

APRILIA WOULD LIKE TO THANK YOU

for choosing one of its products. We have drawn up this booklet to provide a comprehensive overview of your vehicle's quality features. Please read it carefully before riding the vehicle for the first time. It contains information, tips and precautions for using your vehicle. It also describes features, details and devices to assure you that you have made the right choice. We believe that if you follow our suggestions, you will soon get to know your new vehicle well and will use it for a long time at full satisfaction. This booklet is an integral part of the vehicle, and should the vehicle be sold, it must be transferred to the new owner.

SCARABEO 125 i.e - 200 i.e.

The Aprilia logo, consisting of the word "aprilia" in a white, lowercase, sans-serif font, centered within a solid red rectangular background.

The instructions given in this manual are intended to provide a clear, simple guide to using your vehicle; it also describes routine maintenance procedures and regular checks that should be carried out on the vehicle at an **Aprilia Dealer or Authorised Workshop**. The booklet also contains instructions for simple repairs. Any operations not specifically described in this booklet require the use of special tools and/or particular technical knowledge: for these operations, please take your vehicle to an **Aprilia Dealer or Authorised Workshop**.



Personal safety

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



Safeguarding the environment

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



Vehicle intactness

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

*The symbols illustrated above are very important. They are used to highlight parts of the booklet that should be read with particular care. The different symbols are used to make each topic in the manual simple and quick to locate. Before starting the engine, read this booklet carefully, particularly the "SAFE RIDING" section. Your safety as well as other's does not only depend on the quickness of your reflexes and agility, but also on how well you know your vehicle, the state of maintenance of the vehicle itself and your knowledge of the rules for SAFE RIDING. For your safety, get to know your vehicle well so as to safely ride and master it given any riding condition. **IMPORTANT** This booklet is an integral part of the vehicle, and must be handed to the new owner in the event of sale.*

INDEX

GENERAL RULES	7	MAINTENANCE	53
Information to recycle the scooter.....	8	Engine oil level.....	54
VEHICLE	11	Engine oil level check.....	55
Arrangement of the main components.....	14	Engine oil top-up.....	57
Dashboard.....	15	Warning light (insufficient oil pressure).....	57
Analogue instrument panel.....	16	Engine oil change.....	58
Digital lcd display.....	21	Hub oil level.....	58
"MODE" button.....	22	Tyres.....	59
Key switch.....	22	Spark plug dismantlement.....	60
Locking the steering wheel.....	23	Removing the air filter.....	63
Switch direction indicators.....	24	Air filter cleaning.....	64
Horn button.....	25	Cooling fluid level.....	65
Light switch.....	25	Checking the brake oil level.....	69
Start-up button.....	26	Battery.....	72
Mapping selection.....	26	Use of a new battery.....	76
Power supply socket.....	27	Long periods of inactivity.....	77
Opening the saddle.....	27	Fuses.....	77
Identification.....	28	Lamps.....	80
Rear top box opening.....	29	Front light group.....	82
Bag clip.....	30	Headlight adjustment.....	85
USE	31	Front direction indicators.....	85
Checks.....	32	Rear optical unit.....	88
Refuelling.....	34	Number plate light.....	89
Shock absorber adjustment.....	36	Rear-view mirrors.....	90
Running in.....	37	Front and rear disc brake.....	90
Starting up the engine.....	38	Inactivity of the vehicle.....	92
Precautions.....	41	Cleaning the vehicle.....	94
Difficult start up.....	44	Transport.....	96
Stopping the engine.....	44	TECHNICAL DATA	99
Catalytic silencer.....	46	Kit equipment.....	104
Stand.....	47	PROGRAMMED MAINTENANCE	105
Suggestions to prevent theft.....	47	Scheduled maintenance table.....	106
Safe driving.....	48	SPECIAL FITTINGS	111

Sidestand.....	112
Luggage rack.....	112
Windscreen.....	113

SCARABEO 125 i.e - 200 i.e.

aprilia



Chap. 01
General rules



Information to recycle the scooter (01_01, 01_02)

VEHICLE SCRAPPING

If the vehicle must be scrapped, contact your nearest "Vehicles Disposal Centre".

- Vehicles Disposal Centres

These centres are specifically used to correctly treat the vehicles scrapping, they are registered by the Japan Mini Vehicles Association as centres for the specific treatment of scrapping material on a large scale. These centres show the following wording: "Authorised centre for vehicles disposal".

- Vehicle recycling cost

The proper recycling process of vehicle to be scrapped has a cost.

If the vehicle is equipped with the seal "Vehicles recycling", the recycling fee should not be paid because the cost is already included in the retail price suggested by the manufacturer.

Transportation and collection costs, however, are not included. Therefore, the collection costs from the customer and the transportation costs to the disposal centres or to the designated collection centres are charged to the customer. As regards this, request information to the nearest scrapping centre.

- "Vehicle recycling" seal

This vehicle has the "Vehicle recycling" seal. When scrapping, it is necessary to check this seal. Never delete it from the vehicle body. The seal cannot be reassigned or sold separately after purchase, even if damaged.

- Position of the recycling seal

It is usually located close to the chassis number or under the seat.

- Questions regarding the vehicle scrapping

Contact your nearest vehicle disposal centre or the following organisations.

Japan Automobile Recycling Promotion Centre

Home page:

<http://www.jarc.or.jp/>

Japan Automobile Recycling Promotion Centre call centre for vehicles recycling

Telephone: 03-3598-8075

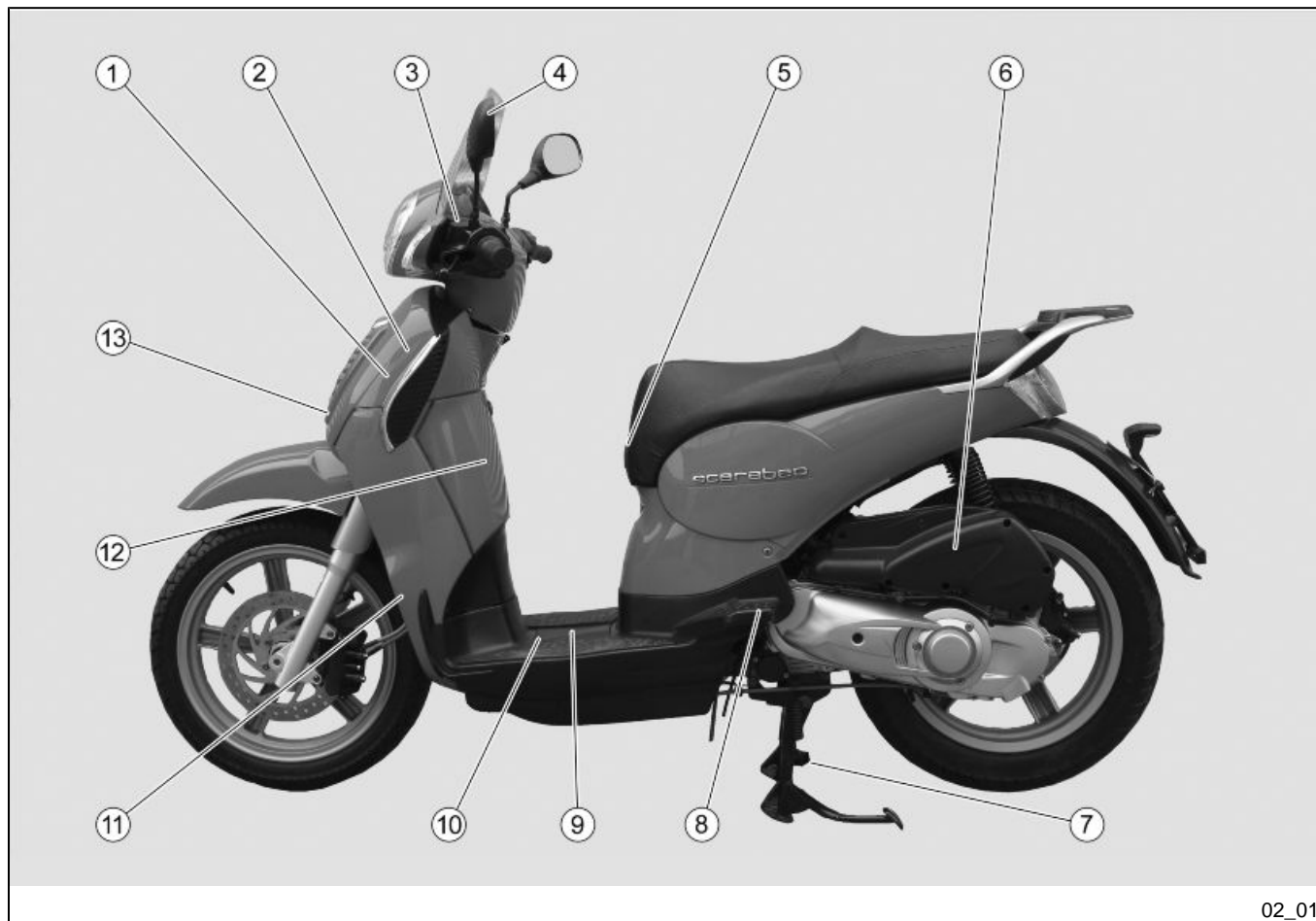
Time: From 9:30 am to 5:00 pm (Except holidays, weekends and the first and last day of the year.)

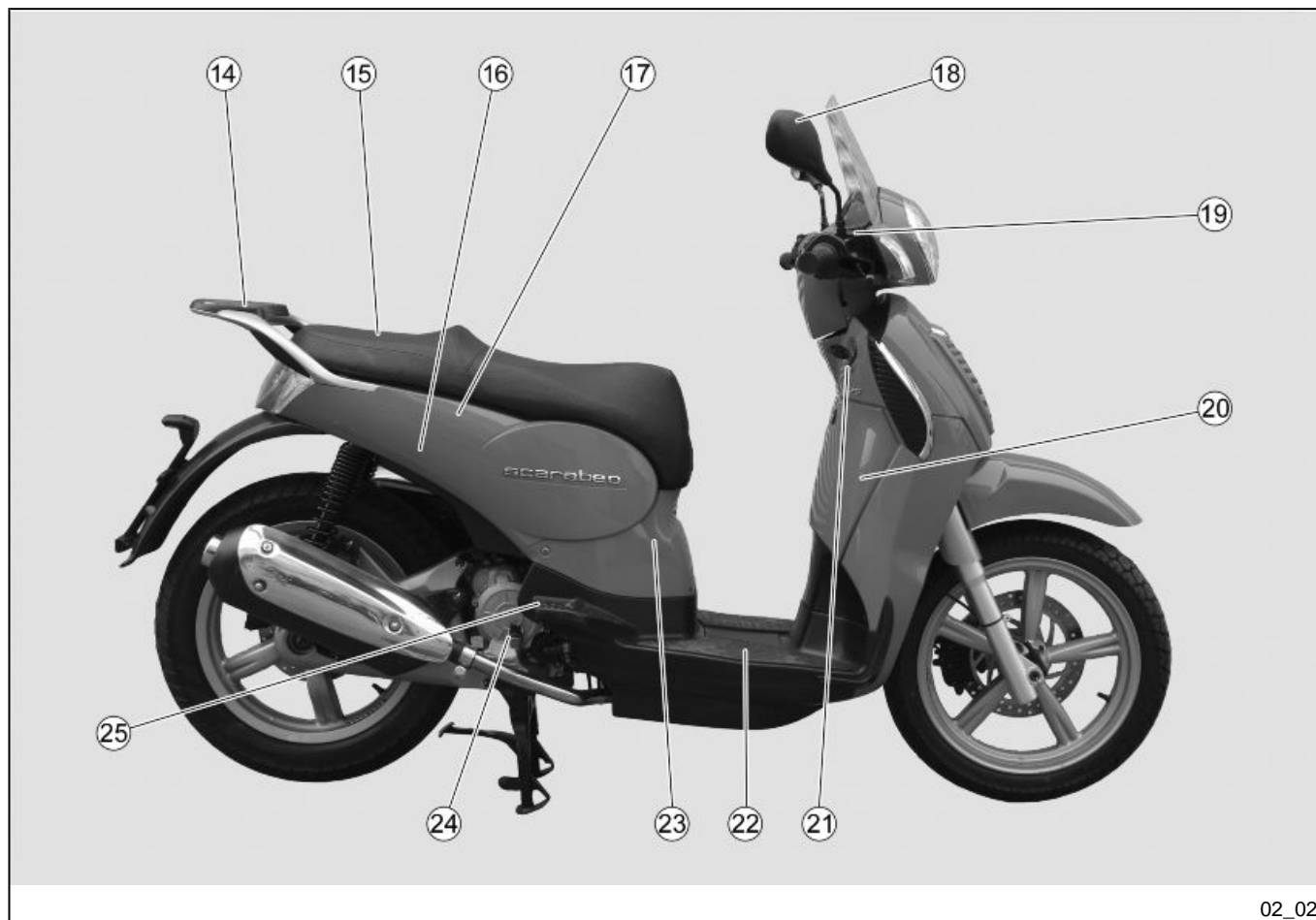
SCARABEO 125 i.e - 200 i.e.

aprilia



**Chap. 02
Vehicle**





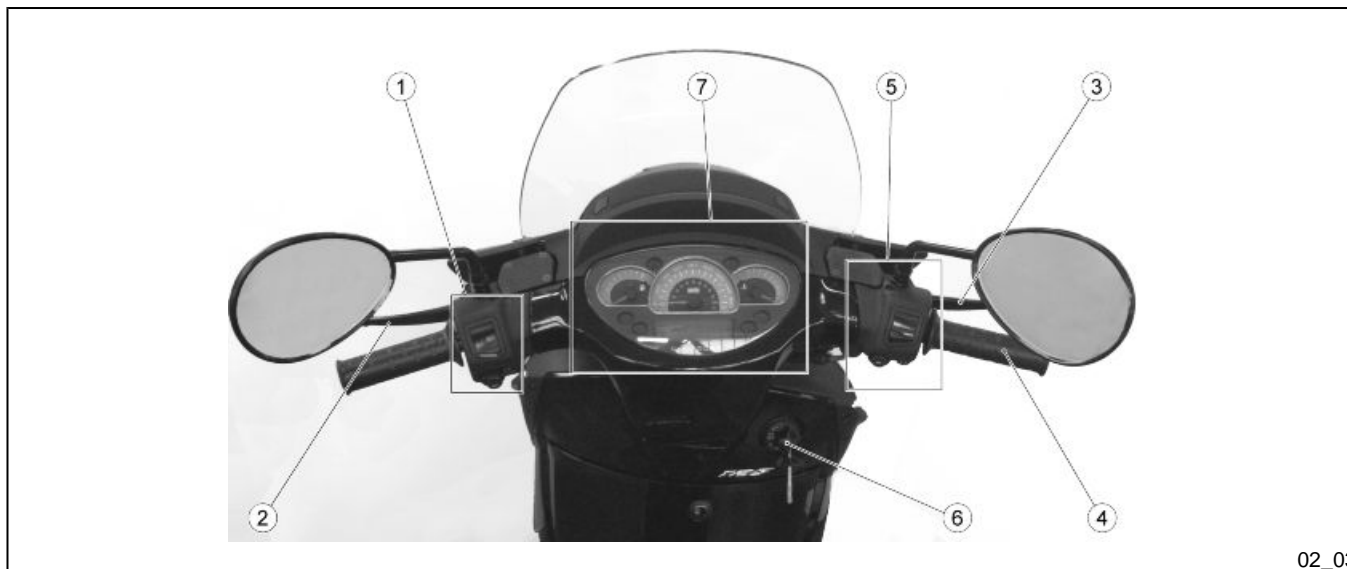
Arrangement of the main components (02_02)

KEY:

1. Expansion tank
2. Coolant expansion tank cap
3. Rear brake fluid reservoir
4. Left rear-view mirror
5. Bag hook
6. Air filter
7. Centre stand
8. Left passenger footrest
9. Battery
10. Main and secondary fuse boxes
11. Horn
12. Chassis number
13. Front case
14. Passenger handgrip
15. Saddle
16. Fuel tank
17. Fuel tank cap
18. Right rear-view mirror
19. Front brake liquid tank
20. Glove-box
21. Ignition switch/steering lock/saddle opening

22. Battery compartment cover
23. Spark plug
24. Engine oil refill cap
25. Right passenger footrest

Dashboard (02_03)



KEY

1. Electrical controls on the left-hand side of the handlebar
2. Rear brake lever
3. Front brake lever
4. Throttle grip
5. Electrical controls on the right-hand side of the handlebar
6. Ignition switch / steering lock (**ON - OFF - LOCK**) / saddle opening
7. Instruments and gauges

Analogue instrument panel (02_04)



02_04

KEY

1. Blue high beam warning light
2. Green turn indicator warning light
3. Fuel gauge
4. Orange low fuel warning light
5. Speedometer
6. Coolant temperature warning light
7. Coolant temperature gauge
8. Red oil pressure warning light

9. Multifunction indicator: total odometer (ODO) / two trip odometers (ODO I - ODO II) / battery voltage / external temperature with ice indication (ice icon illuminates at temperatures below 4°C (39.2°F))
10. Service indicator
11. Digital clock
12. Electronic fuel injection check warning light (red)

INSTRUMENT AND GAUGE DESCRIPTION

NOTE

WITH THE KEY SET TO «ON», ALL THE PRE-INSTALLED WARNING LIGHTS, INSTRUMENT PANEL LIGHTING AND ALL THE INDICATORS IN DIGITAL DISPLAY TURN ON FOR THE FIRST THREE SECONDS FOR AN INITIAL INSTRUMENT CHECK.

