

## **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.

# **V7 II Racer - V7 II Special - V7 II Stone**



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.*



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# V7 II Racer - V7 II Special - V7 II Stone



Chap. 01  
General rules

## Foreword

### NOTE

WE WOULD LIKE TO THANK YOU FOR CHOOSING A Moto Guzzi PRODUCT. THE V7 RACER HAS BEEN BUILT IN A LIMITED, NUMBERED SERIES AND HAS BEEN PERSONALISED WITH A NUMBER OF PREMIUM COMPONENTS CREATED SPECIFICALLY FOR THIS VERSION. DUE TO THE EXCLUSIVE NATURE OF THIS VEHICLE, PARTICULAR CARE IS NECESSARY WHEN USING IT AND IN THE CLEANING AND MAINTENANCE OF ITS COSMETIC ELEMENTS.

### 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 the 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. 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)**

#### **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.**

### CAUTION



**CARBON MONOXIDE IS ODOURLESS AND COLOURLESS, THEREFORE IT CANNOT BE DETECTED BY SMELL, SIGHT OR OTHER SENSES. DO NOT BREATHE IN EXHAUST FUMES UNDER ANY CIRCUMSTANCES.**

## 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 AND NEAR FUEL VAPOURS,**

**AVOIDING ANY CONTACT WITH NAKED FLAMES, SPARKS OR OTHER SOURCES WHICH MAY CAUSE THEM TO IGNITE OR EXPLODE.**

**DO NOT DISPERSE FUEL IN THE ENVIRONMENT.**

**KEEP OUT OF THE REACH OF CHILDREN**



**IF THE VEHICLE FALLS OR IS ON A STEEP INCLINE FUEL CAN LEAK.**

### **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**

#### **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.**

#### **WARNING**

**IF THE MOTORCYCLE TURNS OFF ACCIDENTALLY THE ECU WILL ALLOW IT TO BE RESTARTED WITHIN THE NEXT 5 SECONDS. ONCE THIS TIME HAS EX-**

PIRED, THE ECU WILL PREVENT RESTARTING FOR ANOTHER 2 SECONDS AND ONLY THEN WILL IT BE POSSIBLE TO START THE MOTORCYCLE.

## Warning lights



IF IF THE ALARM WARNING LIGHT TURNS ON DURING THE NORMAL OPERATION OF THE ENGINE, IT MEANS 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 ENGINE OIL PRESSURE WARNING LIGHT STAYS ON, OR IF IT TURNS ON DURING NORMAL OPERATION OF THE ENGINE, THIS 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.



PERFORM THE MOTOR OIL LEVEL CHECK. IF THE INSUFFICIENT MOTOR OIL PRESSURE LIGHT REMAINS DESPITE THE ABOVE PROCEDURE BEING PERFORMED CORRECTLY, CONTACT AN AUTHORIZED Moto Guzzi Dealer TO HAVE THE SYSTEM 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 fluid



**BRAKE FLUID MAY BE HARMFUL TO PAINTWORK, PLASTIC AND RUBBER. WHEN SERVICING THE BRAKING SYSTEM PROTECT THESE COMPONENTS WITH A CLEAN CLOTH. ALWAYS WEAR PROTECTIVE GOGGLES WHEN SERVICING THESE SYSTEMS. BRAKE FLUID IS EXTREMELY HARMFUL TO THE 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 IT OR SPILL IT, PARTICULARLY ON PLASTIC COMPONENTS. ENSURE THAT THE ELECTROLYTIC ACID IS COMPATIBLE WITH THE BATTERY TO BE ACTIVATED.

### Stand



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

DO NOT REST THE RIDER OR PASSENGER 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.**



01\_01



01\_02

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

### VEHICLE SCRAPPING

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

- Vehicles Disposal Centres

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

- Vehicle recycling cost

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

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

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

- "Vehicle recycling" seal



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

- Position of the recycling seal

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

- Questions regarding the vehicle scrapping

Contact your nearest vehicle disposal centre or the following organisations.

### **Japan Automobile Recycling Promotion Centre**

Home page:

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

### **Japan Automobile Recycling Promotion Centre call centre for vehicles recycling**

Telephone: 03-3598-8075

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

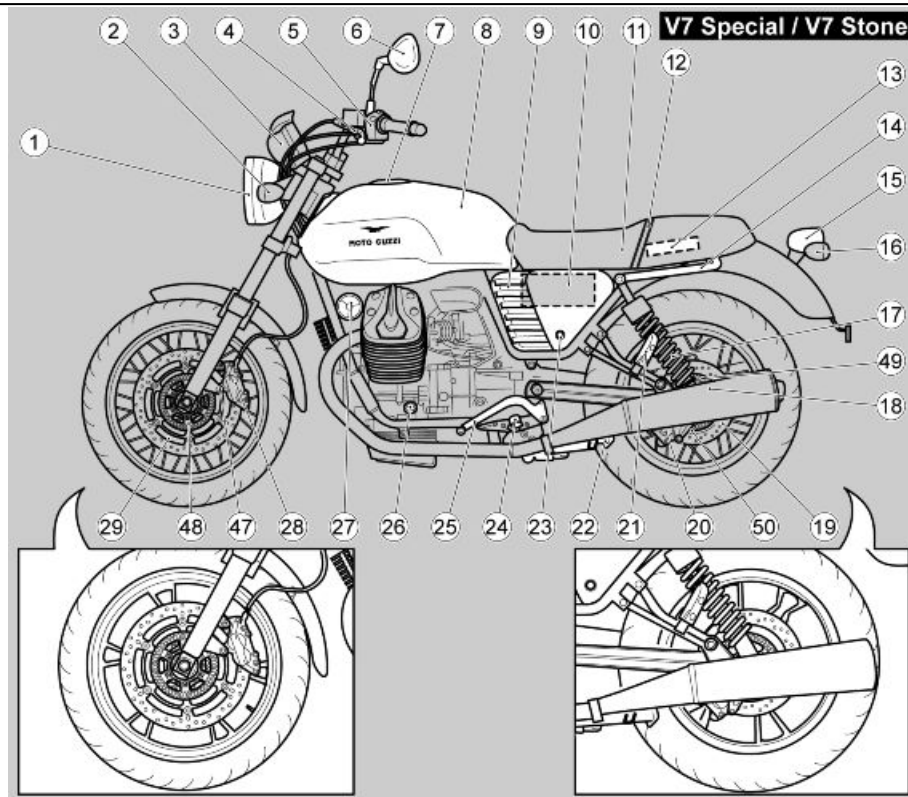


# V7 II Racer - V7 II Special - V7 II Stone

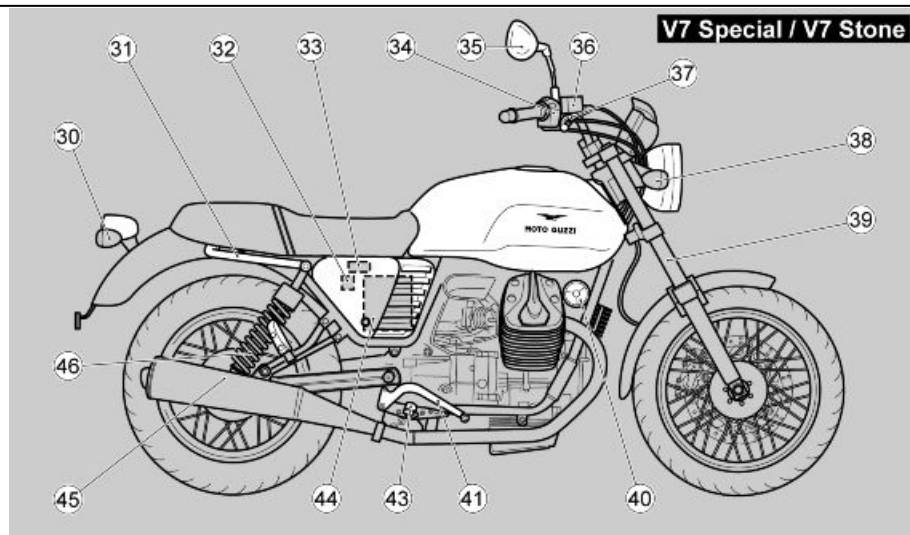


**Chap. 02  
Vehicle**

# Arrangement of the main components (02\_01, 02\_02, 02\_03, 02\_04)



02\_01

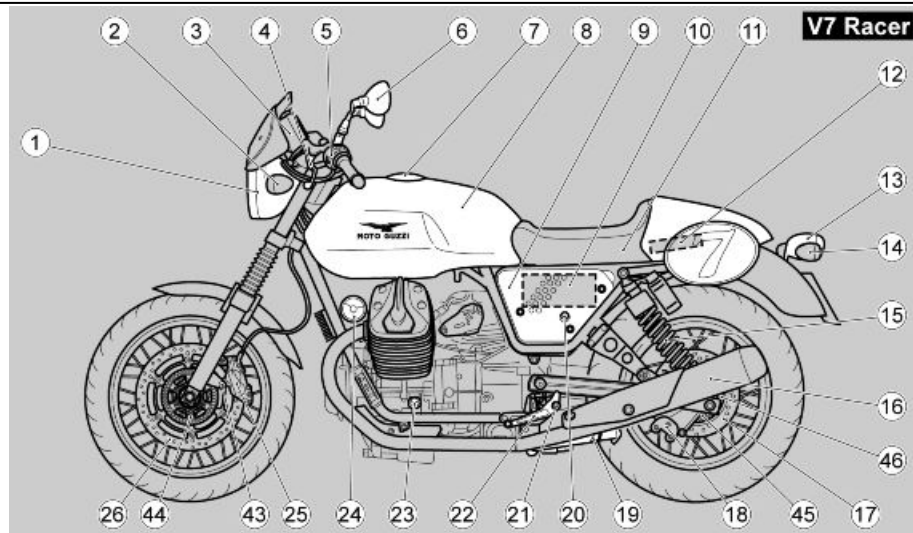


02\_02

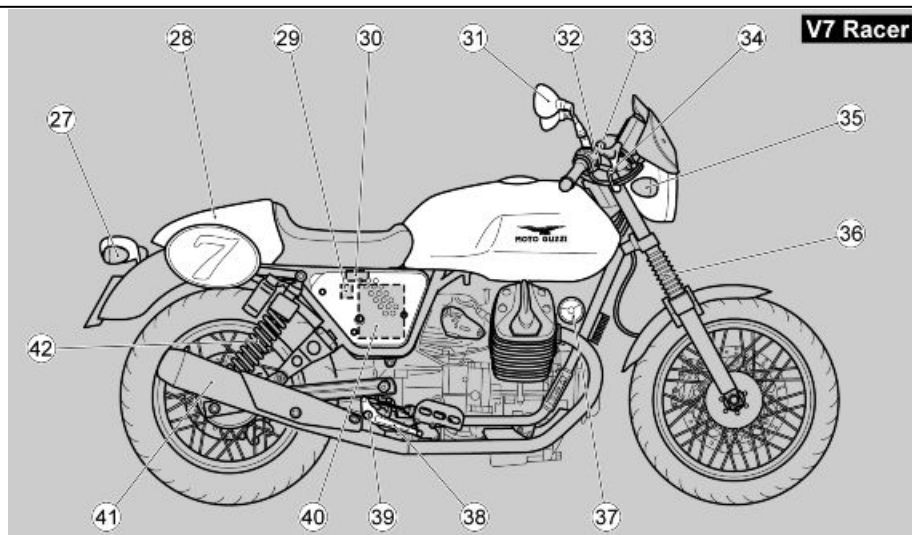
**Legend: V7 Special / V7 Stone:**

1. Headlamp
2. Front left turn indicator
3. Instrument panel
4. Clutch lever
5. Left light switch
6. Left rear-view mirror
7. Fuel tank cap
8. Fuel tank
9. Left side fairing
10. Air filter
11. Saddle

12. Passenger handgrip (if applicable)
13. Glove-box
14. Left hand passenger grab handle (if applicable)
15. Taillight
16. Rear left turn indicator
17. Rear left shock absorber
18. Left hand exhaust muffler
19. Rear disc
20. Rear brake calliper
21. Passenger left footrest
22. Side stand
23. Seat lock
24. Left rider footrest
25. Gear shift lever
26. Engine oil level dipstick
27. Left horn
28. Front brake calliper
29. Front disc
30. Rear right turn indicator
31. Right hand passenger grab handle (if applicable)
32. Rear brake fluid reservoir
33. Fuse box
34. Right hand light switch
35. Right rear-view mirror
36. Front brake fluid reservoir
37. Front brake lever
38. Front right turn indicator
39. Front fork
40. Right horn
41. Rear brake lever
42. Right rider footrest
43. Battery
44. Right hand passenger footpeg
45. Right hand exhaust muffler
46. Rear right shock absorber
47. Front speed sensor
48. Front tone wheel
49. Rear tone wheel



02\_03



02\_04

**Legend: V7 Racer:**

1. Headlamp
2. Front left turn indicator
3. Instrument panel
4. Clutch lever
5. Left light switch
6. Left rear-view mirror
7. Fuel tank cap
8. Fuel tank (\*)
9. Left side fairing
10. Air filter
11. Saddle
12. Glove-box
13. Taillight



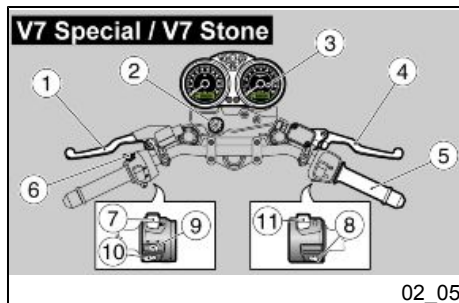
14. Rear left turn indicator
15. Rear left shock absorber
16. Left hand exhaust muffler
17. Rear disc
18. Rear brake calliper
19. Side stand
20. Seat lock
21. Left rider footrest
22. Gear shift lever
23. Engine oil level dipstick
24. Left horn
25. Front brake calliper
26. Front disc
27. Rear right turn indicator
28. Tail fairing
29. Rear brake fluid reservoir
30. Fuse box
31. Right rear-view mirror
32. Right hand light switch
33. Front brake fluid reservoir
34. Front brake lever
35. Front right turn indicator
36. Front fork
37. Right horn
38. Rear brake lever
39. Right rider footrest
40. Battery
41. Right hand exhaust muffler
42. Rear right shock absorber
43. Front speed sensor
44. Front tone wheel
45. Rear speed sensor
46. Rear tone wheel

#### CAUTION

**(\*) THIS MOTORCYCLE HAS BEEN PRODUCED AS A LIMITED EDITION WITH PREMIUM FINISH DETAILS AND MATERIALS. ANY MINOR IMPERFECTIONS IN**

THE CHROMED SURFACE OF THE FUEL TANK ARE NOT DEFECTS BUT A CHARACTERISTIC OF THE COMPONENT ITSELF.

