

## **MOTO GUZZI WOULD LIKE TO THANK YOU**

for choosing one of its products. We have compiled 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 that it will continue to give you satisfactory service for many years to come. This booklet forms an integral part of the vehicle; should the vehicle be sold, it must be transferred to the new owner.

# **Moto Guzzi California**



The instructions in this manual have been prepared to offer mainly a simple and clear guide to its use; it also describes routine maintenance procedures and regular checks that should be carried out on the vehicle at an **authorised Moto Guzzi Dealer or 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 **authorised Moto Guzzi Dealer or 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 thoroughly and the "SAFE RIDING" section in particular. 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 in road traffic 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
  - Foreword..... 8
  - Motorcycle care..... 8
  - Carbon monoxide..... 11
  - Fuel..... 11
  - Hot components..... 12
  - Start off and Riding..... 12
  - The braking..... 13
  - Warning lights..... 13
  - Used engine oil and gearbox oil..... 14
  - Brake and clutch fluid..... 15
  - Battery hydrogen gas and electrolyte..... 15
  - Stand..... 16
  - Reporting of defects that affect safety..... 16
- VEHICLE**..... 17
  - Arrangement of the main components..... 19
  - Dashboard..... 21
  - Instrument panel..... 22
  - Light unit..... 23
  - Digital lcd display..... 24
    - Alarms..... 29
    - Mapping selection..... 31
    - Control buttons..... 33
    - Advanced functions..... 35
    - Ignition switch..... 40
    - Locking the steering wheel..... 41
    - Parking lights..... 42
  - Horn button..... 42
  - Switch direction indicators..... 43
  - High/low beam selector..... 43
  - Passing button..... 44
  - Daytime/night lights switch..... 45
  - Heated handgrip control..... 45

- Flasher button..... 46
- Start-up button..... 47
- Engine stop switch..... 47
- Button Cruise Control..... 47
- System ABS..... 49
- MGTC system(Moto Guzzi Controllo Trazione)..... 53
  - Opening the saddle..... 55
- Identification..... 56
- Provision for the installation of accessories..... 57
- USE**..... 59
  - Checks..... 60
  - Refuelling..... 63
  - Rear shock absorbers adjustment..... 64
    - Rear shock absorbers setting..... 65
  - Front fork adjustment..... 66
  - Justering af greb til forbremse..... 66
  - Clutch lever adjustment..... 67
  - Running in..... 67
  - Starting up the engine..... 68
  - Parking..... 68
  - Catalytic silencer..... 69
  - Stand..... 70
  - Suggestion to prevent theft..... 71
  - Basic safety rules..... 72
- MAINTENANCE**..... 77
  - Foreword..... 78
    - Engine oil level check..... 78
    - Engine oil top-up..... 80
    - Engine oil change..... 81
    - Engine oil filter replacement..... 81
  - Universal joint oil level..... 81
  - Gearbox oil level..... 82
  - Tyres..... 82

Spark plug dismantlement.....	84
Removing the air filter.....	84
Checking the brake oil level.....	85
Braking system fluid top up.....	85
Checking clutch fluid.....	86
Topping up clutch fluid.....	86
Use of a new battery.....	86
Checking the electrolyte level.....	87
Charging the battery.....	87
Long periods of inactivity.....	88
Fuses.....	89
Lamps.....	92
Headlight adjustment.....	95
Front direction indicators.....	96
Additional light activation.....	97
Bulb replacement.....	98
Rear optical unit.....	99
Rear turn indicators.....	99
Number plate light.....	100
Rear-view mirrors.....	100
Front and rear disc brake.....	101
Periods of inactivity.....	103
Cleaning the vehicle.....	104
<b>TECHNICAL DATA.....</b>	<b>111</b>
Kit equipment.....	119
<b>PROGRAMMED MAINTENANCE.....</b>	<b>121</b>
Scheduled maintenance table.....	122
<b>SPECIAL FITTINGS.....</b>	<b>127</b>
Accessories index.....	128

# Moto Guzzi California



**Chap. 01**  
**General rules**

## Foreword

### NOTE

**CARRY OUT MAINTENANCE OPERATIONS AT HALF THE INTERVALS SPECIFIED IF THE VEHICLE IS USED IN PARTICULAR RAINY OR DUSTY CONDITIONS, OFF ROAD OR FOR TRACK USE.**

## Motorcycle care

Moto Guzzi recommends using quality products for cleaning the vehicle. The use of unsuitable products can damage vehicle components. For cleaning do not use solvents such as "nitro thinner", "cold cleaning agents", or similar fuels, or cleaning products that contain alcohol.

### WASHING THE MOTORCYCLE

Moto Guzzi recommends softening with water and then carefully removing the insects and stubborn stains before washing the vehicle.

To prevent stains, do not wash the motorcycle immediately after exposure to sunlight, and do not wash it in the sun.

If the vehicle is used during the winter months, be sure to frequently wash your motorcycle. To remove anti-icing salt sprayed on roads in the winter, wash the motorcycle with cold water immediately after use.

### CAUTION

**AFTER CLEANING YOUR MOTORCYCLE, THE EFFICIENCY OF THE BRAKING SYSTEM MAY BE TEMPORARILY AFFECTED DUE TO THE PRESENCE OF WATER ON THE FRICTION SURFACES. CONSIDER AN INCREASE IN BRAKING SPACE, OPERATE THE BRAKES REPEATEDLY TO RESTORE NORMAL CONDITIONS. CARRY OUT THE PRE-RIDE CHECKS BEFORE USE.**





**USE OF HOT WATER INTENSIFIES THE EFFECT OF THE SALT. USE ONLY PLENTY OF COLD WATER TO WASH AND REMOVE ANTI-ICING SALT**



**USE OF HIGH PRESSURE WASHING SYSTEMS (OR STEAM CLEANERS) CAN DAMAGE THE SEALS, OIL SEALS, BRAKING SYSTEM, ELECTRICAL SYSTEM AND THE SADDLE. DO NOT USE STEAM OR HIGH PRESSURE CLEANING SYSTEMS.**

## **CLEANING OF SENSITIVE PARTS**

### **BODYWORK**

To keep the motorcycle bright, wash it regularly, especially if used in areas with high levels of pollution or mud. Aggressive stains from tree resins, gasoline, oil, brake fluid or bird excrement in general

must be removed immediately, otherwise permanent stains on the paint can appear. After washing it is easy to identify marks and residual stains, remove them from the body using a soft cloth and brand-name, non-abrasive polish, and protect with a protective wax for cars. Periodic care, a thorough cleaning and regular protective wax for the bodywork preserves the aesthetic quality of the motorcycle over the long term.

### **PLASTIC COMPONENTS**



**IF THE PLASTIC COMPONENTS ARE CLEANED USING AGGRESSIVE AGENTS, THE SURFACE MAY BE DAMAGED. DO NOT USE CLEANING PRODUCTS CONTAINING ALCOHOL, SOLVENTS OR THAT ARE ABRASIVE FOR THE CLEANING**

**OF PLASTIC PARTS. ROTARY BRUSHES OR SPONGES WITH HARD SURFACES CAN MAKE SCRATCHES**

#### **CHROME PARTS AND POLISHED METAL**



**TREAT THE PARTS MADE OF CHROME, ALUMINIUM OR POLISHED STEEL IN A SPECIAL MANNER. WASH THEM WITH PLENTY OF WATER AND CAR SHAMPOO, POLISH AND REGULARLY BRIGHTEN THEM WITH POLISH PASTE, PROTECT THEM WITH WAXES OR SUITABLE ACID-FREE PRODUCTS (E.G. VASELINE)**

#### **RADIATOR**



**IF USING THE MOTORCYCLE IN THE WINTER ON ROADS WITH DEICING SALT, REGULARLY WASH THE RADIATOR TO PREVENT AESTHETIC DAMAGE AND THE ENGINE FROM OVERHEATING. WASH USING PLENTY OF WATER. FOR EXAMPLE USE GARDEN RUBBER WITH WATER AT LOW PRESSURE.**

#### **RUBBER PARTS**

Clean the rubber parts using water and mild shampoo (brand-name, suitable for car bodies)



**THE USE OF SILICONE SPRAY TO CLEAN THE RUBBER SEALS MAY CAUSE DAMAGE. DO NOT USE OTHER PRODUCTS CONTAINING SILICON FOR CLEANING THE MOTORCYCLE**

## **Carbon monoxide**

If you need to keep the engine running in order to perform a procedure, please ensure that you do so in an open or very well ventilated area. Never let the engine run in an enclosed area. If you do work in an enclosed area, make sure to use a smoke-extraction system.

### **CAUTION**



**EXHAUST EMISSIONS CONTAIN CARBON MONOXIDE, A POISONOUS GAS WHICH CAN CAUSE LOSS OF CONSCIOUSNESS AND EVEN DEATH.**

## **Fuel**

### **CAUTION**



**THE FUEL USED TO POWER INTERNAL COMBUSTION ENGINES IS HIGHLY FLAMMABLE AND MAY BE EXPLOSIVE UNDER CERTAIN CONDITIONS. IT IS THEREFORE RECOMMENDED TO CARRY OUT REFUELLING AND MAINTENANCE PROCEDURES IN A VENTILATED AREA WITH THE ENGINE SWITCHED OFF. DO NOT SMOKE DURING REFUELLING OR NEAR FUEL VAPOUR. AVOID**

**ANY CONTACT WITH NAKED FLAME, SPARKS OR OTHER HEAT SOURCES WHICH MAY CAUSE IGNITION OR EXPLOSION.**

**DO NOT ALLOW FUEL TO DISPERSE INTO THE ENVIRONMENT.**

**KEEP OUT OF THE REACH OF CHILDREN.**



**VEHICLE FALL OR EXCESSIVE INCLINATION CAN CAUSE FUEL TO SPILL OUT.**

## **Hot components**

The engine and the exhaust system components get very hot and remain in this condition for a certain time interval after the engine has been switched off. Before handling these components, make sure that you are wearing insulating gloves or wait until the engine and the exhaust system have cooled down.

## **Start off and Riding**

### **NOTE**

**TAKE PARTICULAR CARE WHEN NEGOTIATING BENDS, AS BANKING EXCESSIVELY MAY COULD CAUSE DAMAGE TO THE MOTORCYCLE. APPROACH BENDS WITH CAUTION AND AT AN APPROPRIATE SPEED.**

**CAUTION**

IF THE FUEL RESERVE WARNING LAMP ILLUMINATES WHILE RIDING, THIS INDICATES THAT THE FUEL LEVEL IS LOW AND ONLY LIMITED RANGE IS REMAINING.

REFUEL AS SOON AS POSSIBLE.

**The braking****CAUTION**

STOP THE VEHICLE MAINLY USING THE FRONT BRAKE. THE REAR BRAKE MUST ONLY BE USED TO BALANCE THE BRAKING EFFECT, AND ONLY TOGETHER WITH THE FRONT BRAKE.

**Warning lights**

IF IF THE ALARM WARNING LAMP LIGHTS AND THE MESSAGE "SERVICE" OR "URGENT SERVICE" IS DISPLAYED WHILE THE ENGINE IS RUNNING NORMALLY, THIS INDICATES THAT THE ELECTRONIC CONTROL UNIT HAS DETECTED A FAILURE.

IN MANY CASES THE ENGINE WILL CONTINUE TO OPERATE WITH LIMITED PERFORMANCE; IMMEDIATELY CONTACT AN Official Moto Guzzi Dealer.



IF THE ALARM WARNING LIGHT AND THE WORD ON THE ENGINE OIL PRESSURE DISPLAY REMAIN ON, OR IF THEY TURN ON DURING ENGINE REGULAR OPERATION, IT MEANS THAT THE OIL PRESSURE IN THE CIRCUIT IS TOO

**LOW. IN THIS CASE THE ENGINE MUST BE IMMEDIATELY SHUT OFF IN ORDER TO AVOID ANY POSSIBLE DAMAGE.**



**CARRY OUT ENGINE OIL LEVEL CHECK. IF THE OIL PRESSURE LEVEL REMAINS LOW ALTHOUGH THE PROCEDURE DESCRIBED ABOVE HAS BEEN PROPERLY CARRIED OUT, CONTACT AN OFFICIAL Moto Guzzi DEALER TO HAVE THE CIRCUIT CHECKED.**

## **Used engine oil and gearbox oil**

### **CAUTION**



**IT IS ADVISABLE TO WEAR PROTECTIVE IMPERMEABLE GLOVES WHEN SERVICING THE VEHICLE.**

**THE ENGINE OR GEARBOX OIL MAY CAUSE SERIOUS INJURIES TO THE SKIN IF HANDLED FOR PROLONGED PERIODS OF TIME AND ON A REGULAR BASIS.**

**WASH YOUR HANDS CAREFULLY AFTER HANDLING OIL.**

**HAND THE OIL OVER TO OR HAVE IT COLLECTED BY THE NEAREST USED OIL RECYCLING COMPANY OR THE SUPPLIER.**

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

**KEEP OUT OF THE REACH OF CHILDREN.**

## Brake and clutch fluid

### Brake and clutch fluid



**BRAKE AND CLUTCH FLUIDS CAN DAMAGE THE PLASTIC OR RUBBER PAINTED SURFACES. WHEN SERVICING THE BRAKING SYSTEM OR THE CLUTCH SYSTEM, PROTECT THESE COMPONENTS WITH A CLEAN CLOTH. ALWAYS WEAR PROTECTIVE GOGGLES WHEN SERVICING THESE SYSTEMS. BRAKE AND CLUTCH FLUIDS ARE EXTREMELY HARMFUL FOR YOUR EYES. IN THE EVENT OF ACCIDENTAL CONTACT WITH THE EYES, RINSE THEM IMMEDIATELY WITH ABUNDANT COLD, CLEAN WATER AND SEEK MEDICAL ADVICE.**

**KEEP OUT OF THE REACH OF CHILDREN.**

## Battery hydrogen gas and electrolyte

### CAUTION



**THE BATTERY ELECTROLYTE IS TOXIC, CORROSIVE AND AS IT CONTAINS SULPHURIC ACID, IT CAN CAUSE BURNS WHEN IN CONTACT WITH THE SKIN. WHEN HANDLING BATTERY ELECTROLYTE, WEAR TIGHT-FITTING GLOVES AND PROTECTIVE APPAREL. IN THE EVENT OF SKIN CONTACT WITH THE ELECTROLYTIC FLUID, RINSE WELL WITH PLENTY OF CLEAN WATER. IT IS PARTICULARLY IMPORTANT TO PROTECT YOUR EYES BECAUSE EVEN TINY AMOUNTS OF BATTERY ACID MAY CAUSE BLINDNESS. IF THE FLUID GETS IN CONTACT WITH YOUR EYES, WASH WITH ABUNDANT WATER FOR FIFTEEN MINUTES AND CONSULT AN EYE SPECIALIST IMMEDIATELY. THE BATTERY RELEASES EXPLOSIVE GASES; KEEP IT AWAY FROM FLAMES, SPARKS, CIGARETTES OR ANY OTHER HEAT SOURCES. ENSURE ADEQUATE VENTILATION WHEN SERVICING OR RECHARGING THE BATTERY.**

**KEEP OUT OF THE REACH OF CHILDREN.**

**BATTERY LIQUID IS CORROSIVE. DO NOT POUR OR SPILL ON PLASTIC COMPONENTS IN PARTICULAR. ENSURE THAT THE ELECTROLYTIC ACID IS COMPATIBLE WITH THE BATTERY BEING ACTIVATED.**

## **Stand**



**BEFORE SETTING OFF, MAKE SURE THE STAND HAS BEEN COMPLETELY RETRACTED TO ITS POSITION.**

**DO NOT REST THE RIDER'S OR PASSENGER'S WEIGHT ON THE SIDE STAND.**

## **Reporting of defects that affect safety**

Unless otherwise specified in this Use and Maintenance Booklet, do not remove any mechanical or electrical component.

### **CAUTION**

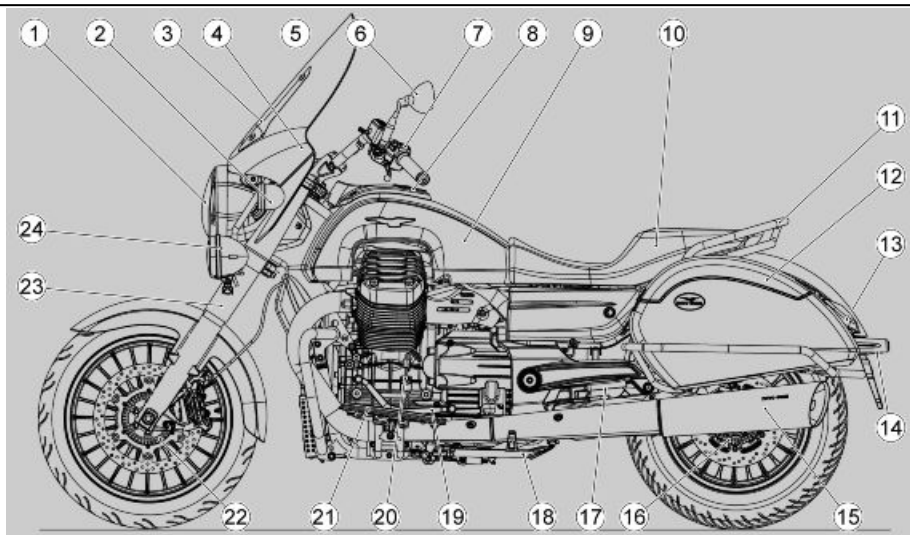
**SOME CONNECTORS IN THE VEHICLE MAY BE ACCIDENTALLY SWAPPED AND MAY COMPROMISE NORMAL VEHICLE OPERATION IF INCORRECTLY INSTALLED.**



