 5) Voltage regulator | 35) Horn |
| 6) Battery | 36) Pick up |
| 7) Starter | 37) Fuses |
| 8) Start relay | 38) Multiple connectors |
| 9) Front stoplight switch | 39) Rear parking light / stoplight / number plate light |
| 10) Rear stoplight switch | 40) – |
| 11) 2 stroke oil reserve switch | 41) Direction indicator switch |
| 12) Resistor | 42) Left dimmer switch |
| 13) Fuel level sensor | 43) Low beam and parking light warning light |
| 14) Rear right direction indicator | 44) Automatic starter |
| 15) Rear light | 45) Anti-theft device installation point |
| 16) Rear left direction indicator | |
| 17) Engine stop switch | |
| 18) Horn push button | |
| 19) Ignition switch / steering lock | |
| 20) Control diode | |
| 21) Start push button | |
| 22) Blinking | |
| 23) Dashboard | |
| 24) Direction indicator warning light | |
| 25) 2 stroke oil reserve warning light | |
| 26) Dashboard light | |
| 27) Fuel level instrument | |
| 28) Low fuel warning light | |
| 29) High beam warning light | |
| 30) Front parking light | |

CABLE COLOURS

- | | |
|-----------|------------|
| Ar | orange |
| Az | light blue |
| b | blue |
| Bi | white |
| G | yellow |
| Gr | grey |
| M | brown |
| N | black |
| R | red |
| V | green |
| Vi | violet |
| Ro | pink |