High beam warning light «1»

Turns on when the front headlamp high beam bulb is activated or when the high beam light is flashed (PASSING).

Turn indicator warning light «2»

Flashes when in right or left turning mode.

If the turn indicator breaks down, the warning light flashing frequency doubles. Replace light bulb if this occurs.

Fuel gauge «3»

Shows the approximate fuel level in the tank.

Low fuel warning light «4»

Turns on when there is a 2-litre fuel reserve in the tank.

If this occurs, refill the tank as soon as possible.

Speedometer «5»

Shows riding speed.

Coolant high temperature warning light «6»

Turns on when the coolant temperature indicator reaches very high values. Stop the engine at once and check the coolant level.

Coolant temperature gauge «7»

Shows the approximate temperature of the coolant in the engine. The normal operating temperature is reached when the needle is at central area of the scale. If it is not at the central area, do not over demand the motorcycle. If the needle reaches the last segment, stop the engine and check the coolant level.

CAUTION

IF THE TEMPERATURE EXCEEDS THE MAXIMUM ALLOWED FOR A LONG TIME, THE ENGINE CAN BE SERIOUSLY DAMAGED.

Engine oil pressure warning light «8»

Displayed to indicate low engine oil pressure. If this occurs, stop the engine at once and contact an Official **Aprilia** Dealer.

With engine off, the warning light is always on. If it turns off, there is a failure in the sensor or the connections.

The warning light must go off after the engine starts.

Multifunction indicator «9»

It displays the total odometer (ODO) or the two trip odometers (ODO I - ODO II), the battery voltage or the ambient temperature.

Service icon «10»

When the vehicle is started and right after the initial check, there are less than 300 km (186 mi) left to the next service, the specific icon flashes for 5 seconds and turns off.

The icon illuminates at 1,000 km (621 mi); 12,000 km (7,456 mi); 24,000 km (14,912 mi) and afterwards at multiples of 12,000 km (7,456 mi).

Once the service mileage has been reached, the icon remains steadily on until it is reset.

Digital clock «11»

Shows current hours and minutes.

Electronic fuel injection check warning light «12»

Turns on for about three seconds every time the ignition switch is set to «**ON**» and the engine does not start; this tests the injection system operation. The warning light should turn off as soon as the engine is started.

CAUTION

IF THE WARNING LIGHT TURNS ON WHILE THE ENGINE IS WORKING PROPERLY, THIS MEANS THAT THERE IS A FAILURE IN THE ELECTRONIC FUEL INJECTION SYSTEM. IF THIS OCCURS, STOP THE ENGINE AT ONCE AND CONTACT AN Aprilia Official Dealer.

Digital lcd display (02_05, 02_06)**Clock adjustment****NOTE**

FOR SAFETY REASONS, ADJUST THE CLOCK ONLY WHEN YOUR VEHICLE IS STOPPED.



02_05



02_06

When the total odometer (ODO) is shown on the multifunction display «1», press the MODE button «2» for more than three seconds. The colon dividing hours-minutes starts flashing.

Each time the MODE button «2» is pressed, the hour value is increased for adjustment.

Pressing the MODE button «2» again longer than three seconds activates the minutes adjustment. The value displayed increases each time the MODE button «2» is pressed.

Press the MODE button «2» longer than three seconds to go back to the hour adjustment.

If no button is pressed within three seconds, the displays automatically exits the clock adjustment function.



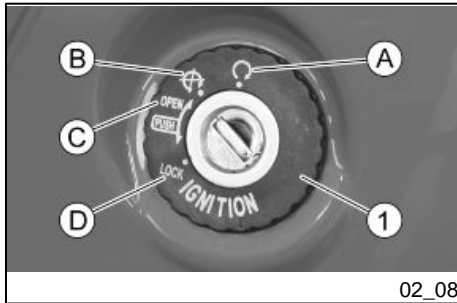
02_07

“MODE” button (02_07)

Press the MODE button «2» to shift the instrument panel display.

NOTE

ELECTRICAL COMPONENTS FUNCTION ONLY WHEN THE IGNITION KEY IS SET TO "ON"



02_08

Key switch (02_08, 02_09)

The ignition switch «1» is located on the right-hand side, near the headstock.

NOTE

KEY «2» ACTIVATES THE IGNITION SWITCH / STEERING LOCK AND THE SADDLE LOCK. TWO KEYS ARE SUPPLIED WITH THE VEHICLE (ONE IS A SPARE KEY).

NOTE

KEEP THE SPARE KEY IN DIFFERENT PLACE, NOT WITH THE VEHICLE.



SWITCH POSITIONS

ON «A»: The engine and lights can be set to work. The key cannot be extracted.

OFF «B»: The engine and lights cannot be set to work. The key may be removed.

OPEN «C»: The engine and lights cannot be set to work. The helmet compartment can be opened.

LOCK «D»: The steering is locked. It is not possible to start the engine or switch on the lights. The key may be removed.

Locking the steering wheel (02_10)

CAUTION

AVOIDING LOSING CONTROL OF THE VEHICLE - NEVER TURN THE KEY TO «LOCK» WHILE RIDING.

To lock the steering:

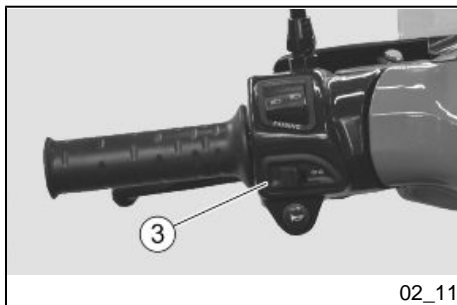
- Turn the handlebar fully to the left.
- Turn the key «2» to «OFF»

NOTE

TURN THE KEY AND MOVE THE HANDLEBAR AT THE SAME TIME.



- Press and turn the key «2» anticlockwise (to the left), move the handlebar slowly until the key «2» is set to «LOCK».
- Extract the key.

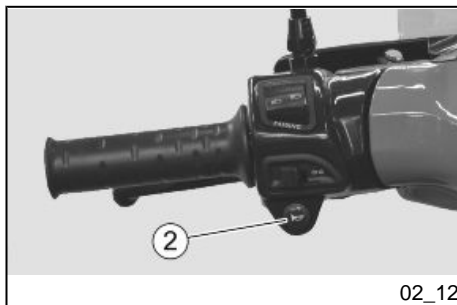


Switch direction indicators (02_11)

Move the switch «3» to the left, to indicate a left turn; move the switch «3» to the right, to indicate a right turn. Press the central part of the switch 3 to deactivate the turn indicator.

NOTE

ELECTRICAL COMPONENTS FUNCTION ONLY WHEN THE IGNITION KEY IS SET TO "ON"

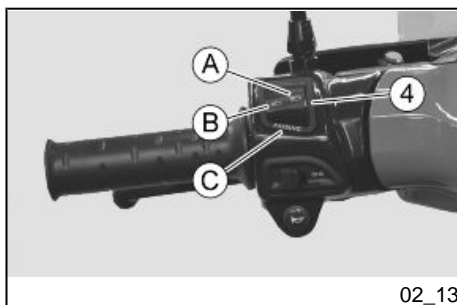


Horn button (02_12)

To action the horn, press button «2».

NOTE

ELECTRICAL COMPONENTS FUNCTION ONLY WHEN THE IGNITION KEY IS SET TO "ON"



Light switch (02_13)

If the light switch «4» is set to «A», the high beam light is activated; if it is set to «B», the low beam light is activated.

NOTE

ELECTRICAL COMPONENTS FUNCTION ONLY WHEN THE IGNITION KEY IS SET TO "ON"

PASSING button «C»

Press the PASSING button and the high beam light is flashed.

NOTE

RELEASING THE BUTTON «C» DEACTIVATES THE HIGH BEAM FLASH.



02_14

Start-up button (02_14)

Press the button and the starter motor spins the engine.

NOTE

ELECTRICAL COMPONENTS FUNCTION ONLY WHEN THE IGNITION KEY IS SET TO "ON"



02_15

Mapping selection (02_15)

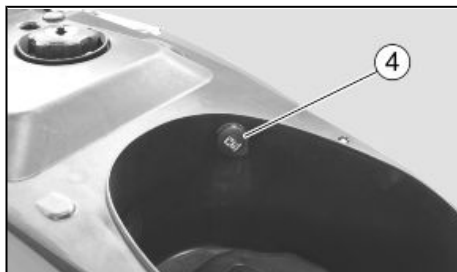
The control unit may have two different "mappings":

- **ECO** is for a low engine performance mapping to obtain low fuel consumption.
- **SPORT** is for a maximum engine performance mapping to the detriment of fuel consumption.

Mapping can be changed at any time.

CAUTION

DO NOT CHANGE MAPPING WHILE YOU ARE RIDING ALONG VERY BUSY STREETS OR WHEN GRIP CONDITIONS ARE NOT OPTIMUM.



02_16

Power supply socket (02_16)

- There is a 12V socket «4» inside the helmet compartment.
- The socket can be used to feed appliances with power below 180 W (mobile phones, hand lamp, etc.).

CAUTION



USING THIS SOCKET FOR A LONG PERIOD CAN RESULT IN A FULLY DISCHARGED BATTERY.



02_17

Opening the saddle (02_17, 02_18)

To unlock the saddle:

- Park the vehicle on its centre stand.
- Insert the key in the key switch.
- Turn the key «4» anticlockwise.
- Lift the saddle «5».
- To lock the saddle, lower and press it (without forcing it) to trip the lock.

CAUTION



BEFORE SETTING OFF, MAKE SURE THAT THE SADDLE IS CORRECTLY LOCKED INTO POSITION.



Identification (02_19, 02_20)

Write down the chassis and engine numbers in the specific space in this manual.

The chassis number can be used to order spare parts.

NOTE



ALTERING IDENTIFICATION NUMBERS CAN BE SERIOUSLY PUNISHED BY LAW, PARTICULARLY MODIFYING THE CHASSIS NUMBER WILL IMMEDIATELY INVALIDATE THE WARRANTY.



02_19

Chassis number

The chassis number is stamped on the chassis central bar. Remove the cover indicated to read it.

Chassis No.:

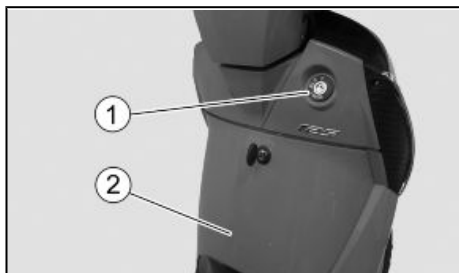


02_20

Engine number

The engine number is stamped near the rear shock absorber lower support.

Engine No.:



02_21

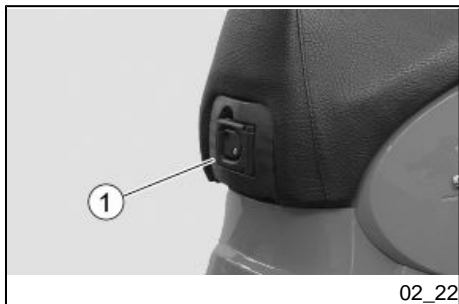
Rear top box opening (02_21)

Located below the handlebar, in the internal shield; to reach it:

- Insert the key «1» in the lock.
- Turn the key clockwise, pull it and open the cover «2».

NOTE

BEFORE LOCKING THE COVER, MAKE SURE THAT THE KEY HAS NOT BEEN LEFT INSIDE THE GLOVE-BOX.



Bag clip (02_22)

The bag hook «1» is under the saddle in the front part.

CAUTION



DO NOT HANG BULKY BAGS OR PACKAGES ON THE HOOK TO AVOID OBSTRUCTING VEHICLE HANDLING AND FEET MOVEMENT.

Characteristic

Maximum weight allowed:

1.5 kg.

SCARABEO 125 i.e - 200 i.e.

aprilia



Chap. 03
Use

Checks

CAUTION



BEFORE RIDING, ALWAYS PERFORM A PRELIMINARY CHECK OF THE VEHICLE FOR CORRECT AND SAFE OPERATION AS SHOWN IN THE TABLE. FAILURE TO DO SO MAY LEAD TO SEVERE INJURY OR VEHICLE DAMAGE.

DO NOT HESITATE TO CONTACT AN OFFICIAL APRILIA DEALER IF YOU DO NOT UNDERSTAND HOW SOME CONTROLS WORK OR IF MALFUNCTION IS DETECTED OR SUSPECTED.

CHECKS DO NOT TAKE LONG AND RESULT IN ENHANCED SAFETY.

PRE-RIDE CHECKS

Front and rear disc brake	Check for proper operation. Check brake lever empty travel and brake fluid level. Check for leaks. Check brake pads for wear. If necessary, top-up the brake fluid.
Brake levers	Check they function smoothly. Lubricate the joints if necessary.
Throttle grip	Check that the throttle functions smoothly and can be fully opened and closed in all steering positions.
Wheels/ tyres	Check that tyres are in good condition. Check inflation pressure

and check for tyre wear and damage.

Steering	Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.
Centre stand	<p>Check that it works smoothly and it goes back to its normal position when the springs are released.</p> <p>Lubricate couplings and joints if necessary.</p>
Clamping elements	<p>Check that the clamping elements are not loose.</p> <p>Adjust or tighten them as required.</p>
Fuel tank	<p>Check the coolant level and refill if necessary.</p> <p>Check the circuit for leaks or obstructions.</p> <p>Check that the tank cap closes correctly.</p>
Coolant	Fluid level inside the expansion tank should be between the « MIN » and « MAX » reference marks.
Lights, warning lights, injection telltale light, horn and electrical devices	Check the correct operation of the horn and lights. Replace the bulbs or intervene in case of failure.
Injection pump	Check that it works properly.

Refuelling (03_01)

CAUTION



FUEL USED TO DRIVE EXPLOSION ENGINES IS HIGHLY INFLAMMABLE AND CAN BECOME EXPLOSIVE UNDER SPECIFIC CONDITIONS.

CARRY OUT REFILLING AND MAINTENANCE PROCEDURES IN A WELL-VENTILATED PLACE AND WITH THE ENGINE OFF.

DO NOT SMOKE WHILE REFUELLING OR WHEN CLOSE TO FUEL VAPOURS, AVOID CONTACT WITH NAKED FLAMES, SPARKS OR ANY OTHER SOURCE THAT MAY CAUSE FUEL TO CATCH FIRE OR EXPLODE.

AVOID SPILLING FUEL OFF THE FILLER AS IT MAY CATCH FIRE IN CONTACT WITH THE ENGINE HOT SURFACES. IN CASE OF ACCIDENTAL FUEL SPILLS, CHECK THAT THE AREA IS COMPLETELY DRY BEFORE STARTING THE MOTORCYCLE.

FUEL EXPANDS WHEN EXPOSED TO HEAT OR SUN RAYS, THEREFORE BE CAREFUL AND DO NOT REFILL THE FUEL UP TO THE TOP.

CLOSE THE CAP ADEQUATELY AFTER REFUELLING. BE CAREFUL FUEL DOES NOT GET INTO CONTACT WITH YOUR SKIN, DO NOT INHALE VAPOURS OR SWALLOW FUEL. DO NOT TRANSFER FUEL FROM ONE CONTAINER TO ANOTHER USING A HOSE.

CAUTION



DO NOT DISPOSE OF FUEL INTO THE ENVIRONMENT.

CAUTION

KEEP OUT OF THE REACH OF CHILDREN.

Use premium unleaded petrol, minimum octane rating 95 (NORM) and 85 (NOMM)

To refuel:

- Lift the saddle.
- Unscrew and remove fuel tank cap «1».
- Refuel.
- Refit the cap «1».

DO NOT ADD ADDITIVES OR ANY OTHER SUBSTANCES TO THE FUEL.

WHEN USING A FUNNEL OR ANY OTHER ELEMENT, MAKE SURE IT IS PERFECTLY CLEAN.

NOTE

AFTER REFUELLING, REFIT THE FUEL TANK CAP «1» ADEQUATELY.

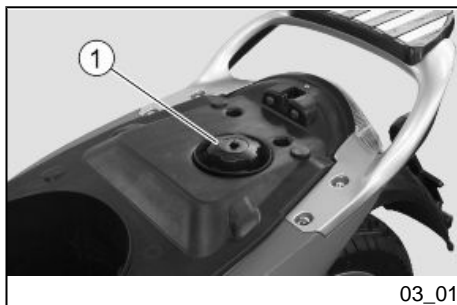
Characteristic

Fuel tank capacity (including reserve):

8.5 l

Fuel tank reserve:

~ 2 l



03_01

Shock absorber adjustment (03_02, 03_03)

Check oil and oil seal of front suspension following the instructions on the scheduled maintenance table.

