

# aprilia

## PEGASO 650 I.E.



aprilia part# 8104312

**use+maintenance**book




Produced and printed by:  
**stp** editing division  
Soave (VERONA) - Italy  
Tel. +39 - 045 76 11 911  
Fax +39 - 045 76 12 241  
E-mail: customer@stp.it  
www.stp.it

On behalf of:  
**aprilia s.p.a.**  
via G. Galilei, 1 - 30033 Noale (VE) - Italy  
Tel. +39 - 041 58 29 111  
Fax +39 - 041 44 10 54  
www.aprilia.com

## 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 INFORMATION

★ 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.

## 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 safely.

**NOTE** Keep a stock of one bulb per type with the vehicle (see technical data).

**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.


All rights as to electronic storage, reproduction and total or partial adaptation, with any means, are reserved for all Countries.

**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. This label is positioned on the left side of the saddle support; to read it, it is necessary to remove the saddle, see p. 21 (UNLOCKING/LOCKING THE SADDLE).




<div>  <div> <div>YEAR</div> <div>I.M.</div> </div> </div>										
SPARE PARTS IDENTIFICATION										
					Y	1	2	3	4	
					A	B	C	D	E	
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 purchase of spare parts or specific accessories of the model you have acquired.

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

-  **ASD** automatic light switching version (Automatic Switch-on Device)
-  **OPT** optional
-  **catalytic version**

#### VERSION:

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

## TABLE OF CONTENTS

### SAFE DRIVE

BASIC SAFETY RULES .....	6
CLOTHING .....	9
ACCESSORIES .....	10
LOAD .....	10

### ARRANGEMENT OF THE MAIN ELEMENTS ..... 12

### ARRANGEMENT OF THE

### INSTRUMENTS/CONTROLS ..... 14

### INSTRUMENTS AND INDICATORS ..... 15

INSTRUMENTS AND INDICATORS TABLE .....	16
--	----

### MAIN INDEPENDENT CONTROLS ..... 18

CONTROLS ON THE LEFT PART OF	
THE HANDLEBAR .....	18
CONTROLS ON THE RIGHT PART	
OF THE HANDLEBAR .....	19
IGNITION SWITCH .....	20
STEERING LOCK .....	21

### AUXILIARY EQUIPMENT ..... 21

UNLOCKING/LOCKING THE SADDLE .....	21
GLOVE/TOOL KIT COMPARTMENT .....	22
ANTI-THEFT HOOK .....	22
REAR LUGGAGE RACK .....	22
SPECIAL TOOLS <b>OPT</b> .....	23
ACCESSORIES .....	23
SIDE BAGS <b>OPT</b> (supplied as standard	
equipment in the countries where required) .....	24
REAR CASE <b>OPT</b> (supplied as standard	
equipment in the countries where required) .....	26

### MAIN COMPONENTS ..... 27

FUEL .....	27
BRAKE FLUID - recommendations .....	29
DISC BRAKES .....	30
FRONT BRAKE .....	31
REAR BRAKE .....	33
COOLANT .....	34
TYRES .....	36
ENGINE OIL .....	37
CLUTCH .....	38
ADJUSTING THE REAR BRAKE CONTROL	
LEVER CLEARANCE .....	39
AUTOMATIC LIGHT SWITCHING	
VERSION <b>ASD</b> .....	39
CATALYTIC EXHAUST SILENCERS <b>AS</b> .....	40

### EXHAUST SILENCERS ..... 40

### INSTRUCTIONS FOR USE ..... 40

GETTING ON AND OFF THE VEHICLE .....	40
PRELIMINARY CHECKING OPERATIONS .....	42
PRELIMINARY CHECKING OPERATIONS .....	43
STARTING .....	44
DEPARTURE AND DRIVE .....	47
RUNNING-IN .....	50
STOPPING .....	51
PARKING .....	51
POSITIONING THE VEHICLE ON THE	
STAND .....	52
SUGGESTIONS TO PREVENT THEFT .....	54

### MAINTENANCE ..... 55

REGULAR SERVICE INTERVALS CHART .....	56
IDENTIFICATION DATA .....	58
CHECKING THE ENGINE OIL LEVEL	
AND TOPPING UP .....	59
CHANGING THE ENGINE OIL AND THE OIL	
FILTER .....	60
AIR CLEANER .....	62
FRONT WHEEL .....	64
REAR WHEEL .....	66
POSITIONING THE VEHICLE ON THE	
REAR SUPPORT STAND <b>OPT</b> .....	69
POSITIONING THE VEHICLE ON THE	
FRONT SUPPORT STAND <b>OPT</b> .....	69
DRIVE CHAIN .....	70
REMOVAL OF THE FUEL TANK .....	72
REMOVING THE OIL SUMP GUARD .....	73
REMOVING THE RIGHT AND LEFT SIDES ....	73
REMOVING THE DRIVE CHAIN	
GUARDS .....	74
INSTALLING THE SIDE BAG SUPPORTS <b>OPT</b>	
(supplied as standard equipment in the	
countries where required) .....	74
INSTALLING THE REAR CASE SUPPORTS	
<b>OPT</b> (supplied as standard equipment in the	
countries where required) .....	76
CHECKING THE STEERING .....	77
CHECKING THE REAR FORK	
FULCRUM AXIS .....	77
INSPECTING THE FRONT AND REAR	
SUSPENSIONS .....	77
FRONT SUSPENSION .....	77

### REAR SUSPENSION ..... 78

REAR SUSPENSION WITH HYDRAULIC	
PRELOAD ADJUSTMENT <b>OPT</b> .....	79
CHECKING THE BRAKE PAD WEAR .....	80
IDLING ADJUSTMENT .....	81
ADJUSTING THE ACCELERATOR CONTROL	
ADJUSTING THE COLD START	
CONTROL .....	82
REAR-VIEW MIRRORS .....	83
SPARK PLUG .....	84
CHECKING THE STAND .....	86
BATTERY .....	87
CHECKING THE ELECTROLYTE LEVEL .....	88
CHECKING AND CLEANING THE	
TERMINALS .....	88
REMOVING THE BATTERY .....	89
RECHARGING THE BATTERY .....	90
INSTALLING THE BATTERY .....	90
LONG INACTIVITY OF THE BATTERY .....	91
CHECKING THE SWITCHES .....	91
CHANGING THE FUSES .....	92
ADJUSTING THE VERTICAL	
HEADLIGHT BEAM .....	93
DASHBOARD LIGHTING .....	93
BULBS .....	94
CHANGING THE HEADLIGHT BULBS .....	94
CHANGING THE FRONT DIRECTION	
INDICATOR BULBS .....	96
CHANGING THE REAR DIRECTION	
INDICATOR BULBS .....	96
CHANGING THE REAR LIGHT	
BULB .....	97
CHANGING THE NUMBER PLATE BULB .....	97

### TRANSPORT ..... 98

### CLEANING ..... 98

LONG PERIODS OF INACTIVITY .....	100
----------------------------------	-----

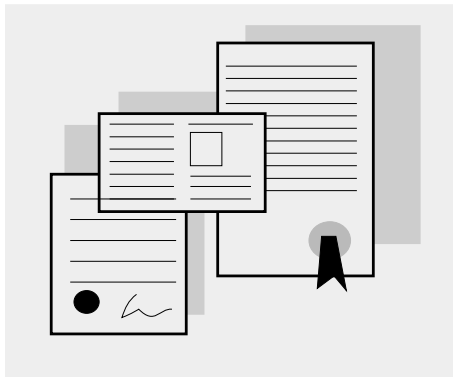
### TECHNICAL DATA ..... 101

LUBRICANT CHART .....	104
Importers .....	106-107
WIRING DIAGRAM - Pegaso 650 I.E. ....	108

# aprilia



safe drive



## BASIC SAFETY RULES

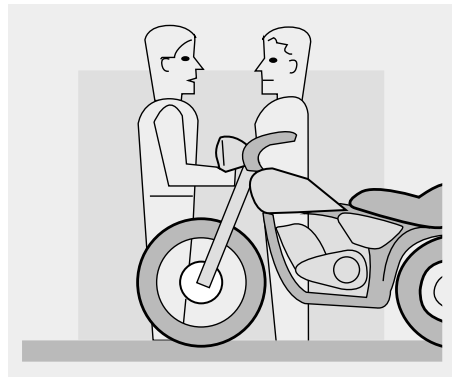
To drive the vehicle it is necessary to be in possession of all the requirements prescribed by law (driving licence, minimum age, psychophysical ability, insurance, state taxes, vehicle registration, number plate, etc.).

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



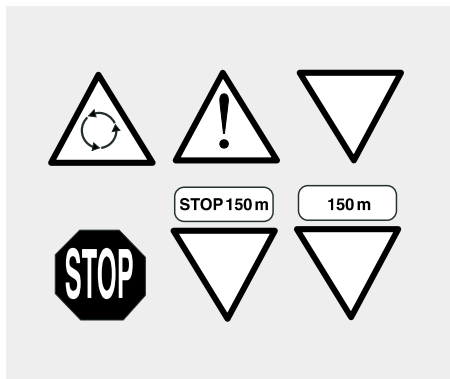
The use of medicines, alcohol and drugs or psychotropic substances notably increases the risk of accidents.

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



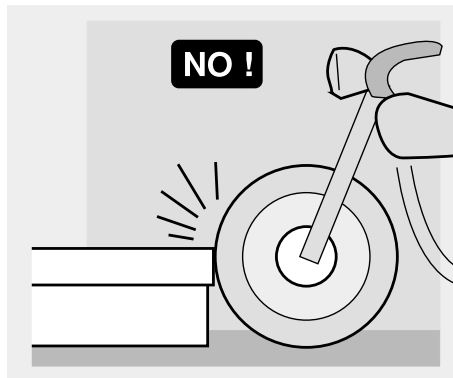
Most road accidents are caused by the driver's lack of experience.

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



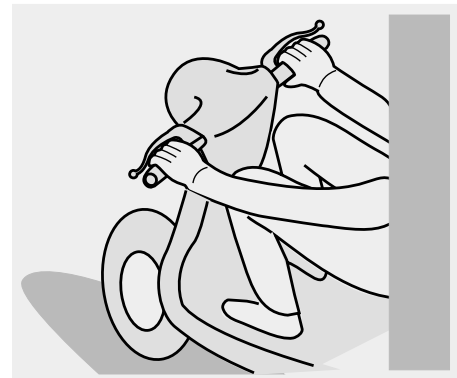
Rigorously observe all road signs and national and local road regulations.

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.



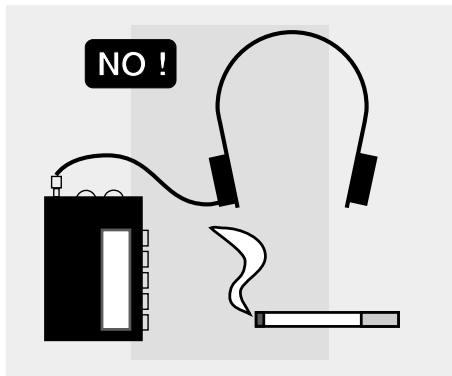
Avoid obstacles that could damage the vehicle or make you lose control.

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

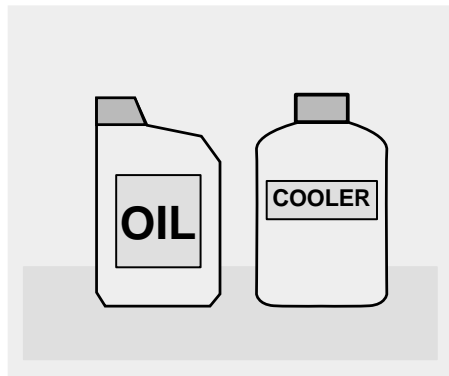


Always drive with both hands on the handlebars and both feet on the footrests (or on the rider's footboards), in the correct driving posture.

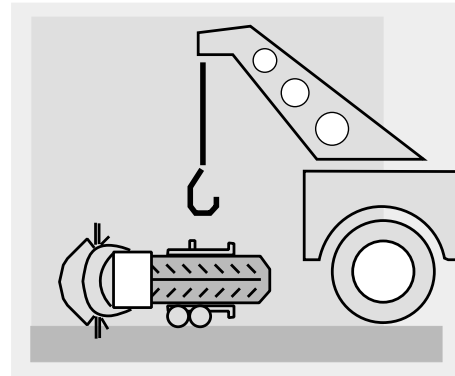
Avoid standing up or stretching your limbs while driving.



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.



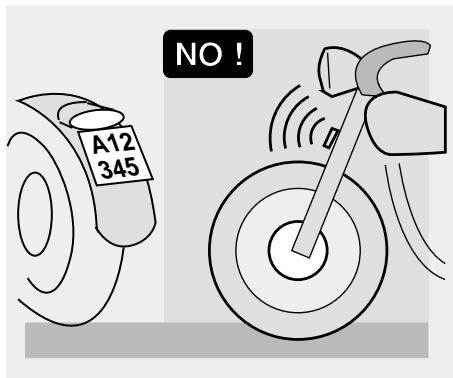
If the vehicle has been involved in an accident, make sure that no damage has occurred to the control levers, pipes, wires, braking system and vital parts.

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.

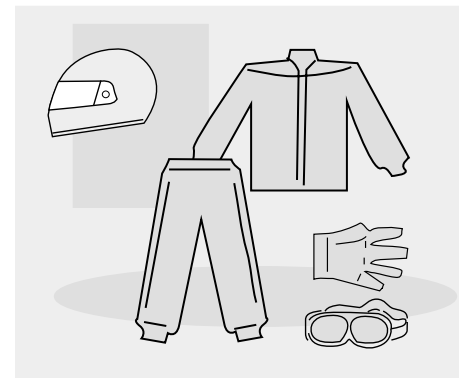


Any modification of the vehicle and/or the removal of original components can compromise vehicle performance levels and safety or even make it illegal.

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.

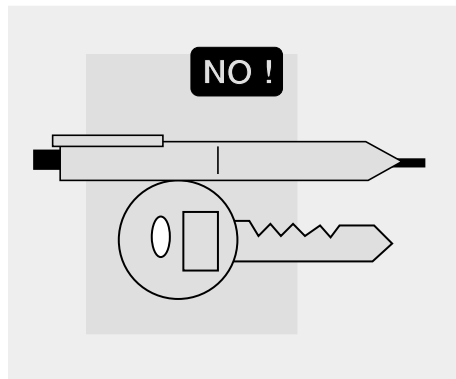


## CLOTHING

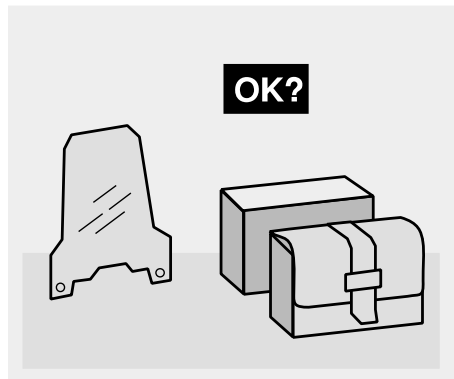
Before starting, always wear a correctly fastened crash helmet. Make sure that it is homologated, in good shape, of the right size and that the visor is clean.

