

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

for choosing one of its products. We have drawn up this manual to show you all the features of your motorcycle. Please read it carefully before riding the motorcycle for the first time. It contains information, tips and precautions for using your vehicle. You will also discover features, details and devices which will reassure you that you have made the right choice. We believe that if you follow our suggestions, you will soon get to know your new motorbike inside and out and it will serve you well for a long time to come. This booklet is an integral part of the vehicle; should the vehicle be sold, it must be transferred to the new owner.

# **V9**



The instructions contained in this booklet were written to provide a simple and clear guide for use of the vehicle. The manual also details routine maintenance procedures and regular checks that should be carried out on the vehicle at an authorized Moto Guzzi Dealer or **Service Center**, as well as instructions for some simple maintenance items. Procedures not described in detail here require the use of special tools and/or specific technical knowledge: we therefore advise you to contact an **authorized Moto Guzzi Dealer or Workshop** if you need them to be carried out.



### **Personal safety**

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



### **Protecting the environment**

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



### **Vehicle condition**

The incomplete or lack of observance to these regulations can lead to risk of serious damage to the vehicle and may even invalidate the warranty.

*The signs pictured above are very important. They work to highlight those parts of the booklet that should be read with particular care. As you can see, each sign consists of a different graphic symbol, making it quick and easy to locate the various topics. Before you start the engine, read this booklet carefully, paying particular attention to the chapter on "General Safety Rules ". Your safety and that of other road users depends as much on your ability to respond to other traffic and unexpected occurrences as on your familiarity with your vehicle, the vehicle's efficiency and your knowledge of basic SAFE RIDING techniques. We therefore recommend that you should take the time to familiarize yourself with your vehicle, so that you can move in road traffic confidently and safely. IMPORTANT This booklet is an integral part of the vehicle and must be kept with the vehicle, even though the vehicle is sold.*



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# V9



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

## General Safety Rules

Before starting the engine, carefully read this use and maintenance manual and in particular the chapters "GENERAL PRECAUTIONS AND WARNINGS" and "SAFE RIDING".

Your safety and that of other persons depends not only on your driving skills, but also on your knowledge of the vehicle and how to drive safely. Therefore, it is essential not to use the vehicle on public roads or highways before having received instructions from a qualified safety organization such as the Motorcycle Safety Foundation, having an adequate training and having a motorcycle driving license.

## Foreword

### NOTE

**THIS USE AND MAINTENANCE MANUAL IS AN IMPORTANT DOCUMENT AND MUST ALWAYS BE KEPT WITH THE VEHICLE. IF THE VEHICLE IS RESOLD, PLEASE PROVIDE THIS MANUAL TO THE NEW OWNER.**

**Moto Guzzi** has created this use and maintenance manual to provide you, the user, with correct and updated information. However, considering the fact that **Moto Guzzi** is constantly improving the design of its vehicles, there may be slight differences between the characteristics of the vehicle in your possession and the information contained in this use and maintenance manual. For any questions concerning your vehicle, contact your local **Moto Guzzi** dealer who will always be updated with the latest information available from the company. For checks and repairs not expressly described in this manual, the purchase of original spare parts, accessories and other **Moto Guzzi** products, as well as support on specific problems, contact your local **Moto Guzzi** dealer or service centre. These professionals will provide you a quick and accurate service.

Thank you for choosing **Moto Guzzi**.

We wish you a pleasant ride!

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## Carbon Monoxide

### IMPORTANT



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

### IMPORTANT



**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

### IMPORTANT



**FUEL USED TO DRIVE EXPLOSION ENGINES IS HIGHLY INFLAMMABLE AND CAN BECOME EXPLOSIVE UNDER SPECIFIC CONDITIONS. IT IS THEREFORE RECOMMENDED TO CARRY OUT REFUELLING AND MAINTENANCE PROCEDURES IN A VENTILATED AREA WITH THE ENGINE SWITCHED OFF. DO NOT SMOKE DURING REFUELLING OR NEAR FUEL VAPOUR. AVOID ANY CON-**

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

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

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



**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.

## **Warning Lights**



**IF THE ALARM WARNING LAMPS ILLUMINATE DURING THE NORMAL ENGINE OPERATION, THIS MEANS THAT THE ELECTRONIC CONTROL UNIT HAS FOUND AN ABNORMALITY.**



IF THE GENERAL ALARM WARNING LAMP FLASHES DURING THE NORMAL ENGINE OPERATION, THIS MEANS THAT THE OIL PRESSURE IN THE CIRCUIT IS INSUFFICIENT.

IN THIS CASE THE ENGINE MUST BE SHUT OFF IMMEDIATELY IN ORDER TO PREVENT 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

### IMPORTANT



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

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 THE EYES IMMEDIATELY WITH PLENTY OF COOL, CLEAN WATER AND SEEK IMMEDIATE MEDICAL ATTENTION.**

KEEP OUT OF THE REACH OF CHILDREN.

### Battery Hydrogen Gas and Electrolyte

#### IMPORTANT



**THE BATTERY ELECTROLYTE IS TOXIC, CORROSIVE AND, AS IT CONTAINS SULPHURIC ACID, MAY CAUSE BURNING IF IT COMES INTO 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. SEEK SPECIALISED MEDICAL ATTENTION IMMEDIATELY IN THE EVENT OF CONTACT WITH THE EYES. THE BATTERY RELEASES EXPLOSIVE GASES; KEEP IT AWAY FROM FLAMES, SPARKS, CIGARETTES OR ANY OTHER HEAT SOURCES. EN-**

**SURE ADEQUATE VENTILATION WHEN SERVICING OR RECHARGING THE BATTERY.**

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

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

## **General Precautions and Warnings**

### **DANGER OF OVERHEATING**

WHEN THE VEHICLE IS STATIONARY, DO NOT KEEP THE ENGINE RUNNING MORE THAN NECESSARY, THIS MAY CAUSE EXCESSIVE OVERHEATING. IN EXTREME CASES, RISK OF FIRE.

- WHEN THE VEHICLE IS STATIONARY, DO NOT UNNECESSARILY RUN THE ENGINE.
- START IMMEDIATELY AFTER IGNITION, MAKING SURE TO RIDE A SHORT INITIAL DISTANCE AT LOW RPM.
- AFTER USE, AS SOON AS PARKED, THE ENGINE MUST BE IMMEDIATELY TURNED OFF.
- AFTER USE, DO NOT PLACE OBJECTS IN CONTACT WITH THE VEHICLE, WHEN IT IS STILL HOT, AS THEY COULD IGNITE (E.G. PROTECTIVE FABRICS, JACKET, ETC.).

### **TAMPERING**

- NEVER TAMPER WITH ANY PART OF THE MOTORCYCLE (E.G. ENGINE CONTROL UNIT, THROTTLE VALVES, CLUTCH, EXHAUST SYSTEM, ETC.). THIS MAY CAUSE DAMAGE TO THE COMPONENTS INVOLVED, FAILURE OF RELEVANT SAFETY FUNCTIONS AND LOSS OF THE WARRANTY.

## DANGER OF BURNS

IN CASE OF OVERHEATING OF THE ENGINE AND EXHAUST SYSTEMS WHILE RUNNING, PAY PARTICULAR ATTENTION:

- DANGER OF BURNS:
- AFTER TURNING OFF THE VEHICLE, PAY ATTENTION THAT NO PERSON OR OBJECT COMES IN CONTACT WITH THE ENGINE AND THE EXHAUST SYSTEM.

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

## IMPORTANT

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

If you have any questions regarding your warranty rights and responsibilities, please contact Piaggio Group Americas, Inc., 257 Park Avenue South, 4th Floor New York, NY 10010, U.S.A. Telephone number: (212) 380 4400, the U.S. Environmental Protection Agency, 2000 Traverwood Ann Arbor, MI 48105 or the California Air Resources Board at P.O. Box 8001, 9528 Telstar Avenue, El Monte, CA 91734-8001.

If it is found that your vehicle has a defect that could cause an accident, injury or death, immediately report it to NHTSA (**National Highway Traffic Safety Administration**) and **Moto Guzzi**. If NHTSA receives other similar information, it could initiate an investigation, and if a safety defect is found affecting a group of vehicles it could request its withdrawal or the application of corrective measures. In any case, the NHTSA does not intervene in the event of individual problems between persons, dealers or **Moto Guzzi**. To contact NHTSA, call the **Vehicle Safety Hotline** toll-free number (888 327 4236) or write to: U.S. Department of Transportation, National Highway Safety Administration, 1200 New Jersey Ave., SE, Washington DC 20590. For more information regarding vehicle safety, call the toll-free number.

Your safety and that of the persons around you depends not only on your driving skills, but also on your knowledge of the vehicle and the safety rules.

Therefore, it is essential not to use the vehicle on public roads or highways before having received instructions from a qualified and prepared safety organization, for example MOTORCYCLE SAFETY FOUNDATION.

### LIST OF DEFECTS THAT COMPROMISE THE SAFETY

If it is found that your vehicle has a defect that could cause an accident or death, immediately report it to the National Highway Traffic Safety Administration (NHTSA), a section of the American Department of Transportation.

After receiving information on alleged defects, NHTSA could open an investigation to find out if there is a group of defective vehicles on the market. At that point, it could launch an information campaign and recall the vehicles from the market. However, neither the NHTSA nor the Department of Transportation will be involved in personal matters regarding the consumer and manufacturer.

Additional information can be obtained by calling the specified number.

### Road Regulations and Use of the Motorcycle

The road traffic code rules vary from state to state. It is extremely important to know in advance the road traffic code rules of the country where the vehicle will be used.

#### IMPORTANT



**THIS VEHICLE HAS BEEN DESIGNED TO BE USED ON ASPHALT ROADS ONLY. IT WAS NOT DESIGNED TO BE USED ON OFF-ROAD TRACKS, RACE CIRCUITS, OFF-ROAD OR FOR MOTOCROSS COMPETITIONS. DO NOT RIDE THIS VEHICLE ON UNEVEN SURFACES, DIRT OR GRAVEL ROADS. FAILURE TO FOLLOW**

**THESE WARNINGS COULD LEAD TO A FALL WITH CONSEQUENT INJURIES, EVEN DEATH.**

## **Noise Emission Warranty**

**Piaggio & Co. S.p.A** warrants that the exhaust system complies with all US **EPA** federal noise emission standards in effect at the time of production. Any questions concerning the exhaust system of this vehicle must be addressed to any authorised **Moto Guzzi** dealer or to the **Moto Guzzi** Customer Care by calling (212) 380 4433, or by writing to:

**Moto Guzzi Customer Care c/o Piaggio Group Americas, Inc.**

257 Park Avenue South, 4th Floor,

New York, NY 10010

U.S.A.

## **Origin of the Emissions**

### **IMPORTANT**



**THE COMBUSTION PROCESS PRODUCES CARBON MONOXIDE AND HYDROCARBONS. THE CONTROL OF HYDROCARBONS IS VERY IMPORTANT BECAUSE UNDER CERTAIN CONDITIONS THEY REACT TO EXPOSURE TO SUNLIGHT AND PRODUCE PHOTO-CHEMICAL SMOG.**

**WHILE CARBON MONOXIDE DOES NOT REACT IN THE SAME WAY AS HYDROCARBONS, IT IS HIGHLY TOXIC AND HARMFUL. Moto Guzzi USES A CARBURETTOR ADJUSTMENT SET TO A "LEAN" MIXTURE AND OTHER SYS-**

## TEMS TO REDUCE THE PRODUCTION OF CARBON MONOXIDE AND HYDRO-CARBONS.

### Tampering

It is forbidden to tamper the noise control system. The following actions are prohibited by federal law:

**a)** The removal and any action, by anyone, aimed at rendering inoperative, except for maintenance, repair or replacement, any device or design element incorporated in all new vehicles, in order to control the noise emission before sale or delivery of the vehicle to the final purchaser or while it is being used,

or

**b)** the use of the vehicle after this device or design element has been removed or rendered inoperative by any person.

These tampering actions also include the actions listed below:

**a)** Removal or perforation of the silencer, deflectors, manifold pipes or any other component for conveying the exhaust gases.

**b)** Disassembly or perforation of any component of the intake system.

**c)** Insufficient proper maintenance.

**d)** Replacement of any moving part of the vehicle or parts of the intake or exhaust system with parts other than those specified by the manufacturer.