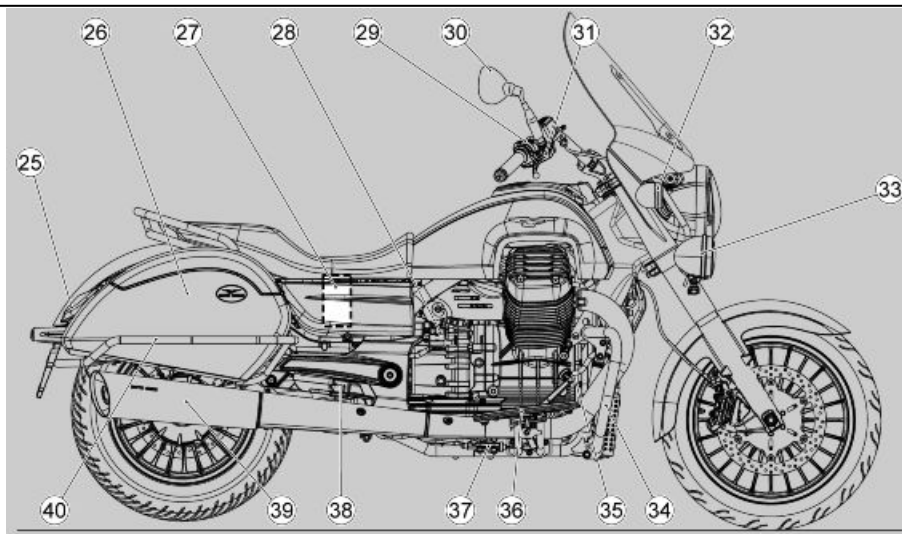
# Moto Guzzi California



**Chap. 02**  
**Vehicle**



02\_01



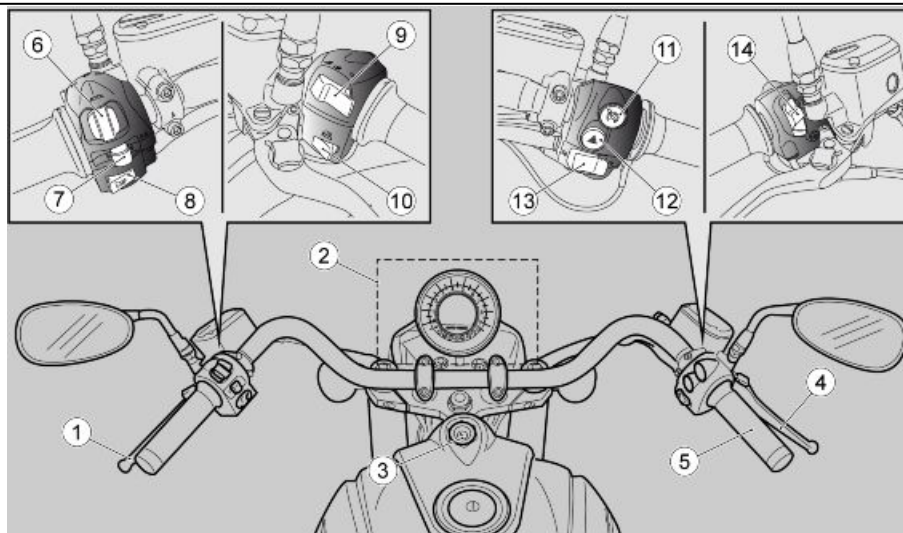
02\_02

### Arrangement of the main components (02\_02)

**key:**

1. Front headlight assembly
2. Front left turn indicator
3. Windshield (if applicable)
4. Instrument panel
5. Clutch pump
6. Left rear-view mirror
7. Left light switch
8. Fuel tank cap
9. Fuel tank
10. Rider/passenger saddle
11. Passenger handgrip (if applicable)

12. Left side saddle pannier (if applicable)
13. Brake light/left rear turn indicator
14. License plate light
15. Left silencer
16. Rear tone wheel
17. Left hand passenger footrest
18. Side stand
19. Gear lever
20. Engine oil level dipstick
21. Left rider footrest
22. Front tone wheel
23. Front fork
24. Left fog light (if applicable)
25. Brake light/right rear turn indicator
26. Rear right shock absorber
27. Battery
28. Rear brake pump reservoir
29. Right hand light switch
30. Right rear-view mirror
31. Front brake pump
32. Front right turn indicator
33. Right fog light (if applicable)
34. Engine protection (if applicable)
35. Rear brake lever
36. Right hand rider footrest
37. Rear brake pump
38. Right hand passenger footrest
39. Right silencer
40. Luggage protection (if applicable)



02\_03

## Dashboard (02\_03)

### Instrument panel / controls location key:

1. Clutch control lever
2. Instruments and gauges
3. Ignition switch /steering lock
4. Front brake lever
5. Throttle grip
6. MODE switch
7. Turn indicator switch
8. Horn button
9. Light switch
10. Heated handgrip button (if applicable)
11. Cruise control button
12. Emergency telltale light button

13. Starter button and engine stop switch (On/Off)
14. Day/night lights mode switch

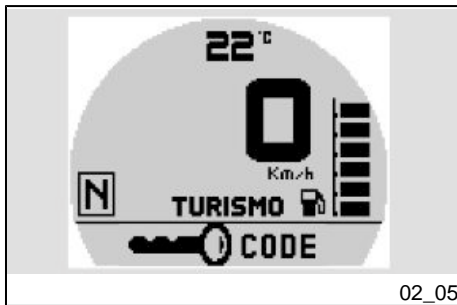
## Instrument panel (02\_04, 02\_05)

key:

1. Rpm indicator
2. Multifunctional digital display
3. Warning lights



02\_04



02\_05

### CAUTION

**PROLONGED EXPOSURE OF THE INSTRUMENT PANEL TO DIRECT SUNLIGHT WHILE THE MOTORCYCLE IS STATIONARY MAY CAUSE A TEMPORARY REDUCTION IN CONTRAST OF THE DIGITAL DISPLAY. THE DISPLAY WILL RETURN TO NORMAL ONCE IT HAS COOLED.**

The instrument panel has an immobilizer which prevents start-up in case the system does not identify a key which has been programmed before.

The vehicle is supplied with two keys already programmed. The instrument panel accepts a maximum of four keys at the same time: contact an Official Moto Guzzi dealer to enable these keys or to disable a key that has been lost.

On start-up of the vehicle, for about ten seconds after the key is turned to the ON position, the instrument panel reminds the rider to enter a five digit personal code. This request is no longer displayed once the personal code is entered. For code entering procedure, see the CHANGE THE CODE section

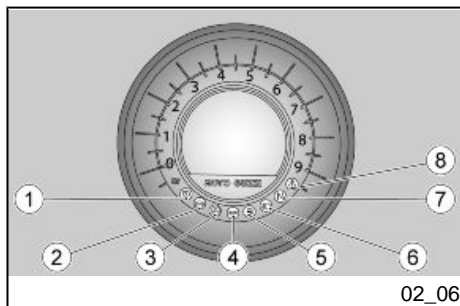
It is important to remember the personal code because:

- the vehicle can be started if the immobilizer system is faulty
- the instrument panel need not be replaced should the ignition switch be changed
- new keys can be programmed

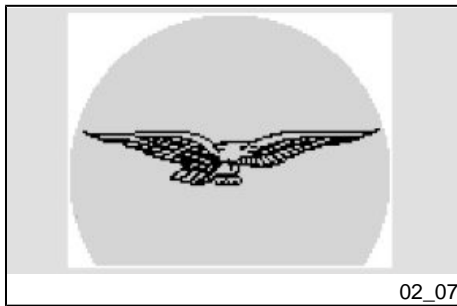
## Light unit (02\_06)

key:

1. Cruise control warning light (green)
2. ABS (Anti-lock Braking System) warning light (orange)
3. MGCT (Moto Guzzi Controllo Trazione) warning light (orange)
4. Turn indicator warning light (green)
5. Low fuel warning light (orange)
6. High beam warning light (blue)
7. Gear in neutral warning light (green)
8. General warning light (red)



02\_06



### Digital lcd display (02\_07, 02\_08, 02\_09, 02\_10, 02\_11, 02\_12, 02\_13, 02\_14, 02\_15, 02\_16)

The following indicators will light up for a couple of seconds on the instrument panel when the ignition key is set to "ON":

- the Moto Guzzi logo;
- all the warning lights;
- the back lighting. When the daytime light function is activated the back lighting switches off after the key is turned ON.

The RPM indicator needle goes to the maximum value and then returns to zero.

After two seconds, all instruments immediately show the current value of the measurements read.



#### NOTE

**EVERY TIME THE SELECTOR IS HELD DOWN TO THE RIGHT OR LEFT THE RIDER CAN GO FROM TRIP 1 TRIP2.**





The standard settings that can be viewed on the display are:

#### TRIP 1/TRIP 2 MODE

- 1) Ice alarm (can be displayed with temperature lower than 4°);
- 2) Ambient temperature (can be displayed in C° or in F°);
- 3) Any service key;
- 4) Speed (speedometer) (can be displayed in Kph or in Mph);
- 5) Gear selected;
- 6) Fuel level;
- 7) Any indication relative to power limitation in the ECU;
- 8) Selected engine mapping;
- 9) Trip computer or any alarms, specifically:

- total odometer
- Trip odometer
- Travelling time
- Average travelling speed
- Average fuel consumption
- Instant fuel consumption
- Reserve travel
- Battery voltage
- Clock

ONLY WITH THE VEHICLE AT A STANDSTILL:

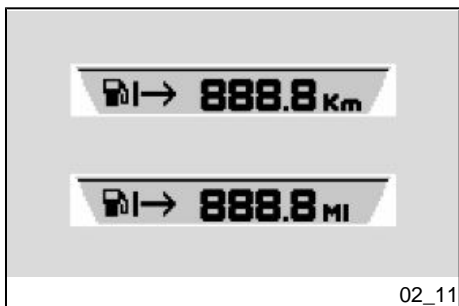
- Menu
- MGCT (Moto Guzzi Controllo Trazione)



## FUEL LEVEL

On the digital display, on the right hand side, the fuel level in the tank can be viewed through a series of bars (6).

When the fuel level drops far enough for only one bar to stay lit on the digital display the fuel reserve warning light will turn on

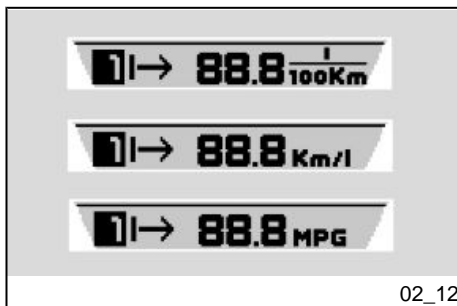


Two kilometres after the low fuel warning light turns on, the kilometres travelled with low fuel are shown on the digital display.

When the reserve fuel warning light is active, pressing a MODE control button will cause it to disappear and reappear 60 seconds later.

### NOTE

**THE FUEL LEVEL INDICATION MAY CHANGE DEPENDING ON THE INCLINATION OF THE MOTORCYCLE WHEN IT IS ON THE SIDE STAND AS OPPOSED TO WHEN IT IS IN MOTION.**



The instrument panel can display instantaneous fuel consumption.

The instrument panel can display average fuel consumption since the last journey log reset.



When the thresholds of the maintenance intervals have been exceeded an adjustable spanner icon will appear (3). Having a **Moto Guzzi Dealership or authorised garage** carry out scheduled service will eliminate this indication.

With the key set to "KEY OFF" the general alarm warning light flashes to indicate activation of the locking system. To minimise battery consumption the light stops flashing after 50 hours.



#### ICE ALARM

If the external temperature drops below 4 C° (39.2 F°), the ice symbol will appear in the upper part of the digital display (1). Therefore, be particularly careful when riding.

When this temperature rises the symbol will disappear.



### BATTERY VOLTAGE

In this mode the correct battery voltage can be viewed



### TIME ADJUSTMENT

The clock can be programmed with this option. To access this function press and hold in the MODE button. Within this function, each time the right or left selector is pressed, the time will be increased or decreased by one hour. Once 12 has been reached, the next press of the selector will return to 1.

Hold down the selector to store the value and shift to the minute adjustment mode.

Each time the right or left selector is pressed, the minutes value will be increased or decreased. Once 59 has been reached, the next press of the selector will return to 0.

To end the procedure press and hold in the selector.

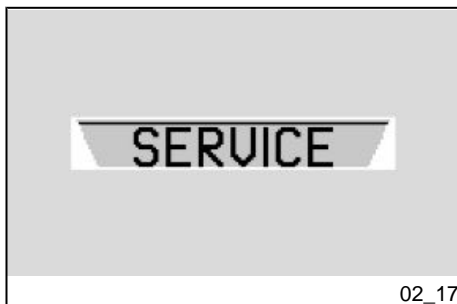
## Alarms (02\_17, 02\_18, 02\_19, 02\_20, 02\_21)

In case of failure, a different icon is displayed according to the cause at the bottom of the display.

See an Official **Moto Guzzi** Dealership as soon as possible.

### SERVICE ALARM

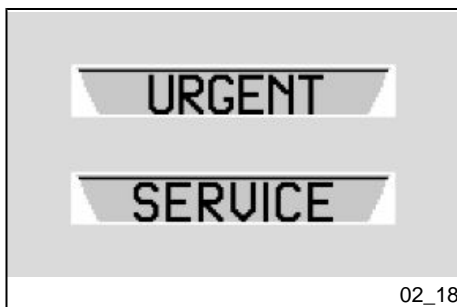
In case of failure found in the instrument panel or in the electronic control unit, the instrument panel signals the failure by displaying the word SERVICE and the red general warning light turns on.

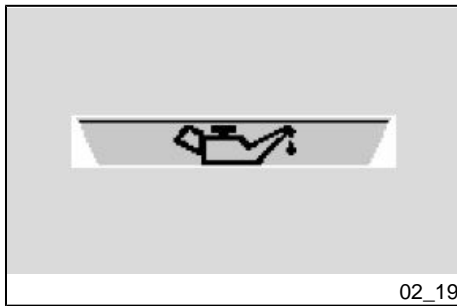


If there is an immobilizer failure at ignition, the instrument panel requests you to enter a user code. If the code is entered correctly, the instrument panel signals the failure by displaying the word SERVICE and the red general warning light turns on.

### URGENT SERVICE ALARM

A serious failure is signalled by a fast flashing (two flashes per second) of the general warning light and by the URGENT and SERVICE words alternately being shown on the digital display. See an Official **Moto Guzzi** Dealership as soon as possible. In these cases the ECU activates a safety procedure limiting vehicle performance in order to allow the rider to go to an Official **Moto Guzzi** Dealership at a reduced speed. According to the type of failure, performance can be limited in two ways: a) by reducing the maximum torque produced; b) by keeping the engine at idle speed but slightly accelerated (during this operation, the throttle control is disabled).





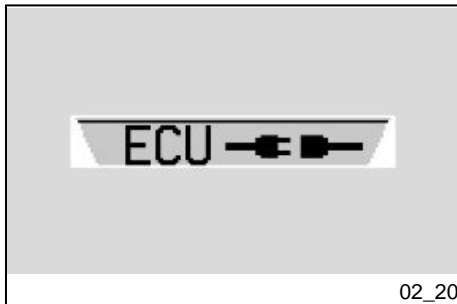
### Oil failure

In case of oil pressure or oil pressure sensor failure, the instrument panel will signal the fault with the flask and the steady lighting of the red general alarm warning light.

### CAUTION

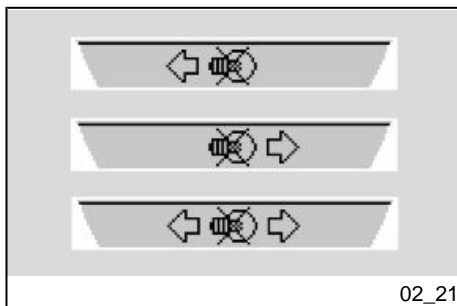
**IF THIS SIGNAL APPEARS WHEN THE KEY IS TURNED ON (STEADY LIGHTING OF THE WARNING LIGHT), A SENSOR FAULT IS SIGNALLED AND THERE IS NO IMMEDIATE DANGER FOR THE ENGINE.**

**IF THE SIGNAL APPEARS AFTER ENGINE IGNITION (THE WARNING LIGHT IS FLASHING), AN OIL PRESSURE FAULT IS SIGNALLED; SWITCH OFF THE ENGINE IMMEDIATELY AND TAKE THE MOTORCYCLE TO AN Official Moto Guzzi Dealership USING A ROADSIDE ASSISTANCE VEHICLE.**



### Electronic control unit disconnected alarm

In case no connection is detected, the disconnection icon is displayed on the instrument panel and the red general warning light turns on to signal this condition.



### Turn indicator malfunction

When the instrument panel detects a failing turn indicator, the turn indicator warning light flashes twice as fast and the problem is signalled on the digital display.



### Mapping selection (02\_22)

The engine management electronic control unit has 3 different electronic acceleration "mappings" which are displayed as follows in the upper left hand part of the dashboard digital display (8):

- TURISMO
- VELOCE
- PIOGGIA

The **TURISMO** mode is designed for touring use of the vehicle.

**VELOCE** mode is the most reactive and is designed for sport use of the vehicle.

#### CAUTION

**ONLY EXPERT RIDERS, RIDING ON ROADS WITH GOOD GRIP ARE ADVISED TO USE THIS MODE. IT IS NOT RECOMMENDED FOR WET SURFACES AND/OR ROADS WITH LOW GRIP.**

The **PIOGGIA** mode is designed for use of the vehicle on wet surfaces or in conditions of poor grip. The system reduces the maximum torque supplied by the engine and

smoothly delivers it so as to prevent loss of grip. In this mode, the vehicle performance is limited, and therefore, the maximum speed cannot be reached.

**EVEN IN THIS MODE, ALWAYS USE PARTICULAR CAUTION WHEN RIDING IN POOR GRIP CONDITIONS.**

Passing through the various mappings takes place by acting on the starter button which, 5 seconds after the engine is started, takes on the function of mapping selection button

**CAUTION**

**MAP SELECTION IS ONLY PERMITTED WITH THE ENGINE RUNNING AND THE THROTTLE RELEASED. MAP SELECTION IS ALSO POSSIBLE WITH THE MOTORCYCLE IN MOTION, PROVIDED THAT THE THROTTLE GRIP IS RELEASED.**

To change mappings, proceed as follows:

- press the button once and the symbol for the mapping currently being used is shown "in negative" on the display
- press the button a second time, and within 1.5 seconds from the first pressing, the next mapping is selected and highlighted "in negative" on the display. If more than 1.5 seconds elapse and the button is not pressed again (the next mapping is otherwise selected) and without twisting the throttle control, the new mapping is highlighted "in positive" on the display. This means that the new mapping is applied for all practical purposes.

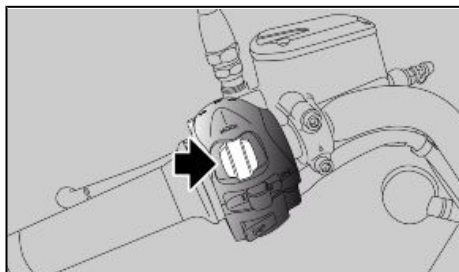
**CAUTION**

**IN CASE THE THROTTLE GRIP IS TWISTED WHEN THE NEW MAPPING CHOSEN IS HIGHLIGHTED "IN NEGATIVE" ON THE DISPLAY, HENCE STILL BEING ACCEPTED BY THE ECU, THE NEW MAPPING SELECTED STARTS FLASHING "IN POSITIVE" ON THE DISPLAY, BUT WILL NOT BE ACTUALLY APPLIED UNLESS THE THROTTLE CONTROL IS RELEASED.**



## Control buttons (02\_23, 02\_24, 02\_25, 02\_26, 02\_27)

- Turn the selector to the right (RH) or left (LH) to scroll the options within the MENU.
- Press the selector to confirm the selected data.



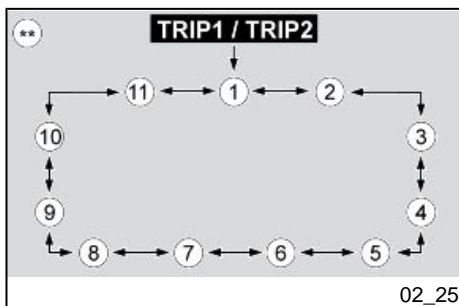
02\_23



02\_24

### Trip journal 1 and 2

Two trip journals are available (\*).