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).



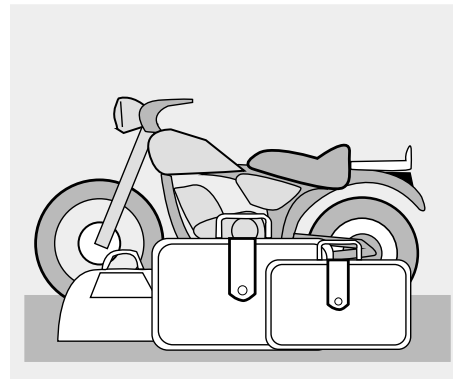
## ACCESSORIES

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 shortage in the horn and in the lights.

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

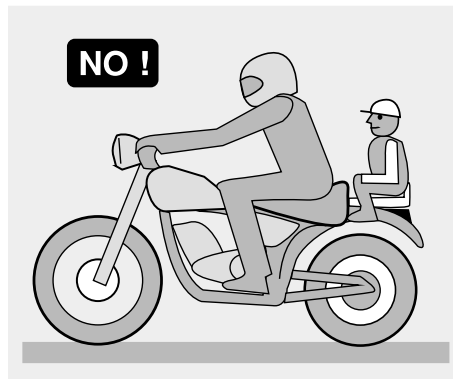
## LOAD

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, because the vehicle might respond more slowly in turns and its manoeuvrability could be unavoidably impaired.

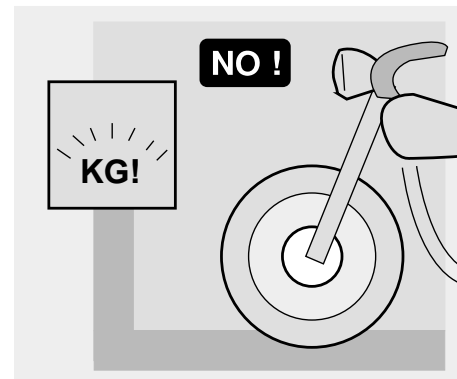
Do not place bags that are too bulky on the vehicle sides and do not ride with the crash helmet, because they could hit people or obstacles, making you lose control of the vehicle.



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.

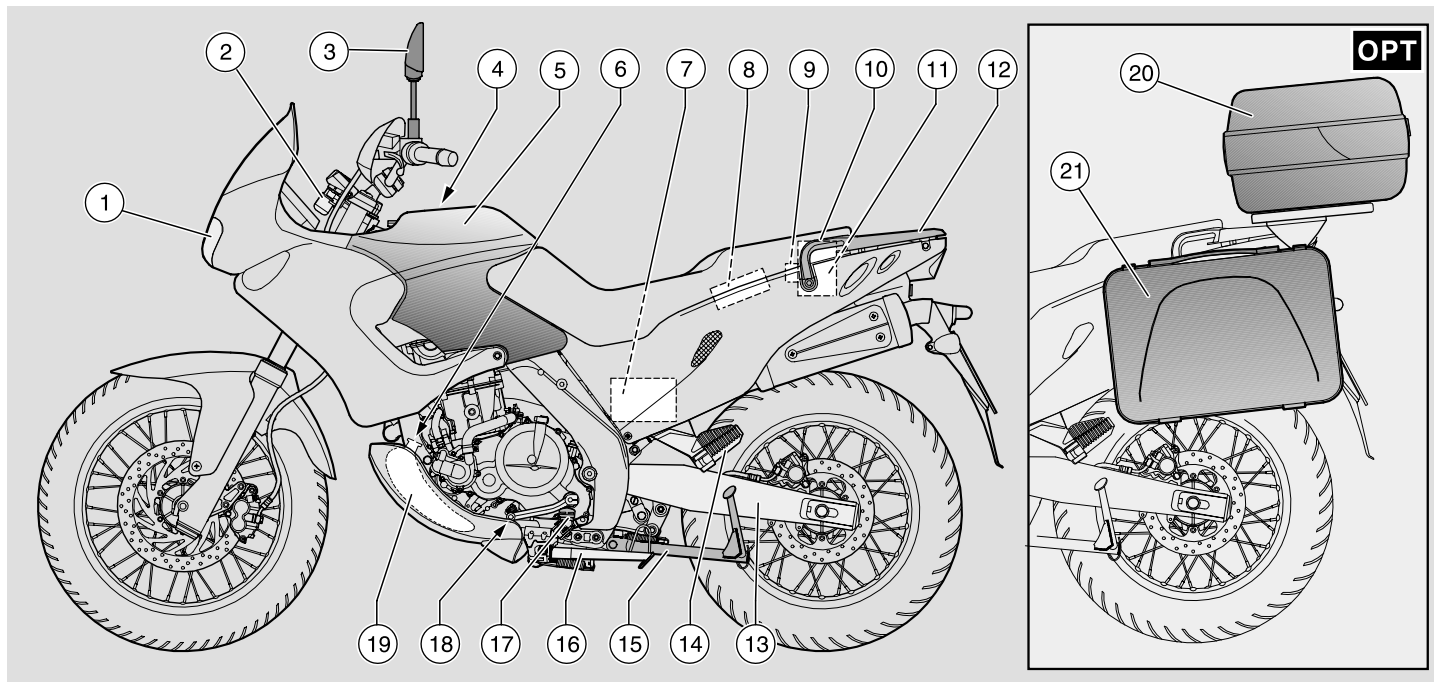
Do not carry animals or children on the glove compartment or on the luggage rack.



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

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

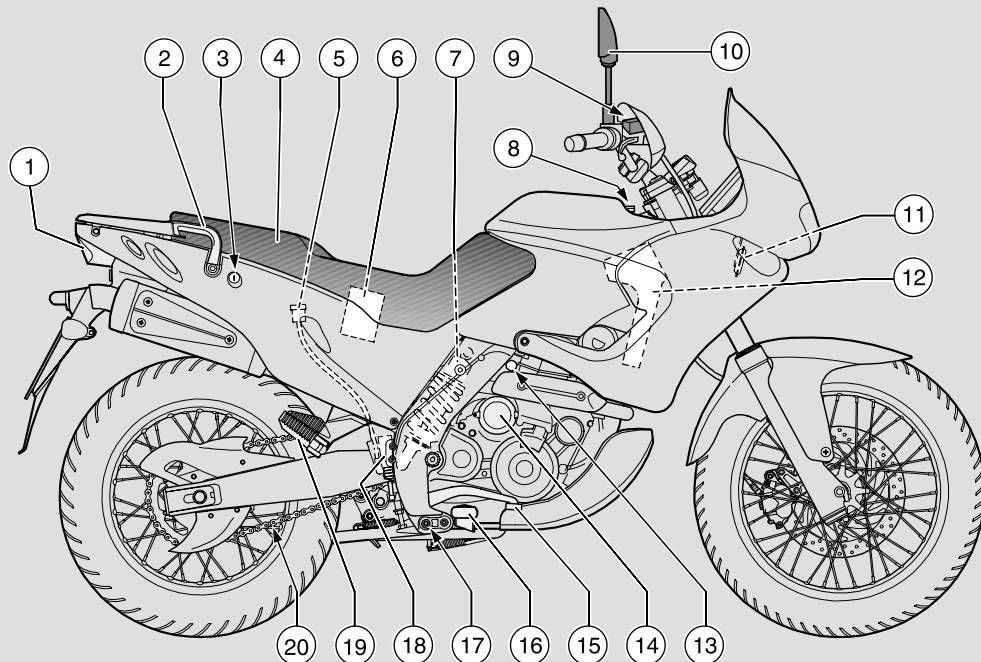
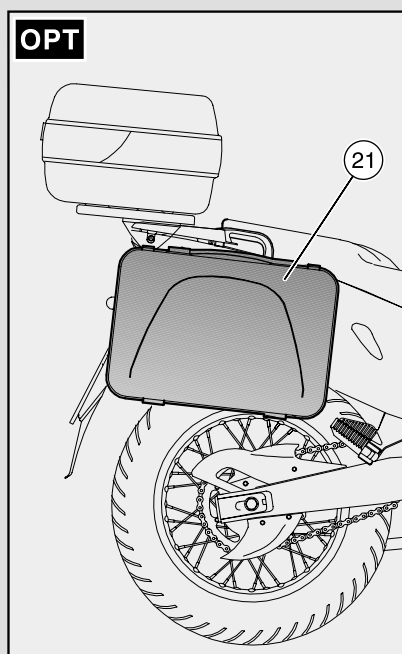
## ARRANGEMENT OF THE MAIN ELEMENTS



### KEY

- |                                  |   |  |   |
|----------------------------------|---|--|---|
| 1) Headlight                     | 9) Fuse carrier                                     | 15) Centre stand <b>OPT</b> (supplied as standard equipment in the countries where required) | 20) Rear luggage rack <b>OPT</b> (supplied as standard equipment in the countries where required) |
| 2) Ignition switch/steering lock | 10) Passenger grab rail                             |  |   |
| 3) Left rear-view mirror         | 11) Glove/tool kit compartment                      |  |   |
| 4) Fuel tank filler cap          | 12) Rear luggage rack                               |  |   |
| 5) Fuel tank                     | 13) Rear fork                                       |  |   |
| 6) Coolant expansion tank cap    | 14) Passenger left footrest (snapping, closed/open) |  |   |
| 7) Battery                       |   | 16) Side stand   | 21) Left side bag <b>OPT</b> (supplied as standard equipment in the countries where required)     |
| 8) Electronic unit               |   | 17) Rider left footrest  |   |
|                                  |   | 18) Shifting lever   |   |
|                                  |   | 19) Coolant expansion  |   |

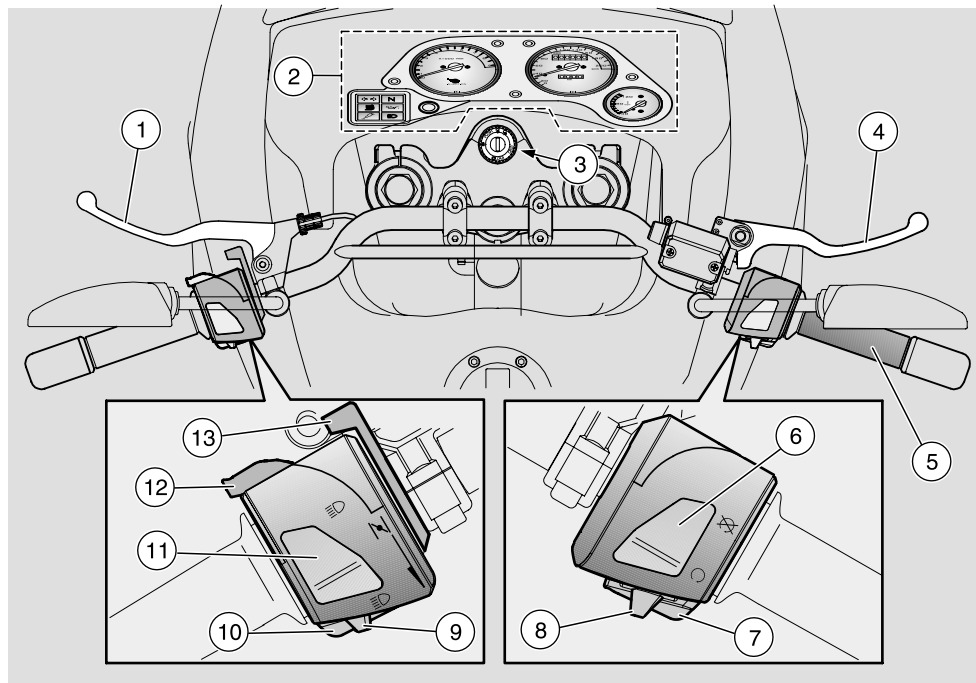
**OPT**



## KEY

- |                          |                                   |   |  |
|--------------------------|-----------------------------------|---|--|
| 1) Rear light            | 8) Engine oil level plug-dipstick | 15) Rear brake control lever  | 20) Drive chain  |
| 2) Passenger grab rail   | 9) Front brake fluid tank         | 16) Rider right footrest  | 21) Right side bag <b>OPT</b> (supplied as standard equipment in the countries where required) |
| 3) Saddle lock           | 10) Right rear-view mirror        | 17) Anti-theft hook (for shielded cable "Body-Guard" <b>aprilia OPT</b> ) |  |
| 4) Saddle                | 11) Horn                          |   |  |
| 5) Rear brake fluid tank | 12) Engine oil tank               |   |  |
| 6) Air cleaner           | 13) Idle speed adjusting knob     |   |  |
| 7) Rear shock absorber   | 14) Engine oil filter             | 18) Rear brake pump   |  |
|                          |                                   | 19) Passenger right footrest (snapping, closed/open)                      |  |

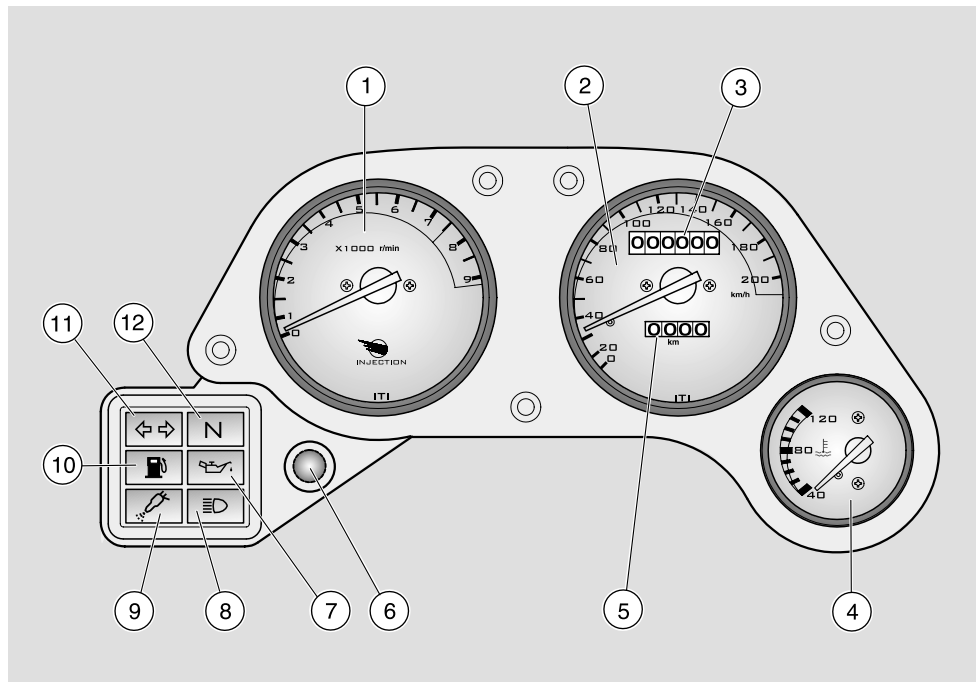
## ARRANGEMENT OF THE INSTRUMENTS/CONTROLS