**e)** Removal of decals or warning labels regarding emissions or safe vehicle operation. **ANY DAMAGE RESULTING FROM THE REMOVAL OF THE DECALS AND/OR THE WARNING LABELS WILL NOT BE COVERED BY THE TERMS OF THE MOTO GUZZI LIMITED WARRANTY FOR NEW VEHICLES.** Besides, many countries may refuse to grant registration of a vehicle that does not have the necessary emission and/or safety warning labels if these are not regularly attached to the vehicle. The vehicle owner must consider that Piaggio Group Americas, Inc. / Moto Guzzi USA will not recognise any warranty if the vehicle or any of its components is damaged or

defective due to negligence, improper maintenance, unauthorized modifications, use in organised or non-organised competitions or in events such as Track Days.

#### IMPORTANT



**THIS PRODUCT SHOULD BE REPAIRED OR REPLACED IF THE NOISE FROM THE VEHICLE INCREASES SIGNIFICANTLY DURING USE. OTHERWISE, THERE WILL BE SANCTIONS IMPOSED AGAINST THE OWNER IN ACCORDANCE WITH STATE OR LOCAL LAWS.**

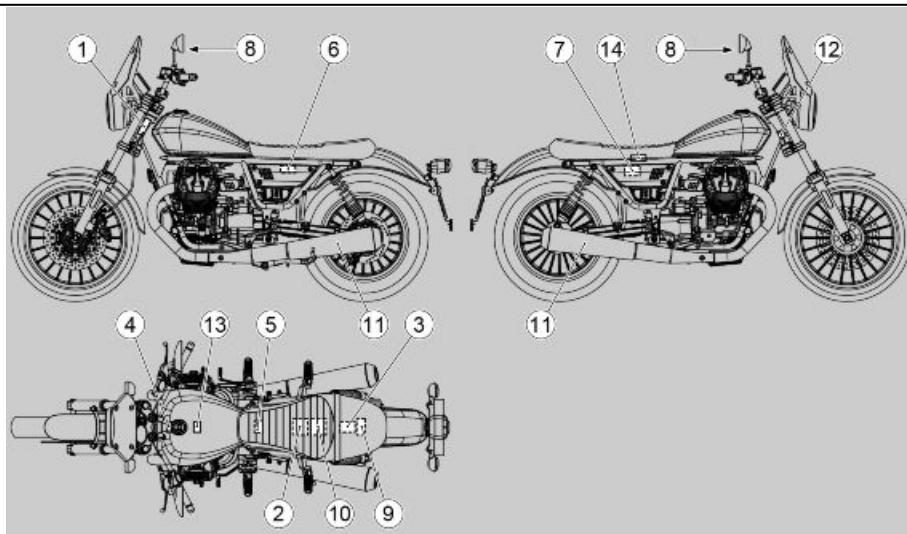
### Problems that May Affect the Motorcycle Emissions

If one of the following symptoms are experienced, have the vehicle checked and repaired immediately by your local **Moto Guzzi** dealer.

#### Symptoms:

- Difficulty starting or stalling after starting.
- Ignition failure or early ignition during acceleration.
- Combustion delay (early ignition).
- Poor engine performance, reduced handling or excessive fuel consumption.

### Position of the Warning Labels (01\_01)



01\_01

Label 1 (01\_02, 01\_03)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> MFD BY MOTO GUZZI DIVISION<br>OF PIAGGIO & C. S.p.A.<br><div style="border: 1px solid black; height: 15px; width: 100px; margin: 5px 0;"></div> THIS VEHICLE CONFORMS TO ALL<br>APPLICABLE U.S. FEDERAL MOTOR VEHICLE<br>SAFETY STANDARDS IN EFFECT ON THE<br>DATE OF MANUFACTURE SHOWN ABOVE<br>VIN: <div style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></div><br><input type="checkbox"/> TYPE: MOTORCYCLE | <input type="checkbox"/> GVWR ??? KG (??? LB)<br>GAWR F. ??? KG (??? LB)<br>WITH ???/?? - ??? ??? TIRE<br>AND ??? x ?? MT DOT RIM<br>AT ??? KPA (?? PSI) COLD<br>GAWR R. ??? KG (??? LB)<br>WITH ???/?? - ??? ??? TIRES<br>AND ??? x ?? MT DOT RIM<br>or ???/?? - ??? ??? TIRE<br>AND ??? x ?? MT DOT RIM<br>AT ??? KPA (?? PSI) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**USA**

01\_02

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |   |                                               |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|-----------------------------------------------|---|
| ○                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MFD BY / FABRIQUE PAR: | ○ | MOTO GUZZI DIVISION<br>OF PIAGGIO & C. S.p.A. | ○ |
| <div style="border: 1px solid black; width: 100px; height: 15px; margin: 5px 0;"></div>                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |                                               |   |
| <small>GVWR / PNBV: ??? KG<br/>FRONT / AVANT GVWR / PNBV: ??? KG<br/>REAR / ARRIERE GVWR / PNBV: ??? KG<br/>THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED UNDER THE CANADIAN MOTOR<br/>VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE. CE VEHICULE EST CONFORME<br/>A TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU REGLEMENT SUR LA SECURITE DES<br/>VEHICULES AUTOMOBILES DU CANADA EN VIGUEUR A LA DATE DE SA FABRICATION.</small> |                        |   |                                               |   |
| VIN / NIV: <div style="border: 1px solid black; width: 150px; height: 15px; display: inline-block;"></div>                                                                                                                                                                                                                                                                                                                                                                     |                        |   |                                               |   |
| ○                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TYPE: MC               | ○ | ..???                                         | ○ |

**CDN**

01\_03

Label 2 (01\_04)

HOSE ROUTING DIAGRAM  
EVAP FAMILY: ????????????

MOTO GUZZI DIVISION OF  
PIAGGIO & C. S.p.A.

-???

**CARBON CANISTER**  
**SCHEME**

01\_04

Label 3 (01\_05)

**⚠ WARNING!**

Do not use any tire other than those recommended and approved by Moto Guzzi. Maintain proper tire inflation. Do not use any tire with less than 1/8" (3mm) tread remaining. Do not repair any tire, nor use a repaired tire. Do not ride your motorcycle overloaded or with an unbalanced load. Failure to follow these warnings can lead to an accident and serious injuries or death. See owner's manual.

-???- 

|                                                                                                                                                                    | Tires pressure<br>kPa - (psi) |              | Tires size | Front tire |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------|------------|------------|-----------------|
|                                                                                                                                                                    | Front<br>tire                 | Rear<br>tire |            |            |                 |
|                                                                                    | ???                           | ???          |            | ??????     | { ???'?? ??' ?? |
|                                                                                                                                                                    | (??)                          | (??)         |            | ??????     |                 |
|                                                                                                                                                                    |                               |              |            | ??????     |                 |
|                                                                                    | ???                           | ???          |            | Rear tire  |                 |
|                                                                                                                                                                    | (??)                          | (42)         |            | ??????     | { ???'?? ??' ?? |
|                                                                                                                                                                    |                               |              |            | ??????     |                 |
|                                                                                                                                                                    |                               |              |            | ??????     |                 |
|   | ???                           | ???          |            |            |                 |
|                                                                                                                                                                    | (??)                          | (??)         |            |            |                 |

01\_05

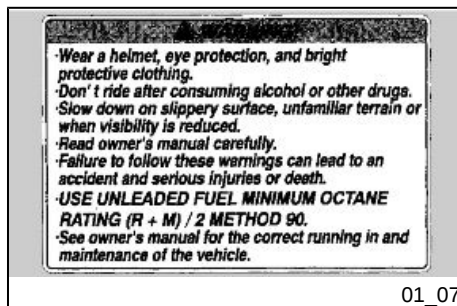
Label 4 (01\_06)

**⚠ WARNING!**

**DO NOT ALLOW KEY CHAIN AND ANY OTHER ITEM TO FALL BETWEEN THE STEERING HEAD AND THE BODY OF MOTORCYCLE.**

**THIS CAN CAUSE LOSS OF CONTROL.**

01\_06

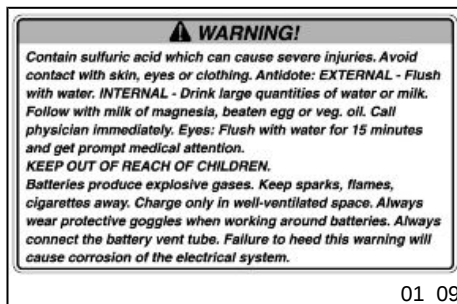


Label 5 (01\_07)

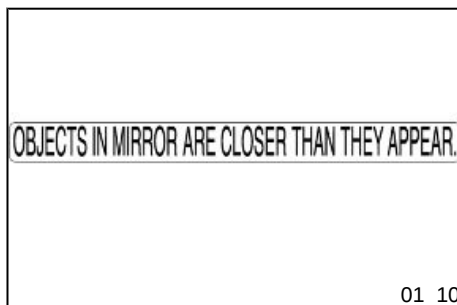


Label 6 (01\_08)

Label 7 (01\_09)



Label 8 (01\_10)



Label 9 (01\_11)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>MOTORCYCLE NOISE EMISSION CONTROL INFORMATION</b></p> <p>THIS (MY) ?????????? MOTORCYCLE, ??????</p> <p>MEETS EPA NOISE EMISSION REQUIREMENTS OF 80 dBA</p> <p>AT ???? closing r.p.m. BY FEDERAL TEST PROCEDURE.</p> <p>MODIFICATIONS WHICH CAUSE THIS MOTORCYCLE TO EXCEED</p> <p>FEDERAL NOISE STANDARDS ARE PROHIBITED BY FEDERAL LAW.</p> <p>SEE OWNER'S MANUAL.</p> <p>-???-</p>  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

01\_11

Label 10 (01\_12)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <p><b>VEHICLE EMISSION CONTROL INFORMATION</b></p> <p>ENGINE DISPLACEMENT: ??? cc</p> <p>ENGINE FAMILY: ??????????</p> <p>PERMEATION FAMILY: ????????????</p> <p>THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA</p> <p>REGULATIONS APPLICABLE TO ???? MODEL YEAR NEW</p> <p>MOTORCYCLES AND IS CERTIFIED TO ?? HC+NO<sub>x</sub> G/KM</p> <p>ENGINE FAMILY EXHAUST EMISSION STANDARD.</p> <p>ENGINE EXHAUST CONTROL SYSTEM: ?????</p> <p><b>ENGINE TUNE UP SPECIFICATIONS</b></p> <p>IGNITION TIMING: ??° ± ?° AT ???? RPM</p> <p>IDLE SPEED: ??? ± ??? RPM IN NEUTRAL</p> <p>VALVE CLEARANCE: INLET ????±?.??? inch (?.??±?.?? mm)</p> <p>OUTLET ????±?.??? inch (?.??±?.?? mm)</p> <p>SPARK PLUG: ?????</p> <p>FUEL: MINIMUM OCTANE RATING (M+R)/2 METHOD 90</p> <p>OIL: ENGINE OIL VISCOSITY SAE ???-??</p> <p>-???-</p> <p>MOTO GUZZI DIVISION OF PIAGGIO &amp; C. S.p.A.</p> <p>V. le Rinaldo Piaggio, 25</p> <p>56025 Pontedera (PI) ITALY</p>  | <p>PIAGGIO GROUP AMERICAS, Inc.</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|

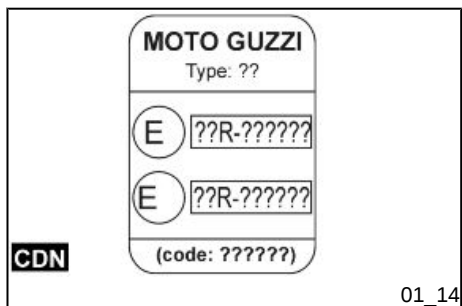
01\_12

Label 11 (01\_13)

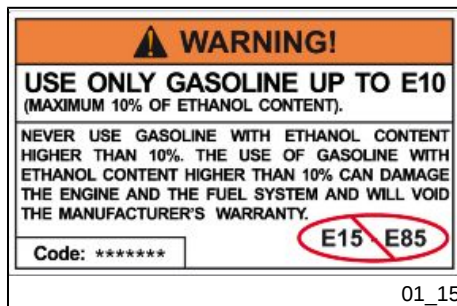
Muffler stamping

01\_13

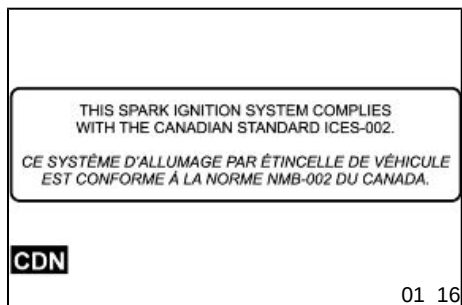
Label 12 (01\_14)



01\_14



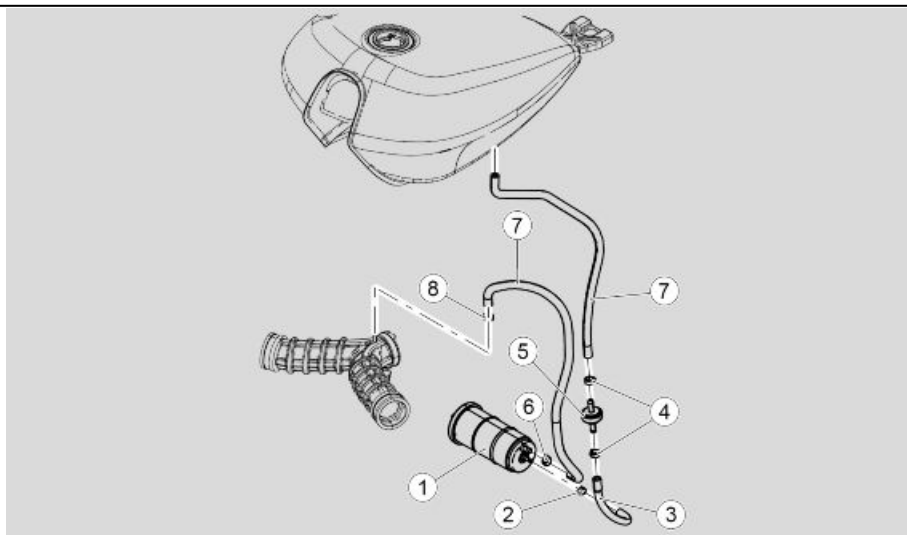
Label 13 (01\_15)



Label 14 (01\_16)

- Plate only on the Canada version vehicle.