CAUTION

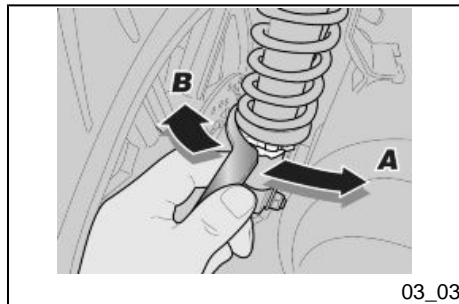
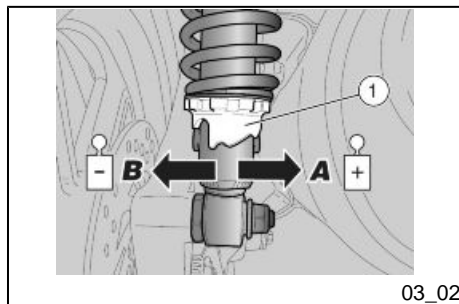


TO HAVE THE FRONT SUSPENSION OIL CHANGED TAKE YOUR MOTORCYCLE TO AN Official Aprilia Dealer WHO WILL PROVIDE A PRECISE AND PROMPT SERVICE.

- Turn the adjustment ring nut «1» (shock absorber spring preloading adjustment).

NOTE

CARRY OUT THE ADJUSTMENT ON BOTH REAR SHOCK ABSORBERS.



Turn the ring nut in direction **A**: Increase spring preloading. The vehicle suspension is very hard. To be used on roads with even or ordinary surfaces and when riding with passenger.

Turn the ring nut in direction **B**: Decrease spring preloading. The motorcycle suspension is very soft. To be used on uneven roads and when riding without passenger.

Running in

Engine run-in is essential to ensure engine long life and correct operation. If possible, ride on roads with lots of bends and/or slopes to test that the engine, suspensions and brakes perform efficiently.

Follow these indications:

- Do not twist the throttle grip fully at low rpm whether during or after run-in.
- **0-100 km (0-62 miles)** During the first 100 km (62 miles) operate the brakes with caution to avoid rough and long braking. That is to permit the adequate adjustment of the pad friction material to the brake disc.
- **0-500 km (0-312 miles)** During the first 500 km (312 miles) do not ride the scooter over 80% of the predetermined maximum speed.
- Avoid keeping a constant speed along long sections of road.
- **After the first 1000 km (625 miles)**, gradually increase the speed until the maximum performance is reached.

CAUTION



ALWAYS SIGNAL CHANGES IN DIRECTION WITH THE APPROPRIATE DEVICES AND WELL IN ADVANCE, AVOID ABRUPT AND DANGEROUS MANOEUVRES. TURN OFF THE DEVICES IMMEDIATELY AFTER THE CHANGE IN DIRECTION. WHEN OVERTAKING OR BEING OVERTAKEN BY OTHER VEHICLES RIDE WITH EXTREME CAUTION. WHEN IT RAINS, SPRAY CAUSED BY LARGE VEHICLES REDUCES VISIBILITY; AIR SHIFTS MAY CAUSE LOSS OF CONTROL ON YOUR MOTORCYCLE.

CAUTION



AFTER THE FIRST 1000 KM (625 MILES) IN OPERATION, PERFORM THE CHECKS INDICATED IN THE SCHEDULED MAINTENANCE CHART TO AVOID INJURIES TO YOURSELF, OTHERS AND/OR DAMAGING THE VEHICLE.

NOTE

ONLY AFTER THE FIRST RUN-IN 1000 KM (625 MILES) IT IS POSSIBLE TO ATTAIN THE BEST SPEED AND ACCELERATION PERFORMANCE OF YOUR MOTORCYCLE.

Starting up the engine (03_04, 03_05, 03_06)

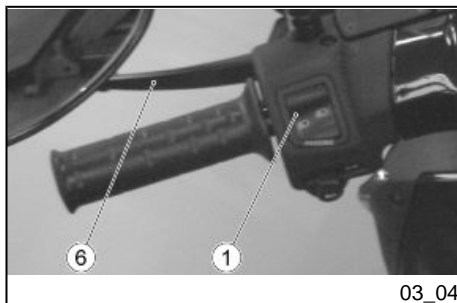
CAUTION



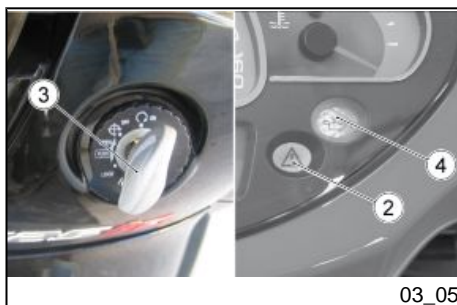
EXHAUST FUMES CONTAIN CARBON MONOXIDE, AN EXTREMELY HARMFUL SUBSTANCE IF INHALED. NEVER START THE ENGINE IN CLOSED OR NOT WELL-VENTILATED ROOMS.

FAILURE TO OBSERVE THIS WARNING COULD LEAD TO UNCONSCIOUSNESS AND EVEN DEATH CAUSED BY SUFFOCATION.

DO NOT CLIMB ON THE VEHICLE TO START IT UP. DO NOT START THE ENGINE WHILE THE VEHICLE RESTS ON ITS SIDE STAND.



- To start-up the engine, rest the vehicle on its centre stand.
- Make sure light switch «1» is set to low beam.



- Turn key «3».



NOW:

THE ENGINE OIL PRESSURE WARNING LIGHT "4" TURNS ON THE INSTRUMENT PANEL AND REMAINS SO UNTIL THE ENGINE STARTS UP.

THE INJECTION CHECK WARNING LIGHT «2» REMAINS ON FOR THREE SECONDS ON THE INSTRUMENT PANEL AFTER ALL THE OTHER WARNING LIGHTS HAVE TURNED OFF.

IF THIS WARNING LIGHT DOES NOT TURN ON OR IF AFTER THREE SECONDS THE WARNING LIGHTS DO NOT TURN OFF, CONTACT AN Official Aprilia Dealer.

- Block at least one wheel, by operating one brake lever "6". If this does not occur, it means there is no current in the ignition relay and the engine does not start. »



03_06

NOTE

IF THE MOTORCYCLE IS NOT USED FOR A LONG TIME, FOLLOW THE PROCEDURE FOR STARTING THE ENGINE AFTER PROLONGED INACTIVITY.

NOTE

TO AVOID EXCESSIVE BATTERY CONSUMPTION, DO NOT HOLD DOWN THE STARTER BUTTON «7» MORE THAN FIVE SECONDS (TEN WHEN STARTING UP AFTER PROLONGED INACTIVITY). IF THE ENGINE FAILS TO START AFTER THIS TIME, WAIT TEN SECONDS AND REPEAT THE PROCEDURE.

CAUTION



NEVER PRESS THE STARTER BUTTON «7» WHEN THE ENGINE IS ALREADY RUNNING: DOING SO MAY DAMAGE THE STARTER MOTOR.

NOTE

PRESS THE STARTER BUTTON «7» WITHOUT OPENING THE THROTTLE AND RELEASE IT AS SOON AS THE ENGINE STARTS.

CAUTION



WHEN THE ENGINE IS RUNNING, THE ENGINE OIL PRESSURE WARNING LIGHT "4" SHOULD TURN OFF. IF THE WARNING LIGHT STAYS ON OR TURNS ON WHILE THE ENGINE IS WORKING PROPERLY THIS MEANS THAT THE OIL PRESSURE IN THE CIRCUIT IS NOT ENOUGH. SHOULD THIS OCCUR, STOP THE ENGINE AT ONCE AND CONTACT AN aprilia Official Dealer. NEVER USE THE VEHICLE WITH LOW ENGINE OIL SO AS TO AVOID DAMAGING ENGINE PARTS.

- Engage at least one brake lever and do not accelerate until you set off.

CAUTION

DO NOT SET OFF SUDDENLY WHEN THE ENGINE IS COLD.

TO MINIMISE THE EMISSION OF AIR POLLUTING SUBSTANCES AND FUEL CONSUMPTION, WARM UP THE ENGINE BY RIDING THE FIRST KILOMETRES AT A LIMITED SPEED.

Precautions (03_07, 03_08, 03_09)**CAUTION**

IF THE LOW FUEL WARNING LIGHT «8» ON THE INSTRUMENT PANEL TURNS ON WHILE YOU ARE RIDING THE VEHICLE, THIS MEANS THERE IS STILL SOME FUEL LEFT.

REFUEL AS SOON AS POSSIBLE.



03_07



03_08

To set off:

- Release the handle grip, operate the rear brake and take the vehicle off the stand.
- Get on the vehicle and, for stability reasons, keep at least one foot on the ground.
- Adjust the rear-view mirror angle correctly.



03_09

CAUTION

WITH THE VEHICLE AT A STANDSTILL, PRACTICE USING THE REAR-VIEW MIRRORS. THE MIRRORS ARE CONVEX, SO OBJECTS MAY SEEM FARTHER AWAY THAN THEY REALLY ARE. THESE MIRRORS OFFER A WIDE-ANGLE VIEW AND ONLY EXPERIENCE HELPS YOU JUDGE THE DISTANCE SEPARATING YOU AND THE VEHICLE BEHIND.

- Release the brake lever and accelerate, gradually twisting the handle grip (Pos. B); the vehicle will start moving forward.

CAUTION

DO NOT ACCELERATE AND DECELERATE REPEATEDLY AND CONTINUOUSLY AS YOU MAY INADVERTENTLY LOSE CONTROL OF YOUR VEHICLE.

IF YOU HAVE TO BRAKE, DECELERATE AND OPERATE BOTH BRAKES TO OBTAIN A UNIFORM BRAKING, CAREFULLY ACTIVATING THE BRAKING PARTS IN AN ADEQUATE MANNER.

OPERATING ONLY THE FRONT BRAKE SIGNIFICANTLY DIMINISHES BRAKING POWER. A WHEEL MAY GET BLOCKED RESULTING IN LACK OF GRIP. IN CASE

OF STOP IN ASCENT, FULLY DECELERATE AND ONLY USE THE BRAKES TO KEEP THE VEHICLE STOPPED. USING THE ENGINE TO KEEP THE VEHICLE STOPPED MAY CAUSE THE VARIATOR TO OVERHEAT.

CAUTION

BEFORE GETTING INTO A BEND, REDUCE SPEED OR BRAKE; WHILE BENDING, RIDE AT THE SAME MODERATE AND CONSTANT SPEED OR SLIGHTLY ACCELERATE; DO NOT BRAKE IN EXCESS: THERE IS HIGH RISK OF SKIDDING.

BRAKING CONTINUOUSLY WHILE GOING DOWNHILL MAY RESULT IN FRICTION GASKET OVERHEATING AND CONSEQUENTLY IN POOR BRAKING. TAKE ADVANTAGE OF THE ENGINE COMPRESSION USING THE BRAKES ALTERNATIVELY. WHEN GOING DOWNHILL NEVER RIDE WITH THE ENGINE OFF. WHEN RIDING ON WET SURFACES OR WITH POOR GRIP (SNOW, ICE, MUD, ETC.) AT A MODERATE SPEED AVOIDING SUDDEN BRAKING OR MANOEUVRES THAT MAY LEAD TO LACK OF GRIP AND CONSEQUENTLY TO FALLS. PAY ATTENTION TO OBSTACLES ON OR VARIATIONS IN THE ROAD SURFACE. UNEVEN ROADS, RUTS, DRAINS, TRAFFIC SIGNS PAINTED ON THE ROADS, PIPEWORK METAL SHEETS MAY BECOME SLIPPERY WHEN IT RAINS. CROSS OVER THEM WITH EXTREME CAUTION, RIDE CAREFULLY AND INCLINE THE MOTORCYCLE THE LEAST POSSIBLE.

CAUTION

ALWAYS SIGNAL CHANGES IN DIRECTION WITH THE APPROPRIATE DEVICES AND WELL IN ADVANCE, AVOID ABRUPT AND DANGEROUS MANOEUVRES. TURN OFF THE DEVICES IMMEDIATELY AFTER THE CHANGE IN DIRECTION. WHEN OVERTAKING OR BEING OVERTAKEN BY OTHER VEHICLES RIDE WITH EXTREME CAUTION. WHEN IT RAINS, SPRAY CAUSED BY LARGE VEHICLES REDUCES VISIBILITY; AIR SHIFTS MAY CAUSE LOSS OF CONTROL ON YOUR MOTORCYCLE.



03_10

Difficult start up (03_10)

Press the starter button «7» and make the starter motor turn for about five seconds, without accelerating.

If due to particularly low temperatures the engine fails to start at the first attempt, slightly accelerate, press the starter button and release it as soon as the engine starts. Keep engine accelerated for a couple of seconds and afterwards release the handle grip.

STARTING AFTER PROLONGED INACTIVITY

- If the vehicle has been inactive for a long time, starting may be delayed as the fuel supply circuit may be partially empty.

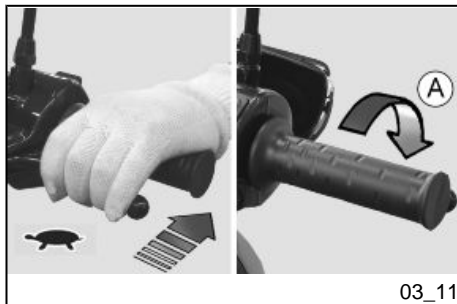
In this case:

- Press the starter motor «7» for about ten seconds.

Stopping the engine (03_11, 03_12)

CAUTION

WHENEVER POSSIBLE, AVOID ROUGH BRAKING, SUDDEN DECELERATION AND BRAKING IN EXCESS.



- Release the handle grip (**Pos. A**) and gradually operate the brakes to stop the vehicle.
- While at a temporary halt, keep at least one brake operated..

PARKING

CAUTION



PARK ON SAFE AND LEVEL GROUND TO PREVENT THE MOTORCYCLE FROM FALLING.

DO NOT LEAN THE MOTORCYCLE ON A WALL OR LAY ON THE GROUND.

MAKE SURE THE MOTORCYCLE AND SPECIALLY ITS HOT PARTS DO NOT POSE ANY RISK TO PEOPLE OR CHILDREN. DO NOT LEAVE YOUR MOTORCYCLE UNATTENDED WITH THE ENGINE ON OR THE KEY IN THE IGNITION SWITCH.

DO NOT SEAT ON THE MOTORCYCLE WHEN THE STAND IS LOWERED.

- Stop the vehicle.

**CAUTION**

WITH ENGINE OFF AND THE IGNITION SWITCH SET TO «ON» THE BATTERY MAY GET DISCHARGED.

- Turn key «2» and set ignition switch «1» to «OFF» .
- Rest the vehicle on its stand.

CAUTION

DO NOT LEAVE THE KEY INSERTED IN THE IGNITION SWITCH.

- Lock the steering and take out the key «2».

Catalytic silencer**CAUTION**

DO NOT TAMPER THE NOISE CONTROL SYSTEM.

Vehicle owners are warned that the law may prohibit the following:

- the removal of any device or element belonging to a new vehicle or any other action by anyone leading to render it non-operating, if not for maintenance, repair or replacement reasons, in order to control noise emission before the sale or delivery of the vehicle to the ultimate buyer or while it is used; and

- using the vehicle after that device or part has been removed or made non-operating.

Check the muffler/exhaust silencer and the silencer pipes, make sure there are no signs of rust or holes and that the exhaust system works properly. If exhaust noise increases, take your vehicle at once to an **Official Aprilia Dealer**.

Stand (03_13)

RESTING THE VEHICLE ON ITS STAND

CENTRE STAND

- Hold the left hand grip «4» with your left hand and the passenger handgrip «5» with your right hand.
- Push the stand lever «6» with your right foot.

CAUTION

MAKE SURE THE VEHICLE IS STABLE.



Suggestions to prevent theft

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

Park the motorcycle in a safe place such as a garage or a place with guards.

Whenever possible, use the Aprilia "Bodyguard" armoured cable or an additional anti-theft device.

Make sure all vehicle documents are in order and the road tax paid.

Write down your personal details and telephone number on this page to help identifying the owner in case of vehicle retrieval after a theft.

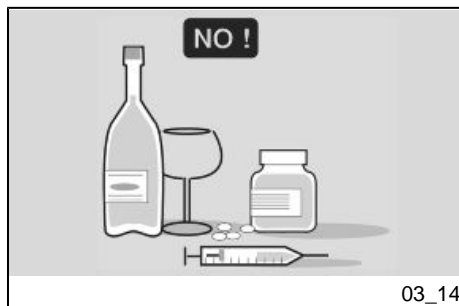
LAST NAME:

NAME:

ADDRESS:

TELEPHONE NO.:

IMPORTANT: In many cases, stolen vehicles can be identified through data indicated in the use and maintenance booklet.