WIRING DIAGRAM Habana Custom 50



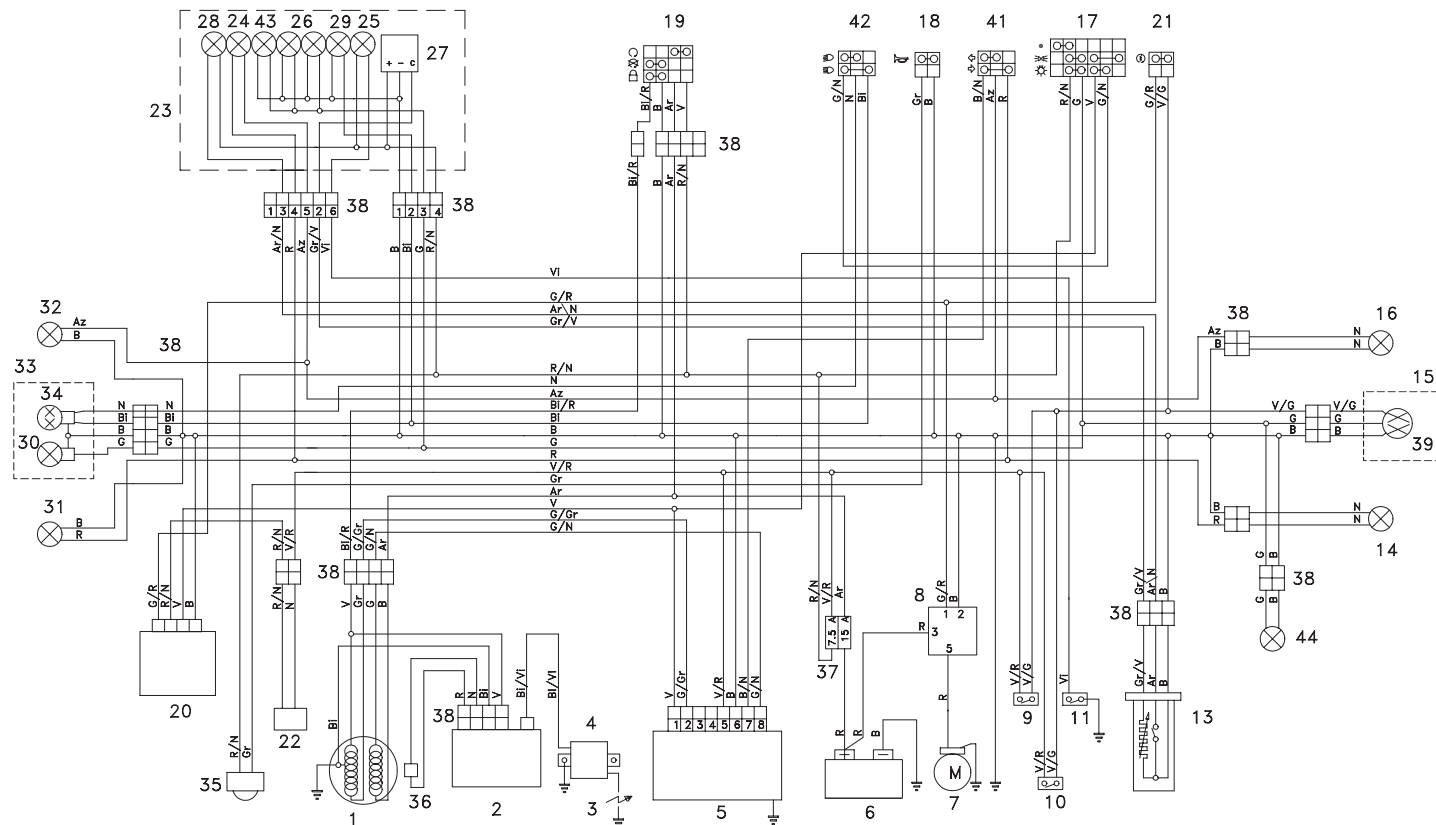
WIRING DIAGRAM KEY Habana Custom 50

- | | |
|--|---|
| 1) Generator | 31) Front right direction indicator |
| 2) CDI | 32) Front left direction indicator |
| 3) Spark plug | 33) Front light |
| 4) HT coil | 34) Low / high beam bulb |
| 5) Voltage regulator | 35) Horn |
| 6) Battery | 36) Pick up |
| 7) Starter | 37) Fuses |
| 8) Start relay | 38) Multiple connectors |
| 9) Front stoplight switch | 39) Rear parking light / stoplight / number plate light |
| 10) Rear stoplight switch | 40) – |
| 11) 2 stroke oil reserve switch | 41) Low beam and parking light warning light |
| 12) Resistor | 42) Automatic starter |
| 13) Fuel level sensor | |
| 14) Rear right direction indicator | |
| 15) Rear light | |
| 16) Rear left direction indicator | |
| 17) Left dimmer switch | |
| 18) Right dimmer switch | |
| 19) Ignition switch / steering lock | |
| 20) Control diode | |
| 21) Anti-theft device installation point | |
| 22) Blinking | |
| 23) Dashboard | |
| 24) Direction indicator warning light | |
| 25) 2 stroke oil reserve warning light | |
| 26) Dashboard light | |
| 27) Fuel level instrument | |
| 28) Low fuel warning light | |
| 29) High beam warning light | |
| 30) Front parking light | |

CABLE COLOURS

- | | |
|-----------|------------|
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| Bi | white |
| G | yellow |
| Gr | grey |
| M | brown |
| N | black |
| R | red |
| V | green |
| Vi | violet |
| Ro | pink |