Evaporative emissions control system (01\_17)



01\_17

**Key:**

1. Canister
2. Pipe clamp
3. SAE 30 R12A-3/16 pipe
4. 12.5x8 clamp
5. Pressure valve
6. Clamp
7. SAE 30 pipe, diam.12.7x6.35
8. 7.6x380 clamp

**NOTE**

**IN CASE OF MALFUNCTION OF THE SYSTEM, CONTACT AN Official Moto Guzzi Dealer.**

## **Your Warranty Rights and Obligations**

The United States Environmental Protection Agency, the California Air Resources Board and moto guzzi Division of **Piaggio & C. S.p.A.** (hereinafter referred as "**Moto Guzzi**") are pleased to illustrate the warranty of the emissions control system on your vehicles from 1999 onwards. In California, new motorcycles must be designed, built and equipped to meet stringent United States anti-smog standards. **Moto Guzzi** must guarantee the emission control system on your motorcycle for the periods of time listed below, except in case of violations, negligence or improper maintenance of your motorcycle.

Your emission control system may include components such as the carburettor or fuel injection system, ignition system, catalyst, and engine control unit. This could also include pipes, belts, connectors and other emission related units.

If there is a legitimate condition, **Moto Guzzi** will repair your motorcycle free of charge, including diagnosis, spare parts and labour costs.

## **Manufacturer's Warranty Coverage**

Class I motorcycles (3.05 - 10.31 cu in) (50 - 169 cc): for a period of use of five (5) years or 7.457 mi (12000 km) whichever is sooner.

Class II motorcycles (10.37 - 17.03 cu in) (170 - 279 cc): for a period of use of five (5) years or 11.185 mi (18000 km) whichever is sooner.

Class III motorcycles (17.09 cu in and higher) (280 cc) : for a period of use of five (5) years or 18.641 mi (30.000 km) whichever is sooner.

If an emissions-related component on your motorcycle is defective, it will be repaired or replaced by **Moto Guzzi**. This is your WARRANTY FOR DEFECTS of the emission control system.

### **Moto Guzzi - STATEMENT OF LIMITED WARRANTY ON THE EMISSION CONTROL SYSTEM (FOR US MARKET ONLY)**

**Piaggio & C. S.p.A.**, Via E. V. Parodi, 57, 23826 Mandello del Lario (LC) Italy (hereinafter referred to as "**Moto Guzzi**") guarantees that all new **Moto Guzzi** motorcycles from 1999 and later which include as standard the headlight, the taillight and the brake lights are approved for road use:

**a)** have been designed, constructed and equipped to comply with all applicable regulations at the time of initial public sale by the United States Environmental Protection Agency and the California Air Resources Board;

and

**b)** are free from defects in material and workmanship that could result in non-compliance with the regulations in force of the United States Environmental Protection Agency or the California Air Resources Board for a period of use, based on the engine displacement, of 3.728 mi (6.000 km), if the engine displacement is less than 3.05 cu in (50 cc); 7.457 mi (12.000 km), if the engine displacement is less than 10.37 cu in (170 cc); 11.185 mi (18.000 km), if the engine displacement is equal to or greater than 10.37 cu in (170 cc), but in any case less than 17.09 cu in (280 cc); or 18.641 mi (30.000 km), if the engine displacement is equal to or greater than 17.09 cu in (280 cc); or 5 (five) years from the date of the initial public sale, whichever is sooner.

### **Owner's Warranty Responsibilities**

- As the owner, you are responsible for carrying out the scheduled maintenance indicated in your use and maintenance manual. **Moto Guzzi** recommends that you keep all receipts relating to the maintenance of your motorcycle even if **Moto Guzzi** cannot deny the warranty solely for lack of receipts or proof that the entire scheduled maintenance has been carried out.

- It is your responsibility to have your motorcycle checked by a **Moto Guzzi** dealer as soon as a problem occurs. Warranty repairs should be completed within a reasonable period of time, not exceeding 30 days.
- As owner of the motorcycle, you should be aware that **Moto Guzzi** may deny the warranty if your motorcycle or component is found to be defective as a result of violations, negligence, improper maintenance or unauthorised modifications.

If you have any questions regarding your warranty rights and responsibilities, please contact **Piaggio Group Americas, Inc.**, 257 Park Avenue South, 4th Floor New York, NY 10010, U.S.A., Telephone number: (212) 380 4400, or **California Air Resources Board** at P.O. Box 8001, 9528 Telstar Avenue, El Monte, CA 91734- 8001.

## I - Coverage.

Defects under warranty must be repaired during normal business hours by an Official **Moto Guzzi** Dealer based in the United States of America in accordance with the Clean Air Act and applicable regulations of the United States Environmental Protection Agency and California Air Resources Board. All components replaced under this warranty will become the property of **Piaggio Group Americas, Inc.**

Only in the State of California, emission-related warranty parts are specifically defined by the state's Emission Warranty Parts List. The components under warranty are as follows: carburettor and internal components; intake bellow; fuel tank; fuel injection system; ignition advance mechanism; crankcase breather; air shut-off valves; fuel cap for vehicles with evaporative emissions control; oil filler cap; pressure control valve; vapour/fuel separator; canister; igniter; switch regulators; ignition coils; ignition cables; ignition points; capacitors and spark plugs that are defective before the first scheduled replacement; and pipes, clamps, fittings and tubing used directly on these components. Since emission related components vary from model to model, some models may not have all of these components and other models may have components with equivalent operation.

Only in the State of California, emergency repairs of the emission control system, as required by the California Administrative Code, may be carried out by third parties other than an Official **Moto Guzzi** Dealer. An emergency situation is considered a situation in which a **Moto Guzzi** Official Dealer is not available, a component is not available or cannot be found within 30 days, or the repair is not completed within 30

days. In case of emergency repairs, any spare part can be used. **Piaggio Group Americas, Inc.** will reimburse the owner's expenses, including the diagnosis, without exceeding the **Moto Guzzi** suggested retail price for all parts under warranty replaced and for labour costs, based on the times recommended by **Moto Guzzi** for repairs under warranty and at the hourly rate specified for the geographical area. The owner may be required to keep receipts and defective parts for reimbursement.

## II - Limitations

The Emission Control System Warranty does not cover the following:

**a)** Repairs or replacements necessary as a result of:

- (1) accidents,
- (2) improper use,
- (3) improperly performed repairs or replacements with incorrect installation,
- (4) use of spare parts or accessories that do not comply with Moto Guzzi specifications which could adversely affect the performance,
- (5) use in competition, Track Days and other similar events.

**b)** Checks, replacement of components or other services and adjustments necessary for scheduled maintenance.

**c)** Any motorcycle on which the odometer mileage has been changed in such a way that the actual mileage can no longer be readily established.

## III – Limited liability

**a)** **Moto Guzzi's** liability under the emissions control system warranty is limited exclusively to the removal of defects in material or workmanship through a **Moto Guzzi** Official Dealer at its company headquarters during normal working hours. This warranty does not include inconveniences or inability to use the motorcycle or transportation of the motorcycle to/from the **Moto Guzzi** dealer.

**Piaggio Group Americas, Inc.** WILL BE DEEMED FREE FROM ANY OTHER EXPENSES, LOSS OR DAMAGES, DIRECT, INDIRECT, CASUAL OR PUNITIVE, ARISING FROM THE SALE OR USE OR IMPOSSIBILITY OF USE OF THE **Moto Guzzi** MOTORCYCLE FOR ANY PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION FOR INCIDENTAL OR INDIRECT DAMAGES AND SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

**b)** EMISSIONS EXPRESSED BY **Moto Guzzi and/or Piaggio Group Americas, Inc.** EXCEPT AS SPECIFICALLY DEFINED IN THIS DOCUMENT. ANY WARRANTY REGARDING THE EMISSION CONTROL SYSTEM IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR A PARTICULAR USE, IS LIMITED TO THE TERMS OF THE EMISSION CONTROL SYSTEM WARRANTY SET OUT IN THIS WARRANTY. THESE WARRANTY STATEMENTS EXCLUDE AND REPLACE ANY OTHER RIGHTS OF COMPENSATION. SOME STATES DO NOT ALLOW LIMITATIONS ON THE DURATION OF THE IMPLIED WARRANTY AND SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

**c)** No dealer is authorised to modify the warranty on the **Moto Guzzi** emission control system.

#### **IV - Legal rights**

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND ANY OTHER RIGHTS WHICH MAY VARY IN DIFFERENT STATES.

#### **V - This warranty is in addition to the manufacturer limited vehicle warranty**

THIS WARRANTY INTEGRATES THE MOTORCYCLE LIMITED WARRANTY **Moto Guzzi**.

## VI - Additional information

Any spare parts with equivalent performance and durability can be used to carry out any maintenance repairs. However, Moto Guzzi assumes no responsibility for these parts. The owner is responsible for carrying out all scheduled maintenance. This maintenance can be carried out by an authorized **Moto Guzzi** dealer or by the owner himself. The warranty period start at the first date of delivery to a retail client.

### **Piaggio & C. S.p.A.**

via G. Galilei, 1

30033 Noale (VE) Italy

### **Piaggio Group Americas, Inc.**

257 Park Avenue South, 4th Floor

New York, NY 10010 U.S.A.