Safe driving (03_14, 03_15, 03_16, 03_17, 03_18, 03_19, 03_20, 03_21, 03_22, 03_23, 03_24, 03_25)

MAIN SAFETY RULES

To ride the motorcycle it is necessary to comply with all legal requirements (driving license, minimum driving age, psychophysical performance, insurance, taxes and fees, registration, license plate, etc.).

You should practise using the motorcycle in traffic-free areas and/or private property until you have become thoroughly acquainted with the vehicle.

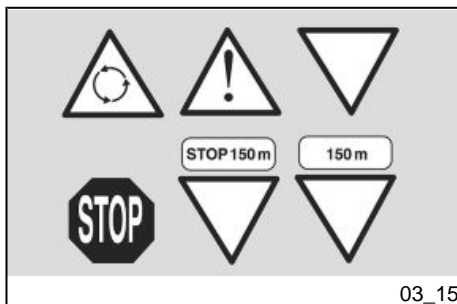
Driving under the influence of medication, alcohol and narcotic drugs or psychotropic substances dramatically increases the risk of accidents.

Do not ride your motorcycle if you feel tired or drowsy and always keep safe psychophysical riding conditions.

The main cause of motorcycle accidents is users' inexperience.

NEVER lend the vehicle to beginners and always make sure that the rider complies with all necessary requirements for a safe riding.

Strictly obey all national and local traffic signs and rules.



03_15

Avoid any abrupt and dangerous swerves for your own as well as others' safety (for example: rearing up on the back wheel, riding over the speed limit, etc.). Besides, always assess and bear in mind the road surface conditions, visibility, etc.

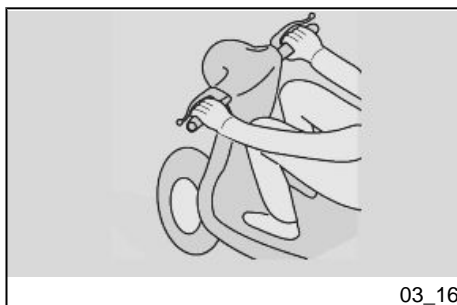
Do not knock obstacles that can damage the motorcycle or cause loss of control.

Do not ride on the course of the vehicle in front just to improve your own speed.

CAUTION



ALWAYS RIDE WITH BOTH HANDS ON THE HANDLEBAR AND FEET ON THE FOOTRESTS (OR THE RIDER' S FOOTRESTS) IN THE ADEQUATE RIDING POSITION.



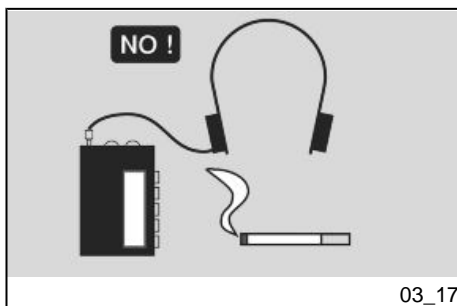
03_16

Never stand on your feet or stretch yourself while riding.

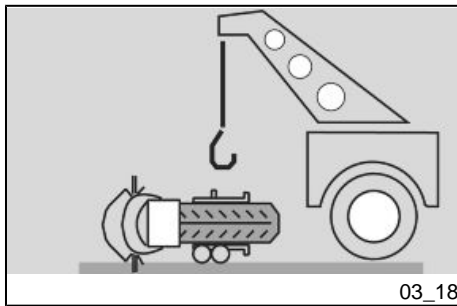
The rider should always be attentive, never get distracted or influenced by people, things or actions (never smoke, eat, drink, read, etc.) while riding.

Always use fuel and lubricants specific for the motorcycle, of the type recommended in the "LUBRICANTS TABLE". Check fuel, oil and coolant frequently for correct level.

In case of an accident or after the motorcycle has fallen down or suffered a sudden bump, make sure the control levers, piping, cables, brake circuit and main parts of the motorcycle have not been damaged.



03_17



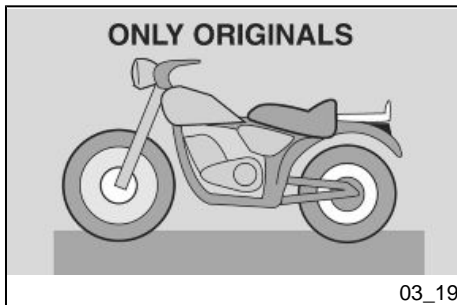
If necessary, take the motorcycle to an Official Aprilia Dealer to check especially the frame, handlebar, suspensions, safety components and any device the user cannot assess without the aid of a specialist.

Report any malfunction to the engineers and/or mechanics in order to facilitate their work.

Never ride the motorcycle if the damage jeopardises safety.

Do not modify the position, angle or colour of: license plate, turn indicators, lighting devices and horn.

Any changes to the motorcycle will void the warranty.



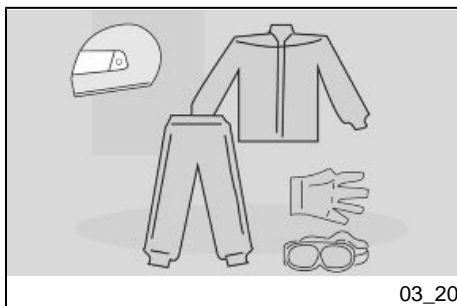
Any change introduced to the motorcycle and the removal of original parts may jeopardise the motorcycle performance and therefore reduce safety or even render the motorcycle inappropriate for legal riding.

Comply with all national and local laws and regulations on motorcycle equipment.

In particular do not introduce technical changes leading to improve performance and under no circumstances alter the original specifications of the vehicle.

Never race with vehicles.

Never ride off-road.

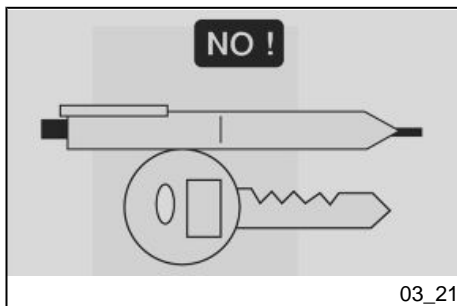


CLOTHING

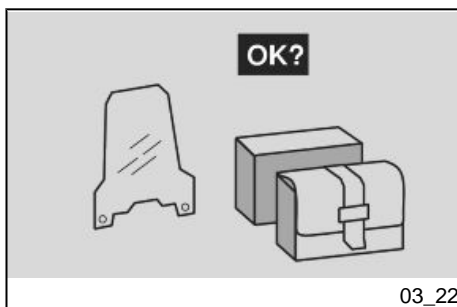
Before riding off, remember to put on the helmet and fasten it correctly. Make sure it is a homologated model, that it is undamaged, of the right size and that the visor is clean.

Wear appropriate protective clothes, preferably light-coloured and/or in reflective material. In this way you will be easily visible to other drivers, thus reducing the risk of being hit, and you will be better protected in case of falling.

Always wear tight-fitting clothes without open cuffs; avoid hanging strings, belts or ties; these or any other objects should not interfere with a safe riding when getting entangled with the riding elements or due to a special movement.



Never carry in your pockets objects that can be potentially dangerous in case of fall, like: pointed objects such as keys, pens, glass containers, etc. (the same rule applies to passengers).



ACCESSORIES

User is personally responsible for the installation and use of the accessories.

While assembling accessories, make sure that they do not cover the sound or light alarm devices or affect their correct functioning, do not limit the suspension travel or the steering angle, do not obstruct control actuation or reduce the ground clearance and inclination angle at corners.

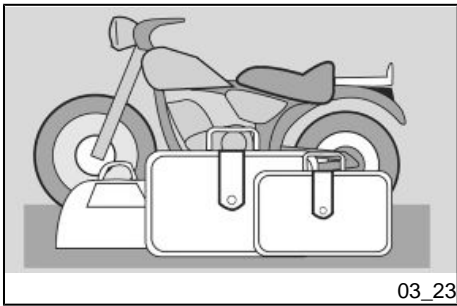
Do not use accessories that hinder access to the controls as they may increase the reaction time in case of an emergency.

Fairings and large windscreens fitted to the motorcycle may cause aerodynamic forces that affect the scooter stability while riding, mainly at high speeds.

Make sure the accessory is firm and secured to the scooter and that it does not pose any risks while riding the motorcycle.

Do not add or modify electrical equipment that exceed the vehicle capacity as this may result in a sudden stop or a dangerous lack of power required to keep the sound and light alarm devices operative.

aprilia advises using original accessories (**aprilia** genuine accessories).

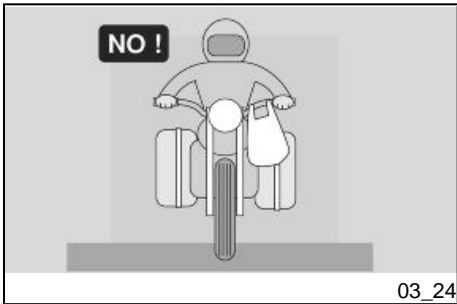


LOADING

Do not overload your scooter. Keep packages as close as possible to the motorcycle centre of gravity and distribute load evenly on both sides to minimise imbalance. Check also that the load is firm and secured to the scooter, mainly for long trips.

Do not hang anything from your vehicle's handlebars, mudguards or forks, such as protruding, bulky, heavy and/or dangerous objects: this will slow the vehicle performance when turning and will upset the handling of your vehicle.

Do not carry packages that protrude from vehicle sides as this may hit people or objects and result in loss of control of your vehicle.



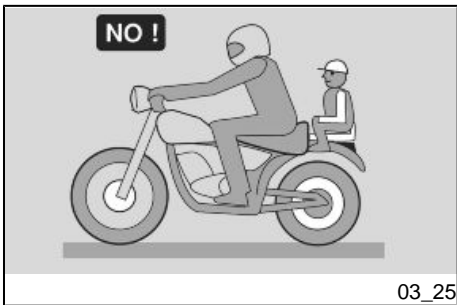
Never carry packages that are not securely fastened to the vehicle.

Do not carry packages that protrude from the luggage rack or which cover any of the sound and light alarm devices.

Never carry animals or small children on the glove-box or the luggage rack.

Never exceed the maximum weight allowed for each luggage rack.

Overloading the motorcycle may result in lack of stability and poor handling.



SCARABEO 125 i.e - 200 i.e.

aprilia



**Chap. 04
Maintenance**

Engine oil level

Check engine oil level frequently according to the indications in the scheduled maintenance table.

CAUTION



HANDLING OIL FOR PROLONGED PERIODS AND ON A REGULAR BASIS CAN CAUSE SERIOUS SKIN DAMAGE.

WASH YOUR HANDS CAREFULLY AFTER HANDLING OIL.

WHEN CARRYING OUT MAINTENANCE OPERATIONS, IT IS ADVISABLE TO WEAR LATEX GLOVES.

KEEP OUT OF THE REACH OF CHILDREN.

DO NOT DISPOSE OF OIL INTO THE ENVIRONMENT.

CAUTION



PROCEED WITH CAUTION.

DO NOT SPILL OIL.

BE CAREFUL NOT TO DIRTY COMPONENTS, THE WORKING OR SURROUNDING AREA.

THOROUGHLY WASH OUT ANY OIL TRACE.

IN THE EVENT OF OIL LEAKS OR MALFUNCTIONING, TAKE YOUR VEHICLE TO AN Official aprilia Dealer.

NOTE

USE OIL WITH THE SPECIFICATIONS DETAILED IN THE RECOMMENDED PRODUCTS TABLE.

NOTE

DO NOT EXCEED THE "MAX" MARK WHEN TOPPING-UP ENGINE OIL.

Take your vehicle to an Official **aprilia** Dealer to carry out the replacement.

Engine oil level check (04_01, 04_02)

- Park the vehicle on its centre stand.

CAUTION

PARK THE MOTORCYCLE ON SAFE AND LEVEL GROUND.

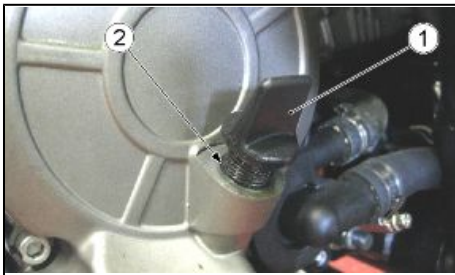
CAUTION

THE ENGINE AND THE EXHAUST SYSTEM COMPONENTS CAN GET VERY HOT AND REMAIN SO FOR SOME TIME EVEN AFTER THE ENGINE IS TURNED OFF. WEAR INSULATING GLOVES BEFORE HANDLING THESE PARTS OR WAIT UNTIL THE ENGINE AND THE EXHAUST SYSTEM COOL DOWN.

- Stop the engine and let it cool down. This will allow the oil to settle into the crankcase and cool down.

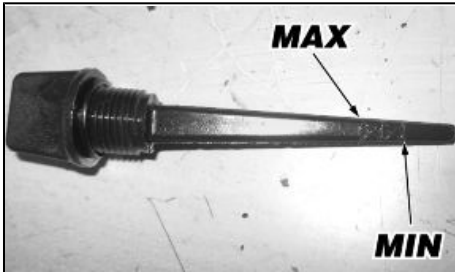
NOTE

FAILURE TO FOLLOW THESE OPERATIONS MAY RESULT IN AN INCORRECT READING OF THE ENGINE OIL LEVEL.



04_01

- Unscrew and take out the measuring cap-dipstick «1».
- Clean the area in contact with oil with a clean cloth.
- Place without screwing the cap-dipstick «1» into its tube «2».
- Remove the cap-dipstick «1» again and read the level the oil reaches on the dipstick.
- The level is correct when it is close to the **MAX** level marked on the measuring dipstick.

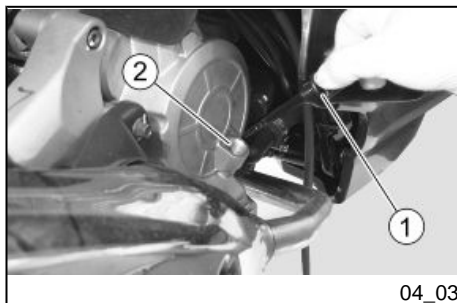


04_02

- Top-up if necessary.

CAUTION

IN ORDER TO AVOID DAMAGING THE ENGINE, OIL LEVEL MUST NEVER EXCEED THE «MAX» MARK OR FALL BELOW THE «MIN» MARK.



04_03

Engine oil top-up (04_03)

- Pour a small quantity of oil in the tube «2» and wait approximately five minutes so that the oil flows evenly into the crankshaft.
- Check the oil level and top up, if required.
- Top-up with small quantities of oil, until the recommended level is reached.
- At the end of the operation, screw and tighten the cap-dipstick «1».

CAUTION



DO NOT RIDE THE MOTORCYCLE WITH INSUFFICIENT LUBRICATION OR WITH CONTAMINATED OR INCORRECT LUBRICANTS AS THIS ACCELERATES THE WEAR AND TEAR OF THE MOVING PARTS AND CAN CAUSE IRRETRIEVABLE DAMAGE.

Warning light (insufficient oil pressure) (04_04)

The vehicle is fitted with a telltale light «1» that turns on when the key is set to «ON». However, this light should come off once the engine has been started.

CAUTION



IN CASE THIS LIGHT TURNS ON WHEN BRAKING, AT IDLE SPEED OR ON A BEND, IT IS NECESSARY TO CHECK THE LEVEL AND TOP-UP IF NECESSARY. IF AFTER TOPPING-UP THE LIGHT STILL TURNS ON WHEN BRAKING, AT IDLE SPEED OR ON A BEND, IT WILL BE NECESSARY TO TAKE YOUR VEHICLE TO AN AUTHORISED SERVICE CENTRE.



04_04

Engine oil change

Take your vehicle to an Official **aprilia** Dealer to carry out the replacement.

Hub oil level

Check following the instructions in the scheduled maintenance table and according to the engine capacity.

Take your vehicle to an Official **aprilia** Dealer to have the oil checked and changed.

CAUTION



HANDLING OIL FOR PROLONGED PERIODS AND ON A REGULAR BASIS CAN CAUSE SERIOUS SKIN DAMAGE.

WASH YOUR HANDS CAREFULLY AFTER HANDLING OIL.

WHEN CARRYING OUT MAINTENANCE OPERATIONS, IT IS ADVISABLE TO WEAR LATEX GLOVES.

KEEP OUT OF THE REACH OF CHILDREN.

DO NOT DISPOSE OF OIL INTO THE ENVIRONMENT.

CAUTION



PROCEED WITH CAUTION.

DO NOT SPILL OIL.

BE CAREFUL NOT TO DIRTY COMPONENTS, THE WORKING OR SURROUNDING AREA.

THOROUGHLY WASH OUT ANY OIL TRACE.

IN THE EVENT OF OIL LEAKS OR MALFUNCTIONING, TAKE YOUR VEHICLE TO AN Official aprilia Dealer.

Tyres (04_05, 04_06)

This vehicle is fitted with tyres without inner tubes (Tubeless).