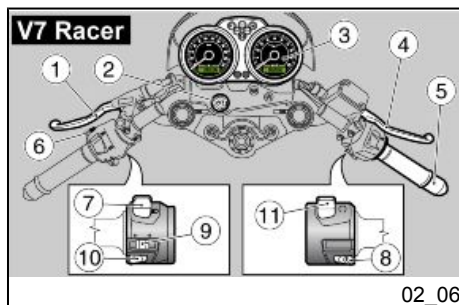
ANY IMPERFECTION OF THE TANK STRAP IS DUE TO THE NATURAL MATERIAL, LEATHER, WITH WHICH IT IS MADE AND WHICH OVER TIME CAN SHOW NORMAL SIGNS OF WEAR.



### Dashboard (02\_05, 02\_06)

key:

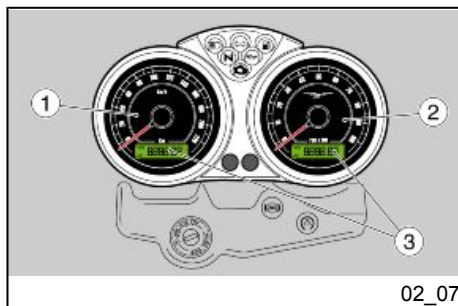
1. Clutch control lever
2. Ignition switch /steering lock
3. Instruments and gauges
4. Front brake lever
5. Throttle grip
6. High beam flashing switch
7. Light switch
8. Starter button
9. Turn indicator switch
10. Horn button
11. Engine stop switch



## Instrument panel (02\_07)

### Key:

1. Speedometer
2. Rpm indicator
3. Multifunctional digital display

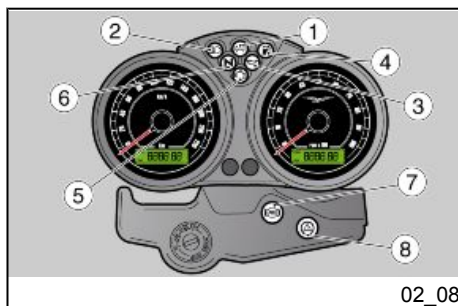


02\_07

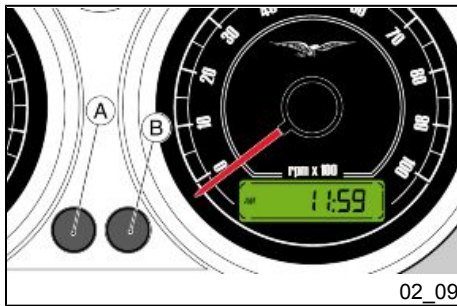
## Light unit (02\_08)

### key:

1. Turn indicator warning light (green)
2. High beam warning light (blue)
3. Engine oil pressure warning light (red)
4. Low fuel warning light (amber yellow)
5. MI warning light (amber yellow)
6. Gear in neutral warning light (green)
7. ABS warning light (amber yellow)
8. MGCT warning light (amber yellow)



02\_08



## Clock (02\_09)

### Clock adjustment

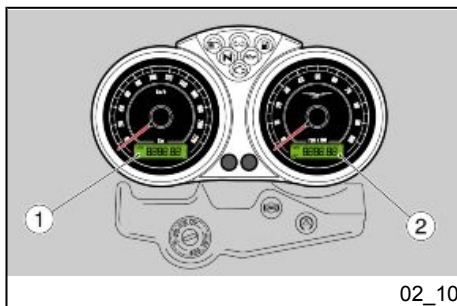
- Press key (B) for a couple of seconds.
- When this function is used, the AM symbol starts flashing.
- Press key (A) to change from AM to PM, with the flashing symbols.
- Press key (B) to change to the HOUR setting, and the specific digits flash. Each time key (A) is pressed, the value increases by 1 (from 0 to 11 and back to 0).
- Press key (B) to change to the MINUTE setting, and the specific digits flash.
- Each time key (A) is pressed, the counting advances by 1 (from 0 to 59 and back to zero).
- Press and hold key (A) for more than five seconds: the value increases by 1 every 100 ms.
- Press key (B) again to exit the setting mode and to go back to standard operation.
- The clock can be adjusted only when the vehicle is at standstill (zero speed).

### Clock display

- The display function is different from the adjustment function in that the central colon flashes.

Sequence displayed:

- AM from 0:00 to 11:59
- PM from 12:00 to 11:59



## Digital lcd display (02\_10)

- By turning the ignition key to "ON", the system works as follows:
  - it turns on all the warning lights at the same time (lamp check);
  - it resets the position of all the needles, which afterwards go to the bottom of the scale and return to zero;
  - it activates all the segments of both displays for one second;
  - it turns off all the warning lights (except the active ones) and the displays go back to standard view.

The standard indications displayed are:

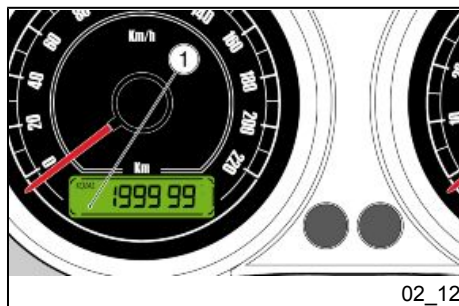
- total odometer (left LCD Display) (1);
- air temperature (right LCD Display) (2).

no matter the status of the displays before Key-Off.



## Maintenance icons (02\_11)

- The system displays the function as follows:
  - the word "MAInt" is shown on the left LCD Display (1) after the mileage corresponding to the first servicing or any subsequent servicing is exceeded.
  - This view is shown only after each start-up for 5 seconds; afterwards, it will shift to the standard view.
  - Consult an Official **Moto Guzzi** Dealer to reset Service.



02\_12

## Setting the total and trip odometers (02\_12, 02\_13)

### Total odometer

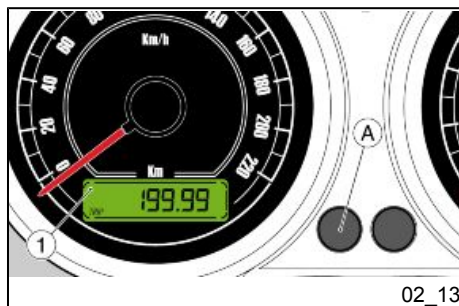
Unit of measurement for the counter: Km or Miles.

- View: on the left LCD display (1).

- This value is stored permanently.
- It cannot be reset.
- Total odometer displays this value as follows:

- the TOTAL symbol is activated;

- if the value exceeds 199999, the symbol "----" is displayed permanently.



02\_13

### Trip odometer

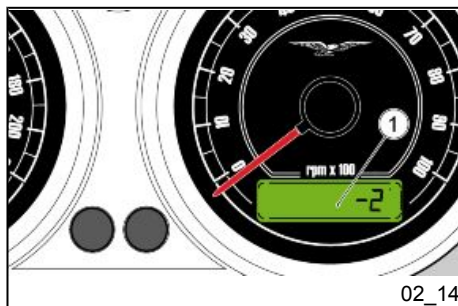
Unit of measurement for the counter: Km or Miles.

- View: on the left LCD display (1).

- This value is stored.
- Press and hold down key (A) for two seconds to reset the counter.
- Trip odometer displays the value as follows:

- the TRIP symbol and the decimal point are activated;

- if the value exceeds 999.9, the counter is reset and starts from "0.0" again.



02\_14

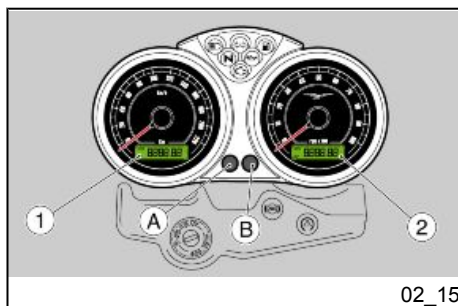
## Setting the outside temperature display (02\_14)

Unit of measurement: °C or °F.

- View: on the right LCD display (1).

The view limits are -10 / +60 °C (14 / 140 °F).

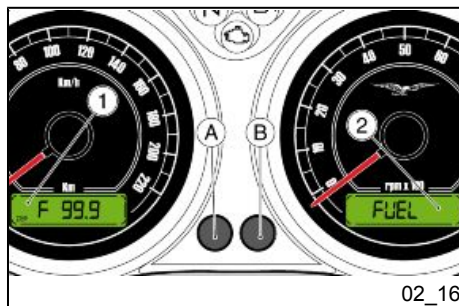
- If temperature is below -10 °C (14 °F), the word "LO" flashes on the right LCD display.
- If the value is between -10°C (14 °F) and +60°C (140 °F), it is shown steadily on the display.
- If the value is equivalent to or higher than +60°C (140 °F), the word "HI" flashes on the display. The symbol signalling what unit of measurement is being used comes on at the same time.
- If the sensor has no signal (short circuit or disconnected), three dashes "---" are shown steadily.



02\_15

## Control buttons (02\_15)

- Push button (A) with the ignition key set to "ON" and the following views are shown alternately on the left LCD Display (1):
  - total odometer (shows the total distance travelled);
  - trip odometer (shows the distance travelled since the last reset or use of reserve);
- Push button (B) with the ignition key set to "ON" and the following views are shown alternately on the right LCD Display (2):
  - clock;
  - air temperature.



## Advanced functions (02\_16)

### Trip Fuel Function (if supplied)

This function counts and displays the distance travelled with the vehicle in fuel reserve.

When the low fuel warning light turns on:

- the Trip Fuel counter is automatically shown on the left LCD display (1);
- if key (A) is pressed again, the Odometer or Trip can be viewed again and scroll through the full sequence of the three measurements: Odometer - Trip - Trip Fuel.

If the ignition key is set to "ON":

- the Trip Fuel is not shown the first sixty seconds (Reserve sensor stabilisation phase). Once this time is over, the Trip Fuel is displayed automatically. The Trip Fuel display mode is the following:
  - the TRIP symbol and point are activated and the letter "F" is shown in the digit furthest on the left;
  - the initial value is "0.0".

### Fuel Alarm Function (if supplied)

When the vehicle is in fuel RESERVE:

- the word "FUEL" is automatically shown on the right LCD display (2); it alternates with the measurement generally displayed (Clock or air temperature)
- The word "FUEL" does not come on at start-up.

### Unit selection function

This function allows changing the unit of measurement (°C or °F) for air temperature.

- If the ignition key is set to "ON", press and hold down both keys (A and B): the current setting, either "EU" (°C) or "USA" (°F), flashes on the right LCD display (1).



- Press key (A): to shift from "EU" (°C) to "USA" (°F) and vice versa.
- Press and hold down key (B) for 5 seconds and the last setting is stored permanently and the word "OFF" is shown on the right LCD display (1).
- To go back to the standard mode, turn the ignition key to "OFF".

This setting does not affect the unit of measurement for the Odometer/Trip (Km or Mile).

### **Instrument backlighting adjustment**

Backlighting of instruments and gauges (needles of scales and displays) can be adjusted at three levels.

This parameter can be adjusted within five seconds after start-up. Every time key (B) is pressed, it goes to the lower level to return afterwards, in circular sequential mode, to the maximum level.

Once key (B) is released for two seconds, the selection is stored and the next time the vehicle is started, the system maintains the lighting level selected.

### **Ignition switch (02\_17)**

The ignition switch is located on the headstock upper plate.

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

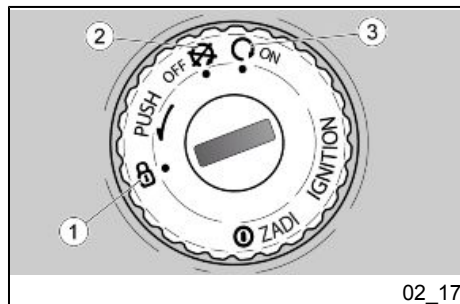
The lights switch off when the ignition switch is set to «OFF»

#### **NOTE**

**THE KEY IS USED IN THE IGNITION/STEERING LOCK SWITCH, THE KEYHOLE FOR THE FUEL TANK CAP, AND FOR THE SADDLE COMPARTMENT.**

#### **NOTE**

**THE LIGHTS COME ON AUTOMATICALLY AFTER THE ENGINE STARTS.**

**NOTE**

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

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

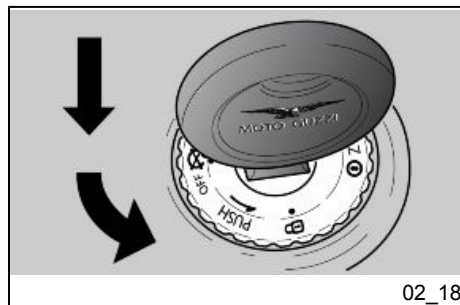
**OFF (2):** The engine and lights cannot be set to work. The key can be extracted.

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

### Locking the steering wheel (02\_18)

**CAUTION**

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



#### To lock the steering:

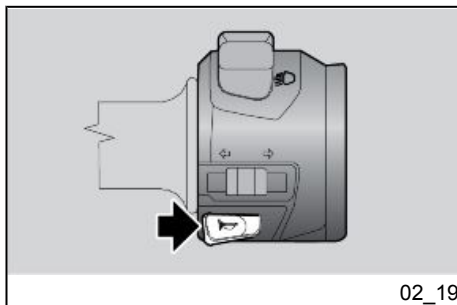
- Turn the handlebar fully to the left.
- Turn the key to «OFF».
- Press and turn the key anticlockwise (to the left), move the handlebar slowly until the key is set to «**LOCK**».
- Take out the key.