### KEY

- |  |  |
|--|--|
| 1) Clutch lever                              | 8) Light switch (☉ - ☉ - ●) (not provided for ASD) |
| 2) Instruments and indicators                | 9) Direction indicator switch (↔)                  |
| 3) Ignition switch/steering lock (○ - ☒ - ⚡) | 10) Horn push button (🔊)                           |
| 4) Front brake lever                         | 11) Dimmer switch (☉ - ☉)                          |
| 5) Throttle grip                             | 12) High beam signalling push button (☉)           |
| 6) Engine stop switch (○ - ☒)                | 13) Cold start lever (⌘)                           |
| 7) Start push button (⌚)                     |  |










## INSTRUMENTS AND INDICATORS



### KEY


- |  |   |
|--|---|
| 1) Revolution counter                        | 8) Blue high beam warning light (≡D)            |
| 2) Speedometer                               | 9) Red diagnostic warning light (⚡)             |
| 3) Total kilometres odometer                 | 10) Amber low fuel warning light (⛽)            |
| 4) Coolant temperature indicator (⌊)         | 11) Green direction indicator warning light (↔) |
| 5) Partial kilometres odometer               | 12) Green neutral indicator warning light (N)   |
| 6) Odometer trip control                     |   |
| 7) Red engine oil pressure warning light (⚡) |   |

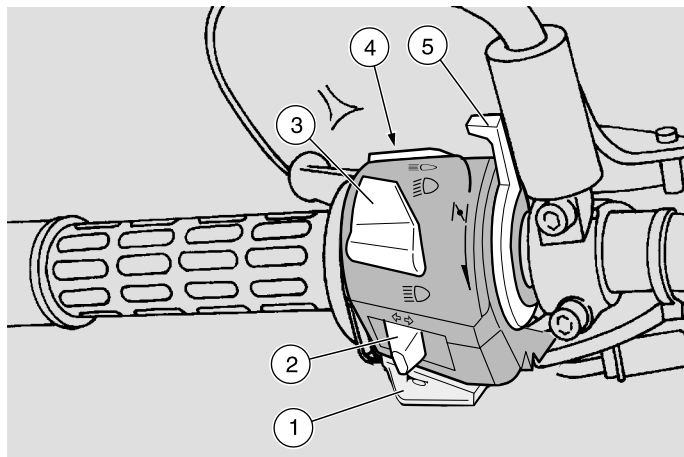
## INSTRUMENTS AND INDICATORS TABLE

Description	Function
Direction indicator warning light 	Blinks when the direction indicators are on.
High beam warning light 	Comes on when the high beam bulbs are on or when the headlight signaller is operated.
Revolution counter <i>rpm</i>	Indicates the number of revolutions of the engine per minute. <b>⚠ CAUTION</b> Never exceed the engine max. speed rate, see p. 50 (RUNNING-IN).
Low fuel warning light 	It comes on when the quantity of fuel still available in the fuel tank is less than 5 ℓ. <b>In this case, top up as soon as possible, see p. 27 (FUEL).</b>
Engine oil pressure Warning light 	Comes on whenever the ignition switch is in position “○” and the engine is not running, thus checking the functionality of the bulb. If the light does not come on in this phase, contact an <b>aprilia</b> Official Dealer. <b>⚠ CAUTION</b> If the engine oil pressure warning light “  ” remains on after the start or comes on during the normal operation of the engine, this means that the engine oil pressure in the circuit is insufficient. <b>In this case, stop the engine immediately and contact an aprilia Official Dealer.</b>
Neutral indicator warning light 	Comes on when the gear is in neutral.
Diagnostic warning light 	It comes on whenever the ignition switch is positioned on “○” and goes out a few seconds after the engine start. <b>⚠ CAUTION</b> Do not carry out any operation on the components of the vehicle with the ignition switch in position “○”. With the engine stop switch in position “  ”, it comes on whenever the ignition switch is positioned on “○” and remains on, with low light intensity, thus checking the correct operation of the injection circuit. If the light does not come on in this phase, contact an <b>aprilia</b> Official Dealer. <b>⚠ CAUTION</b> If the diagnostic warning light “  ” remains on after the engine start or comes on during the normal operation of the engine, this means that the electronic unit has detected an anomaly. In many cases the engine keeps running with limited functions; contact an <b>aprilia</b> Official Dealer immediately.

Follow ►



Description	Function
<b>Speedometer (km/h)</b>	It indicates the driving speed.
<b>Total kilometres odometer</b>	It indicates the total number of kilometres covered.
<b>Coolant temperature indicator</b> 	<p>It indicates the approximate temperature of the coolant in the engine. When the pointer starts moving beyond the "40" level, the temperature is sufficient for driving the vehicle. The normal operating temperature appears on the graduated area of the scale.</p> <p><b>⚠ CAUTION</b> The switching on and off of the cooling fan does not depend on the position of the ignition switch. To lower the coolant temperature, the cooling fan works even when the engine is off and it is disconnected automatically.</p> <p><b>⚠ CAUTION</b> If the maximum allowed temperature is exceeded (red area of the scale), the engine may be seriously damaged.</p> <p>If the pointer gets near the red area, stop the engine, wait until the cooling fan is disconnected and check the coolant level, see p. 34 (COOLANT).</p> <p>If the pointer reaches the red area, stop the vehicle and let the engine idle for approximately two minutes, thus permitting the regular circulation of the coolant in the system; then, position the engine stop switch on "🛑" and check the coolant level, see p. 34 (COOLANT). If the situation on the dashboard remains the same after the coolant level has been checked, do not start the vehicle and contact an <b>aprilia</b> Official Dealer.</p>
<b>Partial kilometres odometer</b>	It indicates the partial number of kilometres covered. To set it to zero, use the odometer trip control.
<b>Odometer trip control</b>	Rotate it anticlockwise to set the partial kilometres odometer to zero.



### CONTROLS ON THE LEFT PART OF THE HANDLEBAR

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

**1) HORN PUSH BUTTON** (🔊)

The horn is activated when the push button is pressed.

**2) 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.

**3) 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.

**3) 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.

**4) HIGH BEAM SIGNALLING PUSH BUTTON** (📶)

It makes it possible to use the high beam for signalling to forthcoming vehicles while overtaking and in case of peril and/or emergency.

The high beam blinking is operated by pressing the push button, independently of the position of the light switch (🔦 - 📶 - 📶 - ●).

**NOTE** To disconnect the high beam blinking, release the push button.

**5) COLD START LEVER** (📶)

The starter for the cold start of the engine is operated by rotating the lever “📶” downwards.

To disconnect the starter, move the lever “📶” to its initial position.

## CONTROLS ON THE RIGHT PART OF THE HANDLEBAR

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

### 1) ENGINE STOP SWITCH (○ - ☒)

#### ⚠ WARNING

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

This is a safety or emergency switch.

With the switch pressed in position “○”, it is possible to start the engine; when the switch is pressed to position “☒”, the engine stops.

#### ⚠ CAUTION

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

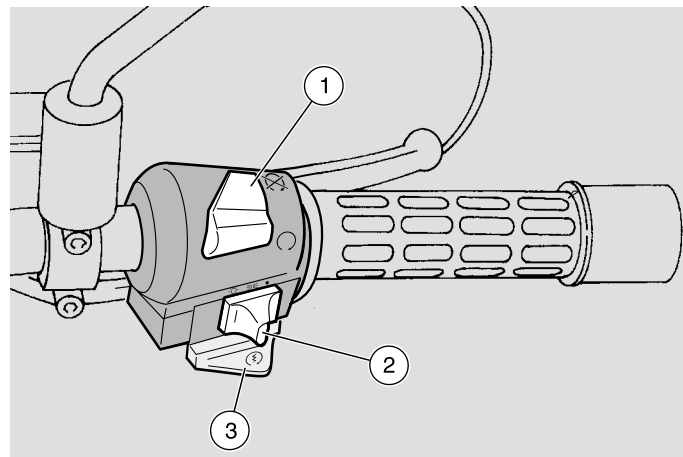
When the vehicle has come to rest, after stopping the engine, move the ignition switch to position “☒”.

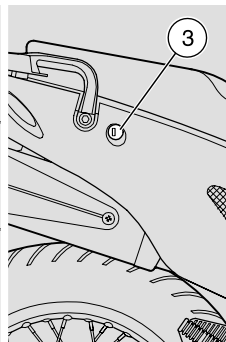
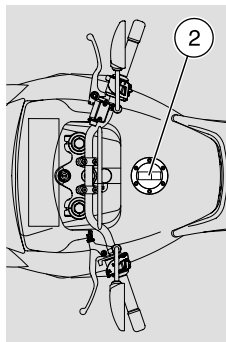
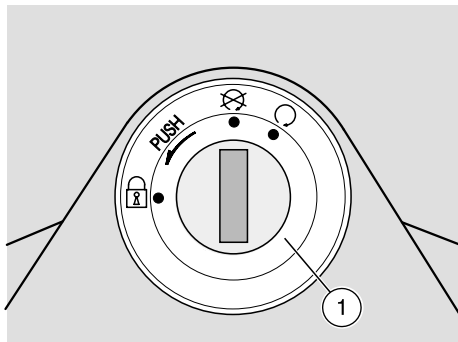
### 2) LIGHT SWITCH (☀ - ☛☛ - ●) (not provided for ASD)

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.

### 3) START PUSH BUTTON (Ⓢ)

When the start push button “Ⓢ” is pressed, the starter makes the engine run. For the starting, see p. 44 (STARTING).








## IGNITION SWITCH

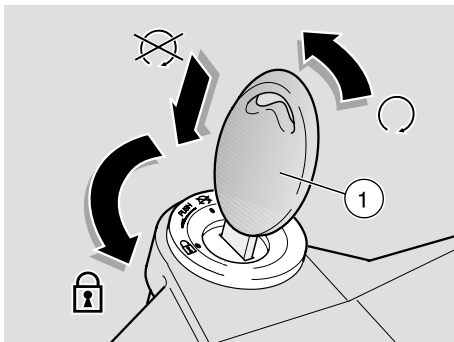
The ignition switch (1) is positioned on the upper plate of the steering column.

**NOTE** The key operates the ignition switch/steering lock, the fuel tank lock (2) and the saddle lock (3).

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

**NOTE** Do not keep the spare key on the vehicle.

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.



## STEERING LOCK

### ⚠ WARNING

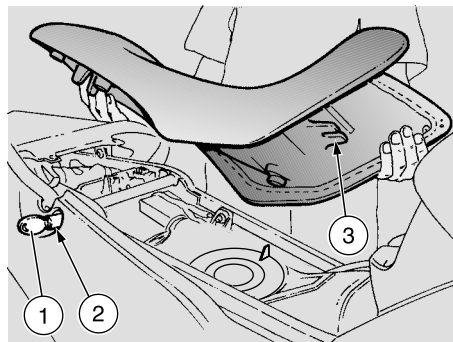
Never turn the key to position “” in running conditions, in order to avoid losing control of the vehicle.

## OPERATION

### To lock the steering:

- ◆ Turn the handlebar completely leftwards.
- ◆ Turn the key (1) to position “”.
- ◆ Press the key (1) and rotate it to position “”.
- ◆ Withdraw the key (1).

## AUXILIARY EQUIPMENT



## UNLOCKING/LOCKING THE SADDLE

- ◆ Position the vehicle on the stand, see p. 52 (POSITIONING THE VEHICLE ON THE STAND).
- ◆ Insert the key (1) in the saddle lock (2).
- ◆ Turn the key (1) clockwise and raise and remove the saddle.

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

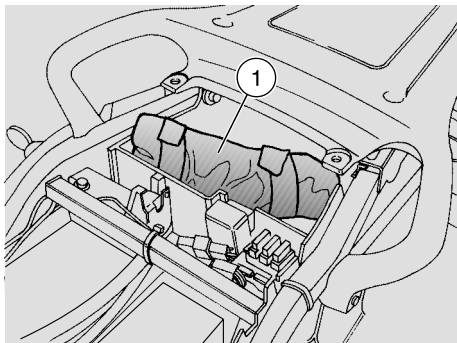


### To lock the saddle:

- ◆ Position the tangs (3) in the seat, lower and press the saddle, making the lock snap.

### ⚠ WARNING

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



## GLOVE/TOOL KIT COMPARTMENT

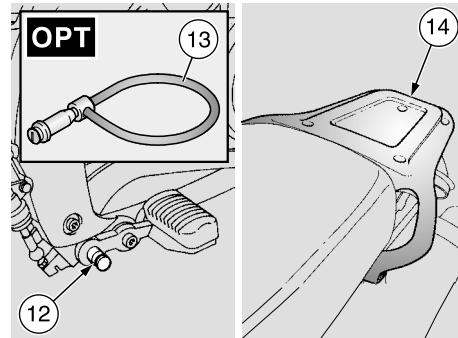
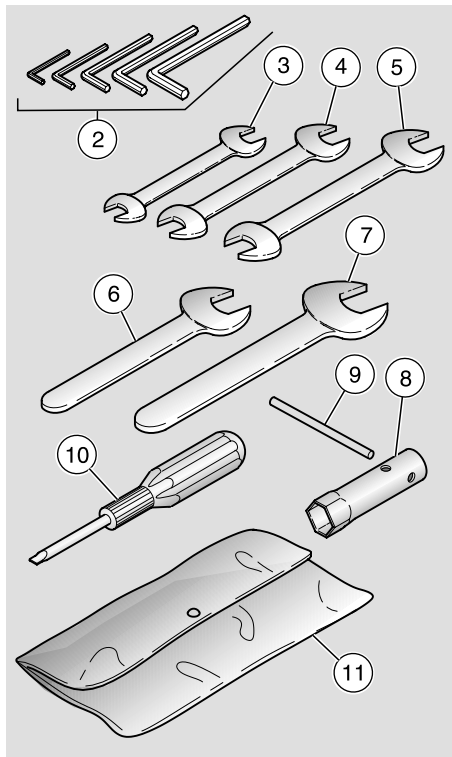
To reach the glove/tool kit compartment, proceed as follows:

- ◆ Remove the rider saddle, see p. 21 (UNLOCKING/LOCKING THE SADDLE).

The tool kit (1) includes:

- 3, 4, 5, 6, 8 mm bent hexagon spanners (2);
- 5.5 – 7 mm double fork spanner (3);
- 8 – 11 mm double fork spanner (4);
- 10 – 13 mm double fork spanner (5);
- 19 mm simple fork spanner (6);
- 24 mm simple fork spanner (7);
- 18 mm socket spanner for spark plug (8);
- socket spanner rod (9);
- double-ended, cross-/cut-headed screw-driver (10);
- tool case (11);

Maximum allowed weight: 1.5 kg.



## ANTI-THEFT HOOK

The anti-theft hook (12) is positioned on the right side of the vehicle, near the rider footboard.

To prevent the vehicle from being stolen, it is advisable to secure it with the shielded cable "Body-Guard" **aprilia OPT** (13), available at the aprilia Official Dealers .