CAUTION

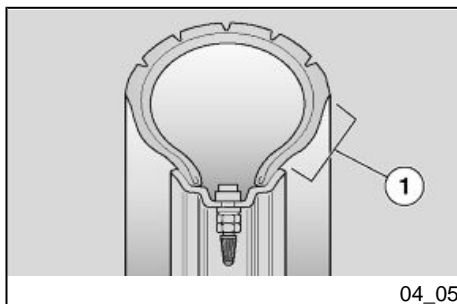


CHECK TYRE PRESSURE FREQUENTLY, WITH TYRES AT AMBIENT TEMPERATURE.

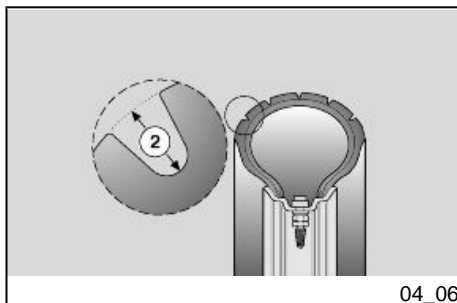
THE MEASUREMENT MAY BE INCORRECT IF TYRES ARE WARM. CHECK TYRE PRESSURE MAINLY BEFORE AND AFTER A LONG TRIP. IF TYRE PRESSURE IS TOO HIGH, THE SURFACE UNEVENNESS IS NOT CUSHIONED AND IS SENT TO THE HANDLEBAR, THUS REDUCING COMFORT, GRIP AND STABILITY SPECIALLY WHEN CORNERING.

CONVERSELY, WITH INADEQUATE TYRE PRESSURE, TYRE SIDES «1» BEAR MORE STRESS AND THE TYRE CAN SLIDE ON THE RIM OR EVEN GET DETACHED RESULTING IN LOSS OF CONTROL OVER THE VEHICLE. THE TYRE MIGHT EVEN JUMP OFF THE RIM UNDER HARD BRAKING. EVENTUALLY THE VEHICLE MIGHT SKID IN A BEND. INSPECT TREAD SURFACE AND CHECK IT FOR WEAR. BADLY WORN TYRES ADVERSELY AFFECT TRACTION AND HANDLING. SOME TYRE TYPES HOMOLOGATED FOR THIS VEHICLE FEATURE WEAR INDICATORS. THERE ARE SEVERAL TYPES OF WEAR INDICATORS. CONSULT YOUR DEALER ON METHODS TO CHECK WEAR. CARRY OUT A VISUAL INSPECTION FOR TYRE CONSUMPTION. REPLACE TYRES IF WORN.

WHEN TYRES ARE OLD, THE MATERIAL MAY HARDEN AND NOT PROVIDE ADEQUATE GRIP, EVEN IF TYRES ARE STILL WITHIN THE WEAR LIMIT. REPLACE TYRES IF THIS OCCURS. REPLACE TYRES WHEN WORN OR IF THERE



04_05



04_06

IS A PUNCTURE LARGER THAN 5 MM IN THE TREAD AREA. BALANCE WHEELS AFTER A TYRE IS MENDED. USE ONLY TYRE SIZES INDICATED BY THE MANUFACTURER. DO NOT FIT TYRES WITH INNER TUBES ON RIMS FOR TUBELESS TYRES OR VICE VERSA. CHECK THAT THE INFLATION VALVES HAVE THEIR CAPS FITTED IN ORDER TO AVOID UNEXPECTED FLAT TYRES.

REPLACEMENT, REPAIR, MAINTENANCE AND BALANCING OPERATIONS ARE HIGHLY IMPORTANT AND SO THEY SHOULD BE CARRIED OUT USING THE SPECIFIC TOOLS AND WITH THE ADEQUATE KNOWLEDGE. HAVE YOUR TYRES AND WHEELS SERVICED AT AN Official Aprilia Dealer, OR A SPECIALISED TYRE WORKSHOP. NEW TYRES CAN BE COVERED BY A SLIPPERY COAT: RIDE WITH CAUTION DURING THE FIRST KILOMETRES. DO NOT APPLY UNSUITABLE LIQUIDS ON TYRES.

TREAD DEPTH MINIMUM THRESHOLD «2»

Front:	2 mm
Rear	2 mm

Spark plug dismantlement (04_07, 04_08, 04_09)

Check the spark plug following the instructions on the scheduled maintenance table and according to the engine capacity. Remove the spark plug regularly, clean off carbon scales, and replace spark plug if necessary.

To reach the spark plug:



- Lift the saddle.
- Unscrew and remove the two screws «3» (one at each side).
- Unscrew and remove the two screws «4» (one at each side).

CAUTION



PROCEED WITH CAUTION.

DO NOT DAMAGE THE TABS AND/OR THEIR CORRESPONDING SLOTS.

HANDLE PLASTIC AND PAINTED COMPONENTS WITH CARE, DO NOT SCRATCH OR SPOIL THEM.

- Pull and slide off from the front inspection cover «5».

NOTE

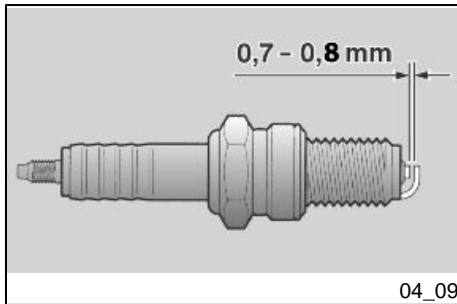


UPON REFITTING, INSERT THE FITTING TABS CORRECTLY IN THEIR SLOTS.

For removal and cleaning:



04_08



04_09

CAUTION

BEFORE CARRYING OUT THE FOLLOWING OPERATIONS AND IN ORDER TO AVOID BURNS, LEAVE ENGINE AND SILENCER TO COOL OFF TO AMBIENT TEMPERATURE.

- Remove the tube «1» of the spark plug «2».
- Clean off any trace of dirt from the spark plug base. Then unscrew it using the spanner supplied in the toolkit and remove it from its fitting, being careful not to let dust or any other substance come into the cylinder.
- Check that the spark plug electrode and centre porcelain are free of carbon deposits or signs of corrosion. If necessary, clean using suitable spark plug cleaners, a wire and/or metal brush.
- Blow with a strong air blast to avoid removed dirt getting into the engine. Replace the spark plug if there are cracks on the spark plug insulating material, corroded electrodes or several deposits.
- Check the electrode gap with a feeler gauge. This gap should be **0.7 - 0.8 mm**; adjust it if necessary by carefully bending the ground electrode.
- Make sure the washer is in good conditions. Once the washer is fitted, manually screw the spark plug to avoid damaging the thread.
- Tighten using the spanner supplied in the toolkit, make the spark plug complete 1/2 of a turn to press the washer.

CAUTION

TIGHTEN THE SPARK PLUG CORRECTLY. OTHERWISE, THE ENGINE MAY OVERHEAT AND GET IRRETRIEVABLE DAMAGED.

USE ONLY THE RECOMMENDED TYPE OF SPARK PLUG, OTHERWISE, ENGINE DURATION AND PERFORMANCE COULD BE COMPROMISED.

Characteristic**Spark plug electrode gap**

0.7 - 0.8 mm

Spark plug

NGK PMR9B

Locking torques (N*m)**Spark plug tightening torque***10 Nm (1.02 kg)*

- Refit the spark plug tube «1» securely, so that it will not get detached when exposed to engine vibrations.
- Refit the central inspection cover «5».

Removing the air filter (04_10, 04_11)

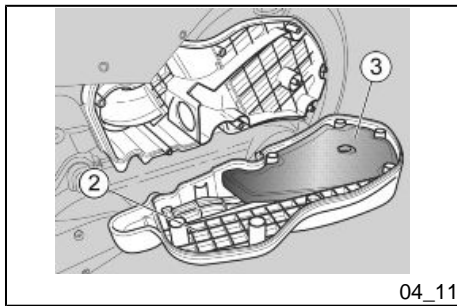
Clean the air filter and check it is in good conditions following the instructions in the scheduled maintenance table and according to the engine capacity. This will depend on use conditions.

If the vehicle is used in dusty or wet roads, cleaning operations should be carried out more frequently.

Remove the filtering element from the vehicle for cleaning.

- Unscrew and remove the seven screws «1».
- Open the filter housing.
- Remove the filtering element «3» from the filter housing cover «2».



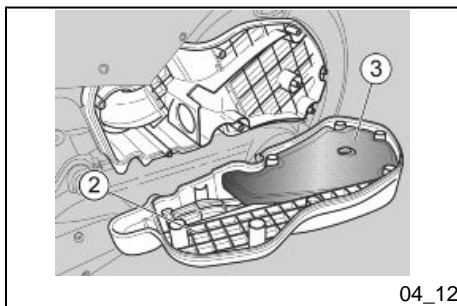


Air filter cleaning (04_12, 04_13)

CAUTION



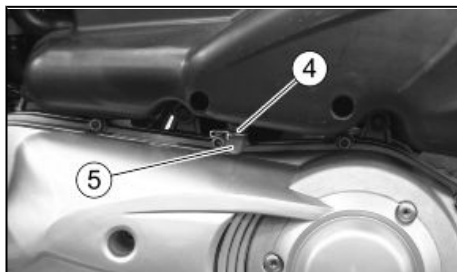
TO AVOID RISK OF FIRE OR EXPLOSION DO NOT USE PETROL OR INFLAMMABLE SOLVENTS TO CLEAN THE FILTERING ELEMENT.



- Wash the filtering element «3» with clean, non-inflammable or high-volatility solvents and leave it to dry properly.
- Apply a specific filter oil all over the surface.
- Check the lower part of the bleed pipe «4» for dirt.

NOTE

REMOVE ANY DEPOSIT THAT MAY HAVE FORMED IN THE BLEED PIPE, COMING FROM THE FILTER HOUSING. PROCEED AS FOLLOWS:



04_13

- Remove the cover «5».
- Drain the content in a container; then, send it to a recycling bank.

Cooling fluid level (04_14, 04_15, 04_16, 04_17)

CAUTION



DO NOT USE YOUR MOTORCYCLE IF THE COOLANT LEVEL IS BELOW THE MINIMUM LEVEL MARKED "MIN".

Check the coolant level following the instructions in the scheduled maintenance table and according to the engine capacity.

CAUTION



COOLANT IS TOXIC IF INGESTED; CONTACT WITH YOUR EYES OR SKIN MAY CAUSE IRRITATION. IF THE FLUID GETS IN CONTACT WITH THE EYES OR SKIN, RINSE REPEATEDLY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. IF SWALLOWED, INDUCE VOMITING, RINSE MOUTH AND THROAT WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE IMMEDIATELY.

CAUTION

DO NOT DISPOSE OF THE FLUID INTO THE ENVIRONMENT.

CAUTION

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION

PAY ATTENTION NOT TO POUR COOLANT ONTO THE ENGINE HOT COMPONENTS; IT MAY CATCH FIRE PRODUCING INVISIBLE FLAMES. WHEN CARRYING OUT MAINTENANCE OPERATIONS, IT IS ADVISABLE TO WEAR LATEX GLOVES. CONTACT AN Official aprilia Dealer FOR REPLACEMENT.

Coolant solution is 50% water and 50% antifreeze fluid. This is the ideal mixture for most operating temperatures and provides good corrosion protection. It is advisable to use the same mixture even in hot weather as this minimises loss due to evaporation and the need of frequent top-ups. Thus, mineral salt deposits formed in the radiator by evaporated water are also minimised and the efficiency of the cooling system is not affected. When the temperature drops below zero degrees centigrade, check the cooling system frequently and add more antifreeze (up to 60% max.) if required.

Use distilled water in the coolant mixture to avoid damaging the engine.

CAUTION

DO NOT REMOVE THE EXPANSION TANK CAP «1» WHEN THE ENGINE IS HOT, SINCE COOLANT IS VERY HOT. CONTACT WITH SKIN OR CLOTHES MAY CAUSE SEVERE BURNS AND/OR INJURIES.

CHECK**CAUTION**

WAIT FOR THE ENGINE TO COOL DOWN BEFORE CHECKING OR TOPPING-UP THE COOLANT LEVEL.

- Shut off the engine and wait until it cools off.

CAUTION

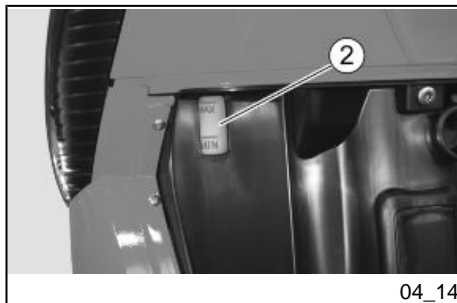
PARK THE MOTORCYCLE ON SAFE AND LEVEL GROUND.

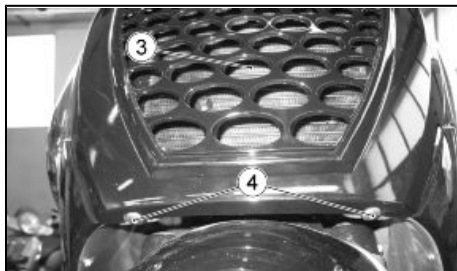
- Open the glove-box.
- Make sure that the coolant level in the expansion tank «**2**» is between the «**MIN**» and «**MAX**» reference marks.

MIN = minimum level.

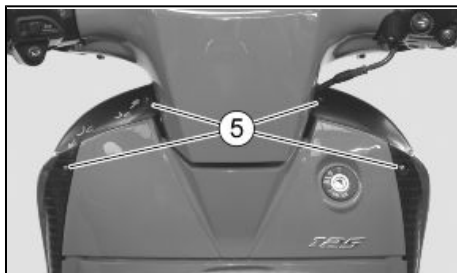
MAX = maximum level.

Otherwise, top-up.





04_15

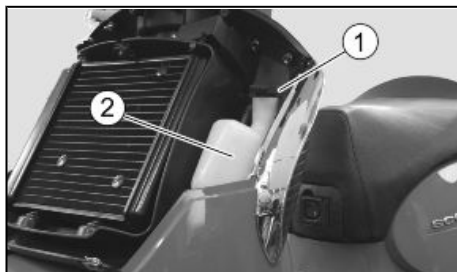


04_16

TOP-UP

- Remove the front case «3» by undoing the two screws «4» located at the back and the four screws «5» located in the shield back plate.
- Remove the filler cap «1».

CAUTION**PROCEED WITH CAUTION.****DO NOT DAMAGE THE TABS AND/OR THEIR CORRESPONDING SLOTS.****HANDLE PLASTIC AND PAINTED COMPONENTS WITH CARE, DO NOT SCRATCH OR SPOIL THEM.****NOTE****UPON REFITTING, INSERT THE FITTING TABS CORRECTLY IN THEIR SLOTS.****CAUTION****COOLANT IS TOXIC IF INGESTED; CONTACT WITH YOUR EYES OR SKIN MAY CAUSE IRRITATION. DO NOT INTRODUCE YOUR FINGERS OR ANY OTHER OBJECT TO CHECK IF THERE IS COOLANT OR NOT.****CAUTION****WHEN TOPPING-UP, DO NOT EXCEED THE «MAX» LEVEL OR THE FLUID WILL FLOW OUT WHEN THE ENGINE IS RUNNING.**



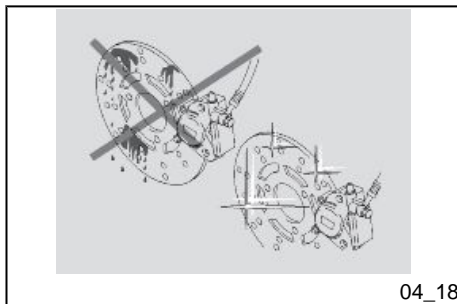
04_17

- Top-up with coolant until the fluid level is near the «MAX» level.
- Refit the filler cap «1».

CAUTION

IF THERE IS AN EXCESSIVE CONSUMPTION OF COOLANT OR THE RESERVOIR REMAINS EMPTY, CHECK THAT THERE ARE NO LEAKS IN THE CIRCUIT. FOR REPAIRS, TAKE YOUR MOTORCYCLE TO AN OFFICIAL APRILIA DEALER.

- Refit the front case.



04_18

Checking the brake oil level (04_18, 04_19)

This vehicle is fitted with a braking system made up of:

- A front disc brake;
- A rear disc brake;

Operating the right (front) brake lever exerts pressure on the front brake calliper. Operating the left (rear) brake lever exerts pressure on the front and rear brake callipers.

NOTE

THIS VEHICLE IS FITTED WITH AN INTEGRAL BRAKING SYSTEM.

CAUTION

UNEXPECTED CLEARANCE VARIATIONS OR ELASTIC RESISTANCE IN THE BRAKE LEVER ARE DUE TO FAILURE IN THE HYDRAULIC CIRCUIT. CONTACT AN Official Aprilia Dealer IN CASE OF DOUBTS ON THE CORRECT OPERATION

OF THE BRAKING SYSTEM OR WHEN UNABLE TO CARRY OUT ROUTINE CHECK PROCEDURES.