Telephone number: (212) 380 4400

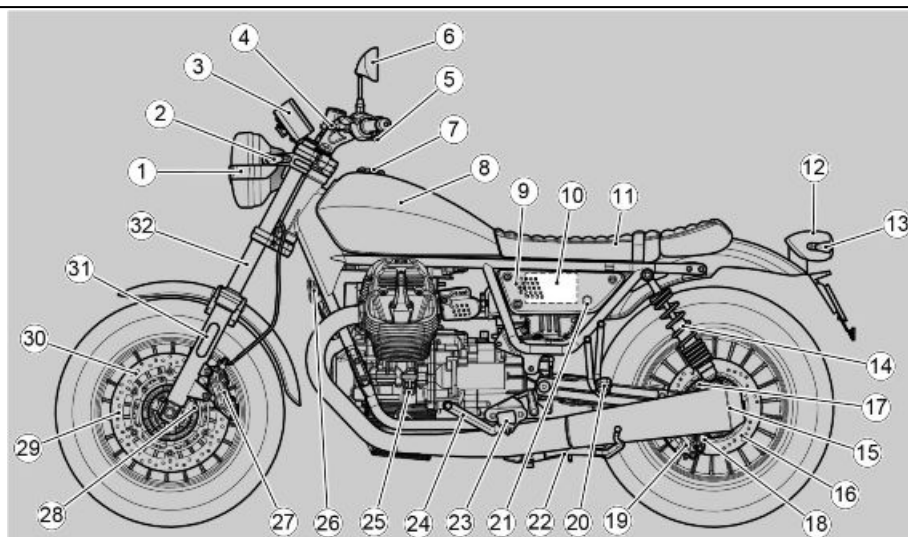


# V9

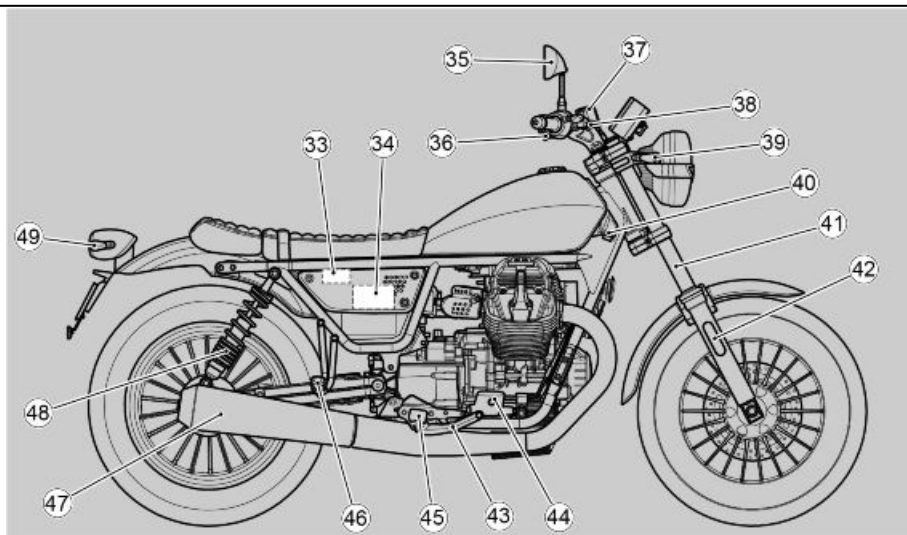


**Chap. 02**  
**Vehicle**

## Arrangement of the Main Components (02\_01, 02\_02)



02\_01

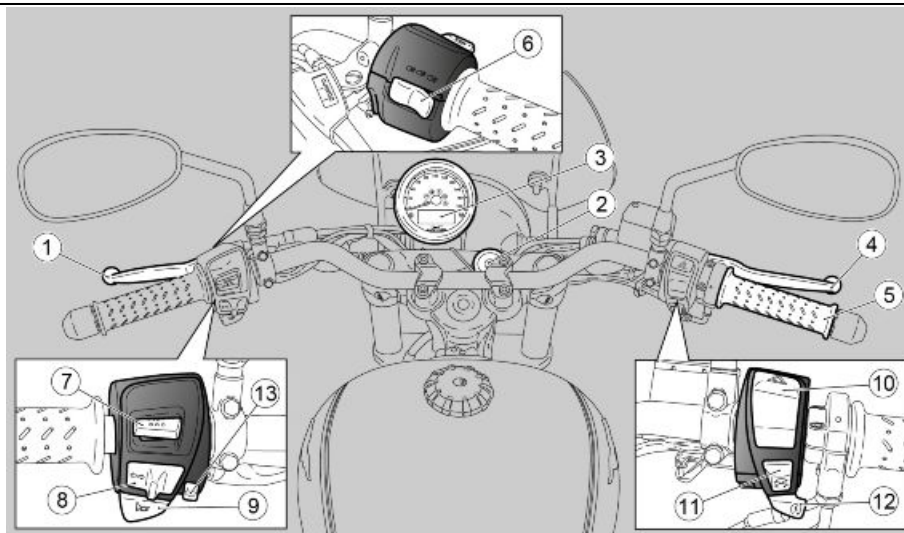


02\_02

**Key:**

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. Taillight
13. Rear left turn indicator

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

**Dashboard (02\_03, 02\_04)****ANALOGUE INSTRUMENTS**

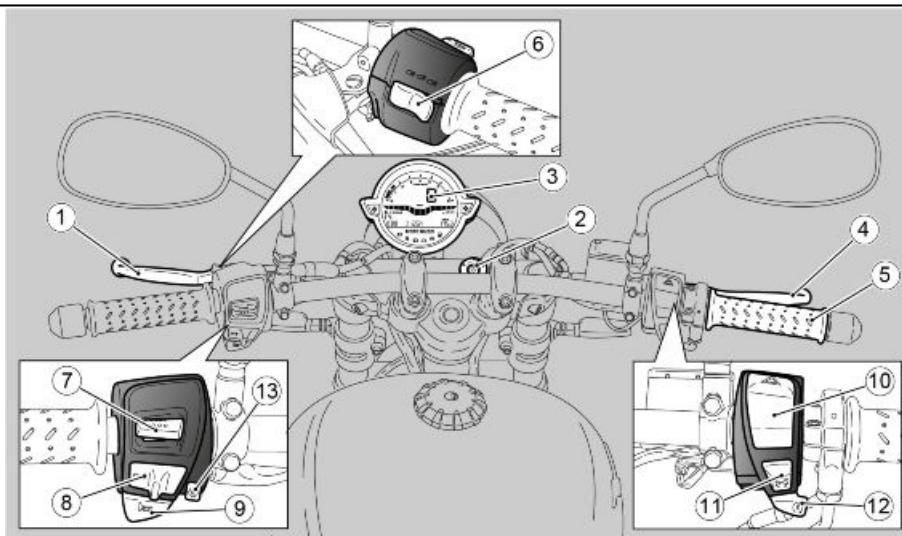
02\_03

**Key:**

1. Clutch control lever
2. Ignition switch /steering lock
3. Instruments and gauges
4. Front brake lever
5. Throttle grip
6. High beam flash switch
7. MODE switch

- 8. Turn indicator switch
- 9. Audible warning device
- 10. Emergency tell-tale light button
- 11. Engine stop switch
- 12. Engine start switch
- 13. MGCT switch

## DIGITAL INSTRUMENTS



02\_04

**Key:**

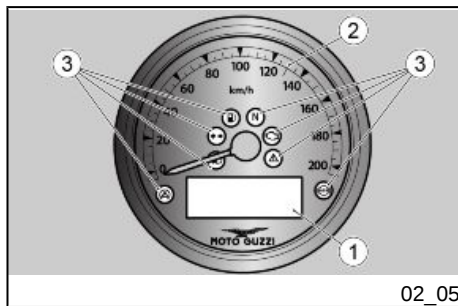
1. Clutch control lever
2. Ignition switch /steering lock
3. Instruments and gauges
4. Front brake lever
5. Throttle grip
6. High beam flash switch
7. MODE switch
8. Turn indicator switch
9. Audible warning device
10. Emergency tell-tale light button
11. Engine stop switch
12. Engine start switch
13. MGCT switch

**Instrument panel (02\_05, 02\_06, 02\_07, 02\_08)****ANALOGUE INSTRUMENTS****Key:**

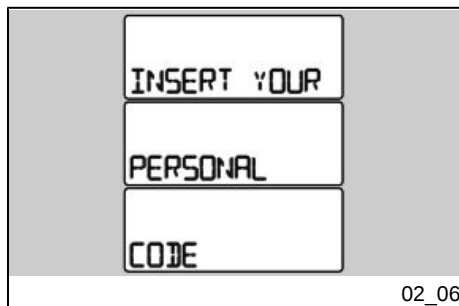
1. Multifunctional digital display
2. Odometer
3. Indicator lamps

**NOTE**

**INFORMATION ON THE DIGITAL DISPLAY (1) IS AVAILABLE IN ENGLISH ONLY.  
THE LANGUAGE USED CANNOT BE CHANGED.**



02\_05



02\_06

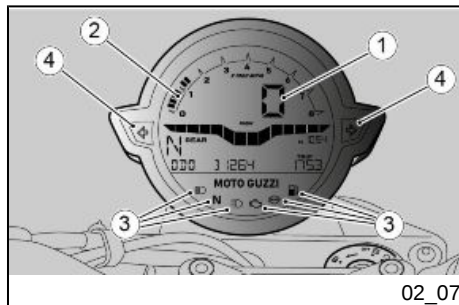
The dashboard has an immobilizer system which prevents start-up in case the system does not identify a key which has been stored before.

The vehicle is delivered to the customer with two pre-programmed keys. The instrument panel saves a maximum of four keys: contact an **Official Moto Guzzi Dealer** to enable these keys or to disable a key that has been lost. After delivery of a new vehicle, the instrument panel displays the message "INSERT YOUR PERSONAL CODE" when the ignition switch is turned to on, prompting the user to enter a personal five-figure code. This request message is no longer displayed once the personal code is entered. See the paragraph "CONTROL BUTTONS" for the procedure for entering the code

It is important to remember the personal code because:

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

## DIGITAL INSTRUMENTS



02\_07

Key:

1. Speedometer
2. Rev counter
3. Icons
4. Indicator lamps

### NOTE

INFORMATION ON THE DIGITAL DISPLAY (1) IS AVAILABLE IN ENGLISH ONLY. THE LANGUAGE USED CANNOT BE CHANGED.



02\_08

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

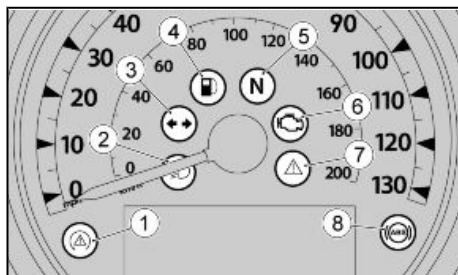
The vehicle is delivered to the customer with two pre-programmed keys. The instrument panel saves a maximum of four keys: contact an **Official Moto Guzzi Dealer** to enable these keys or to disable a key that has been lost. After the vehicle is delivered and the key is turned to ON, the trip computer log shows the scrolling text "INSERT YOUR PERSONAL CODE". The instrument panel prompts the user to enter the personal five-digit code. This request message is no longer displayed once the personal code is entered. See the paragraph "CONTROL BUTTONS" for the procedure for entering the code

**It is important to remember the personal code because:**

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

## Light Unit (02\_09, 02\_10)

### ANALOGUE INSTRUMENTS



02\_09

**Key:**

1. MGCT warning light (amber yellow)
2. High beam indicator lamp (blue)
3. Turn signal indicator lamp (green)
4. Amber low fuel warning light (yellow)
5. Neutral gear warning light (green)
6. MI engine alarm warning lamp (amber)
7. General alarm warning lamp (red)
8. ABS warning light (amber)

## DIGITAL INSTRUMENTS

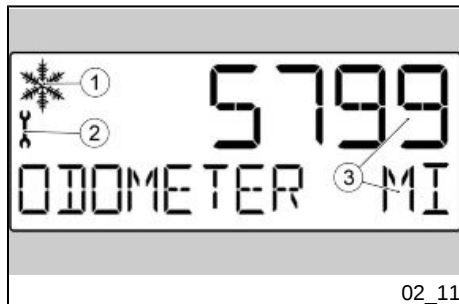


### Key:

1. Turn signal indicator lamp (green)
2. ABS warning light (amber)
3. DRL indicator light (green)
4. High beam indicator lamp (blue)
5. Amber low fuel warning light (yellow)
6. Neutral gear warning light (green)
7. MI engine alarm warning lamp (amber)

## Digital LCD Display (02\_11, 02\_12, 02\_13, 02\_14, 02\_15, 02\_16, 02\_17, 02\_18)

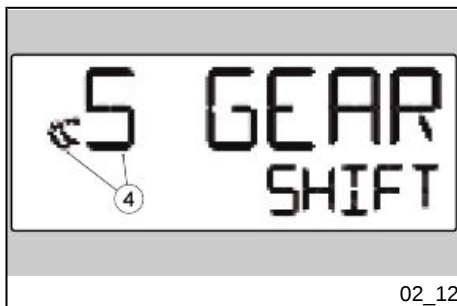
### ANALOGUE INSTRUMENTS



- By turning the ignition key to "ON", the system works as follows:
  - all indicator lamps illuminate simultaneously for three seconds (lamp check);
  - it resets the position of all the needles, which afterwards go to the bottom of the scale and return to zero;
  - the backlight is temporarily set to maximum brightness;
  - all indicator lamps are extinguished (except active indicator lamps), the brightness setting set previously by the user is restored and the normal display mode is restored.

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

- 1) Ice warning alarm (displayed at temperatures equal to or below 37.4°F / 3°C)
- 2) Maintenance icon

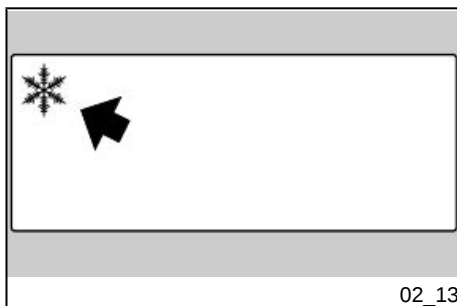


02\_12

3) Trip computer log or alarms stored

4) Gear selected (calculated) (\*)

(\*) The selected gear is calculated from the vehicle speed and engine speed values. If the clutch lever is applied or if the vehicle is stationary, this calculation is not possible and the symbol "-" is displayed.