## Horn button (02\_19)

### NOTE

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

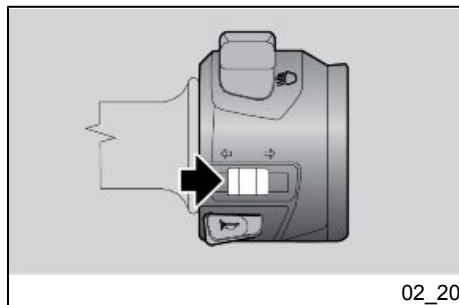
Press it to activate the horn.



## Switch direction indicators (02\_20)

### 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.

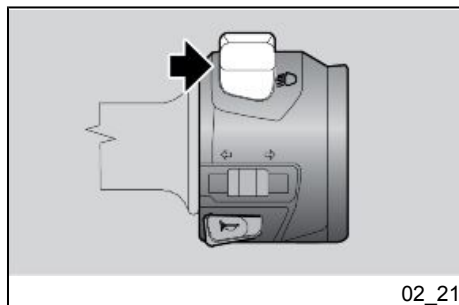
#### CAUTION

**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\_21)

#### NOTE

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



#### Light switch

- With the switch down, the daylight running lights, instrument panel backlight and low beam lights are lit at all times.
- Push the switch up to turn on the high beam lights.

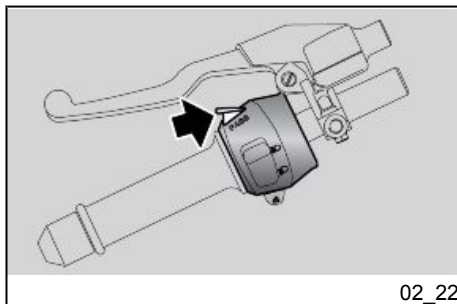
## Passing button (02\_22)

### NOTE

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

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

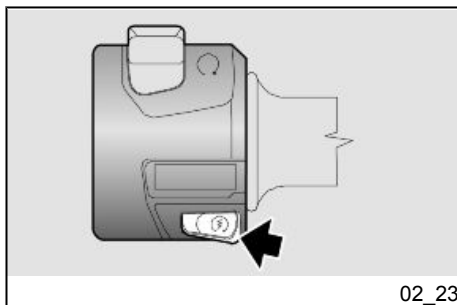
Releasing the switch deactivates the high beam flash.



## Start-up button (02\_23)

### NOTE

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



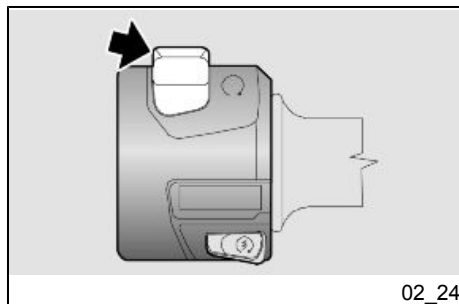
- Press the button and the starter motor spins the engine.
- After starting the engine by pressing the starter button for 3 seconds, the MGCT control system activates/deactivates.

**NOTE**

TO REPEAT THE ACTIVATION/DEACTIVATION OF MGCT CONTROL SYSTEM, WAIT TWO SECONDS AND PRESS THE STARTER BUTTON AGAIN.

**Engine stop switch (02\_24)****CAUTION**

**DO NOT OPERATE THE ENGINE STOP SWITCH WHILE RIDING THE VEHICLE.**



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

When the switch is pressed in "KEY ON", the engine can be started; when pressed in "KEY OFF", the engine stops.

**CAUTION**

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

**WITH THE VEHICLE AT A STANDSTILL AND AFTER SHUTTING OFF THE ENGINE, TURN THE IGNITION SWITCH TO «OFF».**

## System ABS (02\_25, 02\_26, 02\_27)

The vehicle is equipped with a locking ABS system on the front and rear wheel.

**A: Tone wheel**

**B: Speed sensor**

- **ABS:** It is a hydraulic - electronic device that limits the pressure within the braking circuit when a sensor, located on the wheels, detects its tendency to lock. This system prevents the wheels from locking to avoid the risk of falling.

In case of failure of the ABS system, immediately reported to the rider with ABS warning light on the instrument panel, the vehicle retains the characteristics of a conventional braking system. In case of ABS warning light, reduce speed and go to an Authorised Service Centre for the appropriate checks.. The safety provided by the ABS does not, in any case, justify risky manoeuvres. The stopping distance may be greater, compared to a conventional vehicle equipped with traditional braking in the following conditions:

- Riding on rough roads, with gravel or snow
- Riding on roads with holes or bumps

It is therefore recommended to reduce speed in these conditions.

### CAUTION

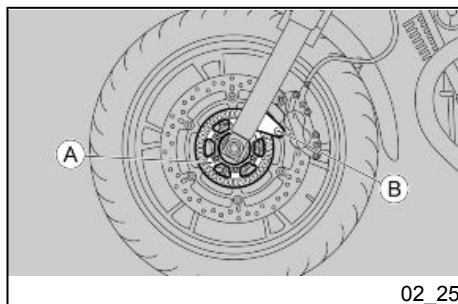


**AT VERY LOW SPEEDS (LESS THAN 5 KM/H) THE ABS SYSTEM IS DISABLED.**

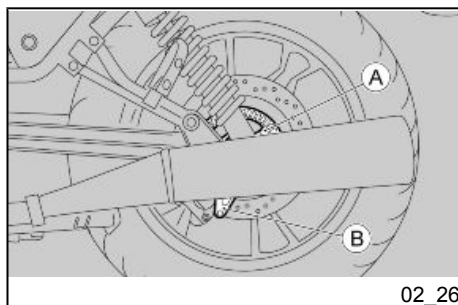
**IT IS THEREFORE RECOMMENDED TO PAY ATTENTION IN CASES OF BRAKING IN LOW GRIP CONDITIONS AT LOW SPEED (FOR EXAMPLE BRAKING ON GARAGE FLOOR TILES AFTER HAVING RIDDEN ON WET ROADS OR SIMILAR SITUATIONS).**

### NOTE

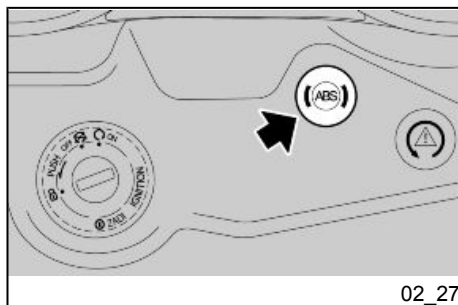
**WHEN TURNING THE KEY ON, THE ABS WARNING LIGHT TURNS ON AND FLASHES UNTIL REACHING 5 KM/H; AT THIS POINT IT TURNS OFF.**



02\_25



02\_26



02\_27

**CAUTION**

THE STEADY LIGHTING OR THE CONTINUOUS FLASHING OF THE ABS WARNING LIGHT INDICATES THE PRESENCE OF AN ANOMALY AND THE DEACTIVATION OF THE ABS FUNCTIONALITY.

**CAUTION**

IN THE EVENT OF MALFUNCTION OF THE BATTERY, THE ABS - MGCT SYSTEM TURNS OFF.

**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) (02\_28, 02\_29)****MGCT SYSTEM**

The MGCT system is a device that helps the rider during acceleration in manoeuvres with the aim to increase the stability of the vehicle, especially on slippery surfaces or in conditions that can cause sudden slippage of the rear wheel. In these situations, the MGCT automatically intervenes by reducing engine output within the limit imposed by the grip conditions, contributing significantly to the maintenance of stability of the vehicle. 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, taking into consideration that the physical limits of ve-



hicle grip on the road never have to be exceeded. Under no circumstances can MGCT compensate for any rider error or improper use of the throttle.

### CAUTION



**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

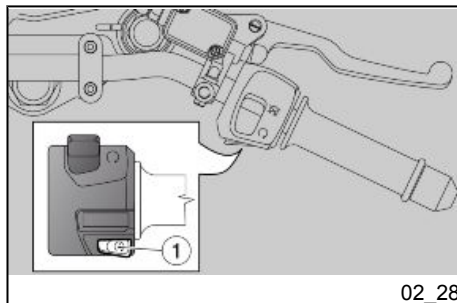
**THE MGCT SYSTEM IS BASED ON THE RECOGNITION OF SPEED DIFFERENCES BETWEEN FRONT AND REAR WHEEL. IN ORDER FOR THE SYSTEM TO MAINTAIN MAXIMUM EFFICIENCY IN ALL CONDITIONS, THE CALIBRATION PROCEDURE MUST BE PERFORMED EVERY TIME, EVEN IN CASE OF REPLACEMENT OF JUST ONE TYRE.**

**FOR THE CALIBRATION OF THE CONTROL UNIT PERFORM THE PROCEDURE BELOW.**

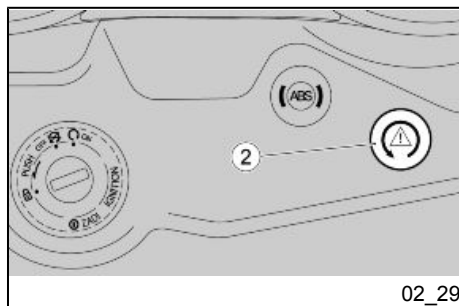
- **BUTTON (1) (with the engine running):** on / off.
- **ICON (2):** operating indication icon.

#### Flashing mode:

- Off with the vehicle in gear: the system is working, but is not active (normal condition).
- Flashing quickly with moving vehicle: the system is up and running (conditions of low grip and intervention to reduce engine power); we recommend the utmost caution because the grip limit has been exceeded; restore the vehicle safety conditions by gently reducing the throttle opening.



02\_28



- Lit with moving vehicle: the system is disabled and will not intervene in case of loss of grip.

- If the deactivation was voluntary (by pressing the appropriate button (1) for 2 seconds with the engine running) it is recommended to reactivate the system as soon as possible.
- If the deactivation was **NOT** voluntary, there is an MGCT failure: in this case you must contact an **Authorised Service Centre** for the diagnosis and the reactivation of the system.

To ensure maximum safety of the vehicle it is advisable to keep the system active. Deactivation may be necessary only in case of starting with very low grip surfaces (mud, snow) on which the operation of the MGCT could actually prevent the movement of the vehicle.

#### NOTE

**AT VEHICLE START-UP THE MGCT WARNING LIGHT FLASHES AT THE SAME FREQUENCY AS THE ABS WARNING LIGHT, INDICATING A DIAGNOSTIC PHASE OF THE SYSTEM. IN THE ABSENCE OF ERRORS, BOTH WARNING LIGHTS TURN OFF AT THE SAME TIME WHEN EXCEEDING 5 KM/H.**

**IN CASE OF ABSENCE OF FLASHING AT START-UP, THE SYSTEM MAY NOT WORKING, PLEASE CONTACT AN AUTHORISED SERVICE CENTRE.**

#### WARNING



**THE MGCT SYSTEM IS ACTIVATED AT EVERY «ON» POSITIONING OF THE IGNITION SWITCH.**

**IF DISABLED BY THE USER, THE MGCT SYSTEM KEEPS THE STATE OF INACTIVITY ONLY IF THE VEHICLE IS OFF, BY USING THE ENGINE STOP SWITCH; AT THE NEXT KEY ON, THE MGCT SYSTEM IS ENABLED AUTOMATICALLY.**

**CAUTION**

IT IS EMPHASISED THAT THE RIDING AUXILIARY SYSTEM CAN NOT CHANGE THE PHYSICAL LIMITS OF GRIP AND IS NOT A SUBSTITUTE FOR PROPER MANAGEMENT OF POWER, BOTH ON STRAIGHT STRETCHES AND IN TURNS. THEREFORE, IT IS RECOMMENDED TO ALWAYS USE THE VEHICLE WITH THE UTMOST CARE AND IN ACCORDANCE WITH THE REGULATIONS IN FORCE.

**NOTE**

IN CASE OF ROADS FULL OF POTHOLE'S BRIEF ACTIVATION OF THE MGCT SYSTEM MAY OCCUR. THIS OCCURS UNDER NORMAL OPERATING CONDITIONS OF THE VEHICLE.

**CAUTION**

A POOR STATE OF MAINTENANCE OF THE TYRES CAN RESULT IN ABNORMAL OPERATION OF THE MGCT SYSTEM.

IN CASE OF REPEATED INTERVENTIONS OF THE MGCT, EVEN ON ROAD SURFACES WITH GOOD GRIP OR SMALL THROTTLE OPENINGS, IT IS NECESSARY TO CHECK FOR WEAR AND/OR THE STATE OF INFLATION OF TYRES FIRST. IF THE PROBLEM PERSISTS, CONTACT AN AUTHORISED SERVICE CENTRE.

**CAUTION**

IN THE EVENT OF MALFUNCTION OF THE BATTERY, THE ABS - MGCT SYSTEM TURNS OFF.

**MGCT SYSTEM CALIBRATION PROCEDURE**

In order to maintain the effectiveness of the MGCT system following the replacement of one or both tyres or in the case of serious wear, causing a non-compliant behaviour of the MGCT, a calibration procedure of the system must be performed as follows on a straight flat stretch of road.

- It is necessary that the diagnostic phase of the MGCT and ABS systems is complete: for this purpose, after switching to (ON), ride a short distance above 5 km/h and wait for the flashing of the two warning lights to stop.
- Allow the engine to idle for at least 5 seconds.
- Disable the MGCT control system by pressing the on / off button until the warning light is steady lighting.
- Pull the clutch lever while pressing the starter button (1) for at least 5 seconds. The activation of the process will be confirmed by the MGCT warning light (2) turning on with slow flashing.
- Accelerate to a constant speed of 30 km/h and maintain it for at least 8 seconds. The permanence of the vehicle speed in the correct field to complete the procedure will be confirmed by a very quick flashing of the MGCT warning light (2).
- The end of the procedure will be indicated by the MGCT warning light (2) turning off. The MGCT system is active.
- Once the procedure is completed, it is necessary to switch to (OFF) and wait for at least 60 seconds before being able to switch again to (ON).
- In case of failure to complete the procedure within 5 minutes, the MGCT warning light (2) will stay on steady and the MGCT system will remain off until switching to (OFF).
- To reactivate the MGCT system, it must be switched again to (ON). It is however necessary to repeat the process until it succeeds.