CAUTION

PAY SPECIAL ATTENTION TO THE BRAKE DISC AND THE FRICTION GASKETS AND CHECK THAT THEY ARE NOT OILY OR GREASY, SPECIALLY AFTER MAINTENANCE OPERATIONS OR CHECKS. CHECK THAT THE BRAKE PIPE IS NOT TWISTED OR WORN.

KEEP OUT OF THE REACH OF CHILDREN.

DO NOT DISPOSE OF THE FLUID INTO THE ENVIRONMENT.

When the friction pads wear out, the brake fluid level in the reservoir goes down to automatically compensate for that wear.

The brake fluid reservoirs are located on the handlebar, near the brake lever attachments.

Check frequently the brake fluid level in the reservoirs and the brake pad wear.

CAUTION



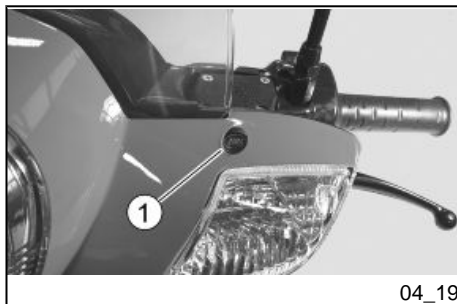
DO NOT USE YOUR MOTORCYCLE IF A FLUID LEAK IN THE BRAKING CIRCUIT IS DETECTED.

Checking

To check level:

CAUTION

PARK THE MOTORCYCLE ON SAFE AND LEVEL GROUND.



- Rest the vehicle on its centre stand.
- Turn the handlebar so that the fluid in the brake fluid reservoir is parallel to the «**MIN**» reference mark indicated on the sight glass «1».
- Check that the level in the reservoir is over the reference "**MIN**" indicated on the sight glass "1".

MIN = minimum level.

If the fluid does not reach at least the «**MIN**» reference mark:

CAUTION

FLUID LEVEL DECREASES GRADUALLY AS BRAKE PADS WEAR DOWN.

- Check the brake pads and discs for wear
- If pads and/or the disc need not to be replaced:
- Take your vehicle to an **Official Aprilia Dealer** to carry out the replacement.

CAUTION

CHECK BRAKING EFFICIENCY. IN THE EVENT OF EXCESSIVE TRAVEL OF THE BRAKE LEVER OR POOR PERFORMANCE OF THE BRAKING CIRCUIT, TAKE YOUR VEHICLE TO AN OFFICIAL APRILIA DEALER AS IT MAY BE NECESSARY TO PURGE AIR IN THE SYSTEM.

Battery (04_20, 04_21, 04_22, 04_23)

Check that the leads are tightened following the instructions on the scheduled maintenance table and according to the engine capacity.

CAUTION

FIRE HAZARD. FUEL OR ANY OTHER FLAMMABLE SUBSTANCES MUST NOT BE CLOSE TO ELECTRICAL COMPONENTS.

THE BATTERY ELECTROLYTE IS TOXIC, CORROSIVE AND AS IT CONTAINS SULPHURIC ACID, IT CAN CAUSE BURNS WHEN IN CONTACT WITH THE SKIN. WEAR PROTECTION CLOTHES, A FACE MASK AND/OR SAFETY GOGGLES WHEN CARRYING OUT MAINTENANCE OPERATIONS. IF THE ELECTROLYTIC FLUID GETS INTO CONTACT WITH THE SKIN, WASH WITH ABUNDANT COOL WATER.

IF THE FLUID GETS INTO CONTACT WITH THE EYES, WASH WITH ABUNDANT WATER FOR FIFTEEN MINUTES AND CONSULT AN EYE SPECIALIST IMMEDIATELY.

IF IT IS ACCIDENTALLY INGESTED, DRINK A LOT OF WATER OR MILK, THEN MILK OF MAGNESIA OR VEGETAL OIL, AND SEEK MEDICAL ADVICE IMMEDIATELY.

THE BATTERY RELEASES EXPLOSIVE GASES. KEEP IT AWAY OF FLAMES, SPARKS, CIGARETTES OR ANY OTHER HEAT SOURCE.

WHEN RECHARGING OR USING THE BATTERY, BE CAREFUL TO HAVE THE ROOM ADEQUATELY AIRED. DO NOT BREATHE GASES RELEASED WHEN THE BATTERY IS BEING RECHARGED.

KEEP OUT OF THE REACH OF CHILDREN.

PAY ATTENTION NOT TO TILT THE MOTORCYCLE EXCESSIVELY TO AVOID DANGEROUS SPILLS OF BATTERY FLUID.

CAUTION

DO NOT INVERT THE CONNECTIONS OF THE BATTERY LEADS.

CONNECT AND DISCONNECT THE BATTERY WITH THE IGNITION SWITCH SET TO «OFF» OR THIS MAY DAMAGE SOME COMPONENTS. CONNECT THE POS-

ITIVE LEAD (+) FIRST AND THEN THE NEGATIVE ONE (-). DISCONNECT IN THE REVERSE ORDER.

BATTERY FLUID IS CORROSIVE.

DO NOT POUR OR SPREAD IT ESPECIALLY ON PLASTIC PARTS.

WHEN RECHARGING A "MAINTENANCE FREE" BATTERY INSTALLED USE A SPECIFIC BATTERY CHARGER (VOLTAGE/CONSTANT AMPERAGE OR CONSTANT VOLTAGE TYPE).

USING A CONVENTIONAL BATTERY CHARGER MAY DAMAGE THE BATTERY.

Battery removal



- Park the vehicle on its centre stand.
- Remove the mats «1».
- Undo and remove the two screws «2».

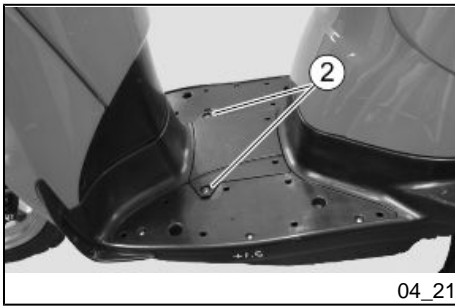
CAUTION



PROCEED WITH CAUTION.

DO NOT DAMAGE THE TABS AND/OR THEIR CORRESPONDING SLOTS.

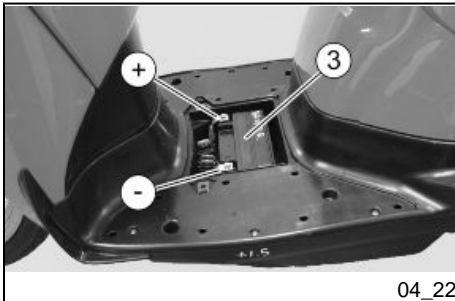
HANDLE PLASTIC AND PAINTED COMPONENTS WITH CARE, DO NOT SCRATCH OR SPOIL THEM.



- Remove the battery compartment cover.

NOTE

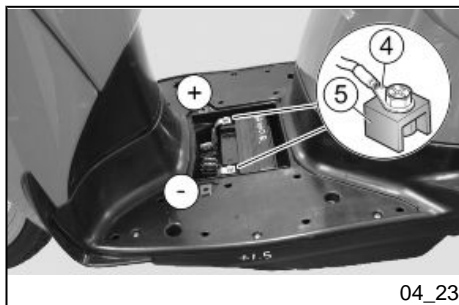
UPON REFITTING, INSERT THE FITTING TABS CORRECTLY IN THEIR SLOTS.



- Disconnect the negative lead (-) first and then the positive one (+).
- Remove the battery «3» from its housing and put it away on a flat surface in a cool and dry place.

CAUTION

ONCE REMOVED THE BATTERY MUST BE PUT AWAY IN A SAFE PLACE AND OUT OF THE REACH OF CHILDREN.



Checking and cleaning terminals and leads

- Check that the terminals «4» of the cables and the battery leads «5» are:
 - in good conditions (not corroded or covered by deposits);
 - covered by neutral grease or petroleum jelly.

If necessary:

- Disconnect the negative lead (-) first and then the positive one (+).
- Brush with a metal bristle brush to remove all signs of corrosion.
- Reconnect the positive lead (+) first and then the negative one (-).
- Cover leads and terminals with neutral grease or petroleum jelly.

Battery recharge

CAUTION

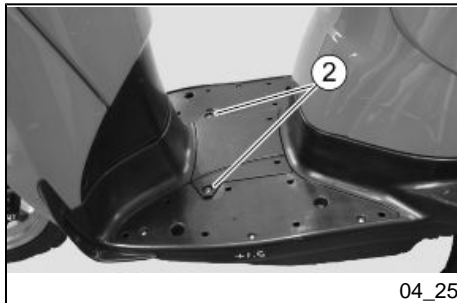
DO NOT REMOVE THE BATTERY CELL CAPS OR THE BATTERY MAY BE DAMAGED.

- Remove the battery.
- Get an adequate battery charger.
- Set the battery charger for a slow recharge.
- Connect the battery to the battery charger.

CAUTION

WHEN RECHARGING OR USING THE BATTERY, BE CAREFUL TO HAVE THE ROOM ADEQUATELY AIRED. DO NOT BREATHE GASES RELEASED WHEN THE BATTERY IS RECHARGING.

- Switch on the battery charger.



Use of a new battery (04_24, 04_25, 04_26)

- Park the vehicle on its centre stand.
- Remove the mats «1».
- Undo and remove the two screws «2».

CAUTION



PROCEED WITH CAUTION.

DO NOT DAMAGE THE TABS AND/OR THEIR CORRESPONDING SLOTS.

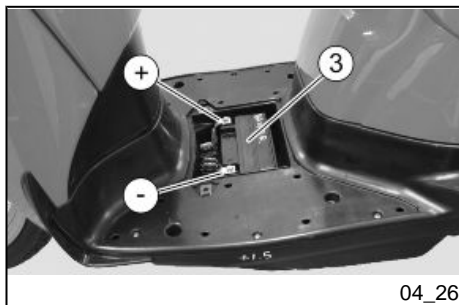
HANDLE PLASTIC AND PAINTED COMPONENTS WITH CARE, DO NOT SCRATCH OR SPOIL THEM.

- Remove the battery compartment cover.

NOTE



UPON REFITTING, INSERT THE FITTING TABS CORRECTLY IN THEIR SLOTS.



- Place the battery «3» in its housing.
- Connect the positive lead (+) first and then the negative one (-).
- Cover the leads and terminals with neutral grease or petroleum jelly.
- Refit the battery compartment cover and tighten the two screws «2».
- Refit the two mats «1» making sure the clamps fit in their fittings,

Long periods of inactivity

If the vehicle is not used for more than fifteen days, it is necessary to recharge the battery to avoid sulphation:

- Remove the battery and put it away in a cool and dry place.

In winter or when the vehicle is out of use for prolonged periods, check charge level frequently (about once a month) to prevent deterioration.

- Fully recharge with an ordinary charge.

If the battery is still on the vehicle, disconnect the cables from the terminals.

Fuses (04_27, 04_28, 04_29, 04_30)

CAUTION



DO NOT REPAIR FAULTY FUSES.

NEVER USE A FUSE THAT IS DIFFERENT THAN WHAT IS SPECIFIED TO PREVENT DAMAGES TO THE ELECTRICAL SYSTEM OR SHORT CIRCUITS, AND THE RISK OF FIRE.

NOTE

A FUSE THAT BLOWS FREQUENTLY MAY INDICATE A SHORT CIRCUIT OR OVERLOAD. IF THIS OCCURS, CONTACT AN Official aprilia Dealer.

Checking the fuses is necessary whenever an electrical component fails to operate or is not working properly or when the engine does not start.

Check the 15A fuses first and then the 20A fuse.

To check:

- Park the vehicle on its centre stand.
- Remove the mats «1».
- Undo and remove the two screws «2».

CAUTION

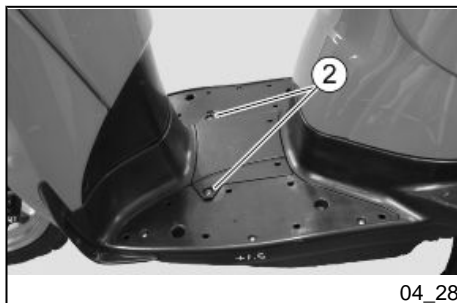


PROCEED WITH CAUTION.

DO NOT DAMAGE THE TABS AND/OR THEIR CORRESPONDING SLOTS.

HANDLE PLASTIC AND PAINTED COMPONENTS WITH CARE, DO NOT SCRATCH OR SPOIL THEM.



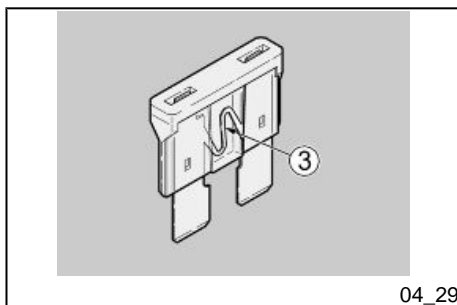


04_28

- Remove the battery compartment cover.

NOTE

UPON REFITTING, INSERT THE FITTING TABS CORRECTLY IN THEIR SLOTS.

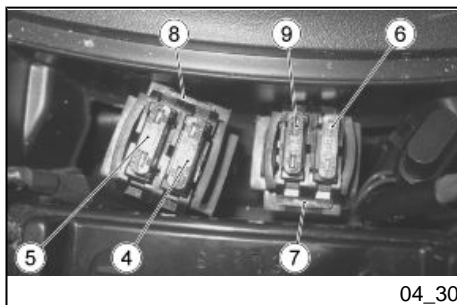


04_29

- Extract one fuse at a time and check if filament «3 » is broken.
- Before replacing the fuse, find and solve, if possible, the reason that caused the problem.
- If the fuse is damaged, replace it with one of the same current rating.

NOTE

IF THE SPARE FUSE IS USED, REPLACE WITH ONE OF THE SAME TYPE IN THE CORRESPONDING FITTING.



04_30

- Refit the battery compartment cover and tighten the two screws «2».
- Refit the two mats «1» making sure the clamps fit in their fittings.

MAIN FUSES DISTRIBUTION

20A Fuse «6»	Direct positive (voltage regulator, instrument panel, ignition switch and plug socket fuse)
15A Fuse «9»	Plug socket power supply
20 A Fuse «7»	Spare Parts

AUXILIARY FUSES DISTRIBUTION

15 A Fuse «4»	From ignition switch to all light loads, license plate light, intermittence and horn.
15A Fuse «5»	Ignition /injection and start-up power supply
15 A Fuse «8»	Spare Parts

Lamps

CAUTION



FIRE HAZARD. FUEL OR ANY OTHER FLAMMABLE SUBSTANCES MUST NOT BE CLOSE TO ELECTRICAL COMPONENTS.

CAUTION

BEFORE REPLACING A BULB, TURN THE IGNITION SWITCH TO «KEY OFF» AND WAIT A FEW MINUTES FOR THE BULB TO COOL OFF.

WEAR CLEAN GLOVES OR USE A CLEAN DRY CLOTH TO REPLACE THE BULB.

DO NOT LEAVE PRINTS ON THE BULB AS THIS MAY CAUSE IT TO OVERHEAT OR EVEN BLOW OUT. IF YOU TOUCH THE BULB WITHOUT WEARING GLOVES, CLEAN OFF PRINTS WITH ALCOHOL TO AVOID DAMAGING THE BULB.

DO NOT FORCE ELECTRICAL CABLES.

NOTE

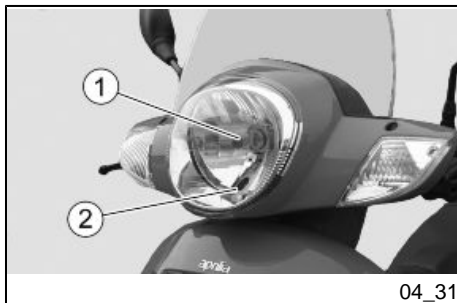
BEFORE REPLACING A BULB, CHECK THE FUSES.