02\_25

Press and hold down the MODE control to the left to select the TRIP JOURNAL 1; icon "1" on the DIGITAL DISPLAY turns on.

Press and hold down the MODE control to the right to select the TRIP JOURNAL 2; icon "2" on the DIGITAL DISPLAY turns on.

In both journals, each time the MODE control is pressed briefly to the right or left, the following information is displayed in sequence (\*\*):

TOTAL ODOMETER (1)

TRIP ODOMETER (2)

TRAVELLING TIME (3)

AVERAGE TRAVELLING SPEED (4)

AVERAGE FUEL CONSUMPTION (5)

INSTANT FUEL CONSUMPTION (6)

RESERVE TRAVEL (7)

BATTERY VOLTAGE (8)

CLOCK (9)

MENU (only with the vehicle at a standstill) (10)

MGCT (Moto Guzzi Controllo Trazione) (Only with the vehicle at a standstill) (11)

With the following options: TRIP ODOMETER, TRAVELLING TIME, AVERAGE TRAVELLING SPEED, AVERAGE FUEL CONSUMPTION pressing in and holding the central button resets all the indications stored in the active TRIP LOG.



### **MGCT (Moto Guzzi Controllo Trazione)**

Scrolling through TRIP 1 or TRIP 2 by short pressing the MODE control to the left or right, it is possible to display the MGCT option.

By short pressing the MODE control in a central position the rider can access the MGCT function.

By moving the selector to the right, holding it down, the system turns on and the value "1" (minimum intervention) appears on the display.

The MGCT warning light will be flashing.

By moving the selector to the right, pressing it briefly, the intervention level increases up to a maximum of "3" (Maximum intervention).

**NOTE**

**EVERY TIME THE SET VALUE IS MODIFIED, THE NUMERIC SYMBOL IS DISPLAYED IN NEGATIVE (BLINKS) FOR 2 SECONDS BEFORE BEING CONFIRMED**

To deactivate the system, from value "1", turn the selector to the left, holding it down, until the value "-" appears.

The MGCT warning light will be on steady.

To exit the MGCT function short press the selector or set off on the motorcycle.

**NOTE**

**THE FIRST TIME THE BATTERY IS CONNECTED THE MGCT WARNING LIGHT IS ON STEAD (SYSTEM NOT ACTIVE)**

**NOTE**

**ONCE THE MOTORCYCLE IGNITION SWITCH IS TURNED OFF, AT THE NEXT START UP THE MGCT SYSTEM MAINTAINS THE PREVIOUSLY SELECTED SETTINGS.**

### **Advanced functions (02\_28, 02\_29, 02\_30, 02\_31, 02\_32, 02\_33, 02\_34)**

**MENU**

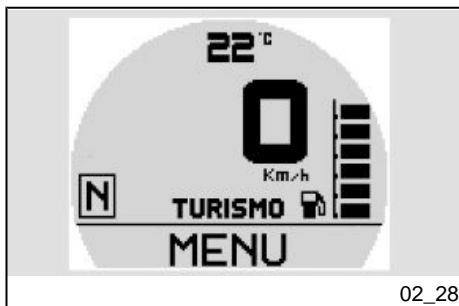
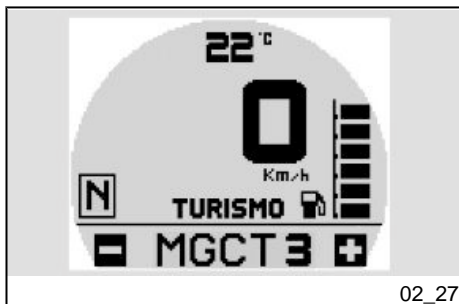
The function can be selected only with the vehicle at a standstill. It sets the parameter display mode in the different configurations.

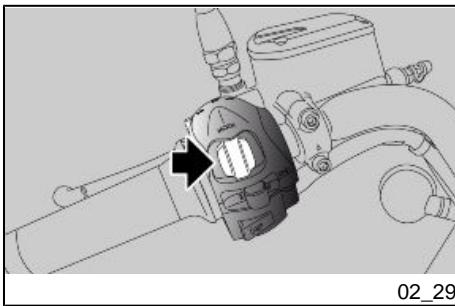
To access the MENU function:

with the MENU function displayed, hold down the selector on MENU.

The configuration menu options are:

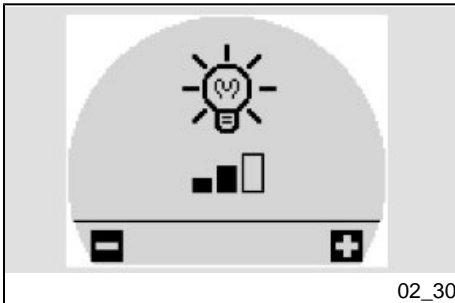
- EXIT
- BACKLIGHTING





02\_29

- CALIBRATION
- C° / F°
- FUEL CONSUMPTION
- CHANGE THE CODE
- LANGUAGE
- SERVICE



02\_30

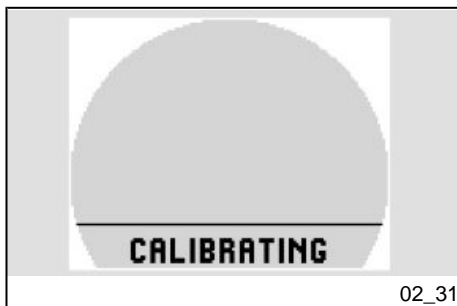
### BACKLIGHTING

This function adjusts backlighting to three brightness levels.

Once you have entered this function and each time the selector is pressed, the following icons are cyclically displayed:

- MIN (one full bar)
- MID (two full bars)
- MAX (three full bars)

At the end of the operation, with a short press of the selector, the instrument panel will return to the initial screen.



02\_31

## CALIBRATION

Select the CALIBRATION function from the configuration menu to access the CALIBRATION function.

When the CALIBRATION function is selected (with vehicle at a standstill), a screen is shown with the following message at the bottom of the display:

### CALIBRATING

To calibrate the MGCT (Moto Guzzi Controllo Trazione) system, ride about 10 seconds on a flat, straight section of road in second gear at a speed of 30 +/- 2 km/h (18.64 +/- 1.24 mph) until CALIBRATION appears on the display.

### NOTE

**ONCE THE MESSAGE 'CALIBRATING' CEASES TO BE DISPLAYED, STOP THE VEHICLE, TURN THE IGNITION SWITCH OFF AND LEAVE OFF FOR AT LEAST 30 SECONDS TO COMPLETE THE CALIBRATION PROCEDURE.**

**THIS ALLOWS THE CALIBRATION TO BE STORED IN THE MEMORY.**

### NOTE

**CALIBRATION IS NEEDED TO OPTIMISE MGCT FUNCTIONALITY IN THE EVENT OF CHANGING TYRE TYPE.**

**IF TYRES OTHER THAN THOSE INDICATED IN THIS USE AND MAINTENANCE BOOKLET ARE USED, TO OBTAIN THE SAME PERFORMANCE FROM THE MGCT SYSTEM THE SETTING LEVELS OF THE SYSTEM ITSELF MAY NEED TO BE MODIFIED.**

### NOTE

**TURN THE IGNITION SWITCH OFF TO ABORT THE CALIBRATION PROCEDURE.**

**WHEN CALIBRATION IS CARRIED OUT THE TRACTION CONTROL SYSTEM AUTOMATICALLY DEACTIVATES (IF IT WAS PREVIOUSLY ACTIVATED).**

### CAUTION

**WHEN THE MOTORCYCLE IS IN RESERVE, IT IS NOT POSSIBLE TO CARRY OUT THE CALIBRATION PROCEDURE BECAUSE, DURING THIS PHASE, ON**

**THE INSTRUMENT PANEL, THE MESSAGE CALIBRATING IS REPLACED BY THE INDICATION OF THE KILOMETRES TRAVELLED SINCE ENTERING RESERVE STATE**

**°C/°F**

This function selects the ambient temperature unit of measurement. Once you have entered this function and each time the selector is pressed, the two units of measurement are cyclically displayed:

- °C

- °F

Hold down the selector to store the data; the instrument panel goes back to the SETTINGS menu.



**CODE CHANGE**

This function is used to modify an old code. Once you have entered this function, the following message is displayed:

"INSERT YOUR OLD USER CODE"



After recognising the old code, the new code is requested and the display shows the following message:

"INSERT YOUR NEW USER CODE"

If it is the first time a code is stored, only the new code is requested.

After inserting the code it remains displayed until the instrument panel is switched off.

### **SERVICE**

This function interfaces with the systems present on the motorcycle and diagnose them. To enable this function, enter an access code available only from **Moto Guzzi** service centres.

### **LANGUAGES**

The display language can be selected with this function. The available options are:

- ITALIANO
- ENGLISH
- FRANCAIS
- DEUTSCH
- ESPAGNOL



### SERVICE THRESHOLD

When the thresholds of the maintenance intervals have been exceeded an adjustable spanner icon will appear (3).

Start ups: EVERY 10,000 km (6,250 mi)

### CAUTION

**TAKE THE VEHICLE TO AN OFFICIAL Moto Guzzi Dealership WHEN THE ICON APPEARS**

### Ignition switch (02\_35)

The ignition switch is on the front part of the fuel tank near the headstock.

The vehicle is supplied with two keys (one is the spare key).

The light switch turns off when the ignition switch is set to «KEY OFF».

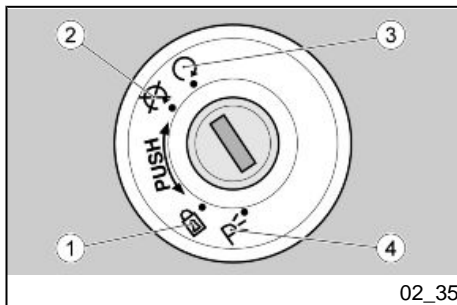
### NOTE

**THE KEY ACTIVATES THE IGNITION SWITCH/ STEERING LOCK, THE FUEL TANK CAP LOCK AND THE SADDLE LOCK.**

### NOTE

**THE LIGHTS TURN ON AUTOMATICALLY UPON ENGINE START-UP.**



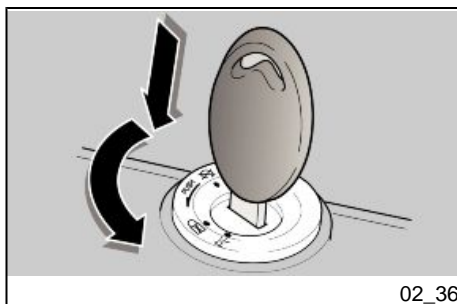


**LOCK (1):** The steering is locked. It is not possible to start the engine or switch on the lights. The key can be extracted

**OFF (2):** The engine and lights cannot be set to work. The key can be extracted.

**ON (3):** the engine may be started. The key cannot be removed

**PARKING (4):** The steering is locked. The engine cannot be started. The lights of the front and rear headlamps are activated. The ignition key can be extracted. Once the key has been extracted, the immobilizer system is active (if present).



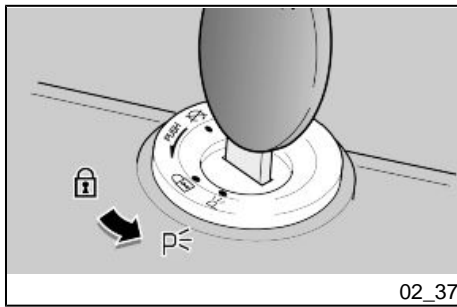
### Locking the steering wheel (02\_36)

**To lock the steering:**

- Turn the handlebar completely to the left.
- Turn the key to «OFF».
- Push in the key and turn it anticlockwise (to the left), steer the handlebar slowly until the key is set to «**LOCK**».
- Remove the key.

### CAUTION

**TO PREVENT THE LOSS OF CONTROL OF THE VEHICLE, NEVER SET THE KEY ON ITS "LOCK" POSITION WHILE RUNNING.**



## Parking lights (02\_37)

The vehicle has front and rear parking lights. Considering that it is preferable to park the vehicle in adequate and well-lit areas, parking lights are very useful when parking the vehicle in a dark or poorly lit area and when the vehicle needs to be visible.

### OPERATION

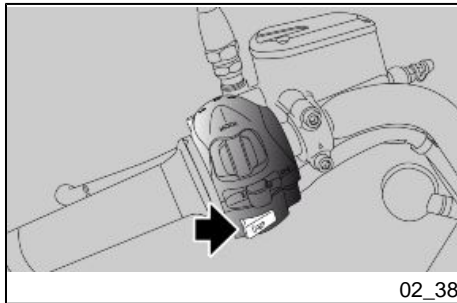
To turn on the parking lights:

- Block the steering but do not take out the key.
- Turn the key to PARKING.
- Check that both parking lights (front and rear) turn on properly.
- Take out the key.

## Horn button (02\_38)

### NOTE

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

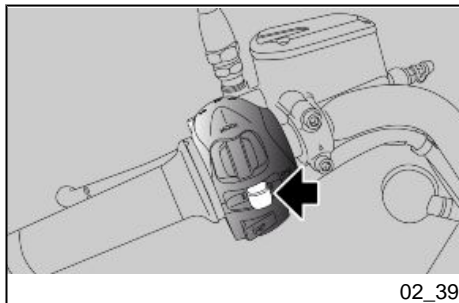


Press it to activate the horn.

## Switch direction indicators (02\_39)

### NOTE

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



Move the switch to the left, to indicate a left turn; move the switch to the right to indicate a right turn. Pressing the switch deactivates the turn indicator.

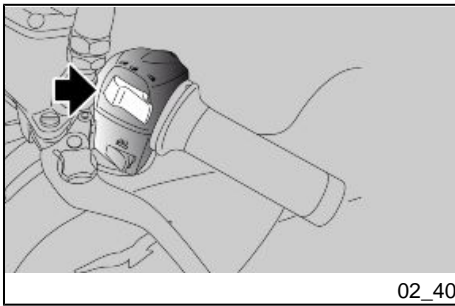
### CAUTION

IF THE WARNING LIGHT WITH ARROWS FLASHES QUICKLY, IT MEANS THAT ONE OR BOTH TURN SIGNALS LIGHT BULBS ARE BURNT OUT.

## High/low beam selector (02\_40)

### NOTE

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



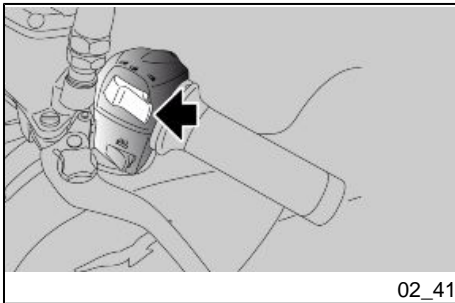
### Light switch

In the mode with daytime lights activated:

- the light switch functions are disabled except for the high beam flasher function
- In the right hand position the high beam flashes in case of danger or emergency.

In the mode with night lights activated:

- the switch in the central position keeps the daylight running lights, the instrument panel lights and the low beam on.
- In the left hand position the high beam is activated.
- In the right hand position the high beam flashes in case of danger or emergency.



### Passing button (02\_41)

Uses the high beam flash in case of danger or emergency.

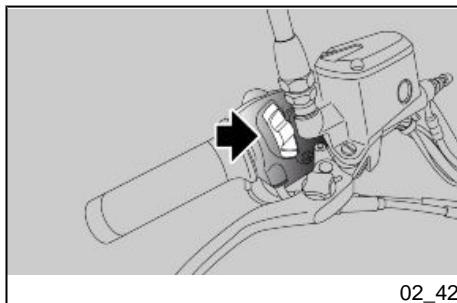
Releasing the switch deactivates the high beam flash.

## Daytime/night lights switch (02\_42)

### NOTE

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

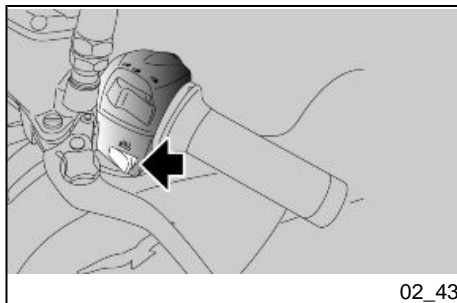
- Directing the switch upward the daylight lights are activated
- Directing the switch downward the night lights are activated



## Heated handgrip control (02\_43, 02\_44)

(IF AVAILABLE)

Activation, deactivation and heat level of the handgrips take place by short pressing the control.

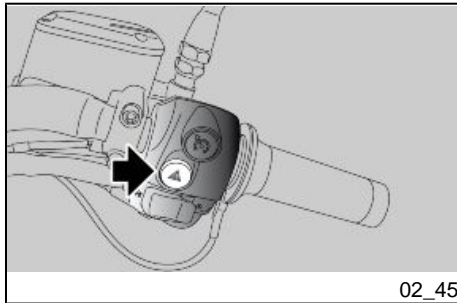




02\_44

There are 3 heat intensity levels which are activated cyclically (from level 1 to level 3) each time the control is pressed. After level 3, pressing the control again deactivates the function.

If the key is switched to the OFF position, upon restarting the function will be deactivated.

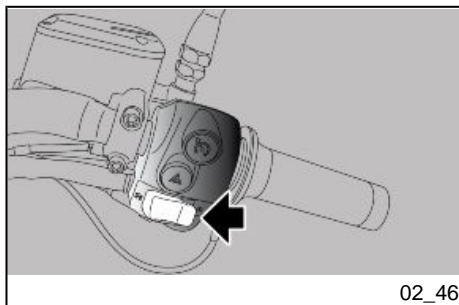


02\_45

### Flasher button (02\_45)

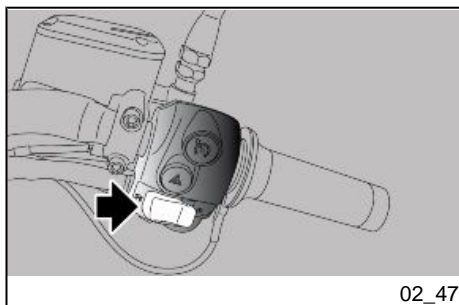
By pressing the button, the four turn indicators and their warning lights on the panel are turned on at the same time. Pressing again deactivates the system. The HAZARD light remains on even after extracting key but it cannot be deactivated.

If the key is switched to the OFF position, upon restarting the function will be deactivated.



### Start-up button (02\_46)

Press the button and the starter motor spins the engine.



### Engine stop switch (02\_47)

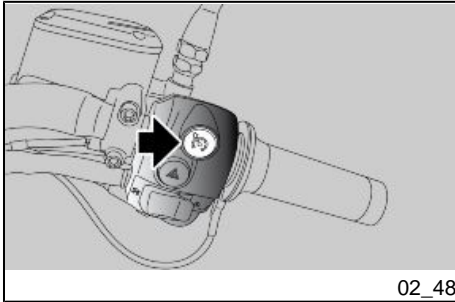
It acts as an engine cut-off or emergency stop switch.

Press this switch to stop the engine.