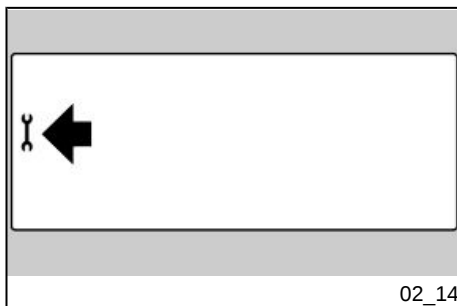


02\_13

### Ice warning alarm

The ice symbol is shown at the top left of the LCD display if the external temperature is 37.4°F / 3°C or lower. Ride with extreme care.

When this temperature rises the symbol will disappear.



02\_14

### Maintenance icons

- The system displays the function as follows:  
- After the maintenance interval thresholds are exceeded (excepting the first), an icon with the adjustable wrench symbol is shown on the LCD display.
- Consult an Official **Moto Guzzi** Dealer to reset Service.

## DIGITAL INSTRUMENTS



02\_15

- By turning the ignition key to "ON", the system works as follows:
  - it activates the entire instrument panel for three seconds (lamp check);
  - the backlight is temporarily set to maximum brightness;
  - all indicator lamps are extinguished (except active indicator lamps), the brightness setting set previously by the user is restored and the normal display mode is restored.

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

- 1) Engine rpm (rpm x1000);
- 2) Speed (speedometer) (displayed in mph or Km/h);
- 3) Gear selected (calculated) (\*)
- 4) Trip computer log or any alarms;
- 5) Ambient temperature (shown in °F or °C);
- 6) Heated handles icon (if present)
- 7) Service icon;
- 8) Tyre pressure icon (if present);
- 9) MGCT icon;
- 10) Ice warning alarm (displayed at temperatures equal to or below 37.4°F / 3°C
- 11) General alarm icon;
- 12) Clock (shown in 12-hour format, without AM/PM indication);

**If the MIA ECU is fitted:**

- 13) Data link with smartphone icon;
- 14) First and second headset connection icon;
- 15) Smartphone battery level indicator;
- 16) Voice call management icon.

(\*) The selected gear is calculated from the vehicle speed and engine speed values. If the clutch lever is operated or if the vehicle is stationary, this calculation cannot be performed.



02\_16

### Clock (Clock)

Unit of measurement for the counter: hours and minutes (hh:mm) in 12-hour format, without the AM/PM indication

- The value is stored
- The value is reset every time the battery is reconnected
- The value is displayed as shown in the figure:



02\_17

### Ice warning alarm

If the ambient temperature is equal to or below 37.4°F / 3°C or below, the ice symbol will be displayed next to the speedometer. Therefore, drive very carefully.

When this temperature rises the symbol will disappear.



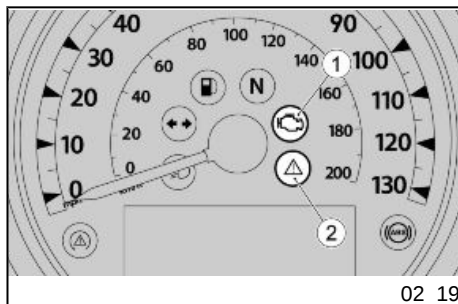
02\_18

### Maintenance icons

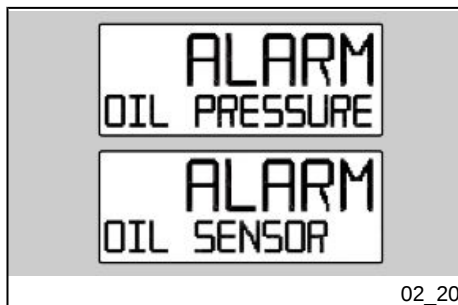
- The system displays the function as follows:
  - when a maintenance interval threshold is exceeded, an icon with an adjustable wrench is shown on the LCD display.
- Consult an Official **Moto Guzzi** Dealer to reset Service.

## Alarms (02\_19, 02\_20, 02\_21, 02\_22, 02\_23, 02\_24, 02\_25, 02\_26, 02\_27)

### ANALOGUE INSTRUMENTS



If the instrument panel or ECU detect a digital display fault, when alarm descriptions are displayed, the warning lamp MI (1) and the general alarm warning lamp (2) also illuminate.



### Oil pressure and Oil sensor

In the event of an oil pressure fault or if the oil pressure sensor is disconnected, the message "ALARM OIL PRESSURE" or "ALARM OIL SENSOR" is shown on the display. The general alarm warning lamp (2) lights steadily if the fault is relative to the oil pressure sensor, and flashes if the alarm is relative to oil pressure.

### IMPORTANT

**ALARM OIL PRESSURE: IN CASE OF INSUFFICIENT PRESSURE, THE WARNING LIGHT FLASHES. SWITCH OFF THE ENGINE IMMEDIATELY AND TAKE THE MOTORCYCLE TO AN Official Moto Guzzi Dealer USING A ROADSIDE ASSISTANCE VEHICLE.**

**ALARM OIL SENSOR: IN CASE OF FAULT OF THE OIL PRESSURE SENSOR, THE WARNING LIGHT REMAINS ON STEADY. AS SOON AS POSSIBLE BRING THE MOTORCYCLE TO AN Official Moto Guzzi Dealership.**

When an alarm is shown on the display, press the "MODE" button to return to the trip journal information display mode. After 10 seconds, the information relative to the alarm displayed beforehand returns to the foreground on the digital display.

## DIGITAL INSTRUMENTS

If the instrument panel or ECU detect a fault, the digital display shows the descriptions of the alarm types and the general alarm icon lights up as well (if present).

### SERVICE ALARM

In the event the instrument panel or electronic control unit detect a fault, the message "SERVICE" is shown on the display and the general alarm icon lights up.



### Oil pressure fault

If a fault is detected with the oil pressure, the digital display shows "ALARM OIL PRESSURE".

### IMPORTANT

THE INDICATION IS ACCOMPANIED BY THE GENERAL WARNING LIGHT ICON FLASHING.





**STOP THE VEHICLE AND CONTACT AN Approved Moto Guzzi dealer AS SOON AS POSSIBLE.**

#### Oil sensor fault

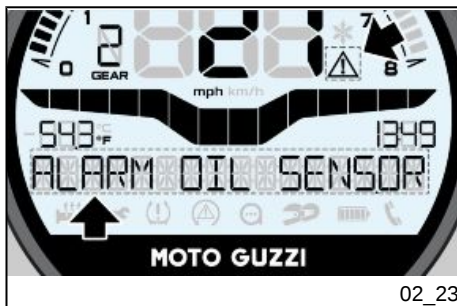
If a fault is detected at the oil pressure sensor, the digital display shows the "ALARM OIL SENSOR" text.

#### IMPORTANT

**THE INDICATION IS ACCOMPANIED BY THE GENERAL WARNING LIGHT ICON FLASHING.**

#### WARNING

**TAKE YOUR VEHICLE TO AN Official Moto Guzzi Dealer AS SOON AS POSSIBLE.**



#### MGCT disabled alarm

The MGCT system disabling alarm is activated when there is a problem that can cause the system itself to be disabled. The display indicates this anomaly by showing the "ALARM MGCT OFF" text and by activating the flashing MGCT icon.

#### WARNING

**DRIVE CAREFULLY AND CONTACT AN Official Moto Guzzi Dealer AS SOON AS POSSIBLE.**





### ELECTRONIC CONTROL UNIT DISCONNECTED ALARM

If no connection is detected, the instrument panel indicates this anomaly by displaying the "ALARM ECU DISC" text.



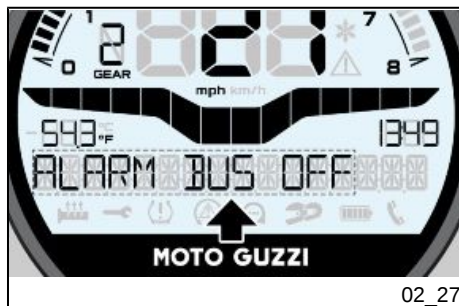
### CAN line disconnection from the light switch alarm

The alarm regarding the disconnection of the LH light switch interface line is activated when there may be a problem that causes the disabling of the light switch. The display shows this fault by showing the "ALARM CMD DISC." text

This error causes the malfunctioning of the arrows and heated handles (if present).

#### WARNING

**DRIVE CAREFULLY AND CONTACT AN Official Moto Guzzi Dealer AS SOON AS POSSIBLE.**



### CAN line data transmission alarm

If no data transmission from the CAN line is detected, the instrument panel indicates this fault by showing the "ALARM BUS OFF" text.

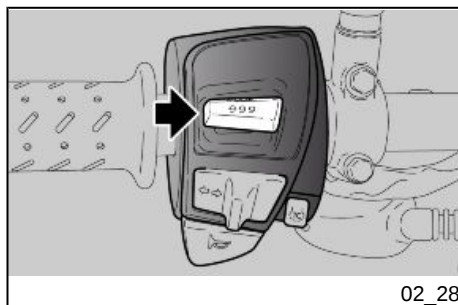
#### WARNING

**DRIVE CAREFULLY AND CONTACT AN Official Moto Guzzi Dealer AS SOON AS POSSIBLE.**

When an alarm is shown on the display, press the "MODE" button to return to the trip journal information display mode. After 10 seconds, the information relative to the alarm displayed beforehand returns to the foreground on the digital display.

## Control Buttons (02\_28, 02\_29, 02\_30, 02\_31, 02\_32, 02\_33, 02\_34, 02\_35, 02\_36, 02\_37, 02\_38, 02\_39, 02\_40, 02\_41, 02\_42, 02\_43, 02\_44, 02\_45, 02\_46, 02\_47)

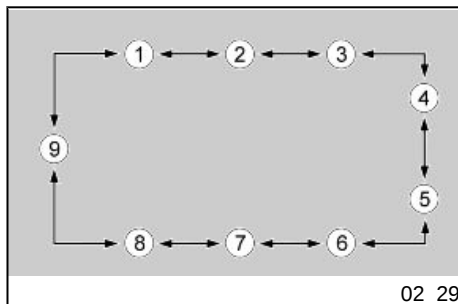
### ANALOGUE INSTRUMENTS

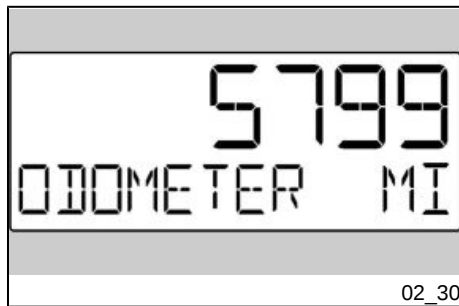


- Press the "MODE" selector briefly up or down to scroll between the menu options.
- Press the "MODE" selector to reset the trip journal parameter or confirm the selected parameter.

Press the selector to cycle through the following functions in sequence:

- 1) TOTAL ODOMETER (ODOMETER)
- 2) TRIP ODOMETER "1" (TRIP)
- 3) TRIP ODOMETER "2" (TRIP)
- 4) RIDING TIME (TIME)
- 5) AVERAGE SPEED (AVERAGE)
- 6) AVERAGE FUEL CONSUMPTION (AVG FUEL)
- 7) CURRENT FUEL CONSUMPTION (FUEL)
- 8) EXTERNAL TEMPERATURE (TEMP)
- 9) CLOCK (CLOCK)





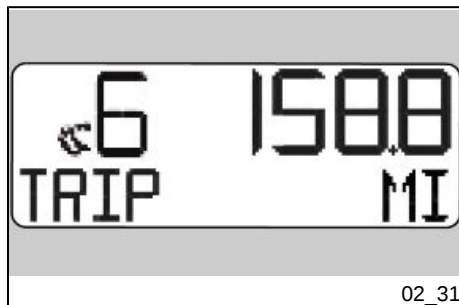
### Total odometer (Odometer)

Unit of measurement for the counter: Miles or Km.

- View: on LCD display.

- This value is stored permanently.
- It cannot be reset.
- Selected gear cannot be displayed (gear is calculated by system).
- The total odometer mode is as shown in the figure:

- once the value reaches 999999, the odometer count does not reset to zero.