#### **CAUTION**

**IF NECESSARY, CONTACT AN AUTHORISED SERVICE CENTRE.**

#### **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)

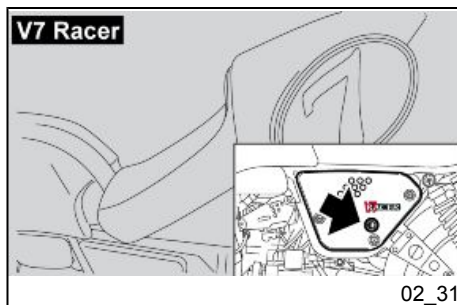


#### Opening the saddle (02\_30, 02\_31)

- Rest the vehicle on its stand.
- Insert the key in the saddle lock.
- Turn the key clockwise by pressing slightly the centre of the saddle rear part so that the hook is easily released; lift and slide off the saddle backwards.

#### CAUTION

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



#### To lock the saddle:

- Place the saddle front part in its seat and lower the rear part.
- Press the rear part to trip the lock.



**BEFORE RIDING, MAKE SURE THAT THE SADDLE IS CORRECTLY LOCKED.**

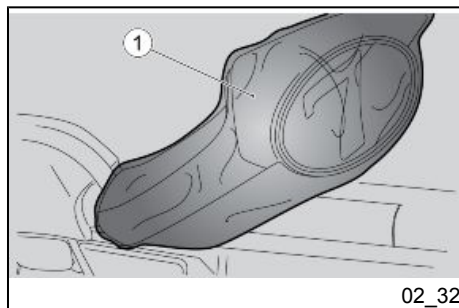
## **Saddle guard (02\_32)**

(V7 Racer)



**THE SADDLE IS MADE FROM NATURAL MATERIAL AND MUST BE PROTECTED WITH THE SPECIFIC SADDLE COVER (1) IN THE EVENT OF BAD WEATHER OR WHEN THE MOTORCYCLE IS WASHED.**

**WHEN THE SADDLE IS COVERED WITH THE CORRESPONDING PROTECTION IT CAN BECOME VERY SLIPPERY. THEREFORE, BE VERY CAREFUL.**



- Remove the saddle.
- Remove the saddle cover (1) from the bag.
- Store the saddle cover bag in the specific compartment next to the battery.
- Wrap the cover (1) around the saddle. The cover will be held in place by the frame.
- Refit the saddle, with the saddle cover (1) fitted

After use:

- Remove the saddle.
- Remove the saddle cover (1) from the saddle and set the saddle down in a dry place.
- Shake the saddle cover (1) vigorously to remove any water.
- Place the saddle cover (1) in the bag.
- Refit the saddle.

## Glove/tool kit compartment

Remove the saddle to have access to the glove-box / toolkit compartment.

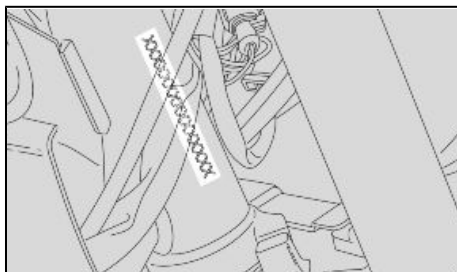
## Identification (02\_33, 02\_34)

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.**

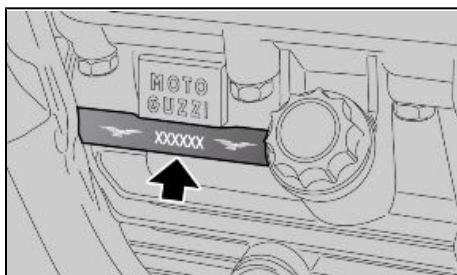


02\_33

**CHASSIS NUMBER**

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

Chassis No. ....



02\_34

**ENGINE NUMBER**

The engine number is stamped on the left side, close to the engine oil level check cap.

Engine No. ....



# V7 II Racer - V7 II Special - V7 II Stone



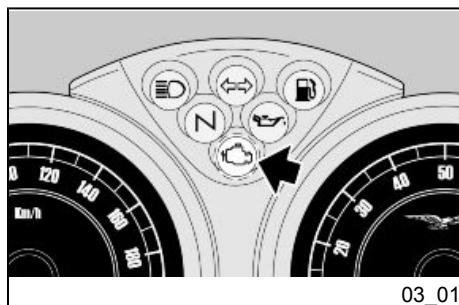
**Chap. 03  
Use**

## 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.



Every time the ignition switch is set to 'KEY ON', the 'MI' warning light turns on for about two seconds.

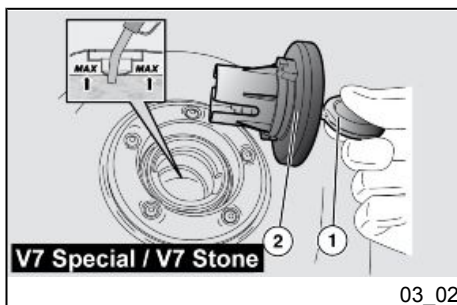
### PRE-RIDE CHECKS

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	<p>Check that tyres are in good conditions. Check inflation pressure, tyre wear and potential damage.</p> <p>Remove any possible strange body that might be stuck in the tread design.</p>
Brake levers	<p>Check they function smoothly.</p> <p>Lubricate the joints and adjust the travel if necessary.</p>
Clutch lever	Check correct operation and empty travel. Check the condition of the cable on the handlebar and on the engine. The cable must be replaced if it shows any signs of fraying. Lubricate the joints if necessary.
Steering	Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.

Side stand	Check that it slides smoothly and that it snaps back to its rest position upon spring tension. Lubricate couplings and joints if necessary.
Clamping elements	Check that the clamping elements are not loose.  Adjust or tighten them as required.
Fuel tank	Check the coolant level and refill if necessary.  Check the circuit for leaks or obstructions.  Check that the tank cap closes correctly.
Engine stop switch (ON - OFF)	Check function.
Lights, warning lights, horn, rear stop light switch and electrical devices	Check function of horn and lights. Replace bulbs or repair any faults noted.
Transmission oil - Guzzi	Check. Should top-up be necessary, please refer to an authorised <b>Moto Guzzi</b> repair shop.
Tone wheels	Check that the tone wheels are perfectly clean and in good conditions.



## Refuelling (03\_02, 03\_03)

To refuel:

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

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

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



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

**WHEN REFUELLING, AVOID FUEL LEAKS THAT MAY CAUSE DAMAGES TO PROPERTIES AND/OR PEOPLE AND FIRE HAZARD.**

**DURING REFUELLING, AVOID THE USE OF ELECTRIC DEVICES AND/OR MOBILE PHONES, BECAUSE FUEL VAPOURS MAY CAUSE DAMAGE TO OBJECTS AND/OR PERSONAL INJURIES.**

## Characteristic

**Fuel tank (reserve included)**

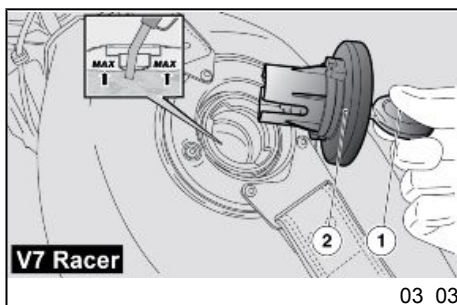
21 l (4.62 UKgal; 5.55 US gal)

**Fuel tank reserve**

4 l (0.88 UKgal; 1.06 US gal)

- Refuel.

**After refuelling:**



**CAUTION**

**THE CAP CAN ONLY BE CLOSED IF THE KEY (1) IS INSERTED.**

- Once the key (1) is inserted, press the cap to close it again.

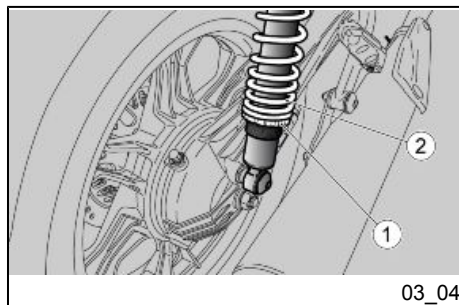


**MAKE SURE THE CAP IS TIGHTLY CLOSED.**

- Remove the key (1).

### **Rear shock absorbers adjustment (03\_04, 03\_05, 03\_06, 03\_07)**

**(V7 Special / V7 Stone)**



To adjust the setting, the shock absorber has a ring adjustment (1) in order to regulate the spring preload (2).

**NOTE**

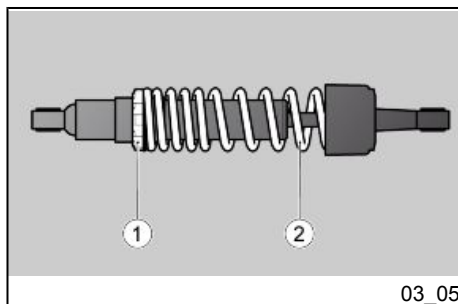
**THE MOTORCYCLE REAR HEIGHT CAN BE ADJUSTED TO PERSONALISE THE SUSPENSION SETTING.**

**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.**

**CAUTION**

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

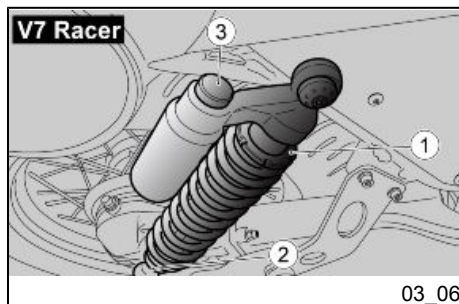


- Operate on the set ring nut (1) to adjust the spring (2) preloading.
- Screw to increase preloading; and vice versa, screw to reduce it.

**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.**

**(V7 Racer)**



To permit adjustment, the shock absorbers feature an adjuster ring (1) for setting spring preload, a ring (2) for setting rebound damping and a knob for setting compression damping (3).

#### CAUTION

**CARRY OUT MAINTENANCE OPERATIONS AT HALF THE INTERVALS RECOMMENDED IF THE VEHICLE IS USED IN WET OR DUSTY AREAS, OFF ROAD OR FOR SPORTING APPLICATIONS.**

**CHECK THE REAR SHOCK ABSORBER AND ADJUST, IF NECESSARY.**

**REAR SHOCK ABSORBER STANDARD SETTING IS ADJUSTED TO MEET TOURIST RIDING.**

**HOWEVER, THIS SET CAN BE ADJUSTED TO SPECIFIC NEEDS ACCORDING TO VEHICLE USE.**

#### CAUTION

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

- Turn the adjuster ring (1) to adjust spring preload (A).
- 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.

**ADJUSTMENTS**

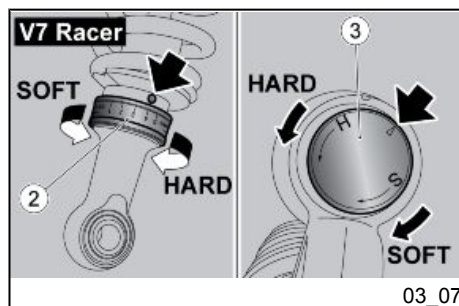
Soft setting

Medium setting

Hard setting

**CAUTION**

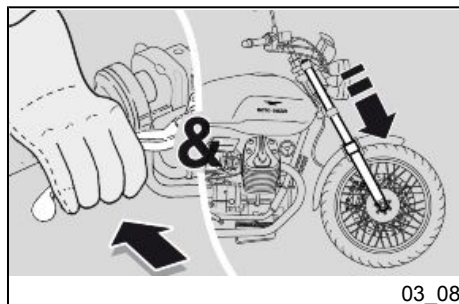
SET SPRING PRELOADING AND SHOCK ABSORBER REBOUND DAMPING ACCORDING TO THE VEHICLE USE CONDITIONS. HYDRAULIC REBOUND DAMPING MUST ALWAYS BE INCREASED TOGETHER WITH SPRING PRELOAD TO PREVENT UNDESIRABLE BOUNCING. IF NECESSARY, CONTACT AN Official Moto Guzzi Dealer. TRY RIDING THE VEHICLE ON THE STREET UNTIL THE OPTIMUM ADJUSTMENT IS OBTAINED.



Turn the ring (2) to "HARD" if the vehicle is fully loaded. In all other cases, turn the ring to "SOFT".

## **REAR SHOCK ABSORBER ADJUSTMENT**

Compression damping setting - soft	1 - 4 clicks, starting with the knob (3) in the fully closed position
Compression damping setting - medium	5 - 8 clicks, starting with the knob (3) in the fully closed position
Compression damping setting - hard	9 - 12 clicks, starting with the knob (3) in the fully closed position



### **Front fork adjustment (03\_08)**

Carry out the following checks regularly:

Operating the front brake lever, press the handlebar repeatedly to send the fork fully down. The stroke should be soft and there should be no oil marks on the stems.

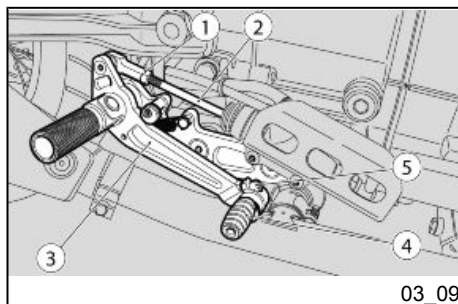
Check the tightening of all the elements and the correct operation of the front and rear suspension joints.

#### **CAUTION**

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

### **Rear brake pedal adjustment (03\_09)**

(V7 Racer)



The brake pedal is set to the correct ergonomic position during assembly of the vehicle.

If necessary, the brake lever clearance can be adjusted:

- Loosen the lock nut (1).
- Unscrew the pump actuator rod (2) to allow a minimum clearance of 0.5 - 1 mm (0.020 - 0.039 in) between the rod and the pump piston.

#### CAUTION

**MAKE SURE THE LEVER (3) HAS SOME FREE PLAY SO THAT THE BRAKE DOES NOT REMAIN OPERATED AND CAUSES EARLY WEAR OF THE BRAKING ELEMENTS.**

**LEVER (3) EMPTY TRAVEL: 4 mm (0.16 in) (MEASURED AT THE END OF THE LEVER).**

- Fasten the pump actuator rod (2) with the lock nut (1).