### Button Cruise Control (02\_48, 02\_49)

- Cruise control is an electronic system which keeps the vehicle at the speed selected by the rider
- To activate the function (switching from OFF to ON), press and hold the Cruise Control button for approximately 2 seconds

- If the system is on this will be indicated by a flashing warning light on the instrument panel



The function may be used in within a speed range from 40 Km/h (24.85 mph) to 180 Km/h (111.85 mph), and only 3rd, 4th, 5th or 6th gear, and may also be activated when decelerating with the throttle closed.



Once the desired speed is reached, the system may be activated (SET state) by pressing the cruise control button briefly, provided that the following conditions are met:

- The engaged gear must not be lower than third and cannot be neutral:
- The brakes must not be applied:
- The clutch lever must not be in use:

The instrument panel indicator lamp lights continuously to indicate that the system is active.

The throttle grip may now be released, and the cruise control function will autonomously maintain the selected speed.

The throttle may be used to increase speed temporarily by up to 30 km/h (18.64 mph) over the set speed (for overtaking, for example), without deactivating the system.

When the throttle is released, the motorcycle will return to the set cruising speed.



Accelerating for a longer period or exceeding the maximum limit of 180 Km/h (111.85 mph) causes the system to deactivate (switching from SET to ON state).

Besides, the system deactivates (going from SET to ON status, flashing warning light) in the event of one of the following conditions:

- Engaging the clutch;
- Engaging the front/rear brake;
- Downshifting to gear 3 or putting the gearbox in neutral;
- Press the Cruise Control button with a short press;
- If the engine RPM limiter intervenes;
- If traction control intervenes;
- If the motorcycle negotiates a particularly steep uphill or downhill gradient.

The system switches off completely (switching from SET to OFF state), the stored speed setting is cancelled and the relative instrument panel indicator lamp extinguishes in any of the following conditions:

- Cruise Control button pressed and held;
- Run-OFF switch activated;
- Engine switch off (key-OFF).

## **System ABS (02\_50)**

The ABS system is a device that prevents wheel locking in case of an emergency braking, thus increasing vehicle stability when braking, compared with a conventional braking system.



The ABS system enhances control over the vehicle, taking into consideration never to exceed the physical limits of vehicle grip on the road. The rider is fully responsible for riding at a suitable speed based on weather and road conditions, always leaving an appropriate safety margin.

Under no circumstances can the ABS system compensate for the rider's misjudgment or improper use of brakes.

#### NOTE

**WHEN THE ABS SYSTEM STARTS WORKING, A VIBRATION IS FELT ON THE BRAKE LEVER.**



**THE ANTILOCK BRAKING SYSTEM OF THE WHEEL DOES NOT PREVENT FALLS WHILE CORNERING.**

**AN EMERGENCY BRAKING WITH THE VEHICLE INCLINED, HANDLEBAR TURNED, ON UNEVEN OR SLIPPERY ROADS, OR WITH POOR GRIP, CREATES A LACK OF STABILITY DIFFICULT TO HANDLE. RIDE CAREFULLY AND SENSIBLY AND ALWAYS BRAKE GRADUALLY.**

**DO NOT SPEED RECKLESSLY. THE VEHICLE GRIP ON THE ROAD IS SUBJECT TO LAWS OF PHYSICS WHICH NOT EVEN THE ABS SYSTEM CAN ELIMINATE.**

Upon starting the vehicle, after the initial instrument panel check, the ABS warning light flashes until a speed of 5 kph (3.1 mph) is exceeded and then it switches off or continues to flash even after exceeding the speed of 5 kph (3.1 mph).

If the ABS warning light continues flashing or is permanently on, a failure has been detected and the ABS has been automatically deactivated.

In this case carry out the following operations:

- stop the vehicle;
- key OFF-ON;
- ride over 5 km/h (3.1 mph): the ABS warning light must be turned off;
- the ABS system is working.

If the ABS disabled indication remains:

#### **NOTE**

**IF THIS OCCURS, CONTACT AN OFFICIAL Moto Guzzi dealer**

#### **NOTE**

**THE ABS SYSTEM HAS BEEN DESIGNED AND DEVELOPED, CONSISTENTLY WITH THE REST OF THE VEHICLE, TO BE USED ON TARMAC ROADS AND IT IS NOT SUITABLE FOR OFF-ROAD USE.**

**IF THE VEHICLE IS USED ON UNSURFACED AND/OR SPECIFICALLY ROUGH ROADS, THE ABS SYSTEM MAY GET DISABLED AUTOMATICALLY; IN ANY CASE, THE BRAKING SYSTEM WORKS PERFECTLY WELL AS A TRADITIONAL NON-ABS BRAKING SYSTEM AND PROVIDES A STANDARD STOP CAPACITY.**

**IN ORDER TO REACTIVATE THE SYSTEM JUST SHUT OFF AND START THE VEHICLE UP AGAIN AND RIDE OVER 5 km/h (3.1 mph).**



**THE ABS SYSTEM ACTS ON BOTH THE FRONT AND REAR WHEELS BY OBTAINING INFORMATION FROM THE ROTATION/ LOCKING TONE WHEELS. ALWAYS CHECK THAT THE TONE WHEEL IS CLEAN, AND REGULARLY**

CHECK THAT THE DISTANCE FROM THE SENSOR IS CONSTANT ON ALL 360 DEGREES. SHOULD THE WHEELS BE REMOVED AND REFITTED, IT IS VERY IMPORTANT TO CHECK THAT THE DISTANCE BETWEEN TONE WHEEL AND SENSOR IS THE ONE SPECIFIED. FOR CHECKING AND ADJUSTMENT, CONTACT AN Authorised Moto Guzzi Garage.



IN THE CASE OF A MOTORCYCLE WITH THE ABS SYSTEM, BRAKE PADS WITH FRICTION MATERIALS THAT ARE NOT TYPE APPROVED WILL JEOPARDISE BRAKING, DRASTICALLY REDUCING RIDING SAFETY.

#### NOTE

THE SYSTEM SENSORS WITH A SIGNIFICANT ACCURACY IN READING THE TONE WHEELS CAN GENERATE, WITH THE MOTORCYCLE AT A STANDSTILL AND ENGINE ON, A SPEED INDICATION OF km / h (mi) IN THE DIGITAL DISPLAY.

SUCH BEHAVIOUR IS TO BE CONSIDERED NORMAL AND DOES NOT CREATE MALFUNCTIONS IN THE SYSTEM.



IF THE GAP FOR ONE OR BOTH SENSORS IS NOT WITHIN THE TOLERANCE INDICATED BELOW, TAKE THE MOTORCYCLE TO AN official Moto Guzzi DEALERSHIP

#### Characteristic

**Distance between tone wheel and front sensor**

0.3 - 2.00 mm (0.012 - 0.079 in)

**Distance between tone wheel and rear sensor**

0.3 - 2.00 mm (0.012 - 0.079 in)

## MGTC system(Moto Guzzi Controllo Trazione)

MGCT is a system which controls slipping of the rear wheel in the event of a brief loss of grip, for the purpose of increasing vehicle stability.

While MGCT improves vehicle control, it does not allow the physical handling limits of the vehicle to be exceeded. The rider is entirely responsible for riding at an appropriate speed in relation to the weather, road conditions, vehicle load and state of the tyres, and allowing for an adequate margin of safety.

Under no circumstances can MGCT compensate for any rider error or improper use of the throttle.



**THE MGCT SYSTEM DOES NOT PREVENT FALLING IN TURNS.**

**ACCELERATING SUDDENLY WHILE THE VEHICLE IS INCLINED OR WITH THE HANDLEBARS TURNED WILL PUT THE VEHICLE IN AN UNSTABLE STATE THAT IS EXTREMELY DIFFICULT TO RECTIFY.**

**DO NOT SPEED RECKLESSLY. LIMITS OF GRIP ARE DETERMINED BY LAWS OF PHYSICS, WHICH EVEN THE MGCT SYSTEM CANNOT OVERCOME.**

### WARNING AND INDICATOR LIGHTS, KEY

- **Indicator light off:** with system activated with vehicle in motion or system activated after exceeding 5 Km/h (3.1 mph) after key-on;
- **Indicator light continuously lit:** with system intentionally deactivated by rider or in the event of a malfunction causing deactivation;
- **Indicator light flashing slowly:** with system active after key-on, before exceeding 5 Km/h (3.1 mph), or in the event of certain malfunctions inhibiting modification of MGCT level setting;
- **Indicator light flashing quickly:** MGCT system actively controlling traction.

## MGCT SYSTEM

When the motorcycle is switched on, the MGCT maintains the same system active or system deactivated state in effect when the motorcycle was switched off.

If the MGCT system is active when the motorcycle is switched on, after the initial instrument panel check cycle, the MGCT indicator lamp flashes until the vehicle speed exceeds 5 Km/h (3.1 mph), after which it extinguishes.

If the MGCT system is deactivated when the motorcycle is switched on, after the initial instrument panel check cycle, the MGCT icon extinguishes and remains off until the rider manually activates the system.

If the MGCT indicator lamp is lit continuously, this indicates that a fault has been detected and the system has been automatically deactivated.

In this case carry out the following operations:

- stop the vehicle;
- key OFF-ON;
- reactivate the system manually
- ride over 5 km/h (3.1 mph): the MGCT indicator lamp should extinguish
- the system is working correctly.

If the MGCT disabled indication remains:

### NOTE

**IF THIS OCCURS, CONTACT AN OFFICIAL Moto Guzzi dealer.**



**IF THE GAP FOR ONE OR BOTH SENSORS IS NOT WITHIN THE TOLERANCE INDICATED BELOW, TAKE THE MOTORCYCLE TO AN official Moto Guzzi DEALERSHIP**

## Characteristic

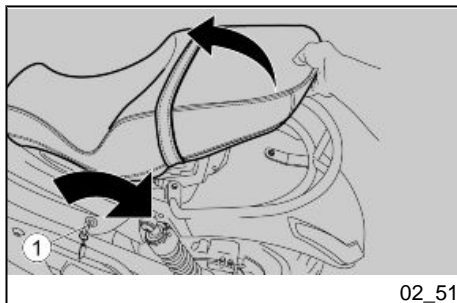
### **Distance between tone wheel and front sensor**

0.3 - 2.00 mm (0.012 - 0.079 in)

### **Distance between tone wheel and rear sensor**

0.3 - 2.00 mm (0.012 - 0.079 in)

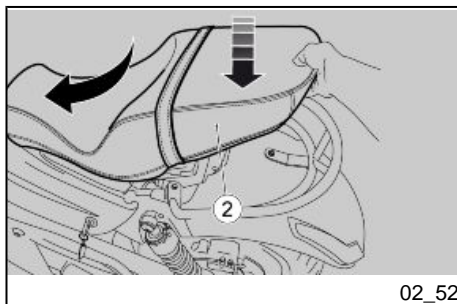
## **Opening the saddle (02\_51, 02\_52)**



02\_51

- Rest the vehicle on its stand.
- Insert the key (1) in the lock located on the left fairing.
- Turn the key (1) clockwise and remove the saddle (2).

There is a useful document compartment in the vehicle tail fairing. Remove the saddle (2) to reach it.



02\_52

### **To lock the saddle (2):**

- Move the saddle (2) to fasten the front retainers correctly.
- Push the centre of the saddle (2), where the rear retainers are, to trip the lock.

### **CAUTION**

**BEFORE LOWERING AND LOCKING THE SADDLE, CHECK THAT THE KEY HAS NOT BEEN LEFT IN THE GLOVEBOX / TOOL KIT COMPARTMENT.**



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

### **Identification (02\_53, 02\_54)**

Write down the chassis and engine number in the specific space in this booklet. The chassis number is handy when purchasing spare parts.

#### **CAUTION**

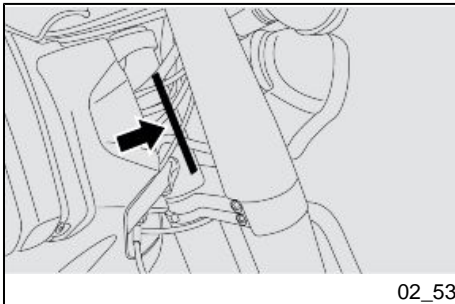


**CHANGING THE IDENTIFICATION CODE IS A CRIME THAT MAY BE PUNISHED WITH SERIOUS CRIMINAL CHARGES. FURTHERMORE, THE LIMITED WARRANTY FOR NEW VEHICLES WILL BE CANCELLED IF THE VEHICLE IDENTIFICATION NUMBER (VIN) HAS BEEN MODIFIED OR CANNOT BE QUICKLY DETERMINED.**

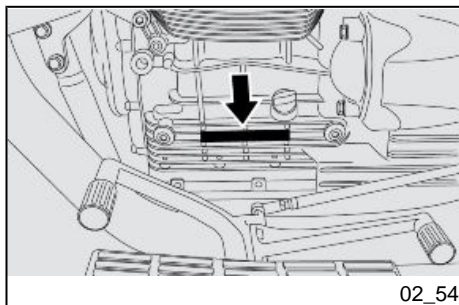
#### **CHASSIS NUMBER**

The chassis number is stamped on the right side of the headstock.

Chassis No. ....







02\_54

## ENGINE NUMBER

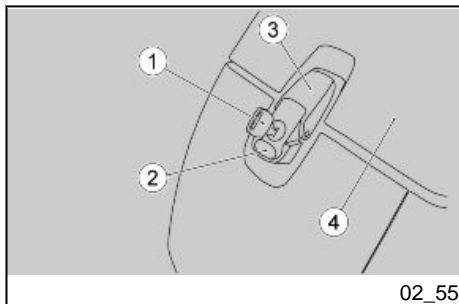
The engine number is printed on the base of the engine crankcase, left hand side.

Engine No. ....

## Provision for the installation of accessories (02\_55, 02\_56, 02\_57, 02\_58)

### SIDE PANNIERS

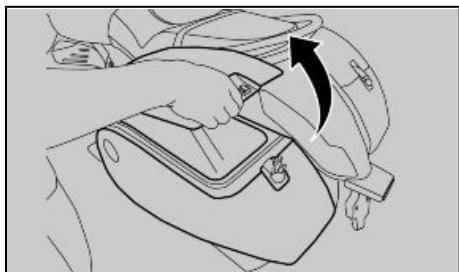
(if applicable)



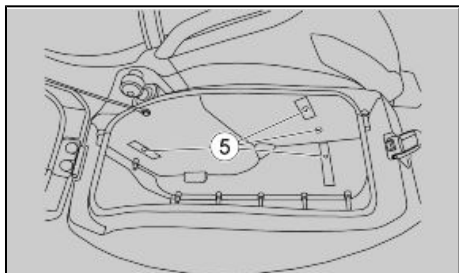
02\_55

### COVER OPENING

- Rest the vehicle on its stand.
- Introduce the key (1) in the pannier cover handle (2).
- Turn the key (1) anticlockwise.
- Lift the handle (2), freeing the lock (3) from the hook of the cover (4).
- Lift the cover (4).



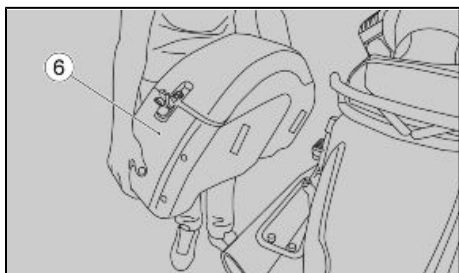
02\_56



02\_57

**REMOVAL**

- After lifting the cover, remove the internal fixing screws (5)
- Remove the pannier (6)



02\_58

# Moto Guzzi California

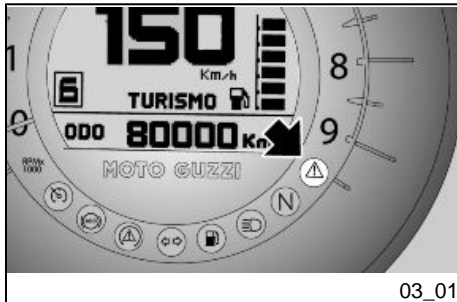


**Chap. 03**  
**Use**

## Checks (03\_01)

### CAUTION

**BEFORE SETTING-OFF, ALWAYS CARRY OUT A PRELIMINARY CHECK OF THE VEHICLE, FOR CORRECT AND SAFE OPERATION. FAILURE TO DO SO MAY LEAD TO SEVERE PERSONAL INJURY OR VEHICLE DAMAGE. DO NOT HESITATE TO CONTACT AN Official Moto Guzzi Dealer IF YOU DO NOT UNDERSTAND HOW SOME CONTROLS WORK OR IF MALFUNCTIONING IS DETECTED OR SUSPECTED. CHECKS DO NOT TAKE LONG AND RESULT IN SIGNIFICANTLY ENHANCED SAFETY.**



This vehicle has been programmed to indicate in real time any operation failure stored in the electronic control unit memory.

Each time the ignition switch is turned to "ON", all the indicator lamps on the instrument panel light for approximately three seconds.

### PRE-RIDE CHECKS

Front and rear disc brake

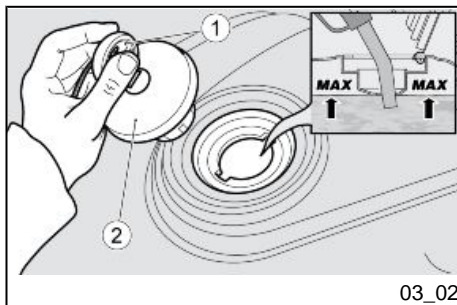
Check for proper operation. Check brake lever empty travel and brake fluid level. Check for leaks. Check brake pads for wear. If necessary top-up with brake fluid.

---

Throttle grip	Check that the throttle functions smoothly and can be fully opened and closed in all steering positions. Adjust and/or lubricate if necessary.
Engine oil	Check and/or top-up as required.
Wheels/ tyres	Check that tyres are in good condition. Check inflation pressure and check for tyre wear and damage.  Remove any possible strange body that might be stuck in the tread design.
Gear lever	Check it works smoothly.  Lubricate the joints and adjust the travel if necessary.
Brake levers	Check they function smoothly.  Lubricate the joints and adjust the travel if necessary.
Clutch	Check for proper operation. Check clutch lever free play and fluid level. Check for leaks. Top-up the fluid if necessary; the clutch must work without gripping and/or sliding.
Steering	Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.

---

Side stand	<p>Check it works properly. Check that there is no resistance when the side stand is pulled up and down and that the spring tension makes it snap back to its rest position. Lubricate couplings and joints if necessary. Check the safety switch for correct operation.</p>
Fastener elements	<p>Check that the fastener elements are not loose.</p> <p>Adjust or tighten if necessary.</p>
Fuel tank	<p>Check the level and refill if necessary.</p> <p>Check for leakage.</p> <p>Check that the tank cap closes correctly.</p>
Engine stop switch (ON - OFF)	<p>Check function.</p>
Lights, warning lights, horn, rear stop light switch and electrical devices	<p>Check function of horn and lights. Replace bulbs or repair any faults noted.</p>
Tone wheels	<p>Check that the tone wheels are perfectly clean and in good conditions.</p>



03\_02

## Refuelling (03\_02)

### To refuel:

- Introduce the key (1) in the fuel tank cap lock (2).
- Turn the key anticlockwise, then pull and remove the fuel cap.
- Refill.