## ⚠ WARNING

**Do not use the hook to lift the vehicle or for other purposes, since it has been designed exclusively to secure the vehicle once it has been parked.**

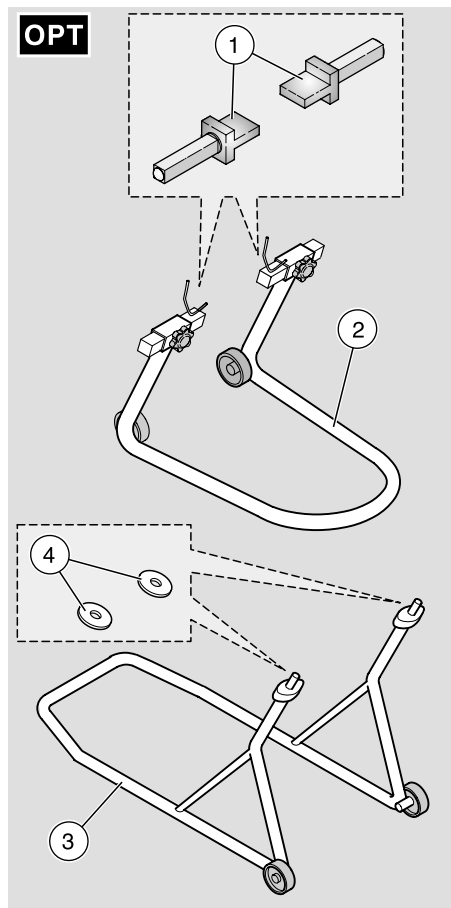
## REAR LUGGAGE RACK

Maximum weight allowed for the rear luggage rack (14): 9 kg

## SPECIAL TOOLS **OPT**

To perform some specific operations, it is advisable to use the following special tools (to be requested to an **aprilia** Official Dealer):

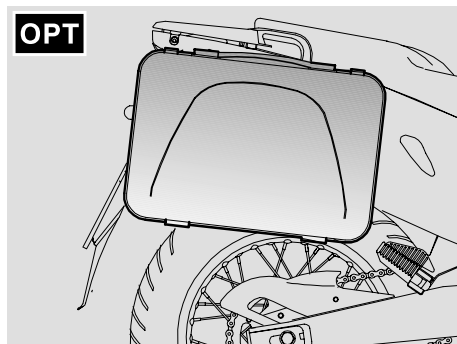
Tool	Operations
Support pins (1) for the rear support stand, <b>aprilia</b> part# 8140204, see p. 69 (POSITIONING THE VEHICLE ON THE REAR SUPPORT STAND <b>OPT</b> ).	Positioning of the vehicle on the rear stand.
Rear support stand (2), <b>aprilia</b> part# 8705021, see p. 69 (POSITIONING THE VEHICLE ON THE REAR SUPPORT STAND <b>OPT</b> ).	Rear wheel disassembly. Drive chain adjustment.
Front support stand (3), <b>aprilia</b> part# 8146486, see p. 69 (POSITIONING THE VEHICLE ON THE FRONT SUPPORT STAND <b>OPT</b> ).	Front wheel disassembly.
Washer (4) for front support stand, <b>aprilia</b> part# 8140590, see p. 69 (POSITIONING THE VEHICLE ON THE FRONT SUPPORT STAND <b>OPT</b> ).	Front wheel disassembly.



## ACCESSORIES

The vehicle may be equipped with the following accessories (to be requested to the **aprilia** Official Dealer):

- side bags **OPT**, see p. 24 [SIDE BAGS **OPT** (supplied as standard equipment in the countries where required)];
- rear case **OPT**, see p. 26 [REAR CASE **OPT** (supplied as standard equipment in the countries where required)];
- centre stand **OPT** (supplied as standard equipment in the countries where required).



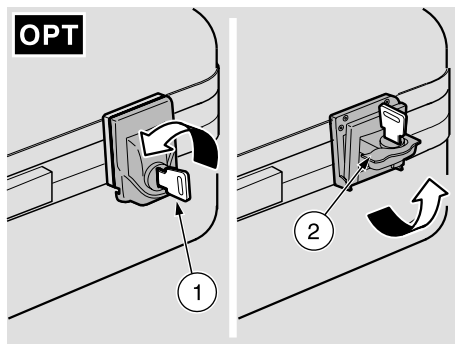
**SIDE BAGS OPT (supplied as standard equipment in the countries where required)**

Thanks to the use of the side bags it is possible to transport clothes or other objects even in bad weather, so that they are protected and do not constitute a hindrance or a risk for the rider.

**NOTE** If the side bags are not installed on the vehicle, before using them it is necessary to install the appropriate supports, see p. 74 [INSTALLING THE SIDE BAG SUPPORTS OPT (supplied as standard equipment in the countries where required)].

Clean and lubricate the coupling lock on the bag every 6000 km (3750 mi) or 12 months.

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

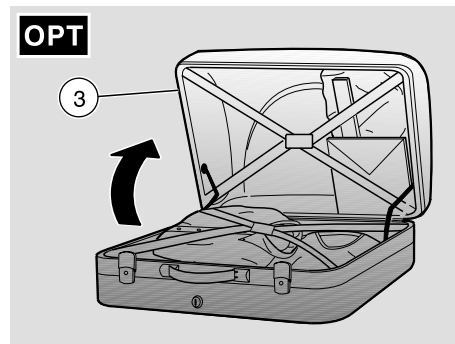


To open the side bag, proceed as follows:

- ◆ Position the vehicle on the stand, see p. 52 (POSITIONING THE VEHICLE ON THE STAND).
- ◆ Introduce the key (1) in the lock.
- ◆ Turn the key (1) anticlockwise.
- ◆ Extract the key (1) and insert it in the other lock.
- ◆ Turn the key (1) anticlockwise.
- ◆ Lift the two parts of the lock (2).
- ◆ Open the case (3).

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

**NOTE** Do not keep the spare key on the vehicle.



**⚠ WARNING**

If it is necessary to transport more than one object, distribute the load uniformly on the side bags.

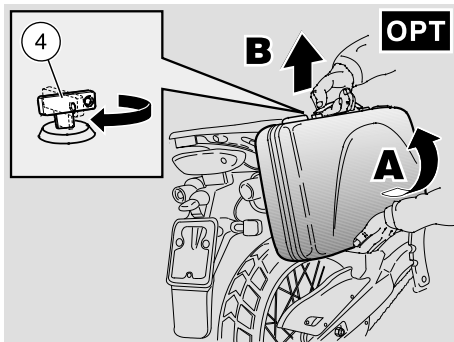
Secure the luggage by means of the appropriate elastic belts, in such a way as to avoid dangerous movements of the same during the trip.

It is not advisable to use the vehicle with only one side bag installed.

Do not load the side bags excessively.

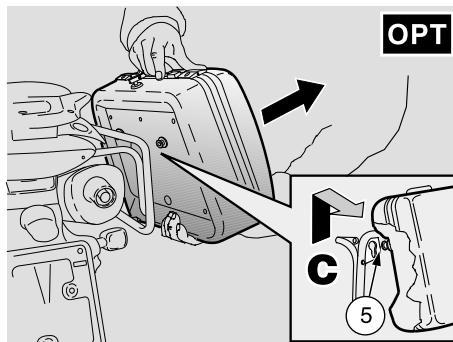
Maximum allowed weight: 5 kg (for each bag).





**To remove the side bag, proceed as follows:**

- ◆ Introduce the key (4) in the lock.
- ◆ Turn the key (4) clockwise and at the same time move the lower part of the bag slightly towards the outside (A).
- ◆ Grasp the bag firmly with both hands, as indicated in the figure.
- ◆ Lift the bag (B) slightly and release it (C) from the appropriate coupling seats (5) on the bag support.



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

**NOTE** Do not keep the spare key on the vehicle.

### ⚠ CAUTION

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

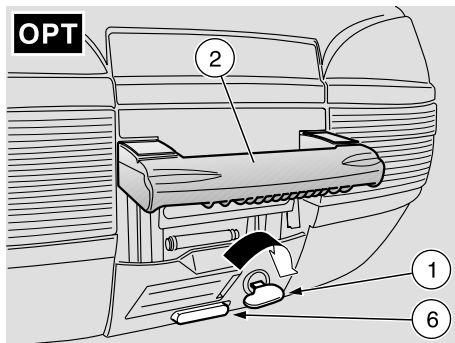


### ⚠ WARNING

Upon reassembly, make sure that the bag is properly anchored to its support.

Upper part: perfect fitting of the bag coupling pins in the coupling seats provided on the support;

Lower part: perfect fitting of the support coupling pin in the relevant lock provided on the bag; when the lock snaps, the coupling is correct.



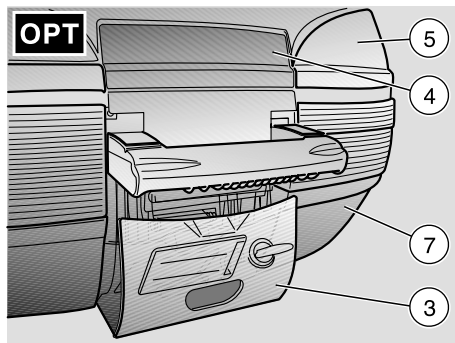
**REAR CASE OPT (supplied as standard equipment in the countries where required)**

Thanks to the use of the rear case, you no longer have to carry the crash helmet or other bulky objects with you every time you park the vehicle.

**NOTE** Write down your personal data on the appropriate plate positioned on the lock.

Clean and lubricate the coupling lock on the lower part of the case every 6000 km (3750 mi) or 12 months.

**NOTE** If the rear case is not installed on the vehicle, before using it, it is necessary to install the appropriate supports, see p. 76 [INSTALLING THE REAR CASE SUPPORTS OPT (supplied as standard equipment in the countries where required)].



To open the rear case, proceed as follows:

- ◆ Position the vehicle on the stand, see p. 52 (POSITIONING THE VEHICLE ON THE STAND).
- ◆ Introduce the key (1) in the lock.
- ◆ Rotate the key (1) clockwise.
- ◆ Remove the handle (2).
- ◆ Lift the lock (3).
- ◆ Release the upper part (4) of the lock (3) from the case (5).
- ◆ Lift the upper part of the case to open it (5).

**NOTE** The case can contain two "CRASH" helmets.

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

**NOTE** Do not keep the spare key on the vehicle.

**⚠ WARNING**

Do not load the rear case excessively.

Maximum allowed weight: 5 kg.

To remove the rear case, proceed as follows:

- ◆ Introduce the key (1) in the lock.
- ◆ Rotate the key (1) clockwise.
- ◆ Extract the handle (2) and grasp it firmly with one hand.
- ◆ Press the appropriate push button (6).
- ◆ Lift the case (7) and withdraw it from the relevant front couplings.

**⚠ CAUTION**

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

**⚠ WARNING**

Upon reassembly, make sure that the case is properly anchored to its support.

**Front part:** perfect fitting of the support coupling elements into the seats provided on the case;

**Rear part:** perfect fitting of the support coupling pin in the relevant lock on the case; when the lock snaps, the coupling is correct.

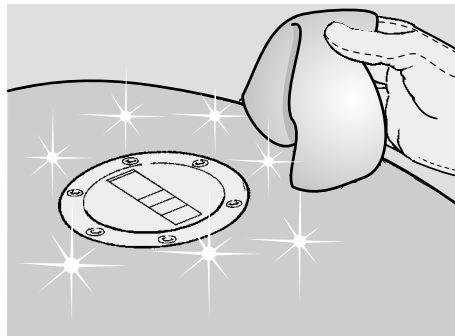


### FUEL

#### ⚠ 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.

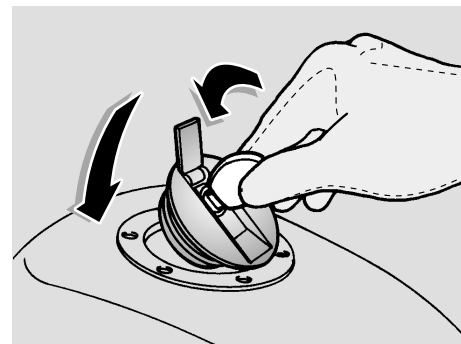


#### ⚠ WARNING

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 has completely dried and before starting the vehicle verify that there is no fuel inside the fuel filler neck.

Since petrol expands under the heat of the sun and due to the effects of sun radiation, never fill the tank to the brim.



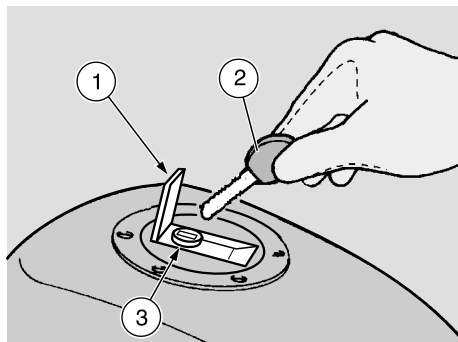
#### ⚠ WARNING

Screw the plug up 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 unleaded petrol, in conformity with the DIN 51 607 standard, min. O.N. 95 (N.O.R.M.) and 85 (N.O.M.M.)



**To refuel, proceed as follows:**

- ◆ Raise the flap (1).
- ◆ Insert the key (2) in the tank plug lock (3).
- ◆ Turn the key clockwise, pull and open the fuel flap.

FUEL TANK CAPACITY  
(reserve included): 21 ℓ

TANK RESERVE: 5 ℓ



### ⚠ CAUTION

**Do not put additives or other substances into the fuel.**

**If you use a funnel or other similar items, make sure that they are perfectly clean.**

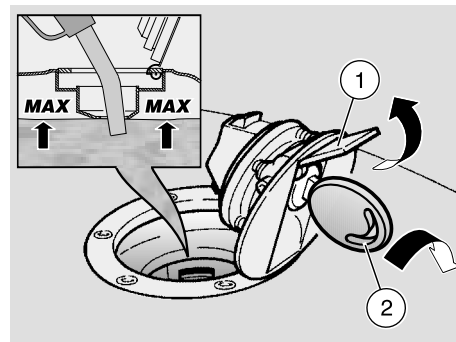
### ⚠ WARNING

**Do not fill the tank completely; the maximum fuel level must remain below the lower edge of the filler neck (see figure).**

### ⚠ CAUTION

**During the refilling operations, be careful to avoid damaging the inner parts of the tank with the fuel pump.**

- ◆ Refuel.



**After refuelling:**

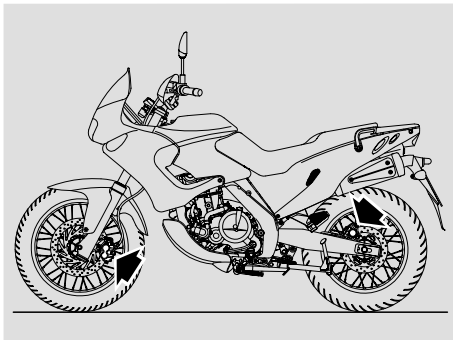
**NOTE** The cap can be closed only when the key (2) is inserted.

- ◆ With inserted key (2), close the cap by pressing it.

### ⚠ WARNING

**Make sure that the cap is properly closed.**

- ◆ Withdraw the key (2).
- ◆ Close the flap (1).



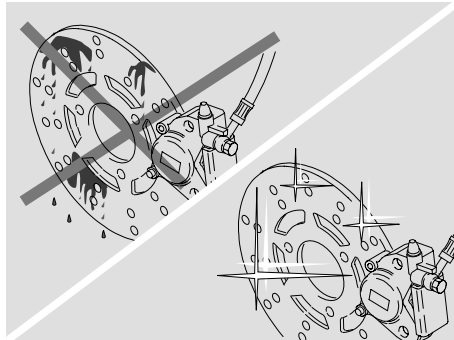
## **BRAKE FLUID - recommendations**

**NOTE** This vehicle is provided with front and rear disc brakes, with separate hydraulic circuits.

The following information refers to a single braking system, but is valid for both.