#### CAUTION

**AFTER ADJUSTMENT, MAKE SURE THE WHEEL TURNS FREELY WHEN THE BRAKE IS RELEASED.**

**CHECK BRAKING EFFICIENCY.**

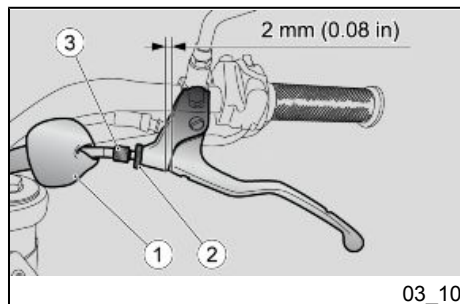
**IF NECESSARY, CONTACT AN official Moto Guzzi dealer.**

The pedal position (4) is also adjustable.

- Rest the vehicle on its stand.
- Partially undo the screw (5).
- Turn the cam (4) into the desired position.
- Tighten the screw (5) and check the cam is stable in position.



**TO ADJUST THE RIDER FOOTPEG HEIGHT, CONTACT AN official Moto Guzzi dealer.**



## Clutch lever adjustment (03\_10)

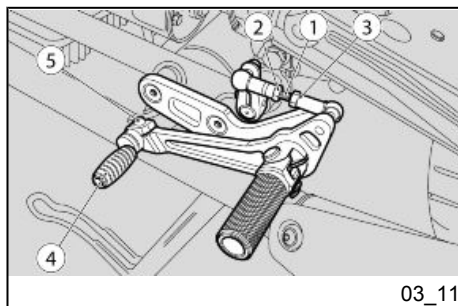
Adjustment clutch when the engine stops or the vehicle tends to move forward even when clutch lever is operated and the gear engaged, or if the clutch "slides", resulting in acceleration delay considering the engine revs.

Minor adjustments can be realized by acting on the clutch lever adjuster operating as follows:

- Remove the protection casing (1)
- Loosen the nut (2)
- Turn the set screw (3) until the empty travel at the clutch lever end is of 2 mm (0.08 in)
- Tighten the nut (2), locking the adjuster (3).
- Check the empty travel at the clutch lever end.
- Refit the protection casing (1).
- If the adjuster (3) is completely bolted, completely unscrewed or is not possible to obtain the correct empty travel:
- Remove the protection casing (1). Completely screw the nut (2) to the adjuster (3).
- Completely loosen the adjuster (3).

## Gear pedal adjustment (03\_11)

(V7 Racer)



The gear shift lever can be adjusted by operating the transmission rod (1) as follows:

- Loosen the nuts (2, 3).
- Turn the link rod and adjust the gear shift lever height.
- Tighten the nuts (2, 3).

**The gear shift lever pin is kept greased thanks to the specific slot and the two sealing rings.**

Should the gear shift be removed, lubricate it and be careful not to damage the sealing rings.

The pedal position (4) is also adjustable.

- Rest the vehicle on its stand.
- Partially undo the screw (5).
- Turn the cam (4) into the desired position.
- Tighten the screw (5) and check the cam is stable in position.



**TO ADJUST THE RIDER FOOTPEG HEIGHT, CONTACT AN official Moto Guzzi dealer.**

## 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.**

### Difficult start up

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 VEHICLE 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**

**IF THE VEHICLE FALLS OR IS ON A STEEP INCLINE FUEL CAN LEAK.**

**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.

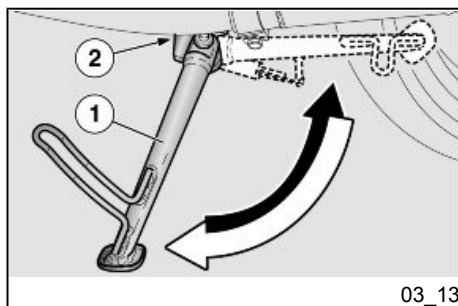
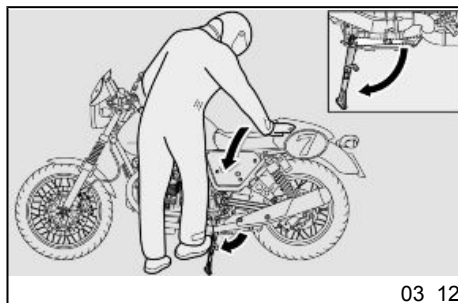


**NOTE**

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

**Stand (03\_12, 03\_13)**

**THE SIDE STAND AND THE CENTRE STAND (IF INSTALLED) MUST MOVE SMOOTHLY; GREASE THE JOINT, IF NECESSARY.**

**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 (2) is installed on the side stand (1) to inhibit ignition or to stop the engine when a gear is engaged and the side stand (1) 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\_14, 03\_15, 03\_16, 03\_17)

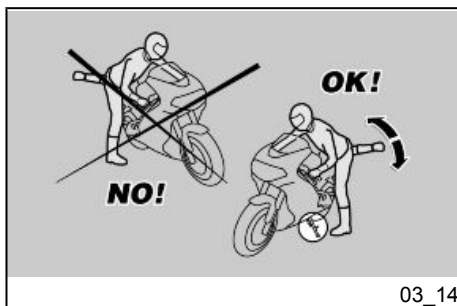
### CAUTION

**IN THIS CONFIGURATION, THE VEHICLE IS STRICTLY A SINGLE-SEATER. DO NOT SIT ON THE TAIL FAIRING. TO TRANSFORM THE VEHICLE INTO TWO-SEAT CONFIGURATION, PERFORM THE PROCEDURES INDICATED IN THE TECHNICAL SPECIFICATIONS.**

The following recommendations should receive your maximum attention, because they are provided to increase your safety, and decrease damage to people, things and vehicles, in the case of a fall of the rider or passenger from the vehicle and/or from the fall or overturning of the vehicle.

Mounting and dismounting the vehicle should always be performed with total freedom of movement and with the hands free of all objects. (i.e.- objects, helmet, gloves, or glasses).

Mount and dismount only on the left side of the vehicle, and only with the side stand lowered.



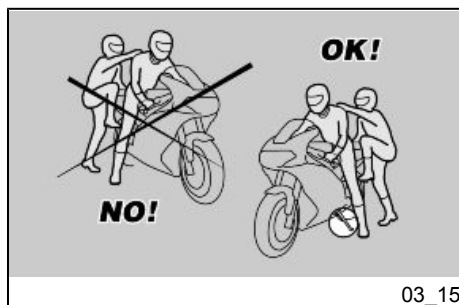
The stand is designed to support the weight of the vehicle and a small additional weight, which does not include the rider and passenger.

Mounting into driving position, with the side stand in place, is permitted only to prevent the possibility of the vehicle falling or overturn, and does not indicate the possibility for the rider and passenger's weight to be placed on the side stand.

During mounting and dismounting the vehicle's weight can cause a loss of balance, with consequent loss of equilibrium and the possibility of falling or overturning.

#### **CAUTION**

**THE RIDER SHOULD ALWAYS BE THE FIRST TO MOUNT AND THE LAST TO DISMOUNT FROM THE VEHICLE, AND SHOULD CONTROL THE STABILITY AND EQUILIBRIUM OF THE VEHICLE WHILE THE PASSENGER IS MOUNTING AND DISMOUNTING**



In any case, the passenger should mount and dismount the vehicle using caution to avoid causing the vehicle or the rider to lose balance.

#### CAUTION

**THE RIDER TO INSTRUCT THE PASSENGER ABOUT THE PROPER WAY TO MOUNT AND DISMOUNT FROM THE VEHICLE.**

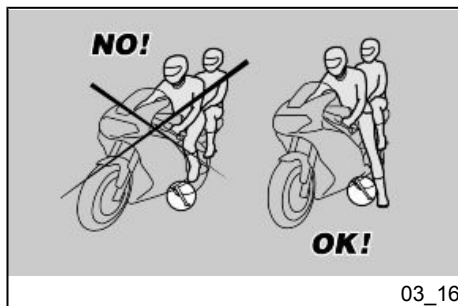
**THE VEHICLE INCLUDES PASSENGER FOOTRESTS WHICH SHOULD BE USED DURING MOUNTING AND DISMOUNTING. THE PASSENGER SHOULD ALWAYS USE THE LEFT FOOTREST FOR MOUNTING AND DISMOUNTING FROM THE VEHICLE.**

**DO NOT DISMOUNT OR EVEN ATTEMPT TO DISMOUNT BY JUMPING OR STRETCHING OUT YOUR LEG IN ORDER TO TOUCH THE GROUND. IN BOTH CASES THE STABILITY AND EQUILIBRIUM OF THE VEHICLE COULD BE COMPROMISED.**

#### CAUTION

**BAGGAGE OR OBJECTS ATTACHED TO THE REAR PART OF THE VEHICLE CAN CREATE AN OBSTACLE DURING MOUNTING AND DISMOUNTING FROM THE VEHICLE.**

**IN ALL CASES, THINK AHEAD AND MOVE YOUR RIGHT LEG CAREFULLY, AS IT WILL HAVE TO AVOID AND CLEAR THE REAR PART OF THE VEHICLE (INCLUDING BAGGAGE AND THE TAIL FAIRING) WITHOUT CAUSING LOSS OF BALANCE.**



### MOUNTING

- Grip the handlebar properly and mount the vehicle without placing your weight upon the side stand.

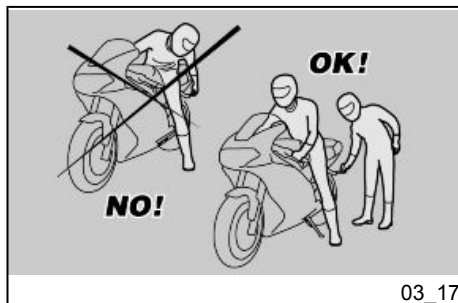
### CAUTION

**IN THE CASE THAT YOU ARE NOT ABLE TO REST BOTH FEET ON THE GROUND, PUT THE RIGHT FOOT ON THE GROUND, (IN THE CASE OF A LOSS OF BALANCE THE LEFT SIDE IS "PROTECTED" BY THE SIDE STAND) AND KEEP YOUR LEFT FOOT READY TO BE POSITIONED.**

- Place both feet on the ground and straighten the vehicle into the driving position, always maintaining its equilibrium.

### CAUTION

**THE RIDER SHOULD NOT OPEN OR TRY TO OPEN THE PASSENGER FOOTRESTS FROM THE RIDER'S SEAT, AS IT COULD COMPROMISE THE STABILITY AND EQUILIBRIUM OF THE VEHICLE.**



- Have the passenger open the two passenger foot pegs.
- Show the passenger how to mount the vehicle.
- Use your left foot to push on the side stand and make it fully return to its position.

### DISMOUNTING

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



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

- Use the heel of your left foot to completely open the side stand.

**CAUTION**

**IN THE CASE THAT YOU ARE NOT ABLE TO REST BOTH FEET ON THE GROUND, PUT THE RIGHT FOOT ON THE GROUND, (IN THE CASE OF A LOSS OF BALANCE THE LEFT SIDE IS "PROTECTED" BY THE SIDE STAND) AND KEEP YOUR LEFT FOOT READY TO BE POSITIONED.**

- Place both feet on the ground and keep the vehicle balanced in the driving position.
- Show the passenger how to dismount from the vehicle.



**RISK OF FALLING OR OVERTURNING.**

**MAKE SURE THAT THE PASSENGER HAS DISMOUNTED FROM THE VEHICLE.  
DO NOT PLACE YOUR WEIGHT UPON THE SIDE STAND.**

- Lean the motorcycle until the stand touches the ground.
- Correctly grip the handlebar, and dismount from the vehicle.
- Turn the handlebar completely to the left.
- Place the passenger footrest in its place.

**CAUTION**

**MAKE SURE THE VEHICLE IS STABLE.**

# V7 II Racer - V7 II Special - V7 II Stone



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

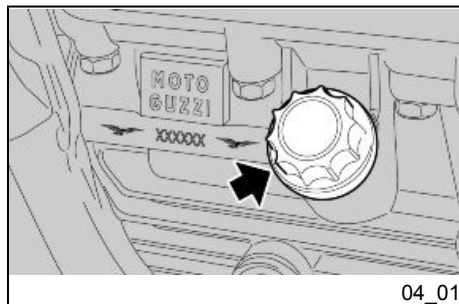
## Foreword

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.**

**ANY TIME THE IGNITION SWITCH IS SET TO "ON", THE "ALARMS" WARNING LIGHT ON THE INSTRUMENT PANEL TURNS ON FOR THREE SECONDS.**



04\_01

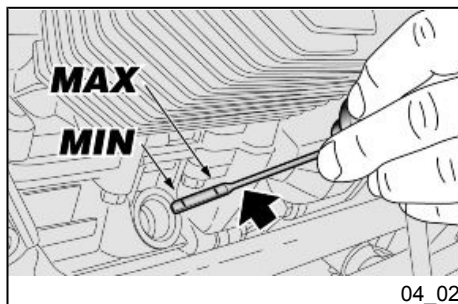
### Engine oil level check (04\_01, 04\_02)

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.**

**IF YOU CHECK LEVEL WHEN THE ENGINE IS COLD, OIL LEVEL COULD TEMPORARILY DROP BELOW THE 'MIN' MARK.**

**THIS SHOULD NOT BE CONSIDERED A PROBLEM PROVIDED THAT THE ALARM WARNING LIGHT AND THE ENGINE OIL PRESSURE ICON DISPLAY DO NOT TURN ON SIMULTANEOUSLY.**

#### 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.**

**OIL IS BEST CHECKED AFTER A TRIP OR AFTER TRAVELLING APPROXIMATELY 15 km (9.32 mi), OUT OF TOWN (ENOUGH TO WARM UP ENGINE OIL TO OPERATING TEMPERATURE).**

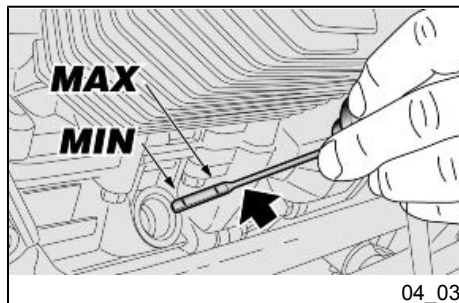
- Shut off the engine.
- Keep the vehicle upright with both wheels on the ground.
- Unscrew the filler plug / oil dipstick.
- Check oil level by means of the oil dipstick.