### CAUTION



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

**WHEN USING A FUNNEL, ENSURE THAT IT IS PERFECTLY CLEAN.**



**WHEN FILLING THE TANK COMPLETELY, DO NOT FILL BEYOND THE LOWER EDGE OF THE RECESS (SEE FIGURE).**

**FILLING BEYOND THIS LEVEL MAY CAUSE FUEL SPILLAGE INTO THE ENVIRONMENT AND POSE A FIRE RISK**

### NOTE

**THE FUEL LEVEL INDICATION MAY CHANGE DEPENDING ON THE INCLINATION OF THE MOTORCYCLE WHEN IT IS ON THE SIDE STAND AS OPPOSED TO WHEN IT IS IN MOTION.**

### Characteristic

#### Fuel (reserve included)

20.5 +/- 0.5 l (4.51 +/- 0.11 UK gal) (5.41 +/- 0.13 gal US)

#### Fuel reserve

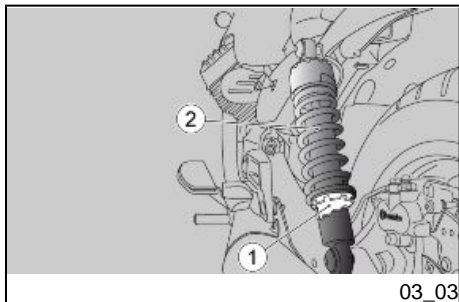
5 l (1.10 UK gal) (1.32 gal US)

**after refuelling:**

- The fuel cap (2) may only be refitted with the key (1) inserted.
- Insert the key (1) and fit the cap (2).
- Turn the key (1) clockwise and remove.



**MAKE SURE THE CAP IS TIGHTLY CLOSED.**

**Rear shock absorbers adjustment (03\_03)**

The shock absorber has an adjuster ring (1) for setting spring preload (2)

- Turn the adjuster ring (1) with a hook spanner to change the spring preload (A) setting.
- Screw to increase preloading; and vice versa, screw to reduce it.

**CAUTION**

**TO OBTAIN A GOOD STABILITY IN YOUR VEHICLE, MAKE SURE THAT BOTH SHOCK ABSORBERS ARE ADJUSTED AT THE SAME POSITION. IF NECESSARY, CONTACT AN Official Moto Guzzi Dealer.**



**CAUTION**

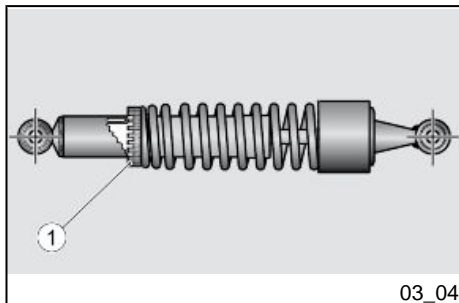
**TO AVOID DAMAGE, DO NOT FORCE THE SET SCREW (1) BEYOND THE RESPECTIVE END OF TRAVEL ON EITHER SIDE.**

**Rear shock absorbers setting (03\_04)****REAR SHOCK ABSORBER - STANDARD ADJUSTMENT****(FOR USE ON ROAD)**

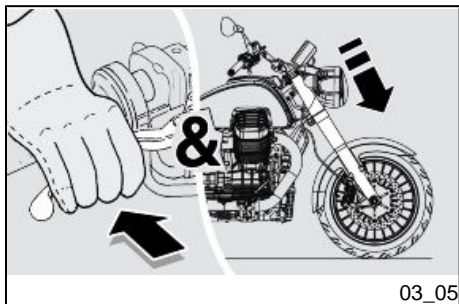
RIDER preload adjustment, ring (1)	turn 2 steps from the minimum preload position
------------------------------------	--

RIDER+PASSENGER preload adjustment, ring (1)	turn 3 steps from the minimum preload position
--	--

FULL LOAD preload adjustment, ring (1)	turn 5 steps from the minimum preload position
--	--



03\_04



### Front fork adjustment (03\_05)

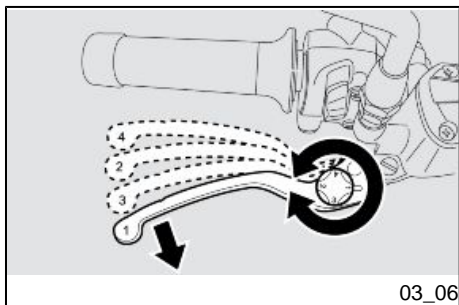
Carry out the following checks regularly:

Operating the front brake lever, press the handlebar repeatedly to send the fork fully down. The shock absorber should compress and extend smoothly with no signs of oil leakage on the stanchions.

Check the tightening of all the elements and the correct operation of the front and rear suspension joints.

#### CAUTION

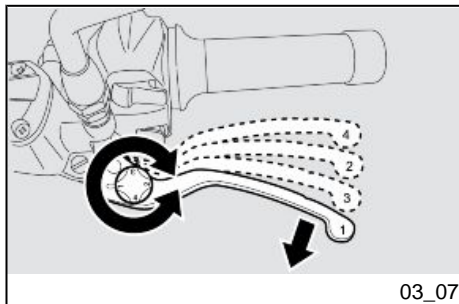
**TO HAVE THE FRONT FORK OIL AND OIL SEALS REPLACED, CONTACT AN Official Moto Guzzi Dealer.**



### Justering af greb til forbremse (03\_06)

Adjust the distance between the lever end and the hand grip by turning the set screw.

To adjust: push the control lever forward and turn the set screw until the arrow points at the desired number.



## Clutch lever adjustment (03\_07)

Adjust the distance between the lever end and the hand grip by turning the set screw.

To adjust: push the control lever forward and turn the set screw until the arrow points at the desired number.

## Running in

Running in is essential to ensure the durability of the vehicle. During the first 1000 Km (621.37 mi), observe the following rules to ensure the reliability and performance of the vehicle throughout its lifetime:

- Avoid full throttle starts and hard acceleration;
- Avoid hard or prolonged braking;
- Do not ride for prolonged periods at sustained high speed; preferably ride the motorcycle on varied routes with frequent, gentle acceleration and deceleration;
- Ride prudently to gradually gain familiarity with the motorcycle, testing progressively higher throttle apertures only as you gain confidence

### CAUTION

**THIS VEHICLE IS EQUIPPED WITH A SINGLE DISC DRY CLUTCH. IN CERTAIN CONDITIONS, THE CLUTCH MAY EMIT A SLIGHT AND DISTINCTIVE ODOUR OF CLUTCH MATERIAL. THIS IS NORMAL AND IS NOT INDICATIVE OF A FAULT.**

### CAUTION

**THE FULL PERFORMANCE OF THE VEHICLE IS ONLY AVAILABLE AFTER THE SERVICE AT THE END OF THE RUNNING IN PERIOD.**



**AFTER THE SPECIFIED MILEAGE, TAKE THE VEHICLE TO AN OFFICIAL Moto Guzzi DEALER FOR THE CHECKS INDICATED IN THE "AFTER RUN-IN" TABLE IN THE SCHEDULED MAINTENANCE SECTION TO AVOID INJURING YOURSELF, OTHERS AND /OR DAMAGING THE VEHICLE.**

## **Starting up the engine**

The vehicle has an automatic starter and does not require any special instruction for cold start.

If the ambient temperature is low (near or below 0°C / 32°F) the automatic starter activates, increasing the number of revs until the ideal engine temperature is reached and disconnects itself automatically.

### **NOTE**

**THE AUTOMATIC STARTER CANNOT BE ACTIVATED MANUALLY.**

## **Parking**

It is very important to select an adequate parking spot, in compliance with road signals and the guidelines described below.

### **CAUTION**

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

**DO NOT LEAN THE VEHICLE AGAINST A WALL OR LAY IT ON THE GROUND.**

**ENSURE THAT THE VEHICLE AND, IN PARTICULAR, PARTS OF THE VEHICLE WHICH MAY BECOME HOT (ENGINE, OIL RADIATOR AND LINES, EXHAUST**

**SYSTEM, BRAKE DISCS) ARE NOT A HAZARD TO PERSONS OR CHILDREN. DO NOT LEAVE YOUR VEHICLE UNATTENDED WITH THE ENGINE ON OR THE KEY IN THE IGNITION SWITCH.**

#### **CAUTION**

**VEHICLE FALL OR EXCESSIVE INCLINATION CAN CAUSE FUEL TO SPILL OUT.**

**FUEL USED TO DRIVE INTERNAL COMBUSTION ENGINES IS HIGHLY FLAMMABLE AND CAN BECOME EXPLOSIVE UNDER CERTAIN CONDITIONS.**



**DO NOT REST THE RIDER OR PASSENGER WEIGHT ON THE SIDE STAND.**

### **Catalytic silencer**

The vehicle has a silencer with a "platinum - palladium - rhodium three-way" metal catalytic converter.

This device oxidises the CO (carbon monoxide) producing carbon dioxide, and the UHC (unburned hydrocarbons) producing water vapour and reduces NOx (nitrogen oxide) producing oxygen and nitrogen present in the exhaust fumes.



**DO NOT PARK THE VEHICLE NEAR DRY BRUSHWOOD OR IN PLACES EASILY ACCESSIBLE BY CHILDREN BECAUSE THE CATALYTIC CONVERTER REACHES HIGH TEMPERATURES DURING VEHICLE OPERATION; FOR THIS REASON, PAY UTMOST ATTENTION AND DO NOT TOUCH IT UNTIL IT HAS COMPLETELY COOLED DOWN.**



**DO NOT USE LEADED PETROL AS IT CAUSES IRREPARABLE DAMAGE TO THE CATALYTIC CONVERTER.**

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

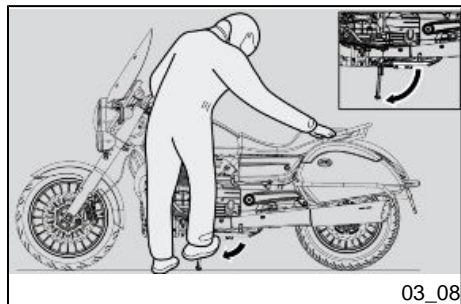
- the removal of any device or element belonging to a new vehicle or any other action by anyone leading to render it non-operating, if not for maintenance, repair or replacement reasons, in order to control noise emission before the sale or delivery of the vehicle to the ultimate buyer or while it is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

Check the exhaust silencer and the silencer pipes, ensuring there are no signs of penetrative corrosion and that the exhaust system works properly.

If the noise produced by the exhaust system increases, get immediately in touch with the Dealer or with a Moto Guzzi authorised repair shop.

#### **NOTE**

**DO NOT TAMPER WITH THE EXHAUST SYSTEM.**



#### **Stand (03\_08, 03\_09)**



**THE SIDE STAND MUST ROTATE FREELY. IF NECESSARY GREASE THE JOINT.**

## SIDE STAND

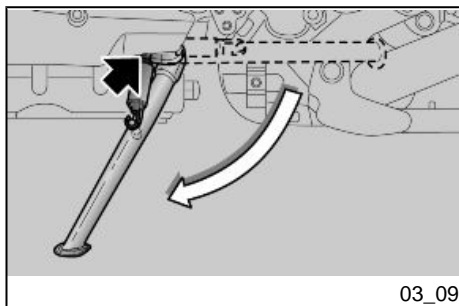
If the stand has been folded up for any manoeuvre (for example, when the vehicle is in motion), place the vehicle on the stand again as follows:

- Grasp the left grip and put the right hand on the upper rear part of the vehicle.
- Push the side stand with your right foot to fully extend the stand.
- Lean the vehicle until the stand touches the ground.
- Turn the handlebar fully leftwards.

### CAUTION

**MAKE SURE THE VEHICLE IS STABLE.**

A safety switch is installed on the side stand to inhibit ignition or to stop the engine when a gear is engaged and the side stand is lowered.



## Suggestion to prevent theft

### CAUTION

**WHEN USING A DISC LOCKING DEVICE, PAY UTMOST ATTENTION TO REMOVE IT BEFORE RIDING. FAILURE TO OBSERVE THIS WARNING MAY CAUSE SERIOUS DAMAGE TO THE BRAKING SYSTEM AND ACCIDENTS WITH CONSEQUENT PHYSICAL INJURIES OR EVEN DEATH.**

NEVER leave the ignition key in the lock and always use the steering lock. Park the vehicle in a safe place such as a garage or a place with guards. Whenever possible, use 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: .....

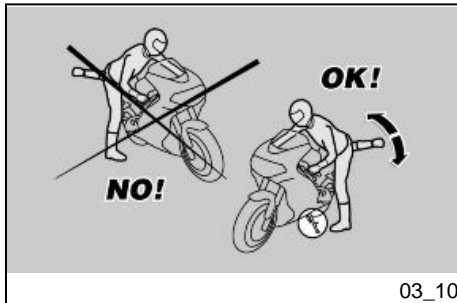
NAME: .....

ADDRESS: .....

TELEPHONE NO.: .....

#### **WARNING**

**IN MANY CASES, STOLEN VEHICLES CAN BE IDENTIFIED BY DATA IN THE USE / MAINTENANCE BOOKLET.**



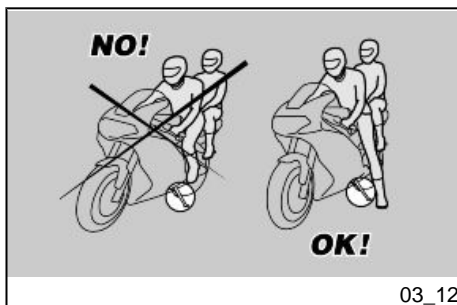
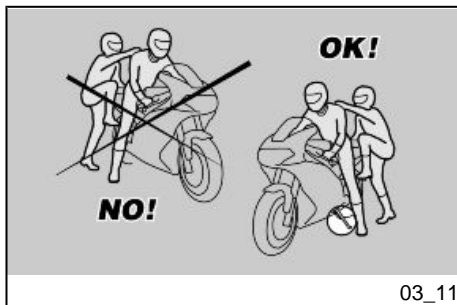
#### **Basic safety rules (03\_10, 03\_11, 03\_12, 03\_13, 03\_14)**

Follow the instructions given below attentively to avoid injuring persons, damaging property or the vehicle in the event of the rider or the passenger falling off the vehicle and/or the vehicle falling or overturning.

When getting on and off the vehicle, make sure nothing is restricting your movements; do not hold any objects in your hands (helmet, gloves or goggles not put on).

Always get on and off the vehicle on the left side and with the side stand lowered.





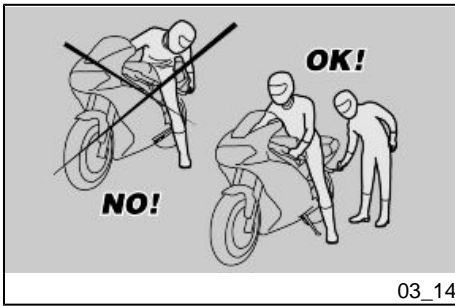
The stand has been designed to support the weight of the vehicle and a minimum load, without the added weight of rider and passenger.

The purpose of the side stand is to prevent the vehicle from falling or overturning while rider and passenger get on the vehicle and get ready to ride; the stand should not be used to support the weight of rider and passenger.

While getting on and off, the vehicle may become unstable due to its weight and it may fall or overturn.

#### **CAUTION**

**THE RIDER MUST GET ON THE VEHICLE FIRST AND GET OFF LAST TO BE ABLE TO CONTROL AND BALANCE THE VEHICLE WHILE THE PASSENGER IS GETTING ON OR OFF THE VEHICLE**



When getting on and off the vehicle, the passenger must move carefully so as not to cause a loss of stability for vehicle and rider.

#### **CAUTION**

**THE RIDER MUST INSTRUCT THE PASSENGER ON HOW TO GET ON AND OFF THE VEHICLE SAFELY.**

**THE VEHICLE IS EQUIPPED WITH PASSENGER FOOTRESTS TO FACILITATE GETTING ON OR OFF THE VEHICLE. THE PASSENGER MUST ALWAYS USE THE LEFT FOOTREST TO GET ON AND OFF THE VEHICLE.**

**NEVER ATTEMPT TO GET OFF THE VEHICLE BY JUMPING OR STRETCHING YOUR LEG TO REACH THE GROUND. THESE ARE INCORRECT PROCEDURES THAT COMPROMISE VEHICLE STABILITY AND BALANCE.**

#### **CAUTION**

**ANY BAGS OR OBJECTS STRAPPED TO THE REAR OF THE VEHICLE CAN REPRESENT AN OBSTACLE WHILE GETTING ON AND OFF.**

**SWING YOUR RIGHT LEG OVER THE SEAT IN A CONTROLLED MOVEMENT SO AS NOT TO HIT THE REAR PART OF THE VEHICLE (TAIL FAIRING OR LUGGAGE) AND COMPROMISE STABILITY.**

#### **GETTING ON THE VEHICLE**

- Grip the handlebar correctly and get on the vehicle without resting your weight on the side stand.

#### **CAUTION**

**IF YOU CAN NOT REACH THE GROUND WITH BOTH FEET WHEN SEATED, PLACE YOUR RIGHT FOOT ON THE GROUND (IF YOU LOSE BALANCE, THE SIDE STAND WILL PREVENT A FALL ON THE LEFT SIDE) AND BE READY TO PUT YOUR LEFT FOOT ON THE GROUND.**

- Place both feet on the ground, straighten and balance the vehicle keeping it upright in riding position.

#### **CAUTION**

**THE RIDER MUST NOT EXTRACT OR ATTEMPT TO EXTRACT THE PASSENGER FOOTRESTS WHILE SEATED, BECAUSE THIS MIGHT COMPROMISE VEHICLE STABILITY AND BALANCE.**

- Have the passenger fold out the two passenger footrests.
- Give instructions as necessary to help the passenger mount the vehicle.
- Lift and retract the side stand completely with the left foot.

#### **GETTING OFF THE VEHICLE**

- Select an appropriate parking spot.
- Stop the vehicle.



**MAKE SURE THAT THE GROUND ON WHICH THE MOTORCYCLE IS PARKED IS STABLE, EVEN AND FREE OF OBSTACLES.**

- With the left shoe heel, lower and extend the side stand completely.

#### **CAUTION**

**IF YOU CAN NOT REACH THE GROUND WITH BOTH FEET WHEN SEATED, PLACE YOUR RIGHT FOOT ON THE GROUND (IF YOU LOSE BALANCE, THE SIDE STAND WILL PREVENT A FALL ON THE LEFT SIDE) AND BE READY TO PUT YOUR LEFT FOOT ON THE GROUND.**

- Place both feet on the ground and keep the vehicle balanced in the upright position.

- Give instructions as necessary to help the passenger dismount the vehicle.



**RISK OF FALLING AND OVERTURNING.**

**MAKE SURE THE PASSENGER HAS GOT OFF THE VEHICLE.**

**DO NOT REST YOUR WEIGHT ON THE SIDE STAND.**

- Tilt the motorcycle until the stand touch the ground.
- Grasp the handlebar firmly and get off the vehicle.
- Turn the handlebar fully leftwards.
- Return the passenger footrests to position.