### **⚠ 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.



### **⚠ WARNING**

Make sure that the brake discs are neither oily nor greasy, especially after maintenance or checking operations.

Check that the brake cables are neither twisted nor worn out.

Prevent water or dust from accidentally getting into the circuit.

In case maintenance operations are to be performed on the hydraulic circuit, it is advisable to use latex gloves.

If the brake fluid gets in contact with the skin or the eyes, it can cause serious irritations.



### **⚠ WARNING**

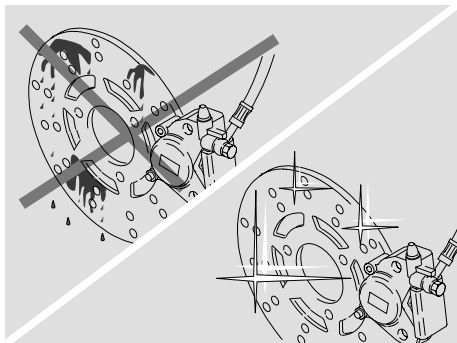
Carefully wash the parts of your body that get in contact with the liquid. Consult a doctor or an oculist if the liquid gets in contact with your eyes.

**DO NOT DISPOSE OF THE FLUID IN THE ENVIRONMENT.**

**KEEP AWAY FROM CHILDREN.**

### **⚠ CAUTION**

When using the brake fluid, take care not to spill it on the plastic or painted parts, since it can damage them.



## DISC BRAKES

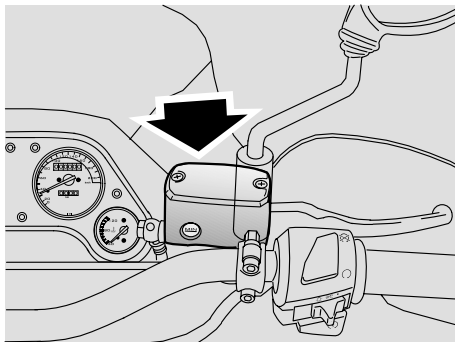
### ⚠ WARNING

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. Use brake fluid of the type specified in the lubricant chart, see p. 104 (LUBRICANT CHART).



**NOTE** This vehicle is provided with disc brakes with two, front and rear braking systems having separate hydraulic circuits.

The front braking system is with single disc (left side).

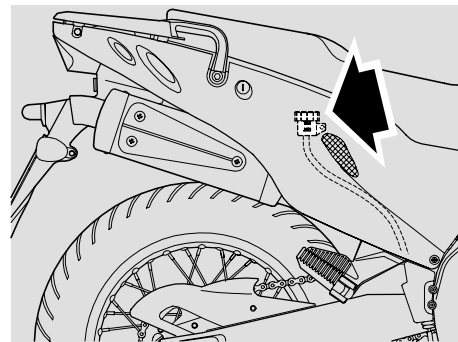
The rear braking system is with single disc (left side).

The following information refers to a single braking system, but is valid for both.

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

The front brake fluid tank is positioned on the right part of the handlebar, near the front brake lever coupling.

The rear brake reservoir is positioned on the right side of the vehicle, near the rear brake control lever.



**NOTE** Carry out the maintenance operations halving the intervals indicated, if the vehicle is used in rainy or dusty areas or on uneven surfaces.

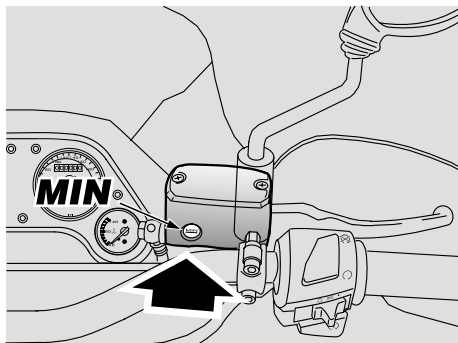
Have the brake discs checked by an **aprilia** Official Dealer after the first 1000 km (625mi) and successively every 6000 km (3750 mi).

Before departure, check the brake fluid level in the reservoirs, see p. 31 (FRONT BRAKE), p. 33 (REAR BRAKE), and the wear of the pads, see p. 80 (CHECKING THE BRAKE PAD WEAR).

Have the brake fluid changed every two years by an **aprilia** Official Dealer.

### ⚠ WARNING

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



## FRONT BRAKE

### CHECK

- ◆ Keep the vehicle in vertical position and turn the handlebar, so that the fluid contained in the tank is parallel to the brake fluid tank cover.
- ◆ Make sure that the fluid level exceeds the “MIN” mark.

**MIN**= minimum level

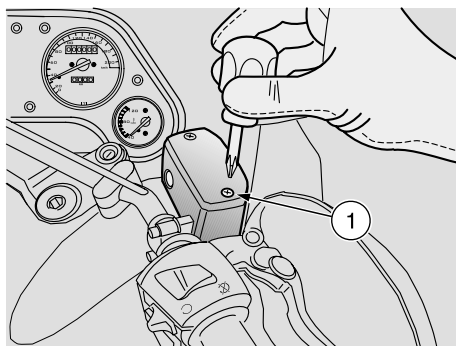
If the fluid does not reach at least the “MIN” mark:

### ⚠ 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. 80 (CHECKING THE BRAKE PAD WEAR) and the disc wear.

If the pads and/or the disc do not need replacing, provide for topping up.



### TOPPING UP

Carefully read p. 29 (BRAKE FLUID - recommendations).

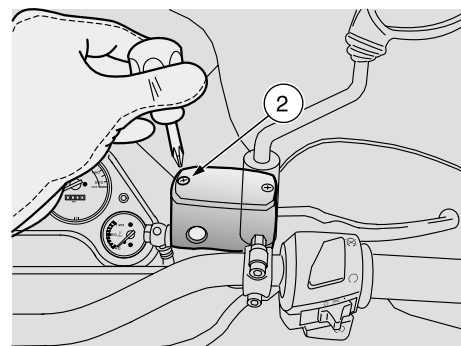
### ⚠ CAUTION

**The brake fluid may flow out of the tank. Do not operate the front brake lever if the screws (1) and (2) are loose or, most important, if the brake fluid tank cover has been removed.**

### ⚠ CAUTION

**Position a cloth under the brake reservoir, in case some fluid should be spilled.**

- ◆ Keep the vehicle in vertical position and turn the handlebar, so that the fluid contained in the tank is parallel to the brake fluid tank cover.
- ◆ Unscrew the screw (1), using a short, cross-tip screwdriver.
- ◆ Unscrew the screw (2).

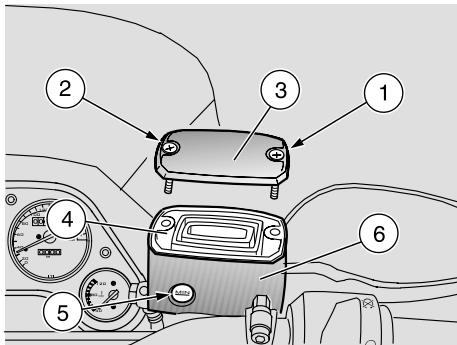


### ⚠ WARNING

**Avoid any prolonged exposure of the brake fluid to the air.**

**The brake fluid is hygroscopic and when in contact with the air it absorbs its humidity.**

**Leave the brake fluid tank open ONLY for the time necessary for topping up.**



- ◆ Raise and remove the cover (3) together with the screws (1) and (2).
- ◆ Remove the gasket (4).

### ⚠ CAUTION

In order not to spill the brake fluid while topping up, do not shake the vehicle.  
Do not put additives or other substances into the fluid.

If you use a funnel or other similar items, make sure that they are perfectly clean.

**NOTE** In order to reach the “MAX” level, top up until covering the glass (5) completely, with the brake fluid reservoir rim parallel to the ground.

- ◆ Top up the reservoir (6) by adding brake fluid, see p. 104 (LUBRICANT CHART), until reaching the correct level.

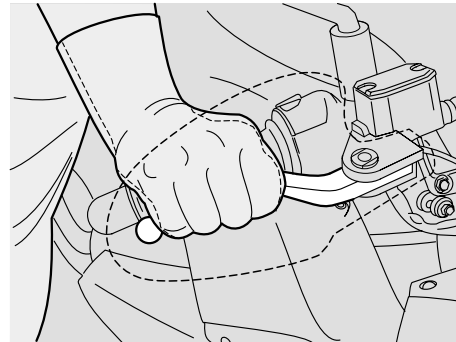


### ⚠ CAUTION

**Do not exceed the “MAX” level while topping up.**

**It is advisable to top up until reaching the “MAX” level only with new pads.**

**Do not reach the “MAX” level with worn out pads, since this will cause a fluid outflow when the pads are changed.**



- ◆ Put back the gasket (4) in its seat correctly.
- ◆ Put back the cover (3).
- ◆ Screw and tighten the screw (2).
- ◆ Screw and tighten the screw (1).

### ⚠ WARNING

**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 BRAKE

### CHECK

- ◆ Remove the right side panel, see p. 73 (REMOVING THE RIGHT AND LEFT SIDES).
- ◆ Keep the vehicle in vertical position.
- ◆ Make sure that the fluid level exceeds the “MIN” mark.

**MIN**= minimum level

**MAX**= maximum level

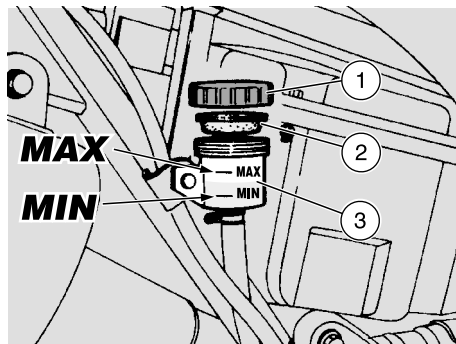
If the fluid does not reach at least the “MIN” mark:

### ⚠ 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. 80 (CHECKING THE BRAKE PAD WEAR) and the disc wear.

If the pads and/or the disc do not need replacing, provide for topping up.



### TOPPING UP

Carefully read p. 29 (BRAKE FLUID - recommendations).

### ⚠ CAUTION

The brake fluid may flow out of the tank. Do not pull the rear brake lever if the brake fluid tank cover has been removed.

### ⚠ WARNING

Avoid any prolonged exposure of the brake fluid to the air.

The brake fluid is hygroscopic and when in contact with the air it absorbs its humidity.

Leave the brake fluid tank open **ONLY** for the time necessary for topping up.

- ◆ Unscrew and remove the plug (1).
- ◆ Remove the gasket (2).

### ⚠ CAUTION

In order not to spill the brake fluid while topping up, keep the fluid in the tank parallel to the tank rim (in horizontal position).

Do not put additives or other substances into the fluid.

If you use a funnel or other similar items, make sure that they are perfectly clean.

- ◆ Fill the tank (3) with brake fluid, see p. 104 (LUBRICANT CHART), until reaching the correct level between the “MIN” and “MAX” marks.

### ⚠ CAUTION

It is advisable to top up until reaching the “MAX” level only with new pads.

Do not reach the “MAX” level with worn out pads, since this will cause a fluid outflow when the pads are changed.

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.

## COOLANT

### ⚠ CAUTION

Do not use the vehicle if the coolant is below the minimum prescribed level "MIN".

**NOTE** Carry out the maintenance operations halving the intervals indicated, if the vehicle is used in rainy or dusty areas or on uneven surfaces.

Before departure, check the coolant level, see p. 35 (CHECKING AND TOPPING UP); have the coolant changed every two years: for this operation, contact an **aprilia** Official Dealer.

### ⚠ WARNING

The coolant is noxious: do not swallow it; if the coolant gets in contact with the skin or the eyes, it can cause serious irritations.

If the fluid gets in contact with your skin or eyes, rinse with plenty of water and consult a doctor. If it is swallowed, induce vomit, rinse mouth and throat with plenty of water and consult a doctor without delay.

**KEEP AWAY FROM CHILDREN.**

**DO NOT DISPOSE OF THE FLUID IN THE ENVIRONMENT.**

### ⚠ WARNING

Be careful not to spill the coolant on the red-hot parts of the engine: it may catch fire and send out invisible flames.

In case any maintenance operation should be required, it is advisable to use latex gloves.

### ⚠ CAUTION

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

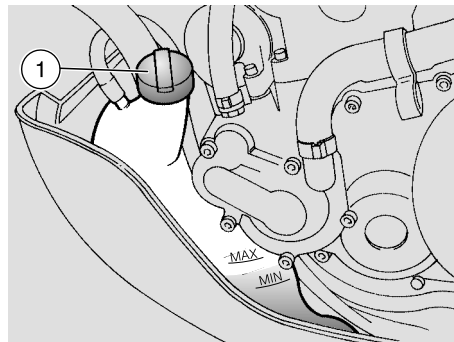
The coolant is composed of 50% water and 50% antifreeze.

This mixture is ideal for most running temperatures and ensures good protection against corrosion.

It is advisable to keep the same mixture also in the hot season, since in this way losses due to evaporation are reduced and it is not necessary to top up very frequently.

The mineral salt deposits left in the radiator by evaporated water are thus reduced and the efficiency of the cooling system remains unchanged.

If the outdoor temperature is below 0°, check the cooling circuit frequently and if necessary increase the antifreeze concentration (up to maximum 60%).



For the cooling solution use distilled water, in order not to damage the engine.

### ⚠ WARNING

Do not remove the expansion tank plug (1) when the engine is hot, since the coolant is under pressure and its temperature is high.

If it gets in contact with the skin or with clothes it may cause severe burns and/or damage.



## CHECKING AND TOPPING UP

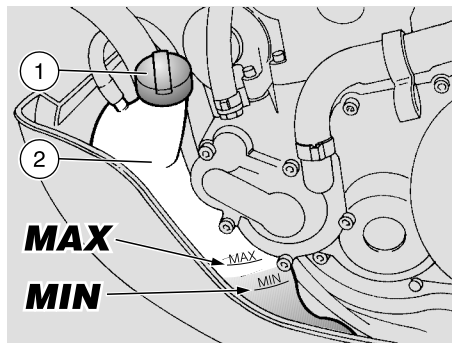
### **WARNING**

**Check the coolant level and top up the expansion tank with cold engine.**

- ◆ Stop the engine and wait until it has cooled down.
- ◆ Keep the vehicle in vertical position, with the two wheels resting on the ground.
- ◆ Make sure that the level of the fluid contained in the expansion tank (2) is included between the “**MAX**” and “**MIN**” marks.

**MAX**= maximum level

**MIN**= minimum level



**If not, proceed as follows:**

- ◆ Unscrew and remove the filling cap (1).

### **WARNING**

**The coolant is noxious: do not swallow it; if the coolant gets in contact with the skin or the eyes, it can cause serious irritations.**

**Do not use your fingers or any other object to check if there is enough coolant.**

### **CAUTION**

**Do not put additives or other substances into the fluid.**

**If you use a funnel or other similar items, make sure that they are perfectly clean.**



- ◆ Top up the expansion tank by adding coolant, see p. 104 (LUBRICANT CHART), until this almost reaches the “**MAX**” level. Do not exceed this level, otherwise the fluid will flow out while the engine is running.
- ◆ Put back the filling cap (1).