**'MAX'** = maximum level.

**'MIN'** = minimum level.

The difference between **'MAX'** and **'MIN'** marks is approx. 400 cm<sup>3</sup> (24.41 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 (04\_04, 04\_05, 04\_06)



**CHANGING ENGINE OIL AND ENGINE OIL FILTER CAN PROVE DIFFICULT IF YOU ARE INEXPERIENCED.**

**TAKE YOUR VEHICLE TO AN Official Moto Guzzi Dealer IF NECESSARY.**

**IF YOU WISH TO PERFORM THESE OPERATIONS YOURSELF, FOLLOW THESE INSTRUCTIONS.**

### 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.**

Check the engine oil level frequently.

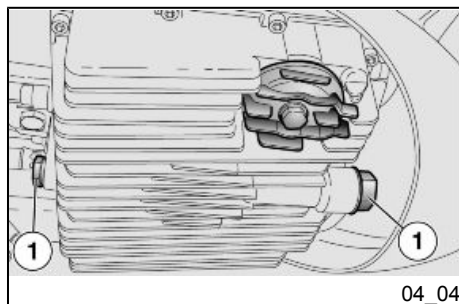
**For replacement:**

### CAUTION

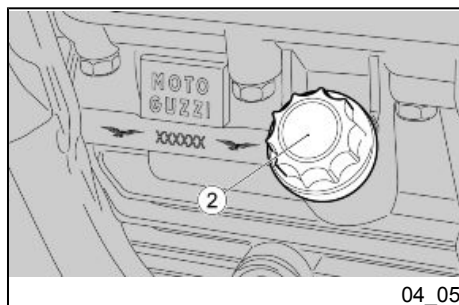
**HOT OIL IS MORE FLUID AND WILL DRAIN OUT MORE EASILY AND COMPLETELY; IDEAL TEMPERATURE IS REACHED AFTER THE ENGINE HAS RUN FOR ABOUT TWENTY MINUTES.**



**OIL BECOMES VERY HOT WHEN THE ENGINE IS HOT; BE CAREFUL NOT TO GET BURNED WHEN CARRYING OUT THE OPERATIONS DESCRIBED BELOW.**



04\_04



04\_05

- Place a container with 2000 cm<sup>3</sup> (122.05 cu.in) capacity under the drainage plugs (1).
- Unscrew and remove the drainage plugs (1).
- Unscrew and remove the filler plug (2).
- Drain the oil into the container; allow several minutes for oil to drain out completely.
- Check and, if necessary, replace the sealing washers of drainage plugs (1).
- Remove any metal scrap attached to the magnet of drainage plugs (1).
- Screw and tighten the drainage plugs (1).

**Tightening torque for drainage plugs (1): 12 Nm (8.85 lb ft).**



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

**DISPOSE OF ENGINE OIL STORED IN A SEALED CONTAINER AND TAKE IT TO YOUR SUPPLIER OR TO THE NEAREST USED OIL RECLAMATION FIRM.**

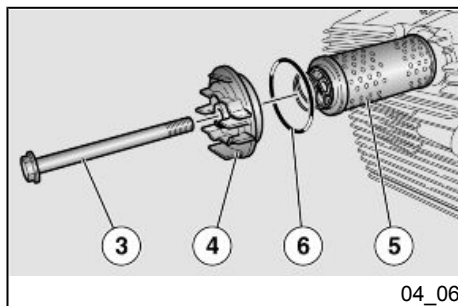
#### Engine oil filter replacement

##### 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.**

##### CAUTION

**REPLACE THE ENGINE OIL FILTER EVERY 10000 KM (6213 MILES) (OR EACH TIME YOU CHANGE THE ENGINE OIL).**



- Undo the two screws (3) and remove the cover (4).
- Remove the engine oil filter (5).

#### NOTE

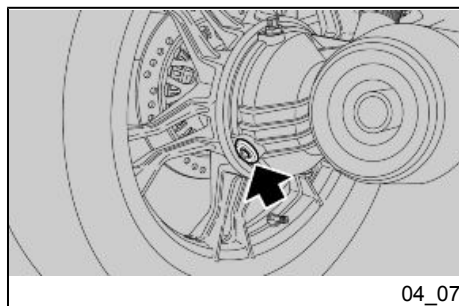
**NEVER REUSE AN OLD FILTER.**

- Spread a thin layer of oil on the sealing ring (6) of the new engine oil filter.
- Fit the new engine oil filter with the spring facing downwards.
- Refit the cover (4), screw and tighten the screw (3).

### Universal joint oil level (04\_07)

#### 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.**



04\_07

Check the cardan shaft oil level regularly; change the oil at the specified intervals according to the scheduled maintenance table

#### To check:

- Keep the vehicle upright with both wheels on the ground.
- Unscrew and remove the level plug.
- Check that the oil touches lightly the hole of the level plug. Top-up if oil is below the specified level.

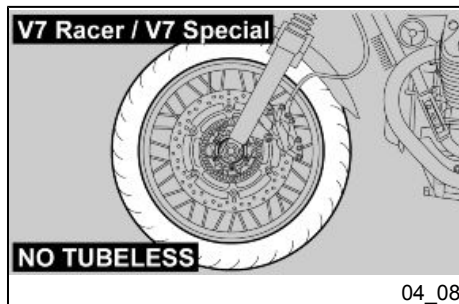
#### CAUTION

**TO TOP-UP OR CHANGE THE OIL IN THE CARDAN SHAFT TRANSMISSION UNIT, CONTACT AN Official Moto Guzzi Dealer.**

### Gearbox oil level

#### CAUTION

**THE GEARBOX OIL MUST BE CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.**



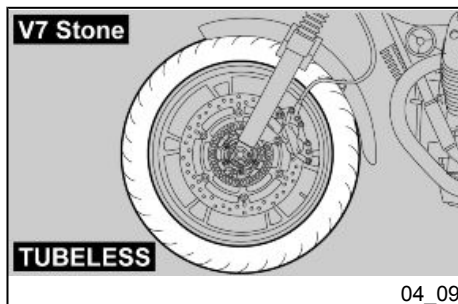
04\_08

### Tyres (04\_08, 04\_09, 04\_10, 04\_11)

The vehicle is fitted with tyres with inner tubes.

#### 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.

CHECK THE SURFACE CONDITION AND WEAR BECAUSE POOR TYRE CONDITION COULD COMPROMISE GRIP AND HANDLING OF THE VEHICLE.

SOME TYRE TYPES APPROVED FOR THIS VEHICLE FEATURE WEAR INDICATORS.

THERE ARE SEVERAL TYPES OF WEAR INDICATORS. CONSULT YOUR DEALER ON METHODS TO CHECK FOR WEAR.

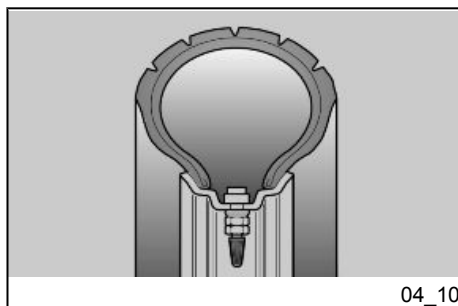
CARRY OUT A VISUAL INSPECTION FOR TYRE WEAR AND TEAR, REPLACE TYRES WHEN WORN.

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.

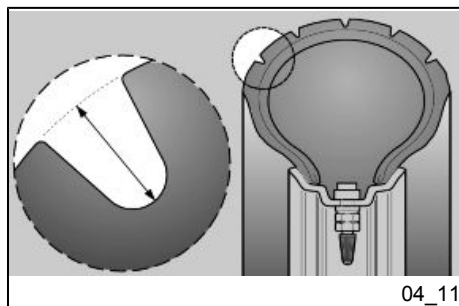
REPLACEMENT, REPAIR, MAINTENANCE AND BALANCING OPERATIONS ARE HIGHLY IMPORTANT AND SO THEY SHOULD BE CARRIED OUT USING THE SPECIFIC TOOLS AND WITH THE ADEQUATE KNOWLEDGE. HAVE YOUR TYRES AND WHEELS SERVICED AT AN OFFICIAL DEALER OR A SPECIALISED TYRE WORKSHOP.



**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 ROAD HOLDING, EVEN IF TYRES ARE STILL WITHIN THE WEAR LIMIT.**

**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**

**FOR REMOVAL, CHECK, AND REPLACEMENT OF THE SPARK PLUGS CONTACT AN OFFICIAL Moto Guzzi Dealer.**

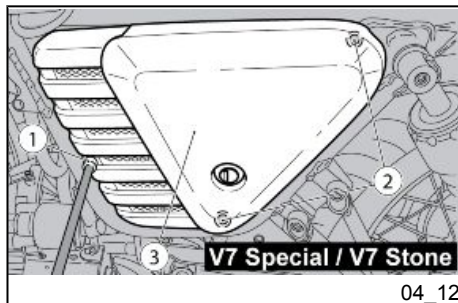
#### **CAUTION**

**CHECK THE FITTING OF THE SPARK PLUG TUBE AS IT REQUIRES A PARTICULAR INSERTION PERCEPTION.**



## Removing the sides (04\_12, 04\_13)

(V7 Special / V7 Stone)



- Remove the rider saddle.
- Loosen and remove screw (1).

- Carefully release the pins (2) from the relevant retaining rubber rings.

The right fairing (3) can be fully removed.

The left fairing (3) can be removed, though keeping it connected to the chassis, via the saddle unlocking cable.

### CAUTION

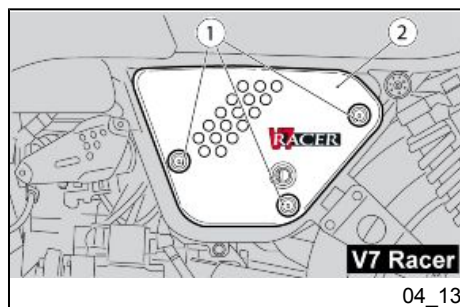
**PROCEED WITH CAUTION.**

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

**HANDLE THE PLASTIC AND PAINTED PARTS CAREFULLY SO AS NOT TO SCRATCH OR DAMAGE THEM**

### CAUTION

**UPON REFITTING, PAY ATTENTION TO POSITIONING THE REFERENCE PINS (2) CORRECTLY.**



### (V7 Racer)

- Remove the rider saddle.
- Undo and remove the three screws (1).

#### NOTE

**HANDLE PAINTED AND PLASTIC COMPONENTS WITH CARE; BE CAREFUL NOT TO SCRATCH OR DAMAGE THEM.**

The right fairing (2) can be fully removed.

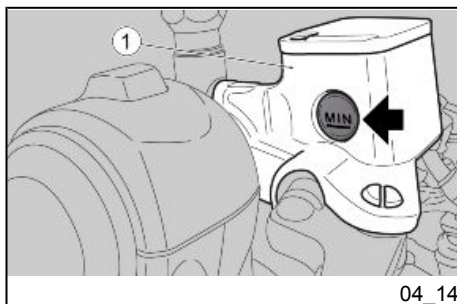
The left fairing (2) can be removed, though keeping it connected to the chassis, via the saddle unlocking cable.

- Repeat the operations to remove the other fairing.

### Removing the air filter

#### CAUTION

**TO REMOVE, CHECK AND REPLACE THE AIR FILTER, CONTACT AN Official Moto Guzzi Dealer.**



## Checking the brake oil level (04\_14, 04\_15)

### FRONT BRAKE

#### CHECK

- Rest the vehicle on its stand
- Turn the handlebar fully to the right.
- Make sure the fluid level in the reservoir (1) is above the '**MIN**' level reference mark.

MIN = minimum level

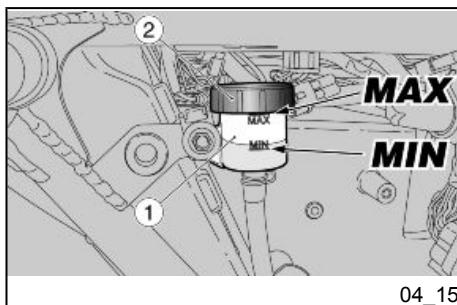
If the fluid does not reach at least the '**MIN**' reference mark:

#### CAUTION

**BRAKE LEVEL DECREASES GRADUALLY AS BRAKE PADS WEAR DOWN.**

- Check brake pads and discs for wear.

If the pads and/or the disc do not need replacing, top up the fluid.



### REAR BRAKE

#### CHECK

- Remove the right side fairing.
- Place the vehicle upright so that the fluid in the reservoir (1) is parallel to the cap (2).
- Make sure that the fluid level in the reservoir is above the '**MIN**' mark.

MIN = minimum level

MAX = maximum level

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

#### CAUTION

**BRAKE LEVEL DECREASES GRADUALLY AS BRAKE PADS WEAR DOWN.**

- Check brake pads and discs for wear.

If the pads and/or the disc do not need replacing, top up the fluid.

## Braking system fluid top up

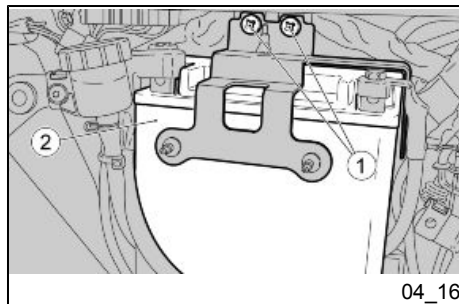
### CAUTION

**FOR THE TOP-UP OF THE BRAKING SYSTEMS COOLANT, CONTACT AN Official Moto Guzzi Dealer.**

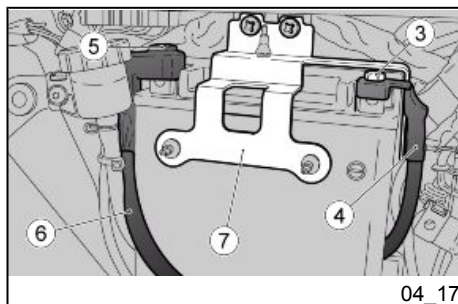
## Use of a new battery (04\_16, 04\_17)



**REMOVING THE BATTERY RESETS THE DIGITAL CLOCK FUNCTION.**



- Make sure the ignition switch is set to 'KEY OFF'.
- Remove the rider saddle.
- Remove the right hand side fairing.
- Undo the two fastener screws (1) in order to be able to pull out the battery (2) sufficiently to undo the screws on the terminal clamps.