**CAUTION**



**MAKE SURE THE VEHICLE IS STABLE.**

# Moto Guzzi California



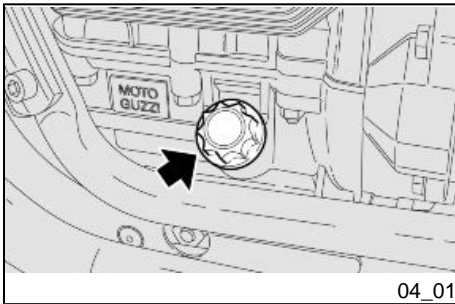
**Chap. 04**  
**Maintenance**

## Foreword

In general terms, scheduled maintenance can be carried out by the owner; however, some operations may require specific tools and technical training. For periodic maintenance, servicing or technical advice, contact an **Official Moto Guzzi Dealer** for prompt and accurate service.

### WARNING

**THIS VEHICLE HAS BEEN PROGRAMMED TO INDICATE IN REAL TIME ANY ACTIVATION FAILURE STORED IN THE ELECTRONIC CONTROL UNIT MEMORY.**

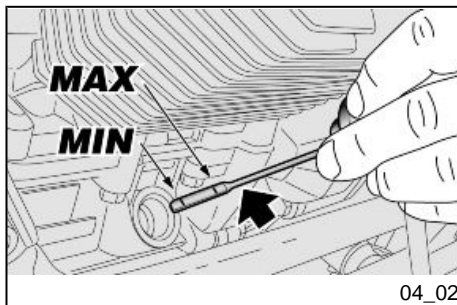


## Engine oil level check (04\_01, 04\_02)

Check the engine oil level frequently.

### NOTE

**CARRY OUT MAINTENANCE OPERATIONS AT HALF THE INTERVALS SPECIFIED IF THE VEHICLE IS USED IN PARTICULAR RAINY OR DUSTY CONDITIONS, OFF ROAD OR FOR TRACK USE.**



To check:



**ENGINE OIL LEVEL MUST BE CHECKED WHEN THE ENGINE IS WARM AND WITH THE DIPSTICK INSERTED BUT NOT SCREWED IN.**

#### **CAUTION**

**DO NOT LET THE ENGINE IDLE WITH THE VEHICLE AT STANDSTILL TO WARM UP THE ENGINE AND OBTAIN THE OPERATING TEMPERATURE OF ENGINE OIL.**

**PREFERABLY CHECK THE OIL AFTER A JOURNEY OF AFTER TRAVELLING APPROXIMATELY 15 Km (10 miles) IN EXTRAURBAN CONDITIONS (ENOUGH TO WARM UP THE ENGINE OIL TO OPERATING TEMPERATURE).**

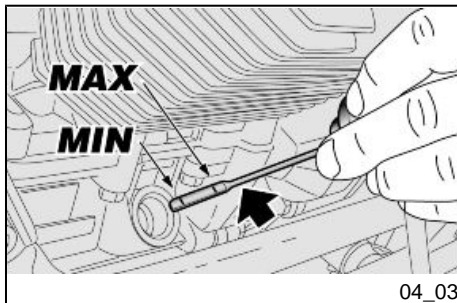
- Shut off the engine.
- Keep the vehicle upright with both wheels on the ground.
- Unscrew the filler plug / oil dipstick.
- Check oil level by means of the oil dipstick.

'**MAX**' = maximum level.

'**MIN**' = minimum level.

The difference between '**MAX**' and '**MIN**' marks is approx. 700 cm<sup>3</sup> (42.72 cu.in)

- The oil level is correct when it is close to the '**MAX**' mark.

**CAUTION**

**DO NOT GO BEYOND THE "MAX" AND BELOW THE "MIN" LEVEL MARK TO AVOID SEVERE ENGINE DAMAGE.**

**Engine oil top-up (04\_03)**

**Fill with engine oil as required:**

- Unscrew and remove the filler plug.



**DO NOT ADD ADDITIVES OR OTHER SUBSTANCES TO THE OIL.**

**When using a funnel or any other element, make sure it is perfectly clean.**

**CAUTION**

**USE HIGH-QUALITY 10W - 60 OIL.**

- Top up oil until reaching the correct level.



## Engine oil change

### CAUTION

THE ENGINE OIL MUST BE CHECKED AND CHANGED BY AN OFFICIAL MOTO GUZZI DEALERSHIP OR, IF YOU ARE QUALIFIED TO DO SO YOURSELF, PERFORM THE PROCEDURES REFERRING TO THE INSTRUCTIONS GIVEN IN THE WORKSHOP MANUAL, WHICH MAY ALSO BE PURCHASED FROM THE OFFICIAL MOTO GUZZI DEALERSHIP.

## Engine oil filter replacement

### CAUTION

THE ENGINE OIL FILTER MUST BE REMOVED, CHECKED AND, IF NECESSARY, CHANGED BY AN OFFICIAL MOTO GUZZI DEALERSHIP OR, IF YOU ARE QUALIFIED TO DO SO YOURSELF, PERFORM THE PROCEDURES REFERRING TO THE INSTRUCTIONS GIVEN IN THE WORKSHOP MANUAL, WHICH MAY ALSO BE PURCHASED FROM THE OFFICIAL MOTO GUZZI DEALERSHIP.

## Universal joint oil level

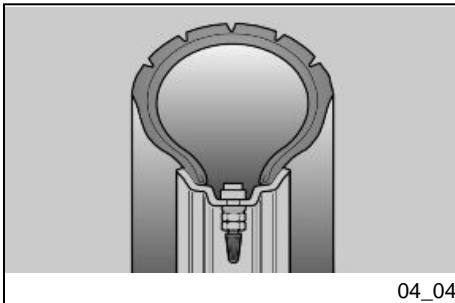
### CAUTION

FOR DISASSEMBLY, INSPECTION AND CHANGING OF THE CARDAN OIL REFER TO AN Official Moto Guzzi Agent OR, IF YOU ARE EXPERIENCED AND QUALIFIED, YOU MAY REFER TO THE INSTRUCTION IN THE WORKSHOP MANUAL THAT MAY BE PURCHASED FROM THE SAME Official Moto Guzzi Agent.

## Gearbox oil level

### CAUTION

THE GEARBOX OIL MUST BE CHECKED AND CHANGED BY AN OFFICIAL MOTO GUZZI DEALERSHIP OR, IF YOU ARE QUALIFIED TO DO SO BY YOURSELF, PERFORM THE PROCEDURES REFERRING TO THE INSTRUCTIONS GIVEN IN THE WORKSHOP MANUAL, WHICH MAY ALSO BE PURCHASED FROM THE OFFICIAL Moto Guzzi Dealership.



## Tyres (04\_04, 04\_05)

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

### CAUTION

CHECK TYRE INFLATION PRESSURE REGULARLY AT AMBIENT TEMPERATURE. THE MEASUREMENT MAY BE INCORRECT IF TYRES ARE WARM. CHECK TYRE PRESSURE MAINLY BEFORE AND AFTER A LONG TRIP. AN OVER-INFLATED TYRE WILL PROVIDE A HARSH RIDE AS SURFACE UNEVENNESS IS NOT CUSHIONED AND IS SENT TO THE HANDLEBAR, THUS REDUCING GRIP AND ROAD HOLDING SPECIALLY WHEN CORNERING.

ON THE OTHER HAND, AN UNDER-INFLATED TYRE CAUSES THE CONTACT PATCH TO INCLUDE A LARGER PORTION OF THE TYRE SIDE WALLS. IF SO, THE TYRE MIGHT SLIP ON OR GET DETACHED FROM THE WHEEL RIM, RESULTING IN LOSS OF CONTROL OVER THE VEHICLE.

TYRES MAY EVEN DETACH FROM THE WHEEL RIMS UNDER VERY HARD BRAKING.

EVENTUALLY THE VEHICLE MIGHT SKID IN A BEND.

INSPECT THREAD 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 FOR WEAR.**

**CARRY OUT A VISUAL INSPECTION FOR TYRE WEAR AND TEAR, REPLACE TYRES WHEN WORN.**

**WHEN TYRES ARE OLD, THE MATERIAL MAY HARDEN AND NOT PROVIDE ADEQUATE ROAD HOLDING, EVEN IF TYRES ARE STILL WITHIN THE WEAR LIMIT. REPLACE TYRES IF THIS OCCURS. REPLACE THE TYRE IF IT IS WORN OR IF THERE IS A PUNCTURE LARGER THAN 5 mm (0.197 in) IN THE TREAD AREA.**

**WHEEL MUST BE BALANCED AFTER A TYRE IS MENDED.**

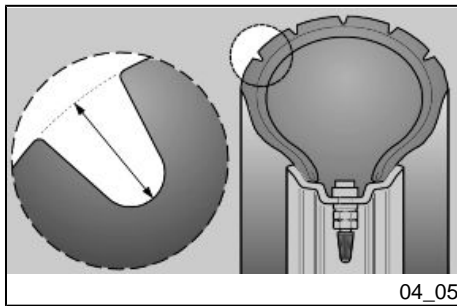
**USE ONLY TYRE SIZES INDICATED BY THE MANUFACTURER. DO NOT FIT TYRES WITH INNER TUBES ON RIMS FOR TUBELESS TYRES OR VICE VERSA. CHECK THAT THE INFLATION VALVES HAVE THEIR CAPS FITTED TO AVOID UNEXPECTED FLAT TYRES.**

**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 DEALER OR A SPECIALISED TYRE WORKSHOP.**

**NEW TYRES MAY BE COATED WITH AN OILY FILM: RIDE WITH CAUTION DURING THE FIRST KILOMETRES. DO NOT APPLY UNSUITABLE LIQUIDS ON TYRES.**

**WHEN TYRES ARE OLD, THE MATERIAL MAY HARDEN AND NOT PROVIDE ADEQUATE GRIP, EVEN IF TYRES ARE STILL WITHIN THE WEAR LIMIT TYRE GRIP.**

**SHOULD THIS OCCUR, REPLACE THE TYRES.**



### Minimum tread depth:

front and rear 2 mm (0.079 in) (USA 3 mm) (USA 0.118 in) and anyway not lower to what it is specified in the current legislation in the country in which the vehicle is used.

## Spark plug dismantlement

### CAUTION

THE SPARK PLUGS MUST BE REMOVED, CHECKED AND, IF NECESSARY, REPLACED BY AN Official Moto Guzzi DEALERSHIP OR, IF YOU ARE QUALIFIED TO DO SO YOURSELF, PERFORM THE PROCEDURES REFERRING TO THE INSTRUCTIONS GIVEN IN THE WORKSHOP MANUAL, WHICH MAY ALSO BE PURCHASED FROM THE Official Moto Guzzi Dealership.

## Removing the air filter

### CAUTION

TO DISASSEMBLE, INSPECT AND REPLACE THE AIR FILTER REFER TO AN Official Moto Guzzi Agent. IF YOU ARE ADEQUATELY TRAINED AND EXPERIENCED, REFER TO THE INSTRUCTIONS IN THE WORKSHOP MANUAL THAT CAN BE ALSO PURCHASED AT ANY Official Moto Guzzi Dealer.

## Checking the brake oil level (04\_06, 04\_07)

### Brake fluid check

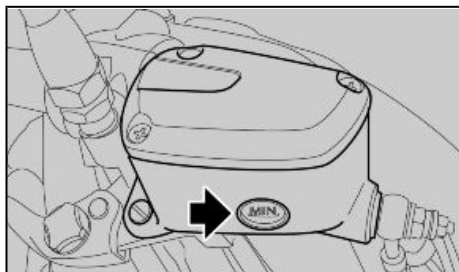
- Rest the vehicle on its stand.
- For the front brake, turn the handlebar fully to the right.
- For the rear brake, keep the vehicle upright so that the fluid in the reservoir is at the same level with the plug.
- Make sure that the fluid level in the reservoir is above the "MIN" reference mark:

**MIN** = minimum level

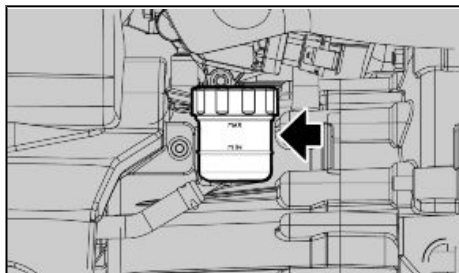
**MAX** = maximum level

If the fluid does not reach at least the "MIN" reference mark:

- Check brake pads and disc for wear.
- If the pads and/or the disc do not need replacing, top-up the fluid.



04\_06

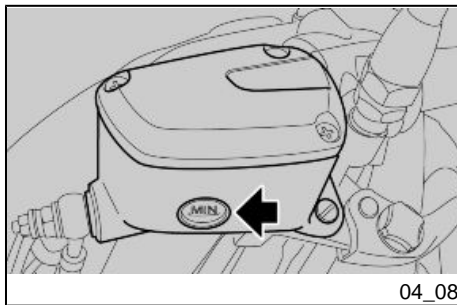


04\_07

## Braking system fluid top up

### CAUTION

**IN ORDER TO TOP UP BRAKE FLUID, CONSULT AN Official Moto Guzzi Agent OR, IF YOU ARE ADEQUATELY TRAINED AND EXPERIENCED, YOU MAY REFER TO THE INSTRUCTIONS IN THE WORKSHOP MANUAL THAT MAY BE PURCHASED FROM THE SAME Official Moto Guzzi Dealer.**



04\_08

## Checking clutch fluid (04\_08)

- Rest the vehicle on its stand.
- Turn the handlebar partially to the right so that the liquid in the clutch fluid reservoir is parallel to the edge of the clutch fluid reservoir.
- Make sure that the fluid level in the reservoir is above the "MIN" reference mark:

MIN = minimum level

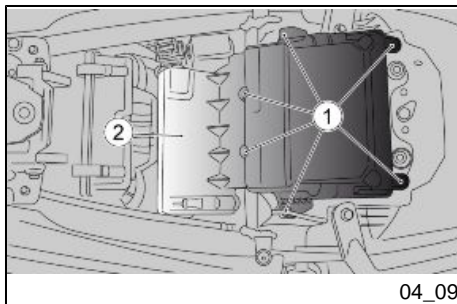
MAX = maximum level

Top-up if the fluid does not reach at least the "MIN" reference mark.

## Topping up clutch fluid

### CAUTION

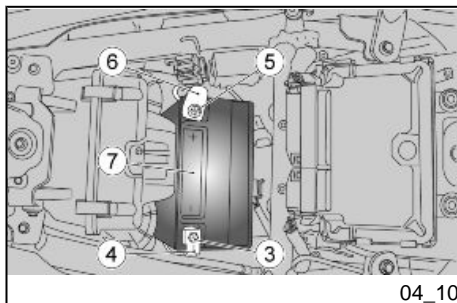
**FOR TOP-UP OF THE CLUTCH FLUID REFER TO AN Official Moto Guzzi Agent OR, IF YOU ARE EXPERIENCED AND QUALIFIED, YOU MAY REFER TO THE INSTRUCTION IN THE WORKSHOP MANUAL THAT MAY BE PURCHASED FROM THE SAME Official Moto Guzzi Agent.**



04\_09

## Use of a new battery (04\_09, 04\_10)

- Make sure that the ignition switch is set to "OFF".
- Remove the saddle.
- Undo the screws (1) and remove the cover (2).
- Unscrew and remove the screw (3) of the negative terminal (-).
- Move the negative lead (4) aside.
- Unscrew and remove the screw (5) of the positive terminal (+).
- Move the positive lead (6) aside.
- Hold the battery (7) firmly and lift it out of its compartment perpendicularly to its position.
- Put the battery away on a level surface, in a cool and dry place.



- Refit the saddle.

To install a new battery follow the operations described above but in reverse order.

#### CAUTION

UPON REFITTING, CONNECT THE LEAD TO THE POSITIVE TERMINAL (+) FIRST AND AFTERWARDS THE LEAD TO THE NEGATIVE TERMINAL (-).



CHECK THAT THE BATTERY LEADS AND TERMINALS ARE:

- IN GOOD CONDITION (NOT CORRODED OR COVERED BY DEPOSITS);
- COVERED BY NEUTRAL GREASE OR PETROLEUM JELLY.

### Checking the electrolyte level

#### WARNING

THIS VEHICLE IS FITTED WITH A MAINTENANCE-FREE BATTERY AND DOES NOT NEED ANY INTERVENTION, EXCEPT FOR SPORADIC CHECKS AND RE-CHARGE.

### Charging the battery

- Remove the battery.
- Get an adequate battery charger.
- Set the battery charger for the recharge type indicated.
- 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.

**Characteristic****RECHARGE MODES:**

Recharge - Ordinary

Electric Current - 1.8A

Time - 8-10 hours

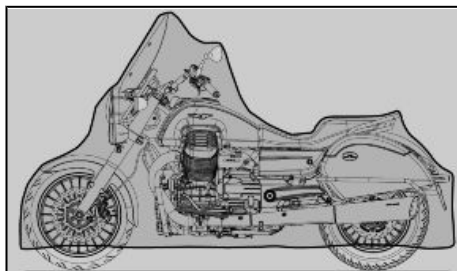
**Long periods of inactivity (04\_11)**

**IF THE VEHICLE IS OUT OF USE FOR MORE THAN TWENTY DAYS, DISCONNECT THE 30 A FUSE TO PREVENT BATTERY DETERIORATION CAUSED BY CURRENT CONSUMPTION BY THE MULTIFUNCTION COMPUTER.**

**CAUTION**

**REMOVING THE 30 A FUSES RESETS THESE FUNCTIONS: DIGITAL CLOCK, TRIP INFORMATION AND CHRONOMETER TIMES.**





04\_11

If the vehicle is inactive longer than fifteen days, it is necessary to recharge the battery to avoid sulphation.

- Remove the battery.

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

- Recharge it fully with an ordinary charge.

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

## Fuses (04\_12, 04\_13, 04\_14, 04\_15)

### CAUTION



**DO NOT REPAIR FAULTY FUSES.**

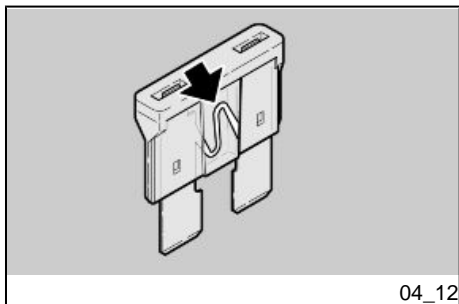
**NEVER USE A FUSE THAT IS DIFFERENT THAN WHAT IS SPECIFIED TO PREVENT DAMAGES TO THE ELECTRICAL SYSTEM OR SHORT CIRCUITS, WITH THE RISK OF FIRE.**

### NOTE

**A FUSE THAT BLOWS FREQUENTLY MAY INDICATE A SHORT CIRCUIT OR OVERLOAD. IF THIS OCCURS, CONTACT AN Official Guzzi 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 auxiliary fuses first, then the fuses of the ABS system (if fitted), and finally the main fuses.