### **CAUTION**

**In case of excessive consumption of coolant and in case the tank remains empty, make sure that there are no leaks in the circuit. Have it repaired by an **aprilia** Official Dealer.**

## TYRES

This vehicle is provided with tyres with tube.

**NOTE** Carry out the maintenance operations halving the intervals indicated, if the vehicle is used in rainy or dusty areas or on uneven surfaces.

### **⚠ WARNING**

Check the inflation pressure at room temperature every two weeks.

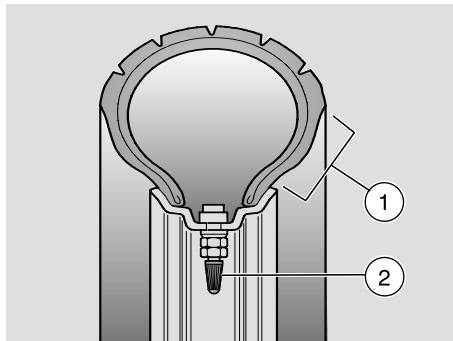
Check the conditions of the tyres and the inflation pressure at room temperature every 1000 km (625 mi), see p. 101 (TECHNICAL DATA).

### **⚠ WARNING**

Periodically check the tyre inflation pressure at room temperature, see p. 101 (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 the 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 come off the rims.

Further, the vehicle could skid while turning.

### **⚠ WARNING**

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.

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.

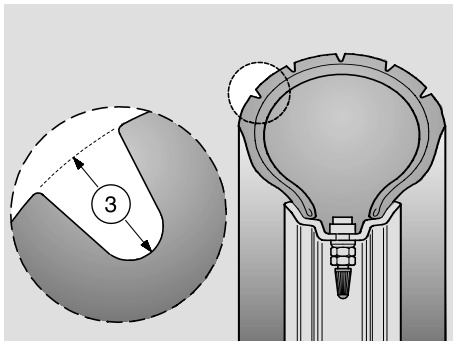
### **⚠ WARNING**

The tyres must be replaced with other tyres of the type and model recommended by the manufacturer, see p. 101 (TECHNICAL DATA); the use of tyres different from those prescribed may adversely affect the manoeuvrability of the vehicle.

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

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

Change, repair, maintenance and balancing operations are very important and therefore they must be performed by qualified technicians with appropriate tools.



### ⚠ WARNING

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. 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, replace them.

#### **MINIMUM TREAD DEPTH LIMIT (3):**

front and rear 2 mm and in any case not less than prescribed by the regulations in force in the country where the vehicle is used.

## ENGINE OIL

### ⚠ WARNING

Engine oil may cause serious damage to the skin if handled daily and for long periods.

Wash your hands carefully after use.


**KEEP AWAY FROM CHILDREN.**

**DO NOT DISPOSE OF THE OIL IN THE ENVIRONMENT.**

Put it in a sealed container and take it to the filling station where you usually buy it or to an oil salvage center.

In case any maintenance operation should be required, it is advisable to use latex gloves.

### ⚠ CAUTION

If the engine oil pressure warning light “” comes on during the normal operation of the engine, this means that the engine oil pressure in the circuit is insufficient.

In this case, check the engine oil level, see p. 59 (CHECKING THE ENGINE OIL LEVEL AND TOPPING UP); if the level isn't correct, stop the engine immediately and contact an **aprilia** Official Dealer.



### ⚠ CAUTION

Proceed with care.

**Do not spill the oil!**

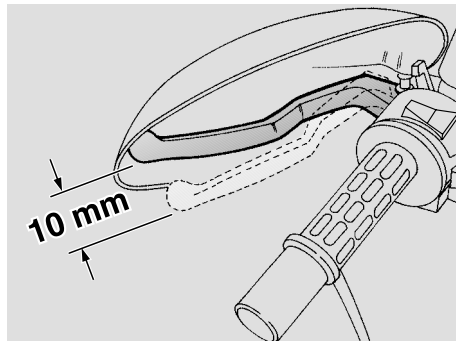
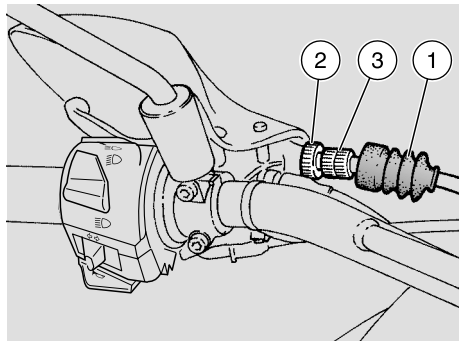
Take care not to smear any component, the area in which you are working and the surrounding area. Carefully remove any trace of oil.

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

Periodically check the engine oil level, see p. 59 (CHECKING THE ENGINE OIL LEVEL AND TOPPING UP).

For the engine oil change, see p. 56 (REGULAR SERVICE INTERVALS CHART) and p. 60 (CHANGING THE ENGINE OIL AND THE OIL FILTER).

**NOTE** Use high-quality 5W – 40 oil, see p. 104 (LUBRICANT CHART).



## CLUTCH

### ADJUSTING THE CLUTCH

Adjust the clutch after the first 1000 km (625 mi) and successively every 6000 km (3750 mi) and when the engine stops or the vehicle (with pulled clutch lever and gears on) tends to move forward, or if the clutch slips, causing a delay in the acceleration with respect to the engine rpm.

**For the adjustment, proceed as follows:**

- ◆ Position the vehicle on the stand, see p. 52 (POSITIONING THE VEHICLE ON THE STAND).
- ◆ Withdraw the protection element (1).
- ◆ Loosen the lock nut (2).
- ◆ Rotate the adjuster (3), until the idle stroke of the clutch lever is about **10 mm**.
- ◆ Tighten the lock nut (2) and check the adjustment again.
- ◆ Start the engine, see p. 44 (STARTING).
- ◆ Pull the clutch control lever completely and engage the 1st gear.

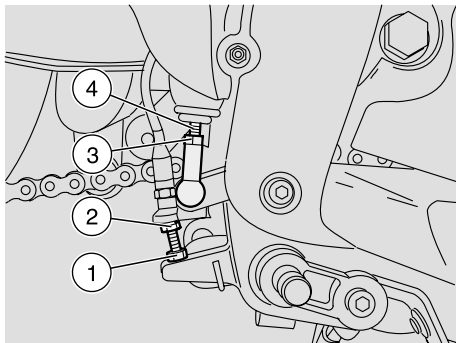
Make sure that the engine does not stop, that the vehicle does not tend to move forward, or that the clutch does not slip during the acceleration phase or while the vehicle is running.

### ⚠ WARNING

**If it is not possible to obtain a correct adjustment or if the clutch does not function properly, contact your **aprilia** Official Dealer.**

### ⚠ CAUTION

**Make sure that the clutch control cable is intact: the inner cable and outer sheat must not be worn or flattened at any point.**

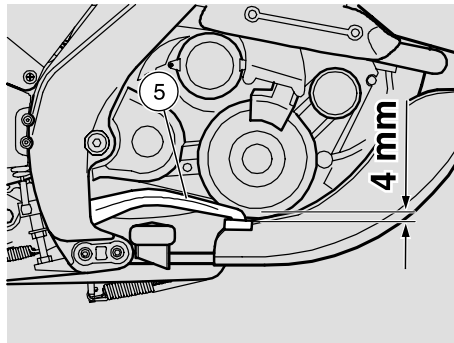


## ADJUSTING THE REAR BRAKE CONTROL LEVER CLEARANCE

The brake control lever is positioned ergonomically during the assembly of the vehicle.

If necessary, it is possible to adjust the brake control lever clearance:

- ◆ Loosen the lock nut (1).
- ◆ Screw the brake adjuster (2) completely.
- ◆ Screw the lock nut (3) completely on the pump control rod (4).
- ◆ Screw the pump control rod (4) completely, then unscrew it by giving 3 – 4 turns.
- ◆ Screw the brake adjuster (2) until the brake pedal reaches the desired height.
- ◆ Lock the brake adjuster (2) by means of the lock nut (1).
- ◆ Unscrew the pump control rod (4) and bring it in contact with the pump piston.



- ◆ Screw the rod in order to ensure a minimum clearance of **0.5 – 1 mm** between the pump control rod (4) and the pump piston.

### ⚠ CAUTION

**Make sure that there is a certain idle stroke in the movement of the lever (5), to prevent the brake from remaining applied and the consequent untimely wear of the braking elements.**

**Lever (5) idle stroke: 4 mm (measured at the lever end).**

- ◆ Lock the pump control rod (4) by means of the lock nut (3).

### ⚠ CAUTION

**After the adjustment, make sure that the wheel rotates freely with released brake.**

**Check the braking efficiency.**



**If necessary, contact your Aprilia Official Dealer.**

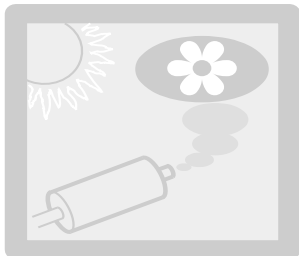
## AUTOMATIC LIGHT SWITCHING VERSION ASD

The vehicles provided with this device can be immediately recognized, since the lights come automatically on as soon as the ignition switch is turned to position "O".

For this reason, no light switch is provided.

The lights can be switched off only by turning the ignition switch to position "⌂".

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



## CATALYTIC EXHAUST SILENCERS



**NOTE** The following information refers to a single exhaust silencer, but is valid for both.

### 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.

### CAUTION

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

## EXHAUST SILENCERS

### WARNING

**Tampering with the noise control system is prohibited.**

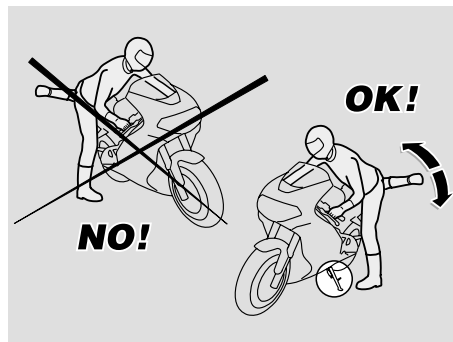
Owners are warned that the law may prohibit:

- 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;
- 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



## GETTING ON AND OFF THE VEHICLE

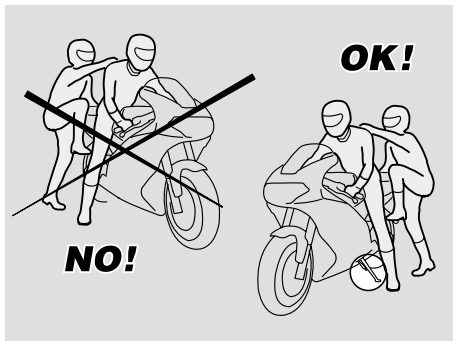
The instructions below must be followed with the maximum care in order to avoid any injury to persons and damage to property and to the vehicle, caused by the falling of the rider or the passenger from the vehicle and/or the falling or overturning of the vehicle itself.

### WARNING

**Risk of falling and overturning. Proceed with care.**

The operations and movements required to get on and off the vehicle must be performed with complete freedom of movement and with the hands free from obstruction caused by holding objects, the helmet, gloves or glasses.





The vehicle is provided with two stands: centre stand and side stand.

### ⚠ CAUTION

**Do not start the engine with the vehicle positioned on the centre stand. Engaging the gears may make you lose control of the vehicle.**

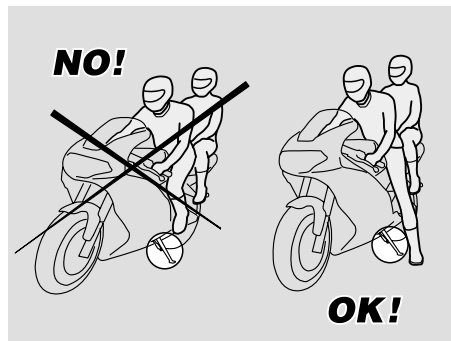
**Do not get on or let the passenger get on the vehicle if this is positioned on the centre stand.**

**It is forbidden to position the vehicle on the centre stand while seated astride the vehicle in riding position.**

Get on and off the vehicle only from the left side and always with extended side stand.

### ⚠ CAUTION

**Do not apply the load of your weight or of the passenger's weight onto the side stand.**



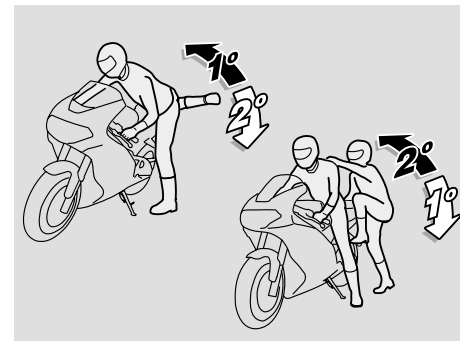
The stand has been designed to support the weight of the vehicle and a minimum load, without the rider and the passenger.

Getting on the vehicle into the riding position with extended side stand is permitted only for the purpose of preventing the vehicle from falling or overturning and does not envision the loading of the weight of the rider and passenger onto the side stand.

While getting on and off, the weight of the vehicle may cause an unbalance and the consequent loss of equilibrium, and the vehicle may fall or overturn.

**NOTE** The rider must always be the first person to get on the vehicle and the last to get off and it is the rider who controls the balance and stability of the vehicle when the passenger gets on and off.

When getting on and off the vehicle, the passenger must make careful movements, in order to maintain the balance of the vehicle and the rider.



**NOTE** The rider is responsible for instructing the passenger how to safely get on and off the vehicle.

The vehicle is equipped with special passenger footrests to make it easier to get on and off the vehicle. The passenger must always use the left footrest to get on and off the vehicle.

Neither get off, nor try to get off the vehicle by jumping or stretching your leg down to the ground. In both cases this would compromise the stability and balance of the vehicle.

**NOTE** Bags or objects strapped to the rear of the vehicle can represent an obstacle while getting on and off.

In any case, perform a controlled movement with your right leg, which must avoid striking and safely pass the rear part of the fairing or the luggage without creating unbalance.

## GETTING ON THE VEHICLE

- ◆ Grasp the handlebar correctly and get on the vehicle without loading your weight onto the side stand.

**NOTE** If it is impossible for you to place both feet on the ground, place the right foot on the ground (in case of unbalance, the left side of the vehicle is prevented from falling over by the side stand) and keep the left foot ready to rest on the ground.

- ◆ Place both feet on the ground and straighten the vehicle into riding position while keeping it in balance.

**NOTE** The rider must not extract or attempt to extract the passenger footrest while seated astride the vehicle, because this might compromise the stability and balance of the vehicle.