BULBS/WARNING LIGHTS

() Cannot be replaced*

High/low beam bulb	12 V 60/55 W H4
Tail light bulb	12V - 5W
Front and rear turn indicator bulbs	12V - 10 W (RY amber bulb)
License plate light bulb	12V - 5W
Rear daylight running light /stop light bulb	12V - 5/21W
Instrument panel lighting bulb (*)	LED
Turn indicator warning light (*)	LED

High beam warning light (*)	LED
Low fuel warning light (*)	LED
Engine oil pressure warning light (*)	LED
Electronic fuel injection check warning light (*)	LED



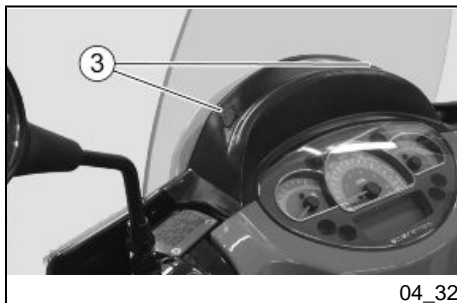
Front light group (04_31, 04_32, 04_33, 04_34, 04_35, 04_36, 04_37, 04_38)

In the headlamp there are:

- One low/high beam light bulb «1»;
- One tail light bulb «2»;

For replacement:

- Use a screwdriver to remove the caps «3»;
- Undo the two screws «4» and remove the upper frame «5»;
- Undo the three screws «6» and remove the windshield;
- Undo the eight screws «7» and remove the rear handlebar cover;



CAUTION



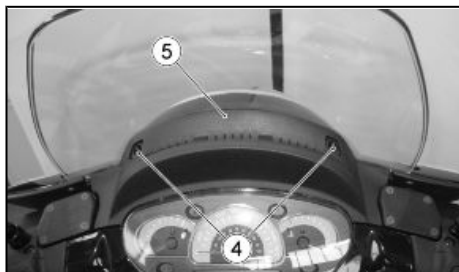
PROCEED WITH CAUTION.

DO NOT DAMAGE THE TABS AND/OR THEIR CORRESPONDING SLOTS.

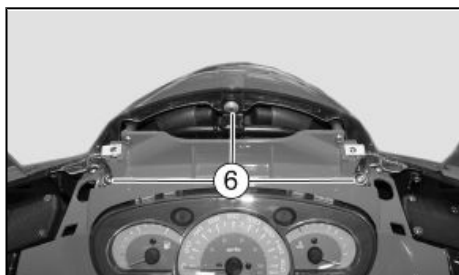
HANDLE PLASTIC AND PAINTED COMPONENTS WITH CARE, DO NOT SCRATCH OR SPOIL THEM.

CAUTION

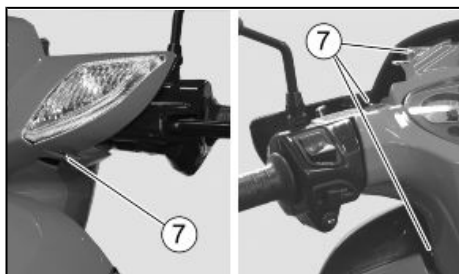
UPON REFITTING, INSERT THE FITTING TABS CORRECTLY IN THEIR SLOTS.



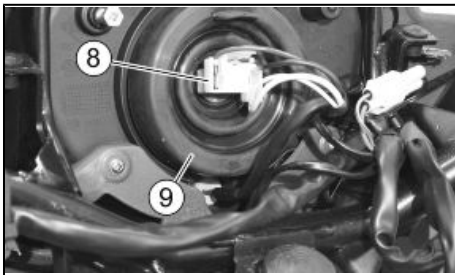
04_33



04_34



04_35



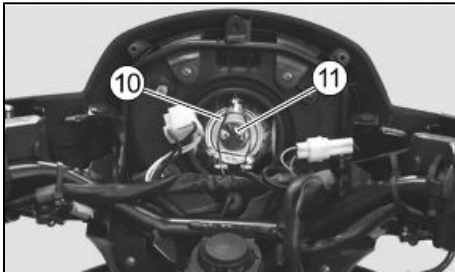
04_36

LOW-/HIGH BEAM LIGHT BULB

- Hold the electric connector «8» and unhook it from the bulb holder;

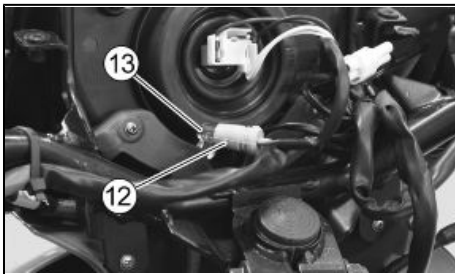
CAUTION

DO NOT PULL THE ELECTRICAL CABLES WHEN TAKING OUT THE BULB ELECTRICAL CONNECTOR.



04_37

- Remove the plastic gasket «9»;
- Release the clip «10»;
- Take out the bulb holder «11» and replace it with another one of the same type;



04_38

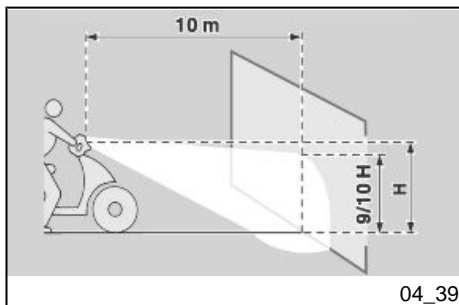
TAIL LIGHT BULB

Hold the bulb holder «12» and take it out of its fitting;

CAUTION

DO NOT PULL THE ELECTRICAL CABLES WHEN TAKING OUT THE BULB HOLDER.

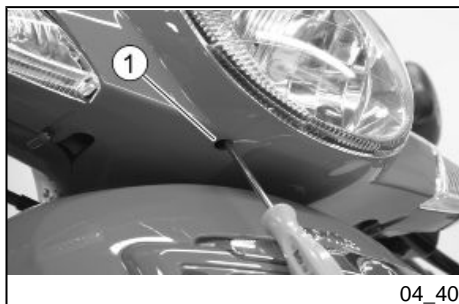
- Take out the tail light bulb «13» and replace it with another one of the same type;



Headlight adjustment (04_39, 04_40)

For a quick check of the correct direction of the front light beams, place the vehicle ten metres from a vertical wall and make sure the ground is level.

Turn on the low beam light, sit on the vehicle and check that the light beam projected to the wall is a little below the headlight horizontal straight line (about 9/10 of the total height).



To adjust the light beam:

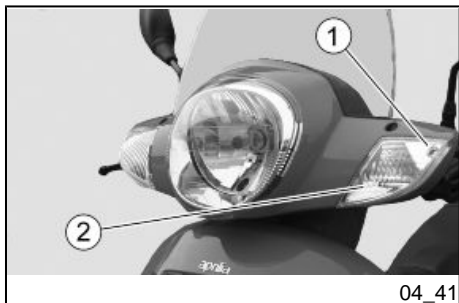
- Use a screwdriver to operate on the specific screw «1» located below the rear handlebar cover.

TIGHTEN the screw (clockwise) to raise the light beam.

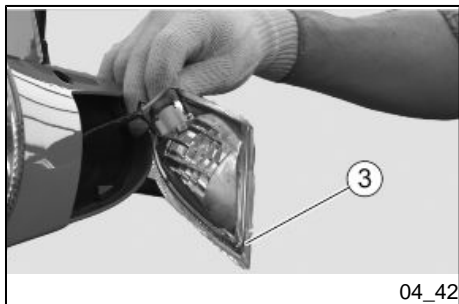
UNDO the screw (anticlockwise) to lower the light beam.

Front direction indicators (04_41, 04_42, 04_43)

To change the oil:



04_41



04_42

NOTE

THE FOLLOWING INFORMATION REFERS TO ONLY ONE INDICATOR BUT IT APPLIES TO BOTH.

- Unscrew and remove the screw «1» in order to take out the turn indicator from its fitting.

CAUTION

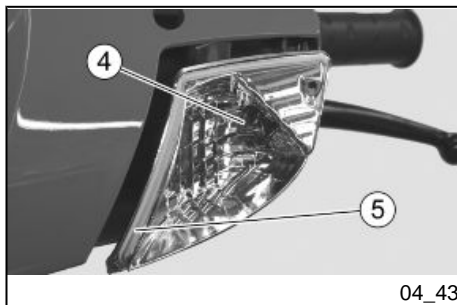
PROCEED WITH CAUTION.

DO NOT DAMAGE THE TABS AND/OR THEIR CORRESPONDING SLOTS.

- Remove the protective glass «2» by undoing the screw «3».
- Press the bulb «4» moderately and turn it anticlockwise.

NOTE

IF THE BULB HOLDER «5» STICKS OUT ITS FITTING, INSERT IT AGAIN CORRECTLY.



04_43

- Take out the bulb from its fitting.

NOTE

INSERT THE BULB IN THE BULB HOLDER SO THAT THE TWO GUIDING PINS COINCIDE WITH THEIR GUIDES ON THE BULB HOLDER.

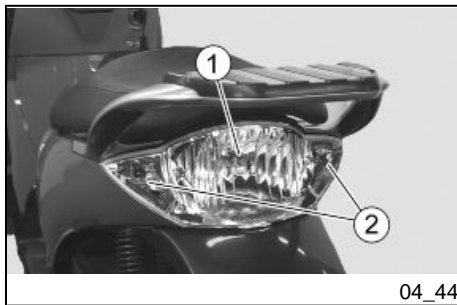
- Install a bulb of the same type adequately.

When refitting the bulb:**NOTE**

POSITION THE PROTECTIVE GLASS «2» CORRECTLY IN ITS FITTING.

NOTE

TIGHTEN THE SCREWS «1» AND «3» CAREFULLY AND SLIGHTLY TO AVOID DAMAGING THE PROTECTIVE GLASS «2».



04_44

Rear optical unit (04_44, 04_45)

In the rear light there are:

- one tail light/stop light bulb «1»;
- two rear turn indicator bulbs «2».

To replace the bulbs:

- Remove the tail light glass «3» by undoing the four screws «4».

TAIL LIGHT / STOP LIGHT BULB

- Press the bulb «1» slightly and turn it anticlockwise.
- Take out the bulb from its fitting.



04_45

NOTE

INSERT THE BULB IN THE BULB HOLDER SO THAT THE TWO GUIDING PINS COINCIDE WITH THEIR GUIDES ON THE BULB HOLDER.

- Install a bulb of the same type adequately.

REAR TURN INDICATOR BULB

- To take out the bulbs of the turn indicator, turn:
 - the left bulb **CLOCKWISE**;

- the right bulb ANTICLOCKWISE.

NOTE

UPON REFITTING, PLACE THE FAIRING OF THE REAR LIGHT «3» CORRECTLY INTO PLACE.

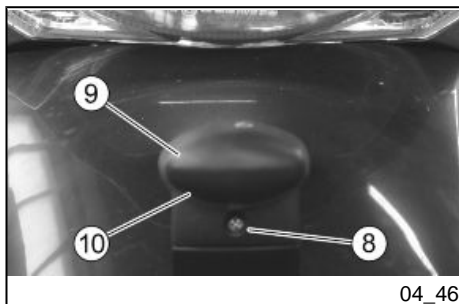
CAUTION

TIGHTEN THE SCREWS «4» CAREFULLY AND SLIGHTLY TO AVOID DAMAGING THE TAIL LIGHT GLASS «3».

Number plate light (04_46)

To remove the bulb:

- Unscrew and remove the screw "8".
- Remove the license plate bulb support «9».
- Remove and replace the bulb «10» with another of the same type.





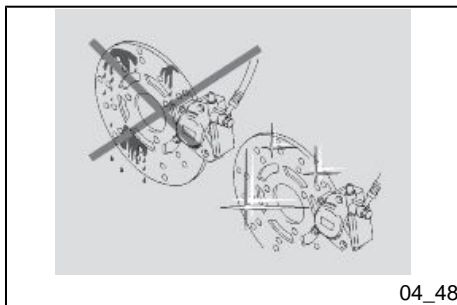
04_47

Rear-view mirrors (04_47)

To remove the mirrors:

- Unscrew the lock nut «1»;
- Slide off the rear-view mirror «2».

To adjust the mirror, hold it and turn until it is adjusted to the adequate angle.



04_48

Front and rear disc brake (04_48, 04_49, 04_50, 04_51)

NOTE

THIS MOTORCYCLE IS FITTED WITH FRONT AND REAR DISC BRAKES WITH INDEPENDENT HYDRAULIC CIRCUITS. THE FOLLOWING INFORMATION REFERS TO ONE BRAKING CIRCUIT BUT IS VALID FOR BOTH.

CAUTION

BRAKES ARE THE MOST IMPORTANT COMPONENTS TO ENSURE SAFETY AND THEREFORE THEY HAVE TO BE ALWAYS IN PERFECT CONDITIONS; CHECK THEM BEFORE EVERY RIDE.

A DIRTY DISC SMEARS THE PADS RESULTING IN POOR BRAKING. REPLACE DIRTY PADS AND CLEAN A DIRTY DISC USING A TOP-QUALITY DEGREASING PRODUCT.

Pad wear check

Check brake pad wear following the instructions on the scheduled maintenance table and according to the engine capacity. Disc brake pad wear depend on the use, the riding style and the roads.

CAUTION



CHECK BRAKE PADS FOR WEAR MAINLY BEFORE EACH RIDE.

To carry out a quick pad check:

- Park the vehicle on its centre stand.
- Carry out a visual inspection of brake disc and pads.

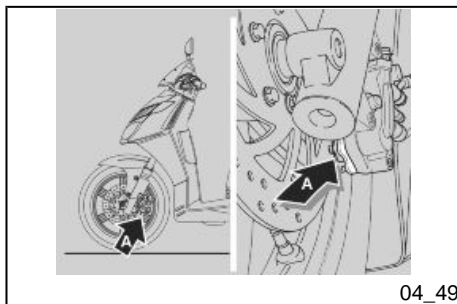
With a lamp and a mirror, proceed:

Front brake calliper

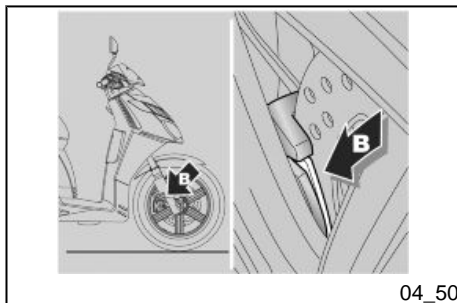
- From the front bottom side for the left pad «**A**»;
- From the front top side for the right pad «**B**»

Rear brake calliper

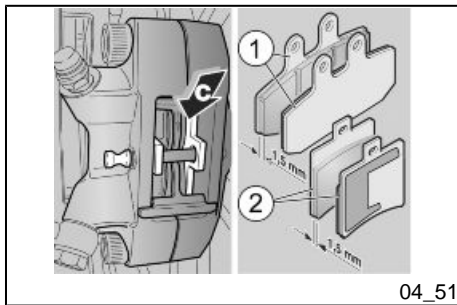
- From the back top side for both pads «**C**».



04_49



04_50



Replace both brake pads when the friction material is worn (even if it is only one brake pad) to about 1.5 mm.

CAUTION

EXCESSIVE WEAR OF THE FRICTION MATERIAL MAKES THE PAD METAL SUPPORT GET INTO CONTACT WITH THE DISC, WHICH RESULTS IN A METALLIC NOISE AND SPARKS IN THE CALLIPER; THEREFORE, BRAKING EFFICIENCY AND DISC SAFETY AND INTEGRITY ARE AT RISK.

CAUTION



TO CHANGE THE BRAKE PADS, PLEASE CONTACT AN Official Aprilia Dealer. IF YOU ARE ADEQUATELY TRAINED AND EXPERIENCED, REFER TO THE INSTRUCTIONS IN THE WORKSHOP BOOKLET AVAILABLE ALSO AT ANY Official Aprilia Dealer.

Inactivity of the vehicle (04_52)

Take some measures to avoid the side effects of not using the vehicle.

Also, carry out general maintenance and checks before garaging the vehicle as one can forget to do so afterwards.

Proceed as follows:

- Empty the fuel tank and the carburettor completely.
- Remove the spark plug.
- Pour a teaspoonful (5 - 10 cm³) of engine oil into the cylinder.

NOTE

PLACE A CLEAN CLOTH ON THE CYLINDER NEXT TO THE SPARK PLUG SEAT TO PROTECT IT FROM POTENTIAL OIL SPLASHES.



04_52

- Press the starter button for some seconds to distribute the oil evenly on the cylinder surfaces.
- Remove the protection cloth.
- Refit the spark plug.
- Remove the battery.
- Wash and dry the motorcycle.
- Polish the painted surfaces.
- Inflate tyres.
- Place the motorcycle so that both tyres do not touch the ground using a specific support.
- Store the motorcycle in a cool, dry place, not exposed to sun rays and with minimum temperature variations.
- Wrap and tie a plastic bag around the exhaust pipe openings to keep moisture out.
- Do not use plastic or waterproof materials to cover the vehicle.

After storage

- Uncover and clean the vehicle.
- Check that the battery charge is OK and install the battery.
- Refill the fuel tank.
- Carry out the pre-ride checks.

CAUTION

AS A TEST, RIDE THE MOTORCYCLE FOR A FEW KILOMETRES AT A MODERATE SPEED AND AWAY FROM TRAFFIC AREAS.

Cleaning the vehicle

Clean the motorcycle frequently if exposed to adverse conditions, such as:

- Air pollution (cities and industrial areas)
- Salinity and humidity in the atmosphere (seashore areas, hot and wet weather).
- Special environmental/seasonal conditions (use of salt, anti-icing chemical products on the roads in winter).
- Make sure to clean off any industrial residue or polluting dirt as well as remove tar stains, dead insects, bird droppings, etc.
- Avoid parking your motorcycle under trees; in some seasons, as from the trees may fall residues, resins, fruits or leaves that contain chemicals which are harmful to the paintwork.