### Trip odometer (Trip/Trip D)

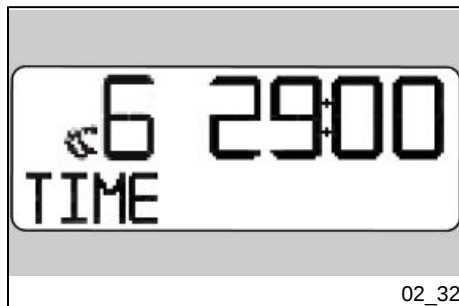
Unit of measurement for the counter: Miles or Km.

- View: on LCD display.

- This value is stored.
- Press and hold down the "MODE" button to reset the "TRIP" and "TRIP D" trip odometer values. "TRIP D" is also reset eight after ignition off.
- The trip odometer display mode is as shown in the figure:

- the message "TRIP" or "TRIP D" is shown;

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



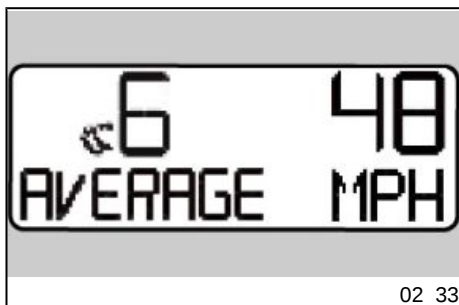
### Riding time (Time)

Unit of measurement for the counter: hours and minutes (hh:mm).

- View: on LCD display.

- This value is stored.
- Press and hold down the "MODE" button to reset the counter. Disconnecting and reconnecting the battery also resets the counter.
- This parameter is displayed as shown in the figure:

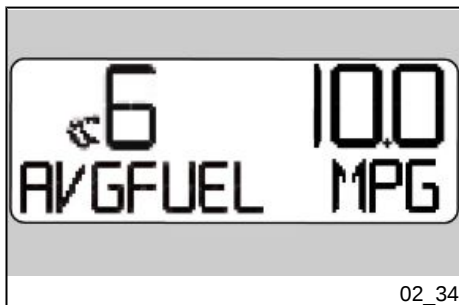
- the message "TIME" is displayed.



### Average speed (Average)

Unit of measurement for the counter: mph or Km/h.

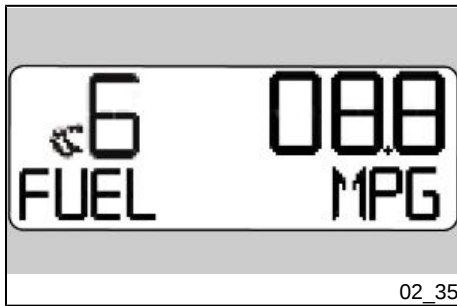
- View: on LCD display.
  - This value is stored.
  - Press and hold down the "MODE" button to reset the counter. Disconnecting and reconnecting the battery also resets the counter.
  - This parameter is displayed as shown in the figure:
- the message "AVERAGE MPH" or "AVERAGE KM/H" is displayed.



### Average fuel consumption (Avg fuel)

Unit of measurement for the counter: US mpg or IMP mpg or Km/l or L/100 km

- View: on LCD display.
  - This value is stored.
  - Press and hold down the "MODE" button to reset the value.
  - This parameter is displayed as shown in the figure:
- the message "AVERAGE MPG", "AVERAGE KM/L" or "AVERAGE L/100" is displayed.



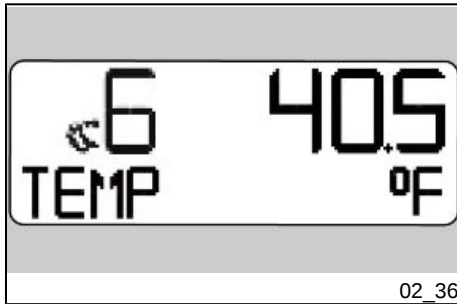
### Current fuel consumption (Fuel)

Unit of measurement for the counter: US mpg or IMP mpg or Km/l or L/100 km

- View: on LCD display.

- The value is reset to 0.0 at each key-on
- This parameter is displayed as shown in the figure:

- the message "FUEL MPG", "FUEL KM/L" or "FUEL L/100" is displayed.



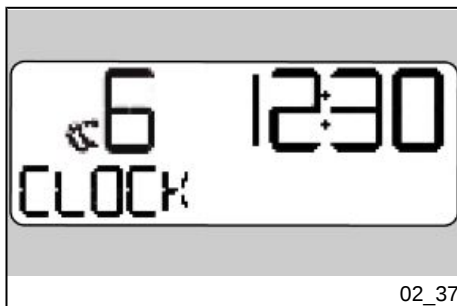
### External temperature

Units of measurement: °F or °C.

- View: on LCD display.

The displayable range is 5 / 122 °F (-15 / +50 °C).

- If the temperature is below 5 °F (-15 °C), the symbol "-" is shown steadily on the LCD display.
- If the value is between 5 °F (-15°C) and 122 °F (+50 °C), the correct value is shown steadily on the display.
- If the temperature is equal to or below 37.4 °F (+3 °C), the "ICE WARNING ALARM" symbol is shown on the LCD display.



02\_37

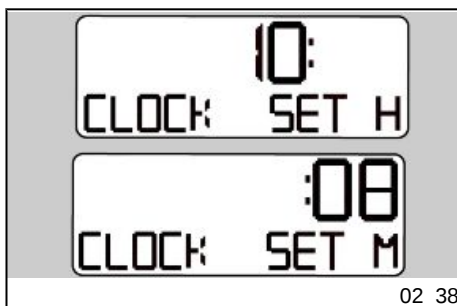
### Clock (Clock)

Unit of measurement for the counter: hours and minutes (hh:mm)

- View: on LCD display.

- This value is stored.
- The data is reset when reconnecting the battery.
- This parameter is displayed as shown in the figure:

- the message "CLOCK" is displayed.



02\_38

### Set clock

The clock time is set from the "CLOCK" function. Press and hold down the "MODE" button to access the function. Each time it is pressed, the time changes. After reaching 12, the display goes back to 1 next time the button is pressed.

Press and hold down the "MODE" button to store the value and select minute adjustment mode.

Each time the "MODE" button is pressed and quickly released increases or decreases the minutes value by one unit. After reaching 59, the display goes back to 0 next time the button is pressed.

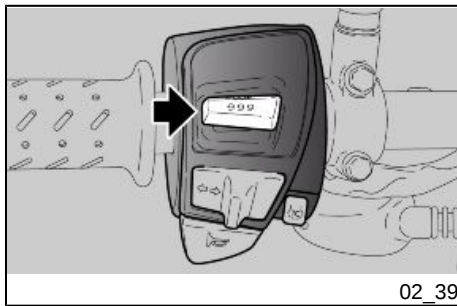
Press and hold down the "MODE" button to exit the function. Alternatively, the system exits the function once vehicle speed exceeds 3.11 mph (5 Km/h).

### IMPORTANT

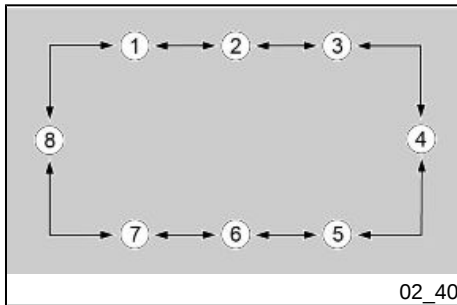


**FOR THE SAFETY OF THE RIDER AND PASSENGER, THESE PROCEDURES ARE ONLY POSSIBLE WITH THE VEHICLE AT A STANDSTILL.**

### DIGITAL INSTRUMENTS



02\_39



02\_40



02\_41

- Press the "MODE" selector briefly up or down to scroll between the menu options.
- Press the "MODE" selector to reset the trip journal parameter or confirm the selected parameter.

Press the selector to cycle through the following functions in sequence:

- 1) TOTAL ODOMETER (ODOMETER)
- 2) TRIP ODOMETER "1" (TRIP)
- 3) TRIP ODOMETER "2" (TRIP)
- 4) RIDING TIME (TIME)
- 5) AVERAGE SPEED (AVERAGE)
- 6) AVERAGE FUEL CONSUMPTION (AVG FUEL)
- 7) CURRENT FUEL CONSUMPTION (FUEL)
- 8) TRACTION CONTROL (MGCT)

### Total odometer (Odometer)

Unit of measurement for the counter: Miles or Km.

- This value is stored permanently.
- It cannot be reset.
- Once the value reaches "999999", it can no longer be reset to zero.
- The total odometer mode is as shown in the figure:



02\_42

### Trip odometer (Trip/Trip D)

Unit of measurement for the counter: Miles or Km.

- This value is stored.
- Press and hold down the "MODE" button to reset the "TRIP" and "TRIP D" trip odometer values. Only the selected "TRIP" is reset upon deletion.
- "TRIP D" is automatically reset eight hours after the ignition is switched off.
- If the value exceeds "999.9", the counter is reset and starts from "0.0" again.
- The trip odometer display mode is as shown in the figure:

- the message "TRIP" or "TRIP D" is shown;



02\_43

### Riding time (Time)

Unit of measurement for the counter: hours and minutes (hh:mm).

- This value is stored.
- Press and hold down the "MODE" button to reset the counter. Disconnecting and reconnecting the battery also resets the counter.
- This parameter is displayed as shown in the figure:



02\_44

### Average speed (Average)

Unit of measurement for the counter: mph or Km/h.

- This value is stored.
- Press and hold down the "MODE" button to reset the counter. Disconnecting and reconnecting the battery also resets the counter.
- This value is displayed as shown in the figure:



### Current fuel consumption (Fuel)

Unit of measurement for the counter: US mpg or IMP mpg or Km/l or L/100 km

- The value is reset to 0.0 at each key-on
  - This value is displayed as shown in the figure:
- the message "FUEL MPG", "FUEL KM/L" or "FUEL L/100" is displayed.



### Average fuel consumption (Avg fuel)

Unit of measurement for the counter: US mpg or IMP mpg or Km/l or L/100 km

- This value is stored.
- Press and hold down the "MODE" button to reset the value.
- This parameter is displayed as shown in the figure:

- the message "AVERAGE MPG", "AVERAGE KM/L" or "AVERAGE L/100" is displayed.



### Traction control (MGCT)

The currently used "MGCT" traction control level can be viewed and selected in this menu section.

By briefly pressing the "MODE" button, the following 3 items can be scrolled:

- "MGCT DISABLED"
- "MGCT 1"
- "MGCT 2"

By keeping the "MODE" pressed, the currently viewed level will be selected.

**NOTE**

The item "MGCT DISABLED" means that no traction control level will be used. Drive carefully when using this setting.

**IMPORTANT**

**FOR THE SAFETY OF THE RIDER AND PASSENGER, THESE PROCEDURES ARE ONLY POSSIBLE WITH THE VEHICLE AT A STANDSTILL.**

**Advanced Functions (02\_48, 02\_49, 02\_50, 02\_51, 02\_52, 02\_53, 02\_54, 02\_55, 02\_56, 02\_57, 02\_58, 02\_59, 02\_60, 02\_61, 02\_62, 02\_63, 02\_64, 02\_65, 02\_66, 02\_67, 02\_68, 02\_69)**

**ANALOGUE INSTRUMENTS****Trip Fuel "Distance travelled in reserve"**

This function counts and displays the distance travelled in "mi or km" with the vehicle in fuel reserve.

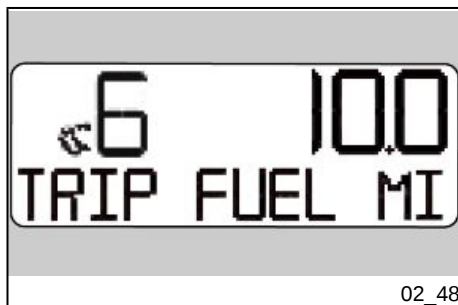
When the low fuel warning light turns on:

- the "TRIP FUEL" counter appears on the LCD display after 1.24 mi (2 Km);
- pressing the "MODE" selector again returns to the trip journal display mode.

If the ignition key is set to "ON":

- the "TRIP FUEL" counter is not displayed the first sixty seconds (reserve level sensor stabilisation). Once this period has elapsed, the "TRIP FUEL" counter is displayed automatically. The "TRIP FUEL" counter is displayed as shown in the figure:

- the message "TRIP FUEL" appears;



02\_48



- the initial value is "0.0".