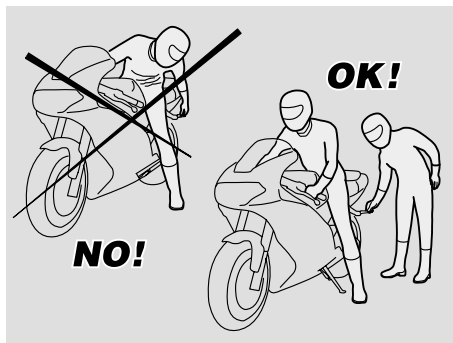
- ◆ Have the passenger extract the two passenger footrests.
- ◆ Instruct the passenger how to safely get on the vehicle.
- ◆ Kick the side stand completely back using your left foot.

## GETTING OFF THE VEHICLE

- ◆ Choose a suitable parking area, see p. 51 (PARKING).
- ◆ Stop the vehicle, see p. 51 (STOPPING).

### WARNING

Make sure that the parking surface is free from obstacles, firm and flat.



- ◆ With the left shoe heel, extend the side stand completely by acting on the appropriate lever.

**NOTE** If it is impossible for you to place both feet on the ground, place the right foot on the ground (in case of unbalance, the left side of the vehicle is prevented from falling over by the side stand) and keep the left foot ready to rest on the ground.

- ◆ Place both feet on the ground, keeping the vehicle in balance in riding position.
- ◆ Instruct the passenger how to safely get off the vehicle.

### CAUTION

**Risk of falling and overturning.**  
Make sure that the passenger has got off the vehicle.  
Do not load your weight onto the side stand.

- ◆ Incline the vehicle until the stand rests on the ground.
- ◆ Grasp the handlebar correctly and get off the vehicle.
- ◆ Rotate the handlebar completely leftwards.
- ◆ Lift the passenger footrests.

### CAUTION

Make sure that the vehicle is stable.

## PRELIMINARY CHECKING OPERATIONS

### WARNING

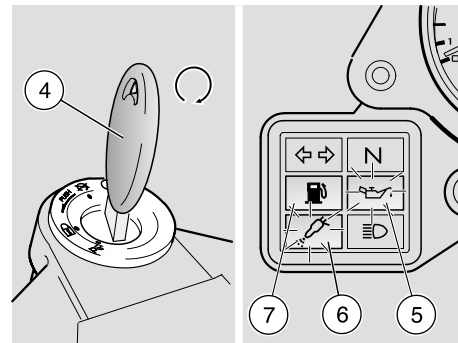
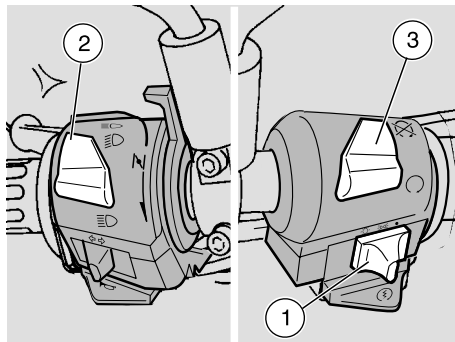
Before departure, always carry out a preliminary checking of the vehicle to make sure that it functions correctly and safely, see the following table (PRELIMINARY CHECKING OPERATIONS). The non-performance of these checking operations can cause severe personal injuries or damages to the vehicle.

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 and rear disc brakes	Check the functioning, the idle stroke of the control levers, the fluid level and make sure there are no leaks. Check the wear of the pads. If necessary, top up the fluid tank.	29 (BRAKE FLUID - recommendations), 30 (DISC BRAKES), 31 (FRONT BRAKE), 33 (REAR BRAKE), 80 (CHECKING THE BRAKE PAD WEAR)
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.	81 (ADJUSTING THE ACCELERATOR CONTROL)
Engine oil	Check and/or top up if necessary.	37 (ENGINE OIL), 59 (CHECKING THE ENGINE OIL LEVEL AND TOPPING UP)
Wheel/tyres	Check the tyre surface, the inflation pressure, wear and tear and any damage. Remove any foreign matter that may be stuck in the tread grooves.	36 (TYRES)
Brake levers	Make sure that they work smoothly. Lubricate the articulations and adjust the stroke if necessary.	39 (ADJUSTING THE REAR BRAKE CONTROL LEVER CLEARANCE)
Clutch	The idle stroke at the end of the clutch lever must be approximately 10 mm; the clutch must work without jerking and/or slipping.	38 (CLUTCH)
Steering	Make sure that the steering rotates smoothly, without any clearance or slackening.	–
Side stand and centre stand <b>OPT</b> (supplied as standard equipment in the countries where required)	Make sure that it operates correctly. Make sure that when the stand is let up or down there is no friction and that the spring tension brings it back to its normal position. If necessary, lubricate joints and hinges. Make sure that the safety switch operates correctly.	86 (CHECKING THE STAND), 91 (CHECKING THE SWITCHES)
Fastening elements	Make sure that the fastening elements are not loose. If necessary, adjust or tighten them.	–
Drive chain	Check the slack.	70 (DRIVE CHAIN)
Fuel tank	Check the fuel level and top up, if necessary. Check the circuit for leaks. Make sure that the fuel cap is correctly closed.	27 (FUEL)
Coolant	The coolant level in the expansion tank must be included between thmax e “ <b>MAX</b> ” and “ <b>MIN</b> ” marks.	34 (COOLANT), 35 (CHECKING AND TOPPING UP)
Engine stop switch (○ - ☒)	Make sure that it operates correctly.	19 [ENGINE STOP SWITCH (○ - ☒)]
Lights, warning lights LED, horn, rear brake light switch and electric devices	Check the proper functioning of the acoustic and visual devices. Change the bulbs or intervene in case of failure.	87 (BATTERY) – 97 (CHANGING THE NUMBER PLATE BULB)



## STARTING

### ⚠ WARNING

**Do not position any object inside the front part of the fairing (between the handlebar and the dashboard), in order not to hinder the rotation of the handlebar and visibility toward the dashboard.**

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

### ⚠ WARNING

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

**Avoid starting the engine in closed or badly-ventilated rooms.**

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

**NOTE** With the side stand down, the engine can be started only if the gears are in neutral; in this case, if you try to engage the gears, the engine stops.

With the side stand up, it is possible to start the engine either in neutral gear or with engaged gears and pulled in clutch lever.

- ◆ Get on the vehicle in riding position, see p. 40 (GETTING ON AND OFF THE VEHICLE).
- ◆ Make sure that the stand is completely up.
- ◆ **Not provided for ASD.** Make sure that the light switch (1) is in position “•”.
- ◆ Make sure that the dimmer switch (2) is in position “”.
- ◆ Move the engine stop switch (3) to position “O”.
- ◆ Rotate the key (4) and move the ignition switch to position “O”.

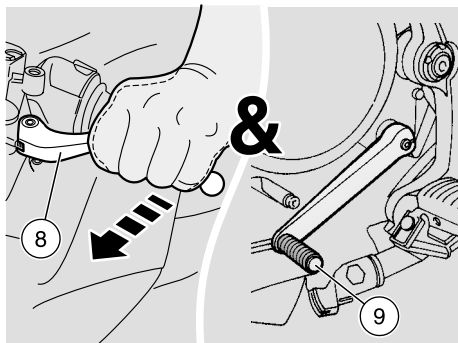
At this point the following lights come on on the dashboard:

- the engine oil pressure warning light “” (5) (which will remain on until the engine is started);
- the diagnostic warning light “” (6) (which will remain on for a few seconds after the engine start).

The fuel pump will pressurize the fuel supply circuit, sending out a hum for about three seconds.

### ⚠ CAUTION

**If the low fuel warning light “” (7) comes on on the dashboard, provide for topping up as soon as possible, see p. 27 (FUEL).**



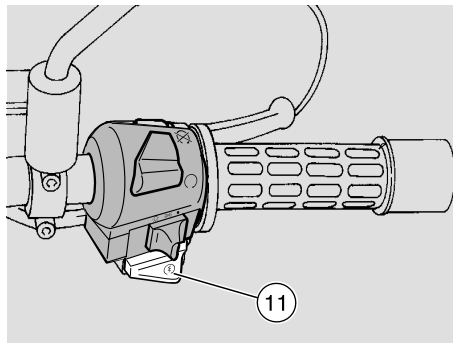
- ◆ Operate the front brake lever completely.
- ◆ Pull the clutch lever (8) completely and shift the gearbox lever (9) into neutral [green warning light “N” (10) on].

**NOTE** If the room temperature is low (near to or lower than 0°C), see p. 46 (STARTING WITH COLD ENGINE).

### ⚠ CAUTION

To avoid excessive consumption of the battery, do not keep the start push button “Ⓢ” pressed for more than fifteen seconds.

If the engine does not start in this lapse of time, wait ten seconds and press the start push button “Ⓢ” again.



- ◆ Press the start push button “Ⓢ” (11) without accelerating and release it as soon as the engine starts.

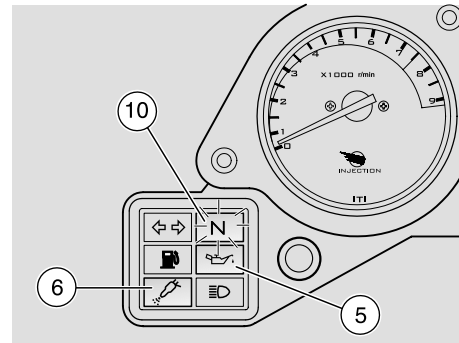
### ⚠ CAUTION

Avoid pressing the start push button “Ⓢ” (11) when the engine is running, since you may damage the starter.

If the engine oil pressure warning light “Ⓢ” (5) remains on, or if it comes on during the normal operation of the engine, this means that the oil pressure in the circuit is insufficient.

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

- ◆ Keep at least one brake lever pulled and do not accelerate until you start.



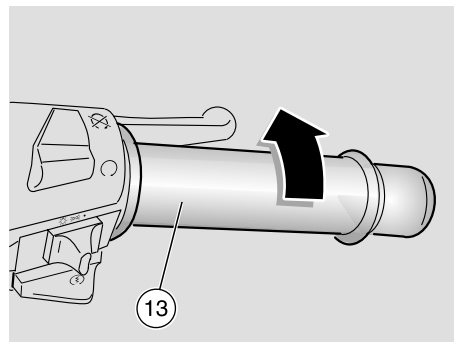
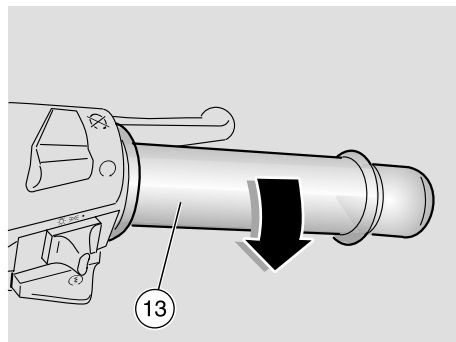
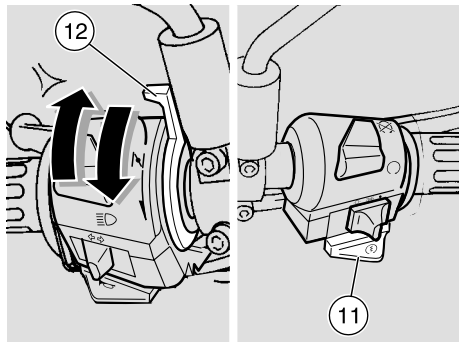
### ⚠ CAUTION

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.

### ⚠ CAUTION

If the diagnostic warning light “Ⓢ” (6) comes on on the dashboard during the normal operation of the engine, this means that the electronic unit has detected an anomaly.

In many cases the engine keeps running with limited functions; contact an **aprilia** Official Dealer immediately.



## STARTING WITH COLD ENGINE

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

### In this case:

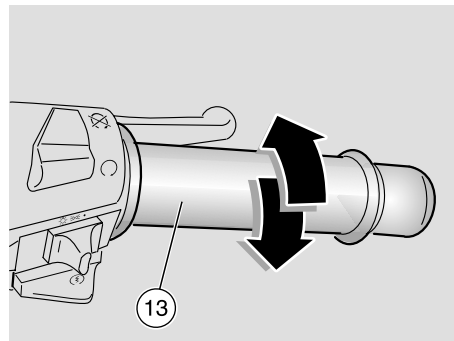
- ◆ Rotate the cold start lever “↗” (12) downwards.
- ◆ Insist for at least ten seconds with the start push button “Ⓢ” (11) pressed and at the same time moderately rotate the throttle grip (13).

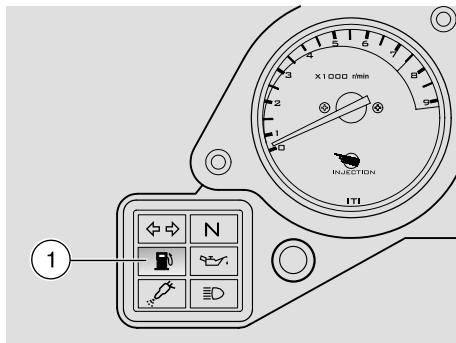
### If the engine starts.

- ◆ Release the start push button “Ⓢ” (11) and the throttle grip (13).
- ◆ Rotate the cold start lever “↖” (12) upwards.
- ◆ If the idling is unstable, twist the throttle grip (13) slightly and frequently.

### If the engine does not start.

Wait a few seconds and repeat the cold START PROCEDURE.






## DEPARTURE AND DRIVE

### ⚠ WARNING

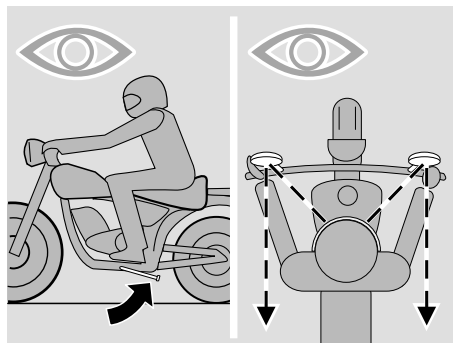
Do not position any object inside the front part of the fairing (between the handlebar and the dashboard), in order not to hinder the rotation of the handlebar and visibility toward the dashboard.

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

### ⚠ CAUTION

If the low fuel warning light “” (1) positioned on the dashboard comes on while the vehicle is running, this means that 5 ℓ of fuel are still available in the tank.

Provide for topping up as soon as possible, see p. 27 (FUEL).



### ⚠ WARNING

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

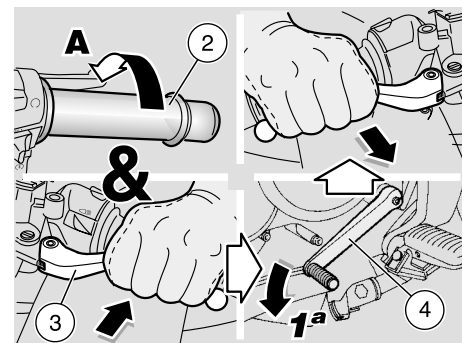
While riding, keep your hands on the grips and your feet on the footrests.

**NEVER RIDE IN ANY POSITION OTHER THAN THOSE INDICATED.**

### ⚠ WARNING

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

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



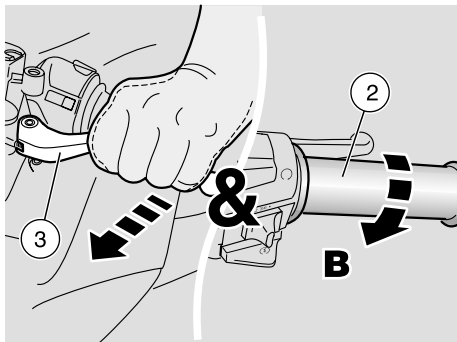
To leave:

- ◆ Start the engine, see p. 44 (STARTING).
- ◆ Adjust the inclination of the rear-view mirrors correctly, see p. 83 (REAR-VIEW MIRRORS).