CAUTION



AFTER CLEANING YOUR MOTORCYCLE, BRAKING EFFICIENCY MAY BE TEMPORARILY AFFECTED DUE TO THE PRESENCE OF WATER ON THE FRICTION SURFACES OF THE BRAKING CIRCUIT. ALLOW LONGER BRAKING DISTANCES TO PREVENT ACCIDENTS. BRAKE REPEATEDLY TO RESTORE NORMAL OPERATION. CARRY OUT THE PRE-RIDE CHECKS.

To clean off dirt and mud deposited from painted surfaces, soften caked dirt with a low-pressure water jet. Sponge off using a car body sponge soaked in a car body shampoo and water solution (2 - 4% parts of shampoo in water).

Then rinse with plenty of water, and dry with a chamois leather. To clean the engine outer parts, use degreasing detergent, brushes and old cloths.

CAUTION

TO CLEAN THE HEADLIGHTS USE A SPONGE SOAKED IN WATER AND MILD DETERGENT, RUBBING THE SURFACE GENTLY AND RINSING FREQUENTLY WITH PLENTY OF WATER.

REMEMBER TO CLEAN THE VEHICLE CAREFULLY BEFORE ANY POLISHING WITH SILICON WAX.

DO NOT USE ABRASIVE PASTES TO POLISH MATT FINISH PAINTWORK.

THE VEHICLE SHOULD NEVER BE WASHED IN DIRECT SUNLIGHT, ESPECIALLY DURING SUMMER, WITH THE BODYWORK STILL HOT, AS THE SHAMPOO CAN DAMAGE THE PAINTWORK IF IT DRIES BEFORE BEING RINSED OFF.

DO NOT USE LIQUIDS AT TEMPERATURES OVER 40 °C WHEN CLEANING PLASTIC PARTS OF THE VEHICLE.

DO NOT AIM HIGH PRESSURE AIR/WATER JETS OR STEAM JETS DIRECTLY TO THE FOLLOWING PARTS: WHEEL HUBS, CONTROLS ON THE RIGHT AND LEFT SIDES OF THE HANDLEBAR, BEARINGS, BRAKE PUMPS, INSTRUMENTS AND GAUGES, MUFFLER EXHAUST, GLOVE-BOX/TOOL KIT COMPARTMENT, IGNITION SWITCH /STEERING LOCK, RADIATOR FINS, FUEL TANK CAP, HEADLAMPS AND ELECTRICAL CONNECTIONS.

DO NOT USE ALCOHOL, PETROL OR SOLVENTS TO CLEAN RUBBER AND PLASTIC PARTS. USE ONLY WATER AND NEUTRAL SOAP INSTEAD. DO NOT USE SOLVENTS OR PETROL BY-PRODUCTS (ACETONE, TRICHLOROETHYLENE, TURPENTINE, PETROL, THINNERS) TO CLEAN THE SADDLE. USE INSTEAD DETERGENTS WITH SURFACE ACTIVE AGENTS NOT EXCEEDING 5% (NEUTRAL SOAP, DEGREASING DETERGENTS) OR ALCOHOL. DRY THE SADDLE WELL AFTER CLEANING.

CAUTION

DO NOT APPLY PROTECTIVE WAX ON THE SADDLE AS IT MAY BECOME SLIPPERY.

Transport

CAUTION

BEFORE TRANSPORTING THE VEHICLE, EMPTY THE FUEL TANK WELL AND MAKE SURE IT IS PERFECTLY DRY.

DURING TRANSPORT, THE VEHICLE SHOULD BE AT ALL TIMES UPRIGHT AND WELL ANCHORED SO AS TO AVOID FUEL, OIL OR COOLANT LEAKS.

IN CASE OF FAILURE, DO NOT HAVE THE MOTORCYCLE TOWED. ASK FOR AN ADEQUATE ASSISTANCE.

EMPTYING THE FUEL TANK

CAUTION

FIRE HAZARD.

WAIT UNTIL THE ENGINE AND THE MUFFLER ARE COLD.

FUEL VAPOURS ARE HARMFUL TO HEALTH.

BEFORE ANY OPERATION, MAKE SURE THAT THE ROOM WHERE YOU ARE HAS ADEQUATE AIR VENTILATION.

DO NOT INHALE FUEL VAPOURS.

DO NOT DISPOSE OF FUEL INTO THE ENVIRONMENT.

- Rest the vehicle on its centre stand.
- Shut off the engine and wait until it cools off.
- Get a container, with more capacity than the fuel in the tank, and put it on the ground to the left of the vehicle.
- Remove the fuel tank cap.
- Use a hand-operated pump or a similar system to empty the fuel tank. Take care not to damage the pump unit (probe checking fuel level in the tank).

CAUTION

AFTER EMPTYING THE TANK, REFIT THE FUEL TANK CAP.

SCARABEO 125 i.e - 200 i.e.

aprilia



Chap. 05
Technical data

VEHICLE TECHNICAL DATA

Max. length	2040 mm
Max. width	720 mm
Max. height (to windshield)	1372 mm
Saddle height	810 mm
Wheelbase	1391 mm
Minimum ground clearance	145 mm
Weight in running order (kerb weight)	154 kg
Engine oil (Engine oil change and engine oil filter replacement)	1000 cm ³
Transmission oil	200 cm ³
Coolant	1.15 l (50% water + 50% ethylene glycol antifreeze fluid)
Seats	2
Vehicle max. load (rider + passenger + luggage)	210 kg
Gearbox	automatic continuous variator
Transmission	V-belt and gear reduction unit.
Chassis type	High-strength steel tubular chassis, single spar at the front, superimposed double cradle at the rear.

Steering rake	26.5°
Front suspension	Hydraulic action telescopic fork
Front suspension travel	104 mm
Rear suspension	hydraulic action double-acting shock absorber, adjustable preloading
Rear suspension travel	80 mm
Front disc	Ø 260 mm disc brake with hydraulic transmission
Rear drum	Ø 220-mm disc brake with hydraulic transmission
Wheel rims	Light alloy rims
Front wheel rim	2.50 x 16"
Rear wheel rim	3.00 x 16"
Tyre type	Without inner tube (Tubeless)
Front tyre	100/80 - 16" 50 P
Rear tyre	120/80 - 16" 60 P
Front tyre standard inflation pressure	200 kPa (2.0 bar)
Rear tyre standard inflation pressure	200 kPa (2.0 bar)
Front tyre standard inflation pressure with passenger	210 kPa (2.1 bar)
Rear tyre standard inflation pressure with passenger	220 kPa (2.2 bar)

Battery	12V - 10 Ah
FUSES	20 - 15 - 15 - 15 A
Alternator (permanent magnet type)	12 V - 330W at 8000 rpm

ENGINE TECHNICAL DATA

Engine model	BB01 (125) CB01 (200)
Engine type	Single-cylinder, 4-stroke, 4 valves, wet sump forced lubrication system, double overhead camshaft.
Total engine capacity	124.2 cm ³ (125) 180.8 cm ³ (200)
Bore / stroke	58 mm x 47 mm (125) 63 mm x 58 mm (200)
Compression ratio	12.0 ± 0.5 : 1 (125) 11.6 ± 0.5 : 1 (200)
Starter	Electrical
Idle speed	1900 ± 100 rpm (125) 1800 ± 100 rpm (200)

Clutch	Automatic centrifugal dry clutch
Gearbox	Automatic
Cooling	forced-circulation air cooling driven by a centrifugal pump
Fuel system	Electronic injection.
Throttle body diffuser	Ø 32 mm
Fuel	Premium unleaded petrol, minimum octane rating of 95 (NORM) and 85 (NOMM)
Ignition type	Electronic
Spark plug	NGK PMR9B

BULBS/WARNING LIGHTS

() Cannot be replaced*

High/low beam bulb	12 V 60/55 W H4
Tail light bulb	12V - 5W
Front and rear turn indicator bulbs	12V - 10 W (RY amber bulb)
License plate light bulb	12V - 5W
Rear daylight running light /stop light bulb	12V - 5/21W
Instrument panel lighting bulb (*)	LED

Turn indicator warning light (*)	LED
High beam warning light (*)	LED
Low fuel warning light (*)	LED
Engine oil pressure warning light (*)	LED
Electronic fuel injection check warning light (*)	LED



Kit equipment (05_01)

The tool kit «3» is located in the specific housing, in the glove-box.

Open the glove-box.

The tools supplied are:

- toolkit pouch;
- multiple screwdriver (crosshead and plain slot);
- 16 mm box-spanner;
- shock absorber adjustment wrench;
- 4 mm spanner for Allen screws.

SCARABEO 125 i.e - 200 i.e.

aprilia



**Chap. 06
Programmed
maintenance**

Scheduled maintenance table

CAUTION



FIRE HAZARD.

FUEL OR ANY OTHER INFLAMMABLE SUBSTANCES MUST NOT BE CLOSE TO ELECTRICAL COMPONENTS.

BEFORE ANY MAINTENANCE OPERATION OR INSPECTION ON THE MOTORCYCLE, SHUT OFF THE ENGINE AND REMOVE THE KEY. WAIT UNTIL THE ENGINE AND THE EXHAUST SYSTEM ARE COLD, IF POSSIBLE LIFT THE SCOOTER WITH A SPECIFIC TOOL ON A FIRM AND LEVEL GROUND.

BEFORE ANY OPERATION, MAKE SURE THAT THE ROOM WHERE YOU ARE HAS ADEQUATE AIR VENTILATION.

TO AVOID BURNS BE SPECIALLY CAREFUL WITH HOT ENGINE AND EXHAUST SYSTEM PARTS.

DO NOT HOLD ANY MECHANICAL OR OTHER MOTORCYCLE PARTS WITH YOUR MOUTH: MOTORCYCLE COMPONENT ARE NOT EDIBLE, ON THE CONTRARY SOME OF THEM ARE HARMFUL AND EVEN TOXIC.

NOTE

UNLESS OTHERWISE INDICATED, REFIT THE UNITS FOLLOWING THE REMOVAL STEPS BUT IN REVERSE ORDER.

WHEN CARRYING OUT MAINTENANCE OPERATIONS, IT IS ADVISABLE TO WEAR LATEX GLOVES.

In general terms, routine maintenance operations can be carried out by the owner; in some cases it is necessary to use specific tools and have some technical knowledge.

For servicing or technical advice, consult an **Official aprilia Dealer** for prompt and accurate service.

Ask your **Official aprilia Dealer** to test the vehicle on the road after a repair but nonetheless, personally carry out the Pre-ride Checks after a maintenance operation.

MAINTENANCE SCHEDULE

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

For this purpose, Aprilia offers a set of checks and maintenance services (at the owner's expense), which are included in the summary table shown on the following page. Any minor faults should be reported without delay to any **Official Aprilia Dealer** without waiting until the next scheduled service to solve it.

Punctual vehicle servicing is necessary for the correct use of the guarantee. For further information concerning Warranty procedures and Scheduled Maintenance, please refer to the Warranty Booklet.

ROUTINE MAINTENANCE TABLE

Km x 1,000	1	6	12	18	24	30	36	42	48	54	60
Driven pulley roller casing			L		L		L		L		L
Safety fasteners	I		I		I		I		I		I
Plastic bushing in variator cover			R		R		R		R		R
Clutch bell		C	C	C	C	C	C	C	C	C	C
Spark plug			R		R		R		R		R
Drive belt			R		R		R		R		R
Throttle control	A		A		A		A		A		A

Km x 1,000	1	6	12	18	24	30	36	42	48	54	60
Air filter		C	C	C	C	C	C	C	C	C	C
Transmission cover air deflector filter			I		I		I		I		I
Engine oil filter	R		R		R		R		R		R
Valve clearance			A		A		A		A		A
Braking systems	I	I	I	I	I	I	I	I	I	I	I
Electrical system and battery	I		I		I		I		I		I
Brake fluid **	I		I		I		I		I		I
Coolant level**	I		I		I		I		I		I
Hub oil	R		I		R		I		R		I
Engine oil*	R	I	R	I	R	I	R	I	R	I	R
Headlight direction adjustment			A		A		A		A		A
Sliding shoes / CVT rollers			R		R		R		R		R
Vehicle road test	I		I		I		I		I		I
Variator front movable half-pulley			I		I		I		I		I
Radiator			C				C				C
Wheels/ tyres	I	I	I	I	I	I	I	I	I	I	I
Suspension			I		I		I		I		I
Steering	I		I		I		I		I		I
Transmission			L		L		L		L		L
Fuel pipes***	I		I		I		I		I		I

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

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

* Check level every 3,000 km

** Replace every 2 years

*** Replace every 4 years

RECOMMENDED PRODUCTS TABLE

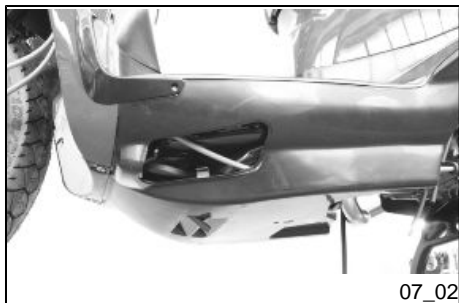
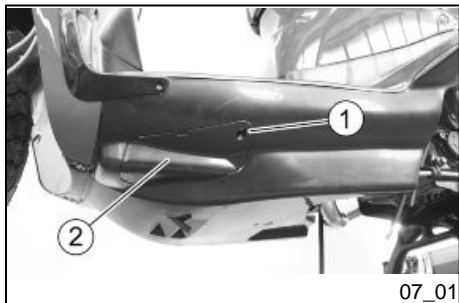
Product	Description	Specifications
AGIP TEC 4T, SAE 10W-40	Engine oil	10W-40
AGIP GEAR SYNTH SAE 75W-90	Gearbox oil	API GL4, GL5
AGIP FORK 7.5W	Fork oil	
AGIP GREASE SM2	Lithium grease with molybdenum for bearings and other points needing lubrication	NLG1 2
AGIP BRAKE 4	Brake fluid	FMVSS DOT4+
AGIP PERMANENT SPEZIAL	Coolant	Ready for use mixed biodegradable coolant with "long life" technology and characteristics (red). Freezing protection up to -40°C. Compliant with CUNA 956-16 standard.
AGIP FILTER OIL	Oil for air filter sponge	-
NEUTRAL GREASE OR PETROLEUM JELLY	BATTERY POLES	-

SCARABEO 125 i.e - 200 i.e.

aprilia



Chap. 07
Special fittings



Sidestand (07_01, 07_02)

The side stand is optional.
To access the fitting point:

- Undo the screw «1» of the cap «2» of the spoiler on the left of the vehicle;
- Remove the cap «2».

Luggage rack

The case plate and three different case models are optional:

- New Concept;
- City;
- Ovetto;

Windscreen (07_03)

The windshield is supplied as optional.

- If replacing the glass of the optional high windshield is required, first fit the high instrument panel frame supplied with the vehicle in the place of the instrument panel upper frame.



TABLE OF CONTENTS

A

Air filter: 63, 64

B

Battery: 72, 76

Brake: 69, 90

D

Disc brake: 90

Display: 21

E

Engine oil: 54, 55, 57, 58

F

Fuses: 77

H

Headlight: 85

Horn: 25

Hub oil: 58

I

Identification: 28

Instrument panel: 16

K

Key switch: 22

L

Light switch: 25

Luggage rack: 112

M

Maintenance: 53, 105, 106

Maintenance Table: 106

Mirrors: 90

R

rear-view mirrors: 90

S

Saddle: 27

Scheduled maintenance:
106

Shock absorber: 36

Spark plug: 60

Stand: 47

Start-up: 26

T

Technical data: 99

Tyres: 59



THE VALUE OF SERVICE

As a result of continuous technical updates and specific mechanic training programs for Aprilia products, only **Aprilia Official Network** mechanics know this vehicle fully and have the special tools necessary to carry out maintenance and repair operations correctly.

The reliability of the vehicle also depends on its mechanical state. Checking the vehicle before riding, its regular maintenance and using only **Original Aprilia Spare Parts** are essential!

For information about the nearest **Official Dealer and/or Service Centre**, consult the Yellow Pages or search directly on the inset map in our Official Website:

www.aprilia.com

Only by requesting Aprilia Original Spare Parts can you be sure of purchasing products that were developed and tested during the actual vehicle design stage. All Aprilia Original Spare Parts undergo quality control procedures to guarantee reliability and durability.

The descriptions and illustrations given in this publication are not binding; While the basic characteristics as described and illustrated in this booklet remain unchanged, Aprilia reserves the right, at any time and without being required to update this publication beforehand, to make any changes to components, parts or accessories, which it considers necessary to improve the product or which are required for manufacturing or construction reasons.

Not all versions/models shown in this publication are available in all Countries. The availability of individual versions/models should be confirmed with the official Aprilia sales network.

© Copyright 2009- Aprilia. All rights reserved. Reproduction of this publication in whole or in part is prohibited. Aprilia - After sales service.

The Aprilia trademark is the property of Piaggio & C. S.p.A.