### **Backlight "Instrument backlighting adjustment"**

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

This parameter may be adjusted during the initial check cycle. Press the centre of the "MODE" selector briefly to access the function. Press the "MODE" selector up or down to cycle through the three levels available:

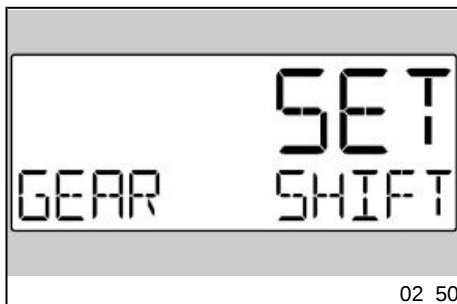
- 1 (Minimum)
- 2 (Medium)
- 3 (Maximum)

After three seconds with no input from the "MODE" selector, or once the vehicle speed exceeds 3.11 mph (5 Km/h), the value is stored and the display returns to trip journal mode.

### **Instrument panel configuration**

Press and hold the centre of the "MODE" when in "ODOMETER" mode to access the following advanced functions:

- 1) Gear shift indicator threshold (SET GEAR SHIFT)
- 2) Change user code (USER CODE MODIFICATION)
- 3) Recover user code (USER CODE RECOVERY)
- 4) Change odometer unit of measurement (SELECT UNIT (mi - Km))
- 5) Change consumption indicator unit of measurement (SELECT UNIT (US mpg - IMP mpg - L/100 - Km/L))
- 6) Change thermometer unit of measurement (SET UNIT °F - °C)



02\_50

### Gear Shift "gear shift indicator threshold"

The gear shift indicator threshold is set in this mode.

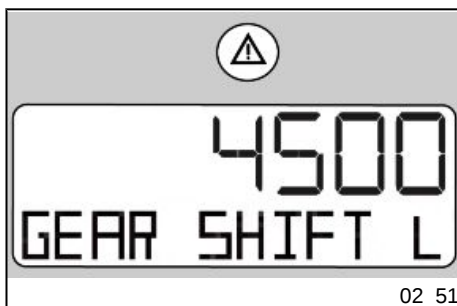
Press and hold the "MODE" selector to access the setting mode from the menu. Press the "MODE" selector up or down to select the required setting.

- SET GEAR SHIFT L: 4500 rpm (run-in revolutions)
- SET GEAR SHIFT H: 8000 rpm

For each threshold setting, each upward press of the selector increases the value by 100 rpm, and each downward press decreases the value by 100 rpm. Press and hold the "MODE" selector to save the value set, exit the mode and return to the configuration menu.

At the first key-on after setting, the instrument panel applies the last value set. When the engine speed threshold set is exceeded, the message "GEAR SHIFT" is shown on the display and the general alarm warning lamp lights. The general alarm warning lamp flashes when the lower threshold value is exceeded, and lights steadily when the upper threshold is exceeded. The general alarm warning lamp extinguishes once the engine speed drops below the threshold set.

The number of maximum engine revisions is 6800 rpm.



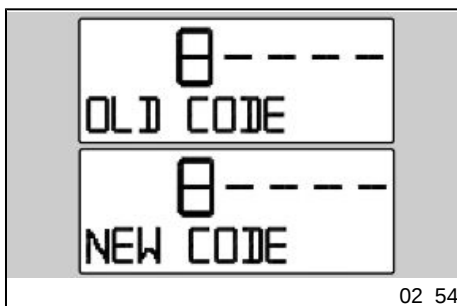
02\_51



02\_52



02\_53



02\_54



02\_55

### User Code Modification "Change user code"

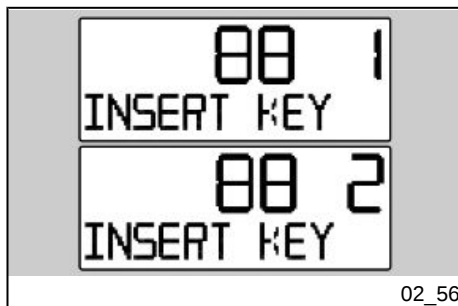
The user code enables engine start even in the event of an immobiliser system fault. The user code is set by default as five zeros (00000) on a new vehicle, and the message "INSERT YOUR PERSONAL CODE" is shown on the display for ten seconds. The "USER CODE MODIFICATION" function may be used to change the code and stop the message from being displayed. The value displayed for the figure on the furthest left hand side of the LCD cycles between 0 and 9. Press the centre of the "MODE" selector briefly to confirm each of the five figures. Once the code is confirmed, the new code is shown steadily on the display to let the user verify that the code has been entered correctly. Turn the ignition off and then on again to unlock the dashboard.

The last code set may be modified again in future. Access the setting mode again, enter the last user code used (OLD CODE), then enter a new user code (NEW CODE) as described previously.

### User Code Recovery "Recover user code"

This function must be used should it be necessary to change the user code when the user no longer remembers the current code. Both keys stored in the vehicle memory are needed to access this function.

Press and hold down the "MODE" selector to activate the function. The message "INSERT KEY 1" is shown on the display, requesting identification of the first key. Insert the key. If the correct key is recognised within twenty seconds, the message "INSERT KEY 2" is shown on the display. Insert the second key. If the second key is also recognised within twenty seconds, the dashboard resets the user code to the default code (five zeros - 00000). Enter the new user code following the "SET CODE MODIFICATION" procedure.



02\_56

### Select unit (mi/Km) "Change odometer unit of measurement"

From this mode, press the "MODE" selector up or down briefly to toggle the unit of measurement used between miles or Km. The modified selection is effective on all instrument panel functions using these units of measurement.

### Select unit (US mpg - IMP mpg - L/100 - Km/L) "Change consumption indicator unit of measurement"

From this mode, press the "MODE" selector up or down briefly to toggle the unit of measurement used between "US mpg - IMP mpg - L/100 - Km/L". The modified selection is effective on all instrument panel functions using these units of measurement.

### Set unit °F - °C "Change thermometer unit of measurement"

This function is used to select the unit of measurement for ambient temperature. From this mode, press the "MODE" selector up or down briefly to toggle between the two units of measurement available:

- °F
- °C

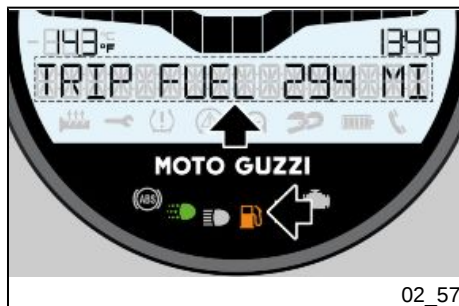
Press and hold the "MODE" selector to save the setting. The instrument panel returns to "ODOMETER" mode.

#### IMPORTANT



**FOR THE SAFETY OF THE RIDER AND PASSENGER, THESE PROCEDURES ARE ONLY POSSIBLE WITH THE VEHICLE AT A STANDSTILL.**

#### DIGITAL INSTRUMENTS



##### Trip Fuel "Distance travelled in reserve"

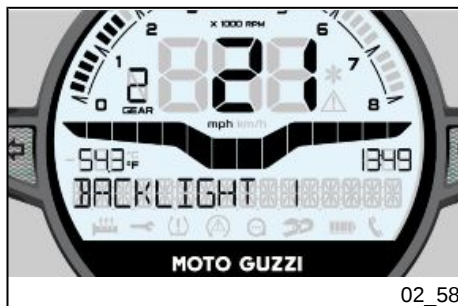
This function counts and displays the distance travelled in "mi or km" with the vehicle in fuel reserve.

When the low fuel warning light turns on:

- the "TRIP FUEL" counter appears in the trip log after 1.24 mi (2 Km);
- by pressing the "MODE" button, any other item of the trip log can be viewed, but after 60 sec. the log automatically returns to "TRIP FUEL".

If the ignition key is set to "ON":

- the "TRIP FUEL" counter is not displayed the first sixty seconds (reserve level sensor stabilisation). Once this period has elapsed, the "TRIP FUEL" counter is displayed automatically.
  - This value is displayed as shown in the figure:
- the initial value is "0.0".



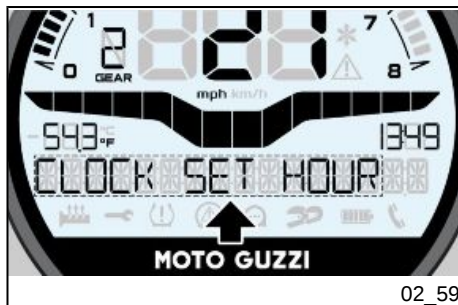
### Backlight "Instrument backlighting adjustment"

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

This parameter may be adjusted during the initial check cycle. Short-press the "MODE" button and to access the function. Press the "MODE" button to display the following levels:

- 1 (Minimum)
- 2 (Medium)
- 3 (Maximum)

After three seconds with no input from the "MODE" button, or once the vehicle speed exceeds 3.11 mph (5 Km/h), the value is stored and the display returns to trip journal mode.



### Set clock

In the "CLOCK SET" function the clock value can be set. Press and hold the "MODE" selector to access the function. Scroll up or down with the "MODE" selector to adjust the hour value. When the value 12 is reached, it returns to 1.

Press and hold down the "MODE" button to store the value and select minute adjustment mode.

Scroll up or down with the "MODE" selector to adjust the minutes value. When the value 59 is reached, it returns to 0.

The procedure is completed by keeping the "MODE" button pressed. Alternatively, the system exits the function once the vehicle speed exceeds 3.11 mph (5 Km/h).



02\_60



02\_61



02\_62

### Gear Shift "gear shift indicator threshold"

This mode allows setting the minimum "GS L" value and the "GS H" value of the gearshift threshold. It is possible to switch from minimum to maximum by keeping the "MODE" button pressed.

By pressing the "MODE" button shortly, the rpm value increases by 100 rpm at a time; once the maximum value is reached, it restarts from the initial value. The operation is completed by keeping the "MODE" button pressed to save the set value set and the set-up menu page will be displayed.

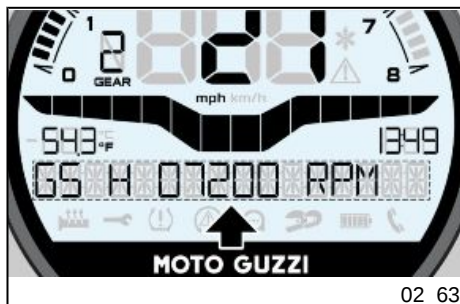
- GS L: 4,500 rpm (run-in revolutions)
- GS H: 7200 rotations/min (rpm) (maximum number of rotations admitted by the ECU)

Every time the battery is connected, the instrument panel is set to the most recent set value.

Once the set threshold is exceeded, the display will show the "GEAR SHIT" text and the "MOTO GUZZI" logo will flash at the same time. The frequency varies based on the exceeded threshold:

- GS L: lower frequency flashing
- GS H: higher frequency flashing

Once the rpm value returns below the set threshold, the "GEAR SHIFT" text and the "MOTO GUZZI" flashing disappear.



### User Code Modification "Change user code"

The user code enables engine start even in the event of an immobiliser system fault. The user code is set by default as five zeros (00000) on a new vehicle, and the message "INSERT PERSONAL CODE" is shown on the display. The "USER CODE MODIFICATION" function can be used to change the code and stop the message from being displayed. The function can be accessed by keeping the "MODE" selector pressed, where the five-digit code can be set by scrolling up or down with the selector. The value can be confirmed by briefly pressing the selector, until the five digits are set. Once the last digit is confirmed, the display will show the code in a steady manner, for the user to check the entered code. Turn the ignition off and then on again to unlock the dashboard.

The last entered code can be changed by accessing the setting again. Enter the last user code saved (OLD CODE), then enter a new user code (NEW CODE) as previously described.

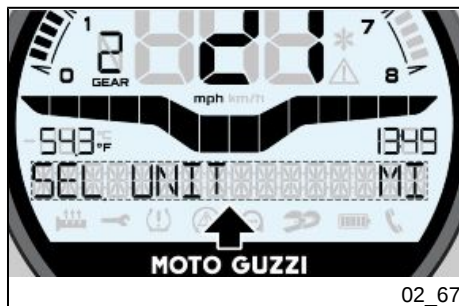


02\_66

### User code recovery "Recover user code"

This function is used to change the user code if the currently memorised code on the vehicle is not available. However, both stored keys are required.

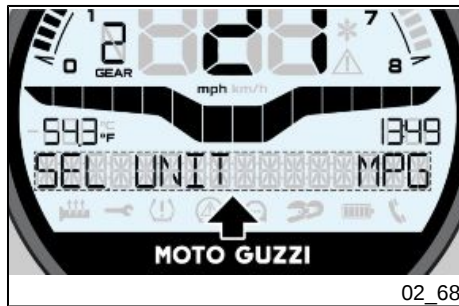
After the function is activated, by keeping the "MODE" selector pressed, the "20 INSERT KEY 1" text is shown and the 20 second countdown will start. Enter the first key before the countdown is over and if it is recognised, the display will show the "20 INSERT KEY 2" text and the countdown will start again. Insert the second key before the countdown is over. If the second key is also recognised, the instrument panel resets the user code to the default code of five zeros (00000). Enter the new user code according to the description in the "USER CODE MODIFICATION" function.