**To check:**

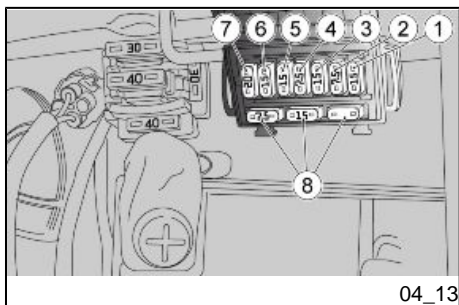
- Set the ignition switch to 'OFF' to avoid an accidental short circuit.
- Open the cover of the secondary fuse box on the right side of the front fairing.

- Take out one fuse at a time and check if the filament 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 IT WITH ONE OF THE SAME TYPE IN THE CORRESPONDING FITTING.**

- The main fuse box is found under the saddle.
- To check main fuses, carry out the same procedures described above for secondary fuses.

**AUXILIARY FUSES**

The main fuses are located in the central part of the motorcycle, under the rider saddle, on the right side.

- 1 - Low beam/high beam, passing, brake lights, daylight running lights, hazard button illumination, horn fuse (15 A).
- 2 - Instrument panel power, antitheft power fuse (7.5 A).
- 3 - ECU positive live fuse (15 A).
- 4 - ECU permanent live fuse (7.5 A).
- 5 - Coils, injectors, fuel pump protection fuse (15 A).

6 - Electrical socket, GPS socket, heated handgrips fuse (15 A)

7 - ABS power fuse (20 A)

#### NOTE

**THREE FUSES ARE SPARES (8).**

#### MAIN FUSES

The main fuses are located in the central part of the motorcycle, under the rider saddle, on the right side.

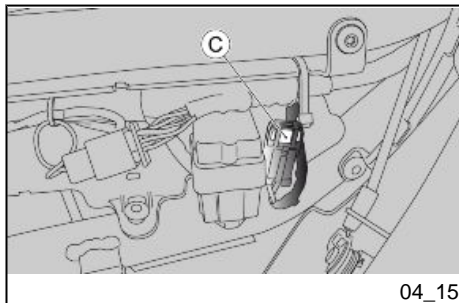
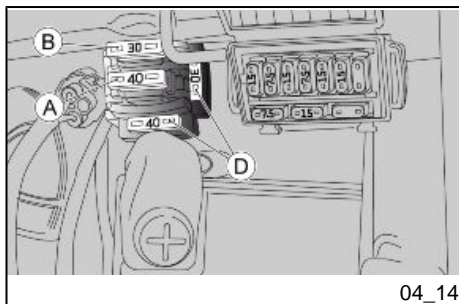
A - Battery charge fuse (40 A).

B - Primary injection relay, key, daylight running lights fuse (secondary power fuses 2, 4, 5) (30 A).

C - Electric fan fuse (10 A).

#### NOTE

**THERE ARE TWO SPARE FUSES (D).**



## Lamps (04\_16, 04\_17, 04\_18, 04\_19, 04\_20, 04\_21)

### 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.**

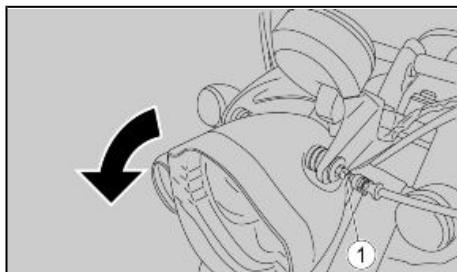
### BULB LAYOUT

In the front headlight there are:

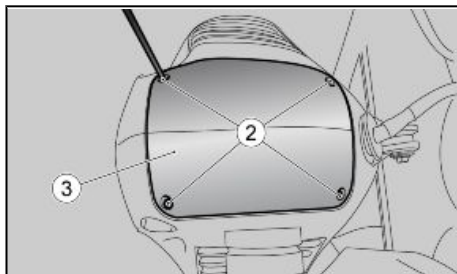
- LED daylight lights (side)
- One dipped headlight bulb (upper);
- One full beam headlight bulb (lower).

### HEADLAMP BULB REPLACEMENT

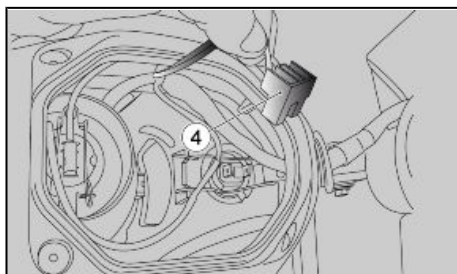
- Rest the vehicle on its stand.
- Remove the headlamp upper fixing screws (1)
- Turn the headlamp, unscrew the fixing screws (2) of the headlamp cover (3) and remove it



04\_16



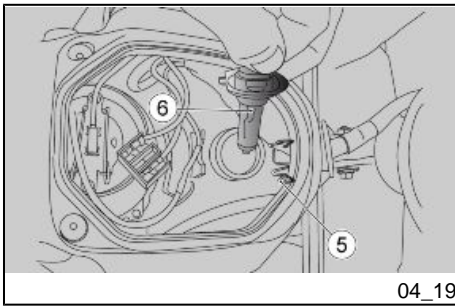
04\_17



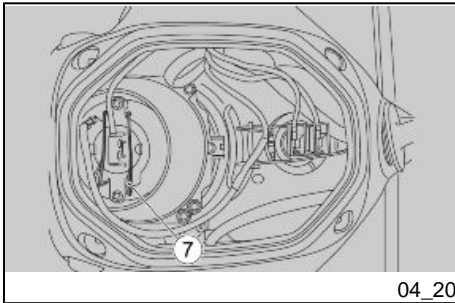
04\_18

### HIGH BEAM BULB

- Disconnect the connector (4) from the high beam bulb

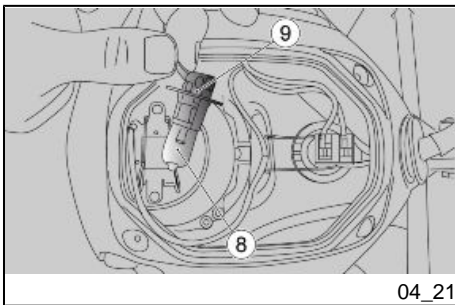


- Unhook the high beam bulb retainer spring (5)
- Now the bulb (6) can be removed and replaced



#### LOW BEAM BULB

- Disconnect the connector (7) from the low beam bulb

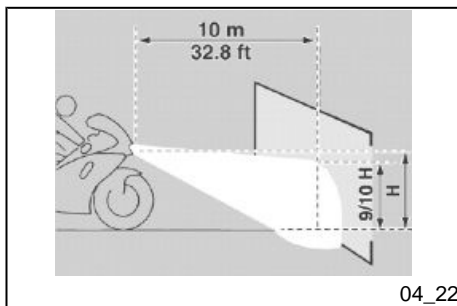


- Remove the low beam bulb (8) from the bulb holder (9) and replace it.

## Headlight adjustment (04\_22, 04\_23)

### NOTE

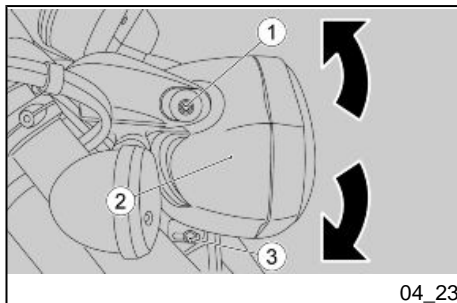
**IN COMPLIANCE WITH LOCAL LEGAL REQUIREMENTS, SPECIFIC PROCEDURES MUST BE FOLLOWED WHEN CHECKING LIGHT BEAM ADJUSTMENT.**



04\_22

For a quick check of the correct direction of the front light beam:

- Place the vehicle 10 m (32.8 ft) 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  $\frac{9}{10}$  of the total height).



04\_23

**To carry out vertical adjustment of the light beam:**

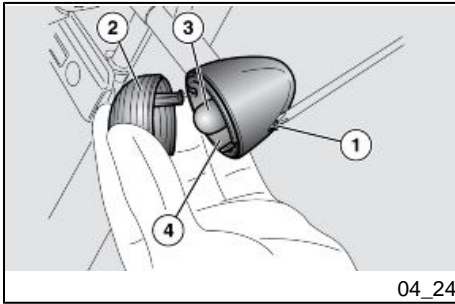
- Stand the motorcycle in a vertical position.
- Loosen the headlight (2) fixing screws (1) on the upper part from both sides

- Loosen the headlight fixing screws (3) on the lower part.
- Then turn the headlight until the beam is at the desired position:

After adjusting:

**NOTE**

**CHECK THAT THE LIGHT BEAM VERTICAL DIRECTION IS CORRECT.**



**Front direction indicators (04\_24)**

- Rest the vehicle on its stand.
- Loosen and remove screw (1).

**NOTE**

**REMOVE THE PROTECTION GLASS WITH CAUTION SO AS NOT TO BREAK THE FITTING TOOTH.**

- Remove the protective glass (2).

**CAUTION**

**UPON REFITTING, POSITION THE PROTECTIVE GLASS CORRECTLY IN ITS POSITION.**

**TIGHTEN THE SCREW (1) CAREFULLY AND MODERATELY TO AVOID DAMAGING THE PROTECTIVE GLASS.**

- Press bulb (3) slightly and turn it anticlockwise.
- Pull the bulb (3) out of 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.

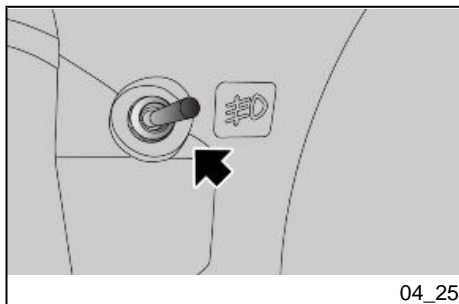
**NOTE**

**IF THE BULB HOLDER «4» IS STICKS OUT ITS FITTING, INSERT IT AGAIN CORRECTLY BY MATCHING THE BULB HOLDER RADIAL OPENING WITH THE SCREW SEAT.**

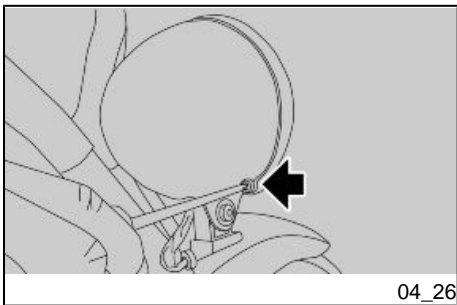
**Additional light activation (04\_25)**

To use the supplementary headlamps:

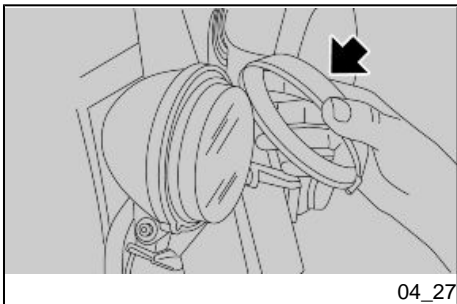
- Set the ignition switch in the direction of the fog light symbol, as shown in the figure.



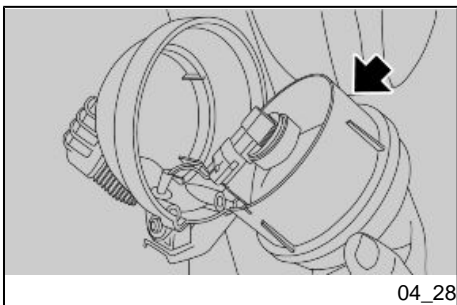
### Bulb replacement (04\_26, 04\_27, 04\_28, 04\_29)



- Undo the two frame fixing screws

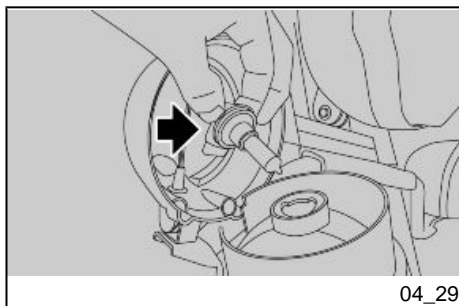


- Remove the frame



- Remove the bulb holder

- Disconnect the bulb connector
- Unscrew the bulb in an anticlockwise direction and remove it



### Rear optical unit

#### CAUTION

THE HEADLIGHT ASSEMBLY MUST BE REMOVED, CHECKED AND, IF NECESSARY, CHANGED BY AN OFFICIAL MOTO GUZZI DEALERSHIP OR, IF YOU ARE QUALIFIED TO DO SO YOURSELF, PERFORM THE PROCEDURES REFERRING TO THE INSTRUCTIONS GIVEN IN THE WORKSHOP MANUAL, WHICH MAY ALSO BE PURCHASED FROM THE OFFICIAL MOTO GUZZI DEALERSHIP.

### Rear turn indicators

#### CAUTION

THE HEADLIGHT ASSEMBLY MUST BE REMOVED, CHECKED AND, IF NECESSARY, CHANGED BY AN OFFICIAL MOTO GUZZI DEALERSHIP OR, IF YOU ARE QUALIFIED TO DO SO YOURSELF, PERFORM THE PROCEDURES REFERRING

TO THE INSTRUCTIONS GIVEN IN THE WORKSHOP MANUAL, WHICH MAY ALSO BE PURCHASED FROM THE OFFICIAL MOTO GUZZI DEALERSHIP.

## Number plate light

### CAUTION

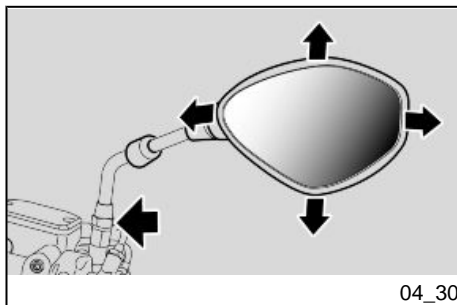
THE LICENSE PLATE LIGHT MUST BE REMOVED AND, IF NECESSARY, REPLACED BY AN Official Moto Guzzi Dealership OR, IF YOU ARE QUALIFIED TO DO SO BY YOURSELF, PERFORM THE PROCEDURES REFERRING TO THE INSTRUCTIONS GIVEN IN THE WORKSHOP MANUAL, WHICH MAY ALSO BE PURCHASED FROM THE Official Moto Guzzi.

## Rear-view mirrors (04\_30, 04\_31)



DO NOT RIDE WITH REAR-VIEW MIRRORS INCORRECTLY SET.

ALWAYS CHECK THAT THE MIRRORS ARE ADJUSTED CORRECTLY BEFORE SETTING OFF.



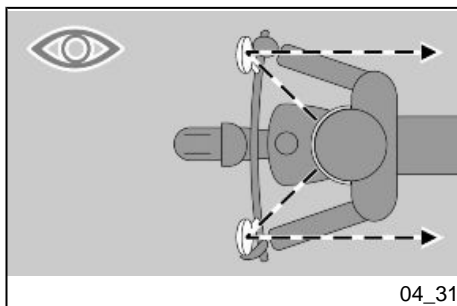
04\_30

**Rear-view mirrors removal:**

- Rest the vehicle on its stand.
- Loosen the locking nut.



**UPON REFITTING AND BEFORE TIGHTENING THE LOCKING NUT, MAKE SURE THAT THE REAR VIEW MIRROR SUPPORT STEM IS ALIGNED WITH THE HANDLEBAR.**



04\_31

- Slide up and remove the complete rear-view mirror unit.

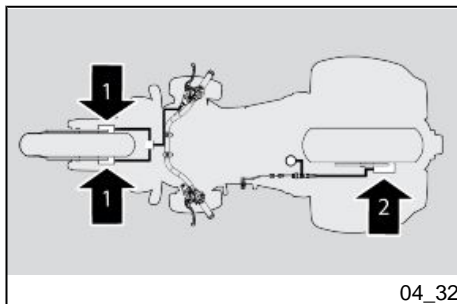
Repeat the procedure to remove the other rear-view mirror, if necessary.

**Rear-view mirrors adjustment:**

- Get onto the bike in the riding position.
- Turn the mirror, correctly adjusting the inclination.

Repeat the procedure to adjust the other mirror.

- Make sure there is no dirt or mud.



04\_32

**Front and rear disc brake (04\_32, 04\_33, 04\_34)****CAUTION**

**A DIRTY DISC SMEARS THE PADS RESULTING IN POOR BRAKING.**

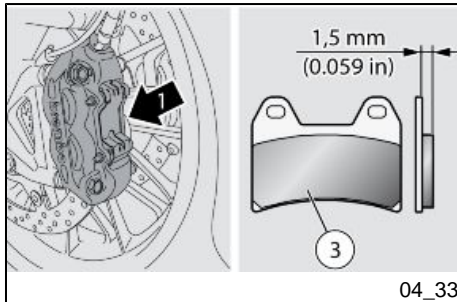
**REPLACE DIRTY PADS AND CLEAN AGAIN THE DIRTY DISC USING A TOP QUALITY DEGREASING PRODUCT.**

**CAUTION**

**TAKE YOUR VEHICLE TO AN Official Moto Guzzi Dealer TO HAVE THE REAR WHEEL REMOVED.**

**CAUTION**

**CHECK BRAKE PADS FOR WEAR MAINLY BEFORE EACH RIDE.**



**To perform a quick pad wear check:**

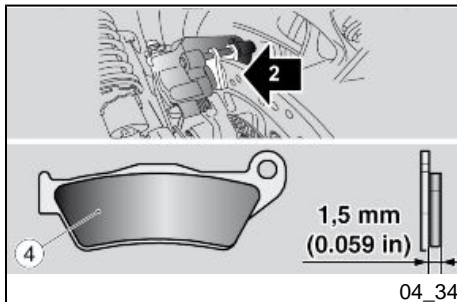
- Rest the vehicle on its stand.
- Carry out a visual inspection of brake disc and pads as follows:

- from the front side, check the front brake calliper (1);

- on the opposite side of the vehicle and through the rim, check the rear brake calliper (2).

**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.**



If the friction material thickness (even of one front (3) or rear (4) pad) is reduced to a value of about **1.5 mm (0.059 in)** (or even if one of the wear indicators is not very visible), contact an Official **Moto Guzzi** Dealer to replace all the calliper pads.

### **Periods of inactivity (04\_35)**

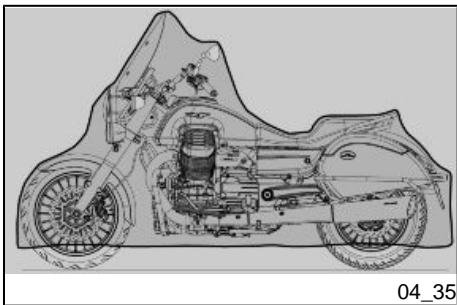
Take some measures to avoid the side effects of not using the scooter. Besides, it is necessary to carry out general repairs and checks before garaging the motorcycle as one can forget to do so afterwards.

Proceed as follows:

- Remove the battery.
- Wash and dry the motorcycle.
- Apply wax polish to painted and chromed surfaces.
- Inflate the tyres.
- Set the vehicle in a room with no heating or humidity, with minimum temperature variations and not exposed to sun rays.
- Wrap and tie a plastic bag around the exhaust pipe opening to keep moisture out.

#### **CAUTION**

**PLACE THE VEHICLE ON SUITABLE SUPPORTS TO KEEP THE TYRES OFF THE GROUND.**



Cover the vehicle but do not use plastic or waterproof materials.