04\_17

- 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.
- Remove the battery retainer bracket (7)
- Grip the battery (2) firmly and remove from its seat.

**CAUTION**

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

- Put the battery away on a level surface, in a cool and dry place.
- Place the fixing bracket (2) and refit the screws (1).
- Refit the left side fairing.
- Refit the rider saddle.

**CAUTION**

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

**CAUTION**

**TO INSTALL A NEW BATTERY FOLLOW THE OPERATIONS DESCRIBED ABOVE BUT IN REVERSE ORDER.**



**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 RECHARGE.**

## 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

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

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

In winter or when the vehicle remains stopped, check the charge frequently (about once a month) to avoid deterioration.

- Recharge it fully with an ordinary charge.

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

## CHECKING AND CLEANING TERMINALS AND LEADS

- Partially remove the battery from its housing.
- Check that the cable terminals and battery leads are:
  - in good conditions (not corroded or covered by deposits);
  - covered by neutral grease or petroleum jelly.

## Fuses (04\_18, 04\_19, 04\_20, 04\_21)

### CAUTION

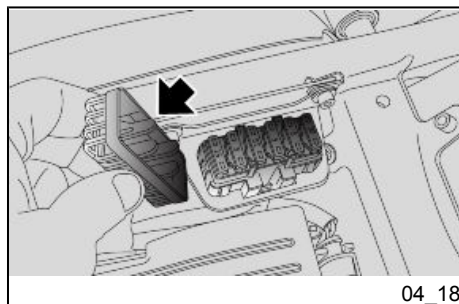


**DO NOT REPAIR FAULTY FUSES.**

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

**NOTE**

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

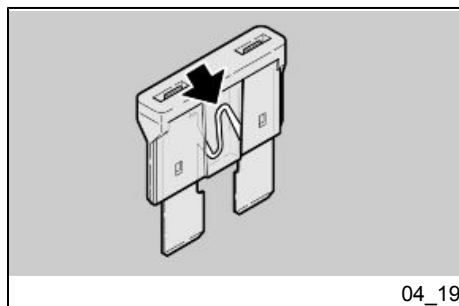


To check:

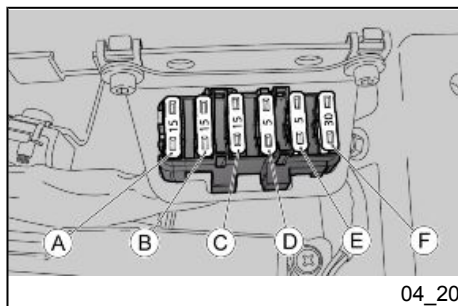
- Set the ignition switch to 'OFF' to avoid an accidental short circuit.
- Remove the saddle.
- Remove the cover of the fuse box.
- Take out one fuse at a time and check if the filament is broken.
- Before replacing the fuse, find and solve, whenever possible, the problem that caused it to blow.
- If the fuse is damaged, replace it with one of the same current rating.

**NOTE**

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

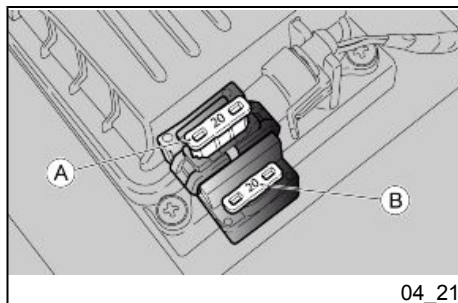






### FUSE LOCATION

- A) Stop lights, tail lights, horn (15 A).
- B) GPS predisposition, low beam / high beam, passing, USB, bluedash (15 A).
- C) ECU, engine kill, start relay, instrument panel, injection loads relay (15 A).
- D) (Battery positive) Instrument panel, turn indicators, bluedash (5 A).
- E) (Battery positive) MIU G3 ECU (5 A).
- F) Main fuse, coil 1 and 2, injectors 1 and 2, lambda 1 and 2 (30 A).



### ABS FUSE DISTRIBUTION

- A) ABS Control unit (20 A).
- B) Reserve fuse (20 A).

### Lamps (04\_22, 04\_23, 04\_24)

#### CAUTION

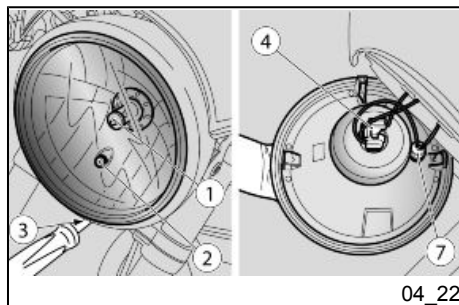


**BEFORE REPLACING A BULB, TURN THE IGNITION SWITCH TO «KEY OFF» AND WAIT A FEW MINUTES FOR THE BULB TO COOL OFF.**

**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:

- one high-beam / low-beam bulb (1) (upper);
- one tail light bulb (2) (lower);

### **Front headlamp bulb replacement**

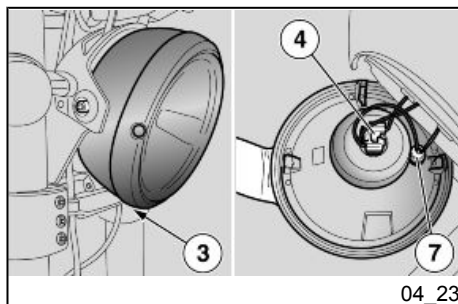
- Rest the vehicle on its stand.
- Remove the complete parabole from the headlight body by undoing the screw (3).

### **LOW-BEAM / HIGH-BEAM LIGHT BULB**

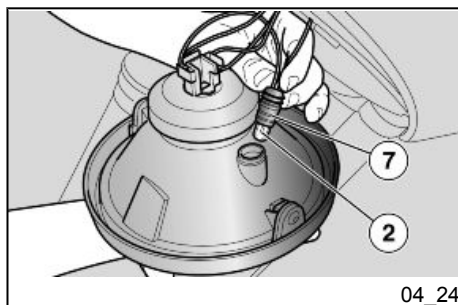
- Pull out the electrical connection to the bulb (4), and disconnect it from the bulb.
- Move hood (5) manually.
- Release the two ends of the retaining spring (6) located on the bulb holder.
- Pull the bulb (1) out of its seat.

### **NOTE**

**INSERT THE BULB INTO THE BULB HOLDER, MAKING SURE THE REFERENCE FITTINGS MATCH.**



- Install a bulb of the same type adequately.



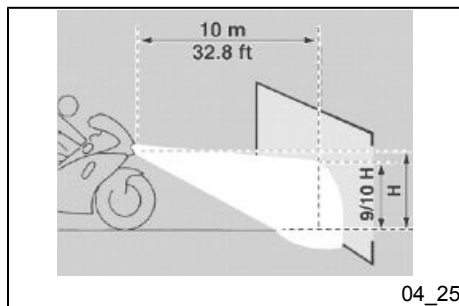
#### TAIL LIGHT BULB

- Pull out the tail light bulb holder (7) from its seat.
- Remove the bulb (2) and replace it with another of the same type.
- Check the proper insertion of the bulb in the bulb holder.

#### Headlight adjustment (04\_25, 04\_26)

##### NOTE

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



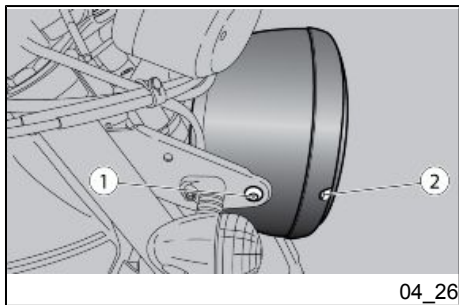
04\_25

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 9/10 of the total height).

**In order to carry out vertical adjustment of the light beam:**

- Stand the scooter in a vertical position.
- Slightly loosen the headlight fixing screws (1), and move the light beam manually to the desired position.
- Once the adjustment is finished tighten the screws (1).



04\_26

After adjusting:

#### NOTE

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

**In order to carry out horizontal adjustment of the light beam:**

- Stand the scooter in a vertical position.
- Actuating on the screw (2) adjust the direction of the light beam.

After adjusting:

#### NOTE

CHECK THAT THE LIGHT BEAM HORIZONTAL DIRECTION IS CORRECT.

#### Front direction indicators (04\_27)

- 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.

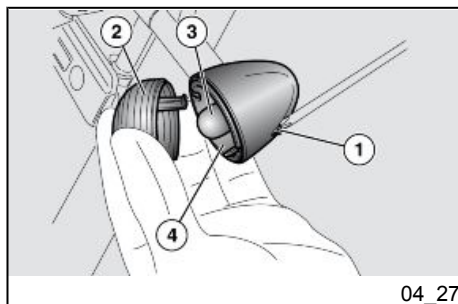
- Remove the protective glass (2).

#### 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.



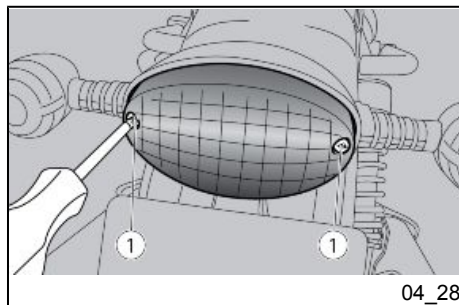
**NOTE**

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

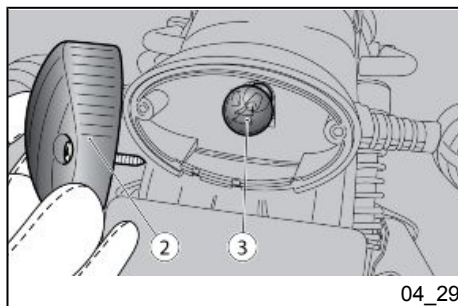
- Install a bulb of the same type adequately.

**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.**

**Rear optical unit (04\_28, 04\_29)**

- Rest the vehicle on its stand.
- Undo and remove the two screws (1).
- Remove the protective glass (2) with caution.
- Press the bulb (3) slightly and turn it anticlockwise.
- Pull the bulb (3) out of its fitting.
- Insert a bulb of equal rating in the bulb holder making the two guiding pins coincide with their guides on the bulb holder.
- Tighten the two screws (1) carefully and moderately so as to avoid damaging the protective glass (2).

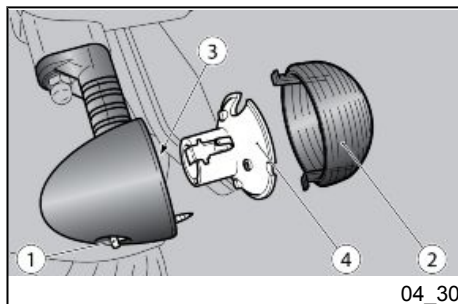


### Rear turn indicators (04\_30)

- 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.

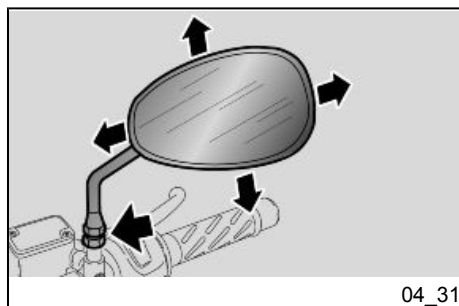
**NOTE**

**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.**

**Rear-view mirrors (04\_31, 04\_32)**

**DO NOT RIDE WITH REAR-VIEW MIRRORS INCORRECTLY SET.**

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

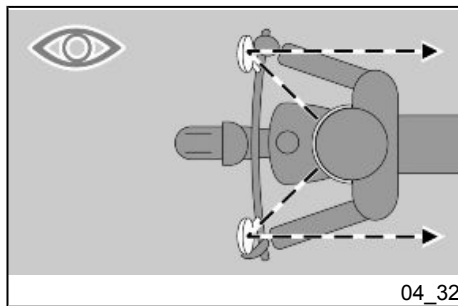
**Rear-view mirrors removal:**

- 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.**



- 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.