WIRING DIAGRAM Habana 125



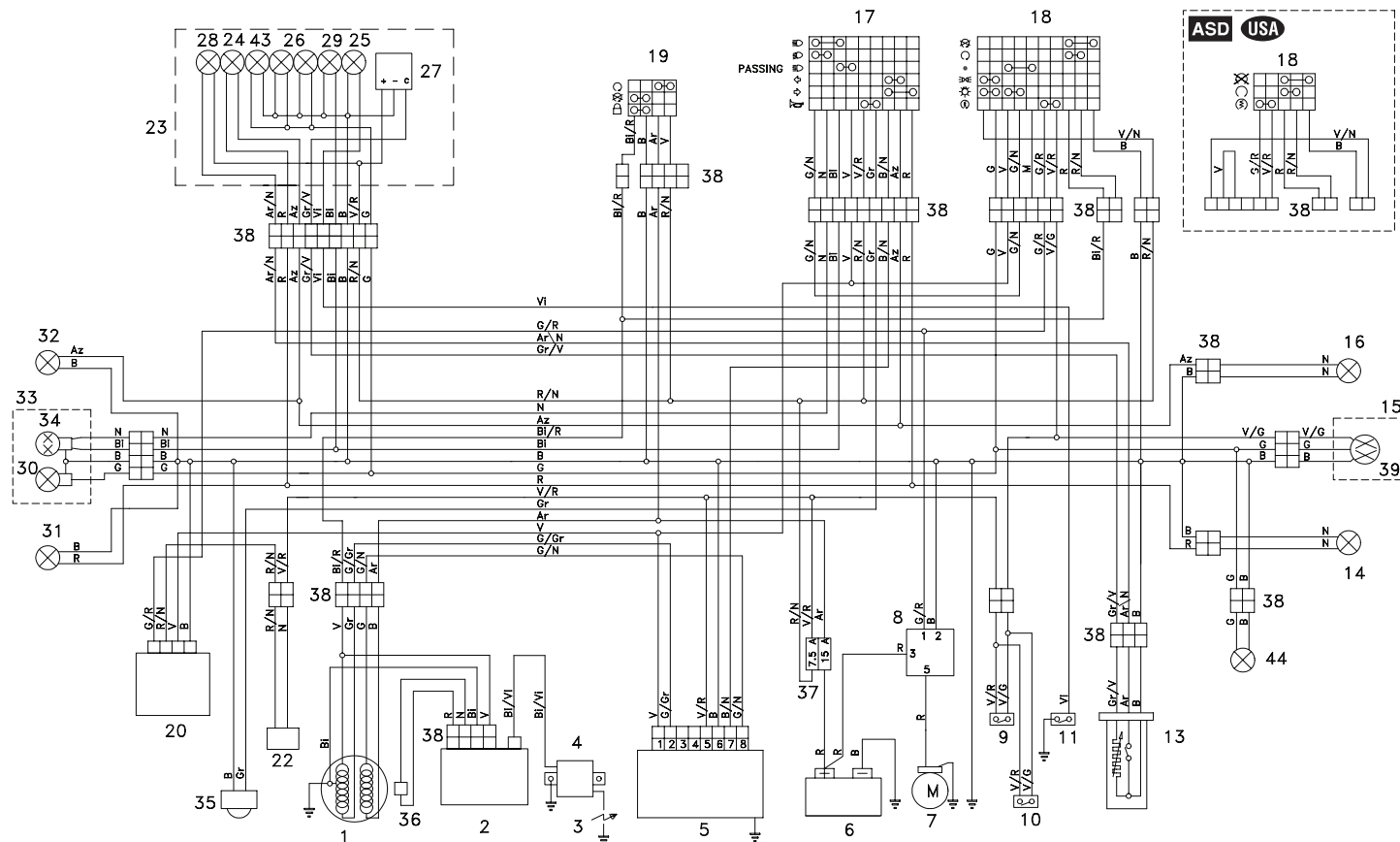
WIRING DIAGRAM KEY Habana 125

- 1) Generator
- 2) CDI
- 3) Spark plug
- 4) HT coil
- 5) Voltage regulator
- 6) Battery
- 7) Starter
- 8) Start relay
- 9) Front stoplight switch
- 10) Rear stoplight switch
- 11) Engine oil pressure sensor
- 12) Resistor
- 13) Fuel level sensor
- 14) Rear right direction indicator
- 15) Rear light
- 16) Rear left direction indicator
- 17) Dimmer switch (not provided in the **ASD** version)
- 18) Horn push button
- 19) Ignition switch / steering lock
- 20) Automatic starter control device
- 21) Start push button
- 22) Automatic starter
- 23) Dashboard
- 24) Direction indicator warning light
- 25) Engine oil pressure warning light
- 26) Dashboard light
- 27) Fuel level instrument
- 28) Low fuel warning light
- 29) High beam warning light
- 30) Front parking light

- 31) Front right direction indicator
- 32) Front left direction indicator
- 33) Front light
- 34) Low / high beam bulb
- 35) Horn
- 36) Pick up
- 37) Fuses
- 38) Multiple connectors
- 39) Rear parking light / stoplight / number plate light
- 40) –
- 41) Direction indicator switch
- 42) Left dimmer switch
- 43) Low beam and parking light warning light
- 44) Number plate
- 45) Anti-theft device installation point

CABLE COLOURS

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b blue
Bi white
G yellow
Gr grey
M brown
N black
R red
V green
Vi violet
Ro pink

100 use and maintenance **Habana 50/125 - Habana Custom 50/125**

WIRING DIAGRAM KEY Habana Custom 125

- 1) Generator
- 2) CDI
- 3) Spark plug
- 4) HT coil
- 5) Voltage regulator
- 6) Battery
- 7) Starter
- 8) Start relay
- 9) Front stoplight switch
- 10) Rear stoplight switch
- 11) Engine oil pressure sensor
- 12) Resistor
- 13) Fuel level sensor
- 14) Rear right direction indicator
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- 18) Right dimmer switch
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- Ar** orange
Az light blue
b blue
Bi white
G yellow
Gr grey
M brown
N black
R red
V green
Vi violet
Ro pink

NOTE

aprilia

ASK FOR GENUINE SPARE PARTS ONLY

NOTE



ASK FOR GENUINE SPARE PARTS ONLY

aprilia s.p.a. wishes to thank its customers for the purchase of this vehicle.

- Do not dispose of oil, fuel, polluting substances and components in the environment.
- Do not keep the engine running if it isn't necessary.
- Avoid disturbing noises.
- Respect nature.