### ⚠ CAUTION

With the vehicle at rest, try to get acquainted with the use of the rear-view mirrors. The reflecting surface is convex, therefore the objects seem to be farther away than they actually are. These mirrors offer a “wide-angle” view and only experience will allow you to evaluate the distance of the following vehicles correctly.

- ◆ With released throttle grip (2) (Pos.A) and engine idling, pull the clutch lever (3) completely.
- ◆ Engage the first gear, by pushing the gear lever (4) downwards.
- ◆ Release the brake lever (pulled on the starting).

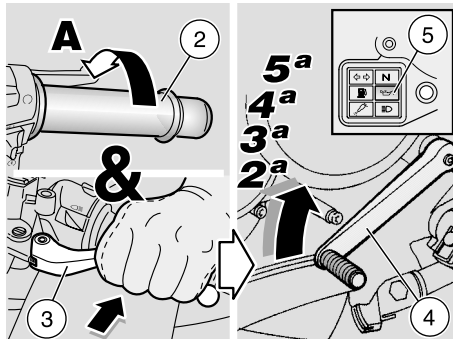


### ⚠ WARNING

On departure, the abrupt release of the clutch lever may cause the engine to stall or the vehicle to jerk forwards.

Never accelerate abruptly or excessively when releasing the clutch lever, in order to prevent the clutch from “slipping” (slow release) or the front wheel from raising “rearing up” (quick release).

- ◆ Slowly release the clutch lever (3) and at the same time accelerate by slightly turning the throttle grip (2) (**Pos.B**). The vehicle will start moving.
- ◆ Ride at reduced speed for the first miles, in order to warm the engine up.



### ⚠ CAUTION

Never exceed the recommended rpm, see p. 50 (**RUNNING-IN**).

- ◆ Increase the speed by gradually rotating the throttle grip (2) (**Pos.B**), without exceeding the recommended rpm, see p. 50 (**RUNNING-IN**).

To engage the second gear:

### ⚠ CAUTION

Proceed quickly.  
Never ride the vehicle at too low rpm.

- ◆ Release the throttle grip (2) (**Pos.A**), pull the clutch lever (3) and lift the shifting lever (4). Release the clutch lever (3) and accelerate.
- ◆ Repeat the last two operations and shift up.

### ⚠ CAUTION

If the engine oil pressure warning light “” (5) comes on during the normal operation of the engine, this means that the engine oil pressure in the circuit is insufficient.

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

The downshifting should be carried out in the following situations:

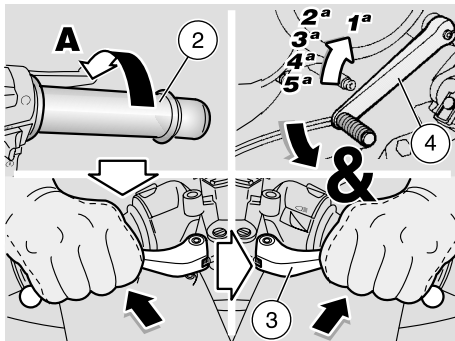
- ◆ When riding downhill or when braking, in order to increase the braking action by using the compression of the engine.
- ◆ When riding uphill, if the gear engaged is not suitable to the speed (high gear, moderate speed) and the engine rpm decreases.

### ⚠ CAUTION

Shift the gears one by one; the simultaneous downshifting of more than one gear may make you exceed the maximum rpm (red line).

Before and during the downshifting, release the throttle grip and decelerate, in order to avoid the “red line”.







**To shift down, proceed as follows:**


- ◆ Release the throttle grip (2) (**Pos.A**).
- ◆ If necessary, pull the brake levers moderately and decrease the speed of the vehicle.
- ◆ Pull the clutch lever (3) and lower the shifting lever (4) to shift down.
- ◆ If the brake levers are pulled, release them.
- ◆ Release the clutch lever and accelerate moderately.

### **⚠ CAUTION**

If the pointer on the coolant temperature indicator indicates a temperature over 120 °C, stop the vehicle and let the engine idle for approximately two minutes, thus permitting the regular circulation of the coolant in the system; at this point, position the engine stop switch on “” and check the coolant level, see p. 34 (**COOLANT**).

If the situation on the dashboard remains the same after the coolant level has been checked, do not start the vehicle and contact an **aprilia** Official Dealer.

Do not position the ignition key on “”, since the cooling fan would stop independently of the coolant temperature and in this case the temperature would increase even further.

If the diagnostic warning light “” comes on on the dashboard during the normal operation of the engine, this means that the electronic unit has detected an anomaly.

In many cases the engine keeps running with limited functions; contact an **aprilia** Official Dealer immediately.

To avoid the overheating of the clutch, keep the engine running with vehicle at rest, engaged gears and pulled clutch lever for the shortest possible time.

### **⚠ WARNING**

Avoid opening and closing the throttle grip repeatedly and continuously, so that you do not accidentally lose control of the vehicle. 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 steady may cause the overheating of the clutch.

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 surfaces may overheat, thus reducing the braking efficiency. Exploit the engine compression and shift down by putting on both brakes intermittently. Never drive downhill with the engine off!

When visibility is insufficient, switch on the low beam even during the day, in order to make your vehicle more visible. In case of wet ground or scarce wheel grip (snow, ice, mud, etc.), drive slowly, avoiding sudden brakings or manoeuvres that could make you lose grip and fall down.

### **⚠ WARNING**

Pay the utmost attention to any obstacle or variation of the ground. 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 leaning the vehicle as little as possible.

Always use the turn 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.

## RUNNING-IN

The running-in of the engine is essential to ensure its duration and 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.

During running-in, change speed.

In this way the components are first “loaded” and then “relieved” and the engine parts can thus cool down.

Even if it is important to stress the engine components during running-in, take care not to exceed.

**NOTE** Only after the first 2000 km (1250 mi) of running-in you can expect the best performance levels from the vehicle.

### Keep to the following indications:

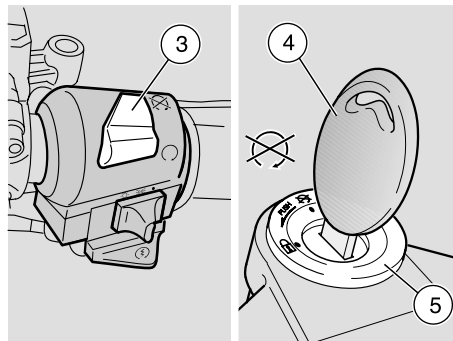
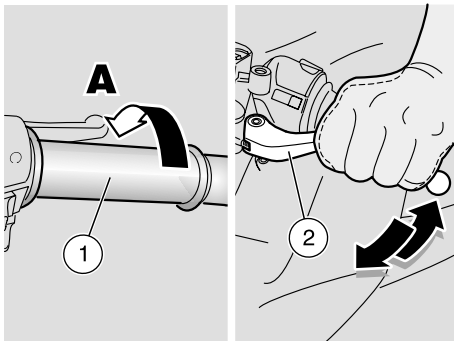
- ◆ Do not open the throttle completely if the speed is low, both during and after the running-in.
- ◆ During the first 500 km (312 mi) put on the brakes with caution, avoiding sharp and prolonged brakings. This ensures a correct bedding-in of the pads on the brake disc.
- ◆ During the first 500 km (312 mi) never exceed 4000 rpm.
- ◆ When the total number of km covered by the vehicle is included between 500 km (312 mi) and 1000 km (625 mi), never exceed 5000 rpm.

## ⚠ WARNING

After the first 1000 km (625 mi), have an **aprilia** Official Dealer carry out the checks indicated in the column “After running-in” of the regular service intervals chart, see p. 56 (REGULAR SERVICE INTERVALS CHART), in order to avoid hurting yourself or other people and/or damaging the vehicle.

- ◆ Between the first 1000 (625 mi) and 2000 km (1250 mi) drive more briskly, change speed and use the maximum acceleration only for a few seconds, in order to ensure better coupling of the components; never exceed 5500 rpm (see table).
- ◆ After the first 2000 km (1250 mi) you can expect better performance from the engine, however, without exceeding the maximum allowed (6250 rpm).

Engine maximum rpm recommended	
Mileage km (mi)	rpm
0 – 500 (0 – 312)	4000
500 – 1000 (312 – 625)	5000
1000 – 2000 (625 – 1250)	5500
over 2000 (1250)	6250



## STOPPING

### ⚠ WARNING

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

- ◆ Release the throttle grip (1) (Pos.A), gradually put on the brakes and at the same time shift down in order to decrease the speed, see p. 47 (DEPARTURE AND DRIVE).

Once the speed has decreased, before stopping the vehicle:

- ◆ Pull the clutch lever (2) in order to prevent the stopping of the engine.

When the vehicle has come to rest:

- ◆ Shift the gear lever to neutral (green warning light "N" on).
- ◆ Release the clutch lever (2).
- ◆ In case of a brief stop, keep at least one brake on.

## PARKING

It is very important to choose a suitable parking area, respecting the road signs and the indications given below.

### ⚠ 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 get too near the cooling fan even if it is not in operation, since it may start and parts of clothes, hair, etc. may get entangled in it.

### ⚠ WARNING

The fall or excessive inclination of the vehicle may cause the fuel to flow out of the tank.

The fuel used for internal combustion engines is extremely inflammable and in particular conditions it can become explosive.

### ⚠ CAUTION

Do not apply the load of your weight or of the passenger's weight onto the side stand.

To park the vehicle:

- ◆ Choose a suitable parking area.
- ◆ Stop the vehicle, see p. 51 (STOPPING).
- ◆ Move the engine stop switch (3) to position "X".
- ◆ Rotate the key (4) and move the ignition switch (5) to position "X".



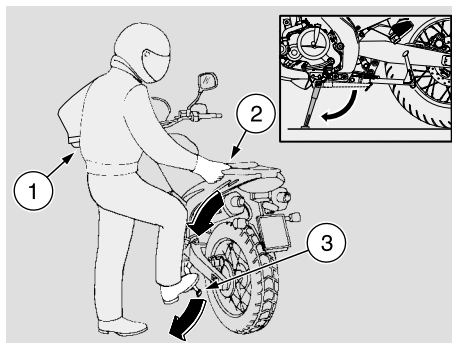
### **⚠ WARNING**

**When getting on or off the vehicle, keep to the instructions given, see p. 40 (GETTING ON AND OFF THE VEHICLE).**

- ◆ Following the indications, wait until the passenger has got off the vehicle before dismounting.
- ◆ Lock the steering, see p. 21 (STEERING LOCK) and extract the key.

### **⚠ WARNING**

**Make sure that the vehicle is stable.**



### **POSITIONING THE VEHICLE ON THE STAND**

#### **SIDE STAND**

To place the vehicle on the side stand while seated astride the vehicle, see p. 40 (GETTING ON AND OFF THE VEHICLE).

If any manoeuvre (for example, moving the vehicle) required the lifting of the stand, to place the vehicle on the stand again, proceed as follows:

### **⚠ WARNING**

**Make sure that the parking surface is free from obstacles, firm and flat.**

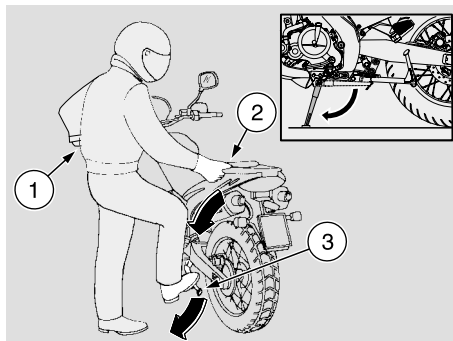
- ◆ Choose a suitable parking area, see p. 51 (PARKING).
- ◆ Grasp the left grip (1) and the handle (2).



- ◆ Press the side stand with your right foot and extend 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.**



**CENTRE STAND OPT** (supplied as standard equipment in the countries where required)

### ⚠ WARNING

It is forbidden to position the vehicle on the centre stand while seated astride the vehicle in riding position.

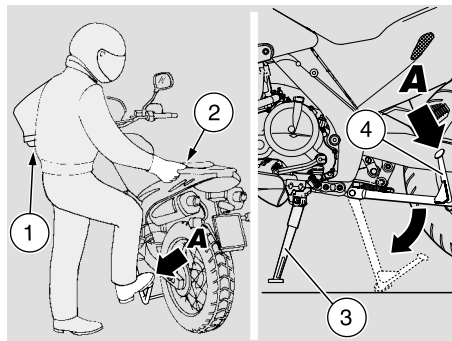
### ⚠ WARNING

Make sure that the parking surface is free from obstacles, firm and flat.

- ◆ Choose a suitable parking area, see p. 51 (PARKING).
- ◆ Grasp the left grip (1) and the handle (2).

### ⚠ CAUTION

The lowering of the side stand is suggested, for safety reasons, in order to prevent the vehicle from falling down or overturning in case of unbalance.



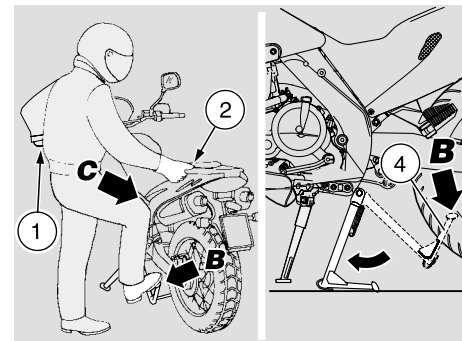
**NOTE** Do not let the side stand touch the ground. Keep the vehicle in vertical position.

- ◆ Press the side stand with your right foot and extend it completely (3).
- ◆ Push down the lever (4) (Pos.A) of the centre stand and make it rest on the ground.

### ⚠ CAUTION

Proceed with care.

The positioning of the vehicle on the centre stand may be difficult, since the vehicle is very heavy. Release the grip (1) and the handle (2) only after positioning the vehicle on the stand.

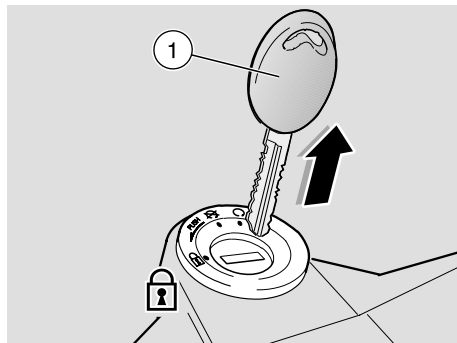


- ◆ Load your weight on the lever (4) (Pos.B) of the centre stand and at the same time move your centre of gravity towards the rear part of the (Pos.C) vehicle.

### ⚠ WARNING

Make sure that the vehicle is stable.

- ◆ Let the side stand up.



## SUGGESTIONS TO PREVENT THEFT

NEVER leave the ignition key (1) inserted and always use the steering lock "🔒".

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

When possible, use 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 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 in the use/maintenance manual.