#### CAUTION

**TO AVOID BATTERY DETERIORATION, FOLLOW THE PROCEDURE DESCRIBED FOR PROLONGED INACTIVITY.**

#### AFTER STORAGE

#### NOTE

**TAKE THE PLASTIC BAGS OFF THE EXHAUST PIPE OPENING.**

- Uncover and clean the vehicle.
- Check the battery for correct charge and install it.
- 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 (04\_36, 04\_37, 04\_38)**

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).
- Always clean off any smog and pollution residue, tar stains, insects, bird droppings, etc. from the bodywork.
- Avoid parking the vehicle 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**

**BEFORE WASHING THE VEHICLE, COVER THE ENGINE AIR INTAKES AND THE EXHAUST PIPES.**

**CAUTION**

**CLEAN THE INSTRUMENT PANEL WITH A SOFT CLOTH MOISTENED WITH WATER.**

**CAUTION**

**BEFORE WASHING THE WINDSCREEN, SOFTEN THE DIRT WITH WATER. THEN CLEAN THE INSTRUMENT PANEL WITH A SOFT CLOTH MOISTENED WITH WATER.**

**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.**

**NOTE**

**CLEAN THE CHROMIUM PARTS FREQUENTLY AND AFTER EACH TIME THE VEHICLE IS WASHED USING A SOFT CLOTH AND A NON ABRASIVE SOLUTION.**

To remove dirt and mud accumulated on painted surfaces, wet the soiled areas thoroughly with a low-pressure water jet, then remove dirt and mud with a soft car body sponge soaked abundantly in a solution of car body shampoo in water (2 - 4% shampoo dissolved 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. Wash anodised or painted aluminium parts with neutral soap and water. Using aggressive detergents may damage the surface treatment of these components.



**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 APPLYING SILICON WAX POLISH. DO NOT POLISH MATT-PAINTED SURFACES WITH POLISHING PASTE. THE VEHICLE SHOULD NEVER BE WASHED IN DIRECT SUNLIGHT, ESPECIALLY DURING SUMMER, OR WITH THE**

**BODYWORK STILL HOT AS THE CAR SHAMPOO CAN DAMAGE THE PAINT-WORK IF IT DRIES BEFORE BEING RINSED OFF.**

**CAUTION**



**DO NOT USE WATER (OR LIQUIDS) AT TEMPERATURES OVER 40°C (104°F) WHEN CLEANING THE VEHICLE PLASTIC PARTS. DO NOT AIM HIGH PRESSURE AIR/WATER JETS OR STEAM JETS DIRECTLY ON THESE COMPONENTS. DO NOT USE ALCOHOL OR SOLVENTS TO CLEAN ANY RUBBER OR PLASTIC SADDLE COMPONENTS: USE WATER AND MILD SOAP.**

**CAUTION**

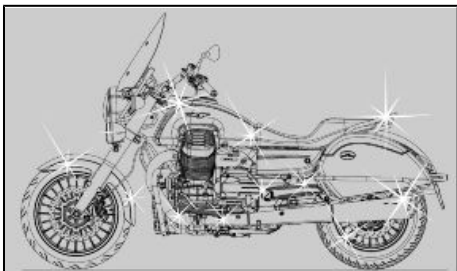
**DO NOT USE SOLVENTS OR PETROL BY-PRODUCTS (ACETONE, TRICHLOROETHYLENE, TURPENTINE, PETROL, THINNERS) TO CLEAN THE SADDLE. USE INSTEAD DETERGENTS WITH SURFACE ACTIVE AGENTS NOT EXCEEDING 5% (NEUTRAL SOAP, DEGREASING DETERGENTS OR ALCOHOL).**

**DRY THE SADDLE WELL AFTER CLEANING.**

**CAUTION**



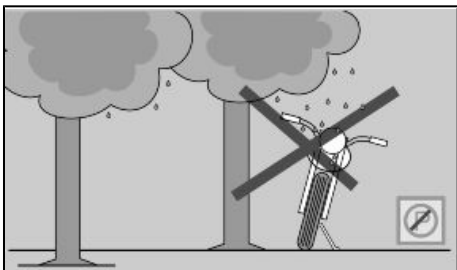
**DO NOT APPLY PROTECTIVE WAX ON THE SADDLE AS IT MAY BECOME SLIPPERY.**



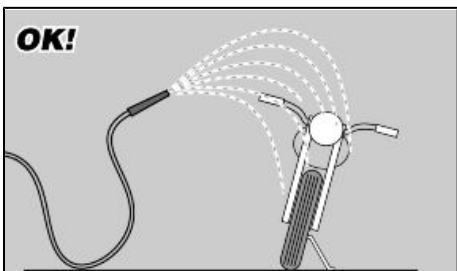
04\_36



WHEN USING A HIGH PRESSURE CLEANING SYSTEM (AFTER ENSURING THAT THE DETERGENT USED IS COMPATIBLE WITH THE MOTORCYCLE FINISH), MAINTAIN A DISTANCE OF AT LEAST HALF A METRE BETWEEN THE NOZZLE AND THE SURFACE BEING CLEANED.



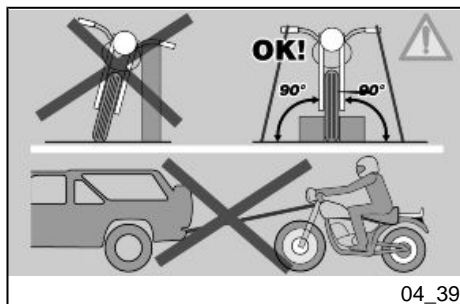
04\_37



04\_38



**CLEAN THE VEHICLE IMMEDIATELY WITH COLD WATER AFTER RIDING ON A ROAD TREATED WITH SALT: SALT IS HIGHLY CORROSIVE.**





# Moto Guzzi California



**Chap. 05**  
**Technical data**

## **WEIGHT AND DIMENSIONS**

Maximum length	2445 mm (96.26 in)
Maximum width to handlebar	915 mm (36.02 in)
Maximum width of the vehicle with accessories	1030 mm (40.55 in)
Maximum height	1460 mm (57.48 in)
Saddle height	740 mm (29.13 in)
Minimum ground clearance	165 mm (6.50 in)
Wheelbase	1685 mm (66.34 in)
Kerb weight	337 kg (742.96 lb)
Kerb weight of full house vehicle	337 kg (742.96 lb)

## **ENGINE**

Type	traverse-mounted four-stroke V 90°	twin-cylinder
No. of cylinders	2	
Cylinder arrangement	V of 90°	
Bore / stroke	104 x 81.2 mm (4.09 x 3.20 in)	
Engine capacity	1379.6 cm <sup>3</sup> (84.19 cu.in)	



Compression ratio	10.5: 1
Start-up	starter
Engine idle speed	1200 +/- 100 rpm
Clutch	hydraulically controlled single-plate dry clutch with incorporated flexible coupling
Lubrication system	Pressure-fed, controlled by valves and trochoidal pump
Air filter	cartridge-type dry filter
Cooling	air and oil cooled with independent trochoidal pump and oil pressure control valve
Timing system diagram	single overhead camshaft with roller tappets and rocker-operated valves

### **FUEL SYSTEM**

Fuel system	Electronic injection (Weber. Marelli)
Venturi	diameter: 52 mm (2.05 in)

Fuel	Premium unleaded petrol, minimum octane rating 95 (NORM) and 85 (NOMM)
------	--

### **CAPACITIES**

Engine oil	Oil change and oil filter replacement: 4010 cm <sup>3</sup> (244.70 cu.in)
Gearbox oil	430 cm <sup>3</sup> (26.24 cu.in)
Transmission oil	430 cm <sup>3</sup> (26.24 cu.in)
Fuel (reserve included)	20.5 +/- 0.5 l (4.51 +/- 0.11 UK gal) (5.41 +/- 0.13 gal US)
Fuel reserve	5 l (1.10 UK gal) (1.32 gal US)
Seats	2
Maximum weight limit	547 kg (1205.93 lb)

### **ELECTRICAL SYSTEM**

Spark plug	NGK LMAR8F
Electrode gap	0.6 - 0.7 mm (0.024 - 0.028 in)
Battery	12 V - 18 Ampere/hour

Alternator (permanent magnet type)	12 V - 550 W
Main fuses	40- 30- 10A
Auxiliary fuses	15 (4) - 7.5 (2) A
Front daylight running light	8 low intensity LEDs
(Halogen) low beam light	12V - 55W / H3
(Halogen) high beam light	12V - 55W / H7
Front turn indicators	12VRY10W
Rear turn indicators	9+9 low intensity LEDs
Tail lights /stop lights	6+6 low intensity LEDs
Supplementary headlamps (if fitted)	12V - 35W H8
Dashboard lighting	LED
License plate light	12V - 5 W
Cruise control warning light	LED
ABS warning light	LED
MGCT warning light	LED
Turn indicator warning light	LED
Low fuel warning light	LED

High beam warning light	LED
Neutral gear warning light	LED
General warning light	LED

## **CHASSIS**

Type	Tubular made of steel, closed double cradle, with elastokinematic engine mounting system for vibration isolation.
Trail	155 mm (6.10 in)
Headstock angle	32°
Front	46 mm (1.81 in) diameter hydraulic telescopic fork with radial brake calliper mounting bracket.
Front wheel travel	120 mm (4.72 in)
Rear	Swingarm with dual shock absorbers adjustable in the preload spring
Rear wheel travel	110 mm (4.33 in)

**BRAKES**

Front	Ø 320-mm (12.6 in) stainless steel double floating disc, radial callipers with 4 opposed pistons.
Rear	Ø 282-mm (11.1 in) stainless steel disc, floating calliper with 2 different pins.

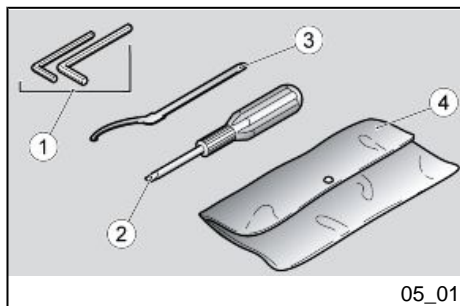
**TRANSMISSION**

Primary drive	Helical gear, ratio 26/35 = 1:1.346
Gear	Mechanical, 6 speeds with foot lever on the left hand side of the engine
Gear ratios, 1st gear	17/38 = 1:2.235
Gear ratios, 2nd gear	20/34 = 1:1.7
Gear ratios, 3rd gear	23/31 = 1:1.347
Gear ratios, 4th gear	26/29 = 1:1.115
Gear ratios, 5th gear	31/30 = 1:0.967
Gear ratios, 6th gear	30/24 = 1:0.800

Final drive	cardan shaft and bevel gear set
Ratio	10/36 = 1:3.600

## **WHEELS AND TYRES**

Type	Alloy wheels for tubeless tyres
Front wheel rim	3.50" x 18"
Rear wheel rim	6.00" x 16"
Tyres	Dunlop D 251
Front	130/70 R18 (63H)
Inflation pressure (front)	2.5 bar (250 kPa) (36.3 PSI)
Inflation pressure with passenger (front)	2.5 bar (250 kPa) (36.3 PSI)
Rear	200/60 R16 (79H)
Inflation pressure (rear)	2.7 bar (270 kPa) (39.2 PSI)
Inflation pressure with passenger (rear)	2.7 bar (270 kPa) (39.2 PSI)



### Kit equipment (05\_01)

**The tools supplied are:**

- 4 - 5 mm (0.16 - 0.20 in) L-shaped hex Allen keys (1);
- crosshead / plain slot screwdriver (2);
- shock absorber preloading adjustment wrench (3);
- one toolkit pouch (4);





# Moto Guzzi California



**Chap. 06**  
**Programmed**  
**maintenance**

## Scheduled maintenance table

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

For this purpose, Moto Guzzi has formulated a series of checks and scheduled services (at the owner's expense), are summarised in the table given in the following page. We recommend having any minor faults resolved immediately by an **Authorised Moto Guzzi Dealer**, without waiting until the next scheduled service interval.

All scheduled services must be carried out at the specified intervals and mileage, as soon as the predetermined mileage is reached. Carrying out scheduled services on time is essential for the validity of your warranty. For further information regarding Warranty procedures and "Scheduled Maintenance", please refer to the "Warranty Booklet".

### NOTE

**CARRY OUT MAINTENANCE OPERATIONS AT HALF THE INTERVALS SPECIFIED IF THE VEHICLE IS USED IN PARTICULAR RAINY OR DUSTY CONDITIONS, OFF ROAD OR FOR TRACK USE.**

### Routine maintenance table

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

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

- (1) Check and clean and adjust or replace, if necessary, before every journey.
- (2) Replace every 2 years or 20000 Km (12427 mi).
- (3) Replace every 4 years.
- (4) Check at each engine start.

(5) Periodic lubrication of the stand with spray grease is recommended after particularly hard use (dirt from salt, dust, etc.) or after long periods of inactivity.

(6) Lubricate if you are riding in the rain, on wet roads or after the vehicle has been washed.

(7) Replace at whichever of the following occurs first: 40000 km (24854 mi) or 48 months

(8) Replace every 70000 km (43495 mi)

### **ROUTINE MAINTENANCE TABLE**

<b>km x 1,000</b>	<b>1.5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>
Drive shaft (8)						I		R	
Exhaust pipe flange bolts	I		I		I		I		I
Spark plugs		I	R	I	R	I	R	I	R
Stand (5)		I	I	I	I	I	I	I	I
Control cables and controls (4)	I	I	I	I	I	I	I	I	I
Alternator belt						R			
Steering bearings and steering clearance	I	I	I	I	I	I	I	I	I
Wheel bearings		I	I	I	I	I	I	I	I
Brake discs	I	I	I	I	I	I	I	I	I
Air filter		R	R	R	R	R	R	R	R
Engine oil filter	R	R	R	R	R	R	R	R	R
Vehicle general operation	I	I	I	I	I	I	I	I	I
Braking systems	I	I	I	I	I	I	I	I	I
Light circuit	I	I	I	I	I	I	I	I	I

<b>km x 1,000</b>	<b>1.5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>
Safety switches	I		I		I		I		I
Brake fluid (2)	I	I	R	I	R	I	R	I	R
Clutch fluid (2)	I	I	I	I	I	I	I	I	I
Gearbox oil	R		R	R	R	R	R	R	R
Fork oil (7)					R				R
Engine oil	R	R	R	R	R	R	R	R	R
Final drive oil						R			
Clutch lever pin (6)	L	L	L	L	L	L	L	L	L
Tyres - pressure / wear (1)	I	I	I	I	I	I	I	I	I
Valve clearance adjustment	A	A	A	A	A	A	A	A	A
Wheels	I	I	I	I	I	I	I	I	I
Bolts and nuts tightening	I	I	I	I	I	I	I	I	I
Battery terminals tightening	I		I		I		I		I
Suspension	I		I		I		I		I
Filter box drainage tube		I	I	I	I	I	I	I	I
Fuel lines (3)		I	I	I	I	I	I	I	I
Brake lines (3)		I	I	I	I	I	I	I	I
Brake pad wear (1)	I	I	I	I	I	I	I	I	I

**RECOMMENDED PRODUCTS TABLE**

<b>Product</b>	<b>Description</b>	<b>Specifications</b>
ENI i-RIDE PG RACING 10W-60	Engine oil	SAE 10W - 60. As an alternative for recommended oils, top-branded oils that meet or exceed the requirements of CCMC G-4 A.P.I. SG specifications can be used.
AGIP GEAR SAE 80 W 90	Transmission oil	API GL-4
AGIP GEAR MG/S SAE 85 W 90	Gearbox oil	API GL-5
FUCHS TITAN SAF 1091	Fork oil	-
AGIP GREASE SM2	Lithium grease with molybdenum for bearings and other points to lubricate	NLGI 2
Neutral grease or petroleum jelly.	Battery poles	
AGIP BRAKE 4	Brake / Clutch fluid	SAE J 1703 -FMVSS 116 - DOT 3/4 - ISO 4925 - CUNA NC 956 DOT 4 synthetic fluid



# Moto Guzzi California



**Chap. 07**  
**Special fittings**

## Accessories index

This motorcycle is prepared for connection with the antitheft device, the connector is positioned under the saddle.

### CAUTION



**FOR INSTALLATION PLEASE CONSULT AN Authorized Service Centre, OR IF YOU ARE QUALIFIED OR AN EXPERT, YOU CAN REFER TO THESE INDICATIONS IN THE WORKSHOP MANUAL AVAILABLE AT THE SAME Authorized Service Centre.**

## Accessories index

For this vehicle, dedicated accessories and clothing are available. For additional info please refer to your dealer or visit our site:

[www.motoguzzi.it](http://www.motoguzzi.it)



# TABLE OF CONTENTS

## **A**

ABS: 49  
Accessories: 57, 128  
Advanced functions: 35  
Air filter: 84  
Alarms: 29

## **B**

Battery: 15, 86, 87  
Brake: 15, 85, 101

## **C**

Clutch: 15, 67, 86  
Clutch fluid: 15, 86  
Clutch lever: 67

## **D**

Disc brake: 101  
Display: 24

## **E**

Engine oil: 14, 78, 80, 81  
Engine stop: 47

## **F**

Fork: 66  
Fuel: 11  
Fuses: 89

## **G**

Gearbox oil: 14, 82

## **H**

Headlight: 95  
Horn: 42

## **I**

Identification: 56  
Instrument panel: 22

## **M**

Maintenance: 77, 121, 122  
Maintenance Table: 122  
Mirrors: 100

## **O**

Oil filter: 81

## **R**

rear-view mirrors: 100

## **S**

Saddle: 55  
Scheduled maintenance:  
122  
Shock absorbers: 64, 65  
Spark plug: 84  
Stand: 16, 70  
Start-up: 47  
Stop switch: 47

## **T**

Technical data: 111  
Turn indicators: 99  
Tyres: 82

## **W**

Warning lights: 13



## THE VALUE OF SERVICE

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

The reliability of the vehicle also depends on its mechanical conditions. Checking the vehicle before riding it, its regular maintenance and the use of **original Moto Guzzi spare parts** only are essential factors!

For information on the nearest **Official Dealer and/or Service Centre** consult our website:

[www.motoguzzi.com](http://www.motoguzzi.com)

Only by requesting Moto Guzzi original spare parts can you be sure of purchasing products that were developed and tested during the actual vehicle design stage. All Moto Guzzi original spare parts undergo quality control procedures to guarantee reliability and durability.

The descriptions and images in this publication are given for illustrative purposes only and are not binding.

While the basic characteristics as described and illustrated in this booklet remain unchanged, Piaggio & C. S.p.A. 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 should be checked with the Official Moto Guzzi sales network.

The Moto Guzzi brand is owned by Piaggio & C. S.p.A.

© Copyright 2012 - Piaggio & C. S.p.A. All rights reserved. Reproduction of this publication in whole or in part is prohibited.

Piaggio & C. S.p.A. Viale Rinaldo Piaggio, 25 - 56025 PONTEDERA (PI), Italy

[www.piaggio.com](http://www.piaggio.com)