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

**CAUTION**



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

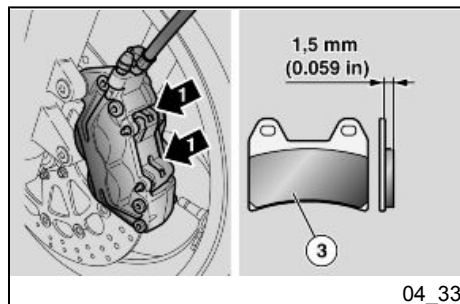
**REPLACE DIRTY PADS AND CLEAN AGAIN THE DIRTY DISC USING A TOP QUALITY DEGREASING PRODUCT.**

**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.**

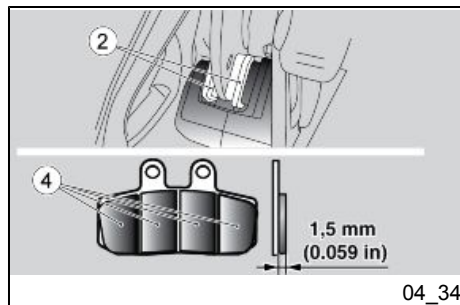


**To perform a quick pad wear check:**

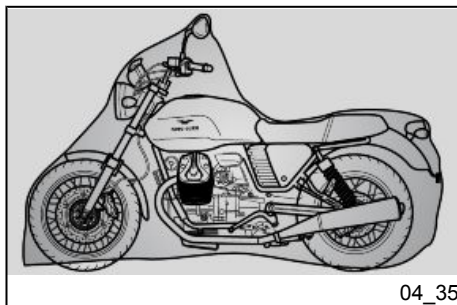
- Rest the vehicle on its stand.
- Carry out a visual inspection of brake disc and pads as follows:
  - look from above at the rear to check the front brake calliper (1);
  - from the bottom rear side to check the rear brake calliper (2);

**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.



04\_35

## 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

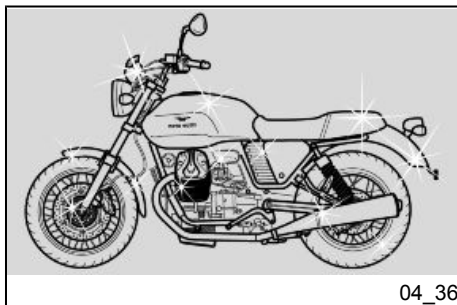
**TAKE THE PLASTIC BAGS OFF THE EXHAUST PIPE OPENING.**

- 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.**



04\_36

**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**

**THE SADDLE OF THE V7 RACER IS UPHOLSTERED WITH PREMIUM MATERIAL AND MUST BE PROTECTED WITH THE SPECIFIC SADDLE COVER WHEN WASHING THE MOTORCYCLE.**

**CAUTION**

**THE SURFACE OF THE TANK IS CHROME, IN ORDER TO NOT DAMAGE IT DURING CLEANING USE A NON-ABRASIVE CLOTH AND NEUTRAL SOAP.**

**CAUTION**

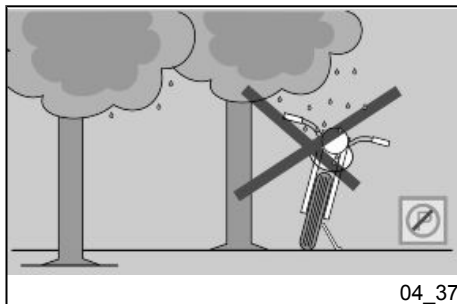
**CLEAN THE INSTRUMENT PANEL WITH A SOFT CLOTH MOISTENED WITH WATER.**

**CAUTION**

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

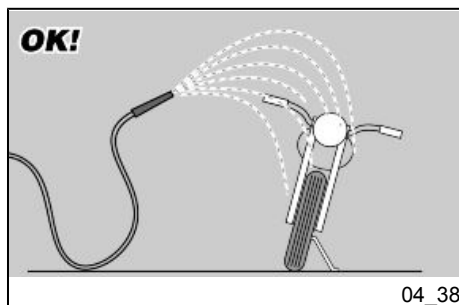
**CAUTION**

**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.**



04\_37

To clean off dirt and mud deposited from painted surfaces, soften caked dirt with a low-pressure water jet. Sponge off using a car body sponge soaked in a car body shampoo and water solution (2 - 4% parts of shampoo). Then rinse with plenty of water, and dry with a soft cloth. To clean the engine outer parts, use degreasing detergent, brushes and old cloths. Anodised or painted aluminium parts such as forks, wheel rims, frame, footrests etc. should be washed using water and mild soap. 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

IN THE EVENT OF EXCESSIVE HAZING, WIRE WHEELS MAY BE RESTORED TO THEIR ORIGINAL REFLECTIVE FINISH WITH A SUITABLE POLISH.

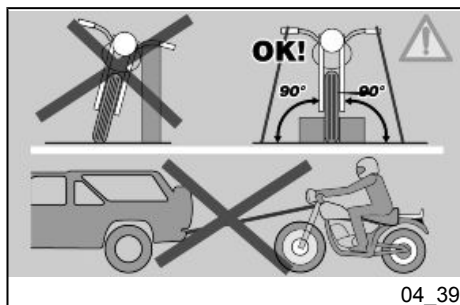
#### CAUTION



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 TO THE FOLLOWING PARTS: WHEEL HUBS, CONTROLS ON THE RIGHT AND LEFT SIDE OF THE HANDLEBAR, BEARINGS, BRAKE PUMPS, INSTRUMENTS AND GAUGES, EXHAUST SILENCER, IGNITION SWITCH/STEERING LOCK. DO NOT USE ALCOHOL OR SOLVENTS TO CLEAN RUBBER OR PLASTIC PARTS: USE WATER AND MILD SOAP.

#### NOTE

WE WOULD LIKE TO THANK YOU FOR CHOOSING A Moto Guzzi PRODUCT. THE V7 RACER HAS BEEN BUILT IN A LIMITED, NUMBERED SERIES AND HAS BEEN PERSONALISED WITH A NUMBER OF PREMIUM COMPONENTS CREATED SPECIFICALLY FOR THIS VERSION. DUE TO THE EXCLUSIVE NATURE OF THIS VEHICLE, PARTICULAR CARE IS NECESSARY WHEN USING IT AND IN THE CLEANING AND MAINTENANCE OF ITS COSMETIC ELEMENTS.



## Transport (04\_39)

### NOTE



**BEFORE TRANSPORTING THE VEHICLE, IT IS NECESSARY TO EMPTY THE FUEL TANK AND THE CARBURETTOR ADEQUATELY, CHECKING THAT THEY ARE DRY.**

**DURING TRANSPORT, THE VEHICLE SHOULD BE UPRIGHT AND SECURELY ANCHORED AND SHOULD HAVE THE FIRST GEAR ENGAGED SO AS TO AVOID POSSIBLE FUEL, OIL OR COOLANT LEAKS.**

**IN CASE OF FAILURE, DO NOT TOW THE VEHICLE BUT CONTACT A ROAD ASSISTANCE SERVICE INSTEAD TO HAVE THE INFLAMMABLE FLUIDS DRAINED .**





# V7 II Racer - V7 II Special - V7 II Stone



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

## **WEIGHT AND DIMENSIONS**

Max. length.	2185 mm (86.02 in)
Max. width - V7 Special / V7 Stone	800 mm (31.50 in)
Max. width - V7 Racer	740 mm (29.13 in)
Max. height.	1115 mm (43.90 in)
Saddle height	790 mm (31.10 in)
Wheelbase	1449 mm (57.04 in)
Minimum ground clearance	179 mm (7.05 in)
Kerb weight	198 kg (436 lb)

## **ENGINE**

Type	traverse-mounted four-stroke V 90°	twin-cylinder
No. of cylinders	2	
Engine capacity	744 cm <sup>3</sup> (45.40 cu.in)	
Bore / stroke	80x74 mm (3.15x2.91 in)	

Compression ratio	10.4 : 1
Electric	Electric starter
Engine idle speed	1,250 +/- 100 rpm
Clutch	dry single-disc clutch with flexible coupling
Lubrication	Pressure-fed, controlled by valves and trochoidal pump
Air filter	cartridge-type dry filter
Cooling	air

### **GEARBOX**

Type	mechanical, 6 speeds with foot lever on the left hand side of the engine
------	--

### **CAPACITY**

Fuel tank (reserve included)	21 l (4.62 UKgal; 5.55 US gal)
Fuel tank reserve	4 l (0.88 UKgal; 1.06 US gal)

Engine oil	Oil change and oil filter replacement: 2000 cm <sup>3</sup> (122.05 cu.in)
Gearbox oil	500 cm <sup>3</sup> (30.51 cu.in)
Transmission oil	170 cm <sup>3</sup> (10.37 cu.in)
Seats - V7 Special / V7 Stone	2
Seats - V7 Racer	1 + 1*
Maximum carrying load	203 kg (447 lb) (rider + passenger + luggage)
*	<p>2 seats, if vehicle is fitted with long two-seater saddle, passenger footpegs, passenger grab handles (necessitating rear shock absorbers to be installed upside-down) and exhaust mounts.</p> <p>In this case, the user is responsible for finding out the correct procedures for revising the vehicle's road registration documentation from the relevant local authorities.</p>

### **TRANSMISSION**

Primary drive	with gears, ratio: 18 / 23 = 1 : 1.277
---------------	--

Gear ratios, 1st gear	14 / 37 = 1 : 2.642
Gear ratios, 2nd gear	18 / 32 = 1 : 1.777
Gear ratios, 3rd gear	21 / 28 = 1 : 1.333
Gear ratios, 4th gear	24 / 26 = 1 : 1.083
Gear ratios, 5th gear	25 / 24 = 1 : 0.96
Gear ratios, 6th gear	27 / 24 = 1 : 0.888
Final drive	with cardan shaft, ratio: 8 / 33 = 1 : 4.125

### **FUEL SYSTEM**

Type	Electronic injection (Marelli MIU G3)
Venturi	Ø 38 mm (1.50 in)
Fuel	Premium unleaded petrol, minimum octane rating of 95 (NORM) and 85 (NOMM)

### **CHASSIS**

Type	Modular double cradle, high strength steel tubular chassis
Steering rake	27.5°

Trail	117 mm (4.61 in)
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### **SUSPENSIONS**

Front	hydraulic telescopic fork, Ø 40 mm (1.57 in)
Stroke	137 mm (5.39 in)
Rear - V7 Special / V7 Stone	Swingarm in die-cast light alloy, 2 shock absorbers with adjustable spring preloading
Rear - V7 Racer	Swingarm in die-cast light alloy, 2 shock absorbers with adjustable extension, compression and spring preloading
Stroke- V7 Special / V7 Stone	85 mm (3.35 in)
Stroke- V7 Racer	75 mm (2.95 in)

### **BRAKES**

Front	stainless steel floating disc, Ø 320 mm (12.59 in), callipers with 4 different and counteracting plungers
Rear	260 mm (10.24 in) stainless steel disc, floating calliper with two 22 mm (0.87 in) diameter pistons

**WHEEL RIMS**

Type - V7 Stone	Alloy wheels for tubeless tyres
Type - V7 Special / V7 Racer	with spokes with alloy rims, for tyres with inner tubes
Front	2.5"x18"
Rear	3.50 x 17"

**TYRES**

Front tyre	PIRELLI SPORT DEMON
Front (size)	100 / 90 - 18 56H
Front (inflation pressure)	2.5 bar (250 kPa) (36.26 PSI)
Front (inflation pressure with passenger)	2.6 bar (260 kPa) (37.71 PSI)
Rear tyre	PIRELLI SPORT DEMON
Rear (size)	130 / 80 - 17 65H
Rear (inflation pressure)	2.5 bar (250 kPa) (36.26 PSI)
Rear (inflation pressure with passenger)	2.6 bar (260 kPa) (37.71 PSI)

**SPARK PLUGS**

Standard	NGK CPR8EB-9
Spark plug electrode gap	0.6 - 0.7 mm (0.024 - 0.027 in)
Resistance	5 kOhm

**ELECTRICAL SYSTEM**

Battery	12V - 12 Ah
Fuses	5 (2) - 15 (3) - 20 - 30 A
Permanent magnet alternator	12V - 270W

**BULBS**

Low/high beam light (halogen)	12 V - 55 W / 60 W H4
Front daylight running lights	12V - 5W
Turn indicator light	12 V - 10 W (orange RY 10 W bulb)
tail light /stop lights	12 V - 5 / 21 W
Dashboard lighting	LED



**WARNING LIGHTS**

Gear in neutral	LED
Turn indicators	LED
Fuel reserve	LED
High beam light	LED
Engine oil pressure	LED
MI warning light	LED
ABS warning light	LED
MGCT warning light	LED



# V7 II Racer - V7 II Special - V7 II Stone



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

## Scheduled maintenance table

Correct maintenance is fundamental for ensuring the longevity of your vehicle and maintaining optimum function and performance.

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.**

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

V: CHECK AND CLEAN, ADJUST AND REPLACE IF NECESSARY

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

(1) Replace in case of leaks.

(2) Replace every 2 years or 20000 Km (12427 mi).

(3) Replace every 4 years.

(4) At each engine start.

(5) Check every month.

(6) Check every 3,000 km (1,864 mi)

(7) Check and clean and adjust or replace, if necessary, every 1,000 Km (621 mi)

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

**ROUTINE MAINTENANCE TABLE**

<b>km x 1,000</b>	<b>1</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>
Spark plugs		R	R	R	R	R	R
Transmission cables and controls	I	I	I	I	I	I	I
Steering bearings and steering clearance	I	I	I	I	I	I	I
Wheel bearings		I	I	I	I	I	I
Brake discs	I	I	I	I	I	I	I
Air filter		R	R	R	R	R	R
Gearbox oil filter	C						C
Engine oil filter	R	R	R	R	R	R	R
Lights operation / aiming		I	I	I	I	I	I
Vehicle general operation	I	I	I	I	I	I	I
Braking systems	I	I	I	I	I	I	I
Light circuit	I	I	I	I	I	I	I
Safety switches	I	I	I	I	I	I	I
Brake fluid (2)	I	I	I	I	I	I	I
Gearbox oil	R						R
Fork oil (8)					R		

km x 1,000	1	10	20	30	40	50	60
Engine oil (6)	R	R	R	R	R	R	R
Final drive oil	R		R		R		R
Fork oil seal (1)	I	I	I	I		I	I
Tyres - pressure/wear (5)	I	I	I	I	I	I	I
Valve clearance adjustment	A	A	A	A	A	A	A
Wheels	I	I	I	I	I	I	I
Bolts and nuts tightening	I	I	I	I	I	I	I
Battery terminals tightening	I						
Head screws tightening	A						
Suspension and setting	I		I		I		I
Engine oil pressure warning light (4)							
Filter box draining plug	C	C	C	C	C	C	C
Fuel lines (3)		I	I	I	I	I	I
Brake pipes		I	I	I	I	I	I
Clutch wear		I	I	I	I	I	I
Brake pad wear (7)	V	V	V	V	V	V	V

### **RECOMMENDED PRODUCTS TABLE**

Product	Description	Specifications
ENI i-RIDE PG 10W-60	Lubricant formulated with advanced synthetic technology and high performance additives to	JASO MA, MA2 - API SG

Product	Description	Specifications
	cater specifically for 4-stroke engines with high specific power outputs.	
AGIP GEAR MG SAE 85W-140	Transmission oil	API GL-4 and GL-5
ENI ROTRA LSX 75W-90	Gearbox oil	API GL-5
AGIP FORK 7.5W	Fork oil	SAE 5W / SAE 20W
AGIP GREASE SM 2	Gray black smooth-textured lithium grease, containing molybdenum disulphide.	-
Neutral grease or petroleum jelly.	Battery poles	
AGIP BRAKE 4	Brake fluid	SAE J 1703 -FMVSS 116 - DOT 3/4 - ISO 4925 - CUNA NC 956 DOT 4 synthetic fluid





# V7 II Racer - V7 II Special - V7 II Stone



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

## 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)

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#### 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.

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