02\_67

### Select unit (mi/Km) "Change odometer unit of measurement"

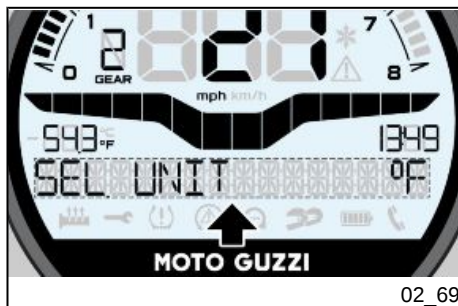
From this function, scroll the "MODE" selector up or down to toggle the unit of measurement between "mi or Km". The modified selection is effective on all instrument panel functions using these units of measurement.



02\_68

### Select unit (US mpg - IMP mpg - L/100 - Km/L) "Change consumption indicator unit of measurement"

From this function, scroll the "MODE" selector up or down to toggle the unit of measurement used between "US mpg - IMP mpg - L/100 - Km/L". The modified selection is effective on all instrument panel functions using these units of measurement.



### Set unit °C - °F "Change thermometer unit of measurement"

This function is used to select the unit of measurement for ambient temperature. From this function, scroll the "MODE" selector up or down to show the two units of measurement:

- °F

- °C

Press and hold down the "MODE" button to save the selected value. The instrument panel returns to the "TOTAL ODOMETER (ODOMETER)" screen.

### IMPORTANT



**FOR THE SAFETY OF THE RIDER AND PASSENGER, THESE PROCEDURES ARE ONLY POSSIBLE WITH THE VEHICLE AT A STANDSTILL.**

## Ignition Switch (02\_70)

The ignition switch is located on the headstock upper plate.

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

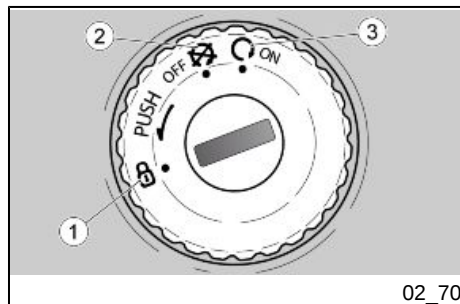
The lights switch off when the ignition switch is set to «OFF»

### 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

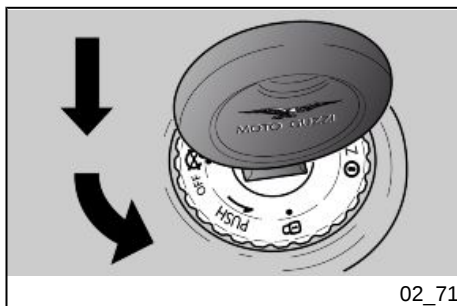
**OFF (2):** The engine and lights cannot be set to work. The key can be extracted.

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

### Locking the Handlebar (02\_71)

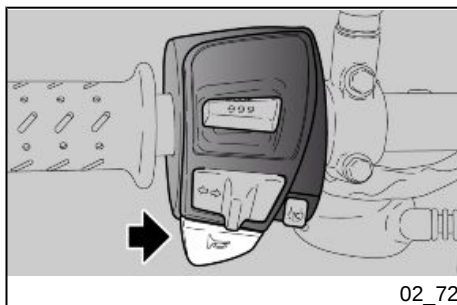


**TO AVOID LOSING CONTROL OF THE VEHICLE, NEVER TURN THE KEY TO "LOCK" WHILE RIDING.**



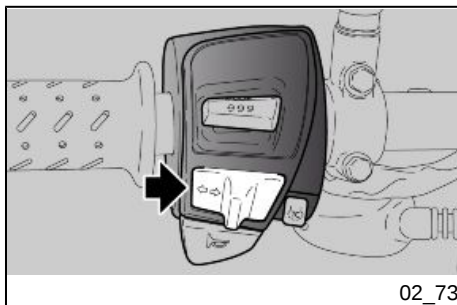
### To lock the steering:

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



### Horn Button (02\_72)

Press it to activate the horn.



## Turn Signal Selector (02\_73)

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.

### IMPORTANT

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

The turn indicators have a self-cancelling function that implements the following logic.

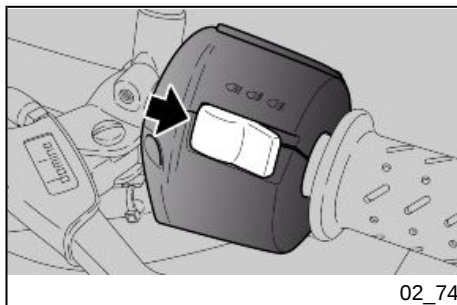
With the vehicle at standstill (speed = zero), the turn indicators continue flashing indefinitely.

With the vehicle in motion, the turn signals self-cancel when one the two following conditions is met:

- After a time (t) = 40 sec.
- After riding 0.31 mi (500 m)

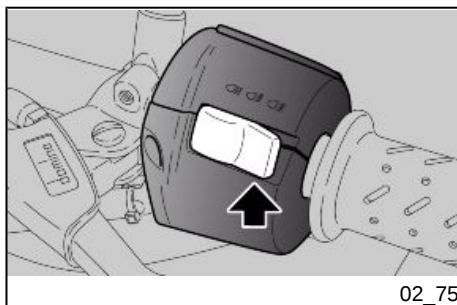
If the vehicle speed reaches zero during this period, the time and distance counts are reset and start again from zero when the vehicle starts moving once again.

Switching on the opposite side turn indicators without pressing the switch in the intermediate reset position causes both the time and distance counters to reset and recommence from zero.



### High/Low Beam Selector (02\_74)

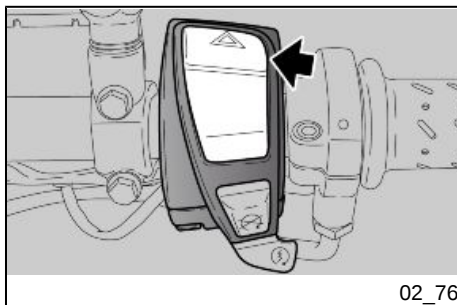
- the switch in the central position keeps the daylight running lights, the instrument panel lights and the low beam on.
- In the left hand position the high beam is activated.
- In the right hand position the high beam flashes in case of danger or emergency.



### Passing Button (02\_75)

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

Releasing the switch deactivates the high beam flash.



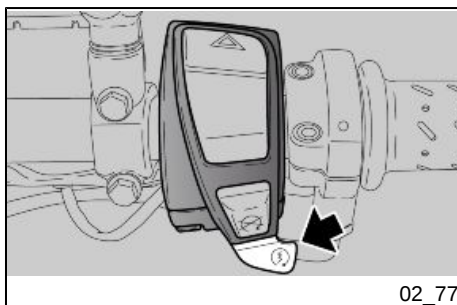
### Flasher button (02\_76)

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

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

### IMPORTANT

**IF A TURN INDICATOR IS SWITCHED ON WHILE THE HAZARD SYSTEM IS ACTIVE, THE HAZARD SYSTEM IS DISABLED TEMPORARILY UNTIL THE TURN INDICATOR IS RESET.**



### Start-up Button (02\_77)

- Press the button and the starter motor spins the engine.



**THE ENGINE CAN BE STARTED WITH RELEASED OR JUST TURNED THROTTLE CONTROL.**

## Engine Stop Switch (02\_78)

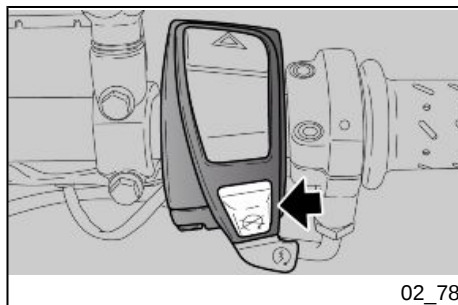
### IMPORTANT



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

It acts as a safety or emergency switch.

Press this switch to stop the engine.

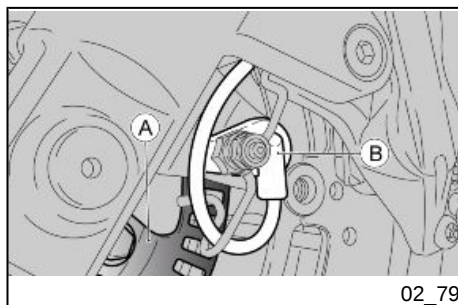


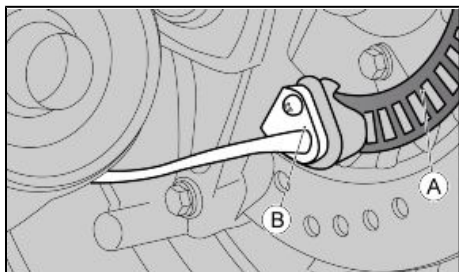
## ABS system (02\_79, 02\_80, 02\_81, 02\_82)

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

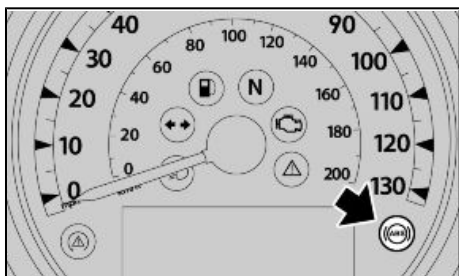
The ABS is a hydraulic/electronic device that reduces pressure in the braking circuit when a sensor placed on the wheels detects a tendency to lock by increasing vehicle stability during braking more than a conventional braking system and reduce the risk of falling.

The ABS system improves vehicle control provided that the physical limits of vehicle grip on the road are not exceeded. The rider is fully responsible for riding at a suitable speed based on weather and road conditions, always leaving an appropriate safety margin.

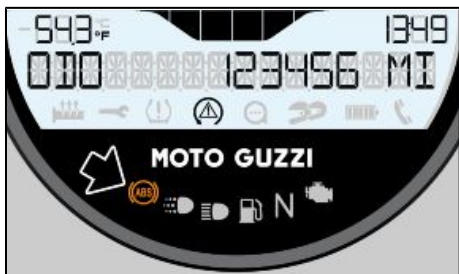




02\_80



02\_81



02\_82

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

#### A: Tone wheel

#### B: Speed sensor

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.

#### NOTE

**A PULSING SENSATION CAN BE FELT THROUGH THE FRONT BRAKE LEVER WHEN THE ABS SYSTEM IS ACTIVATED.**



**THE ANTI-LOCK BRAKING SYSTEM OF THE WHEEL DOES NOT PREVENT FALLS WHILE CORNERING.**

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

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

**IMPORTANT**

AT VERY LOW SPEEDS (LESS THAN 3.11 mph (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 3.11 mph (5 km/h), AT THIS POINT IT TURNS OFF.

**IMPORTANT**

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.

**IMPORTANT**

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



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

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



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

#### NOTE

AS THE a-PRC SYSTEM SENSORS READING THE TONE WHEELS ARE EXTREMELY SENSITIVE, A SPEED OF A FEW mph (km/h) MAY BE INDICATED ON THE DIGITAL DISPLAY WHEN THE MOTORCYCLE IS STATIONARY AND THE ENGINE IS RUNNING.

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



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

#### Characteristic

**Distance between tone wheel and front sensor**

0.012 - 0.079 in (0.3 - 2.00 mm)

**Distance between tone wheel and rear sensor**

0.012 - 0.079 in (0.3 - 2.00 mm)

## **MGCT system (Moto Guzzi Controllo Trazione) (02\_83, 02\_84, 02\_85, 02\_86)**

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 vehicle 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.

### **IMPORTANT**



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

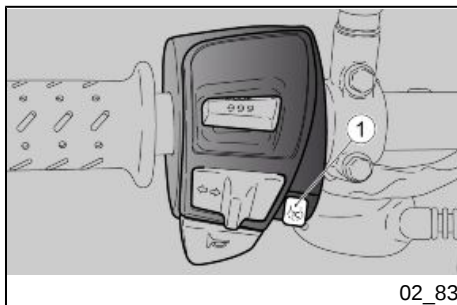
**ACCELERATING SUDDENLY WHILE THE VEHICLE IS INCLINED OR WITH THE HANDLEBARS TURNED WILL PUT THE VEHICLE IN AN UNSTABLE STATE THAT IS EXTREMELY DIFFICULT TO RECTIFY.**

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

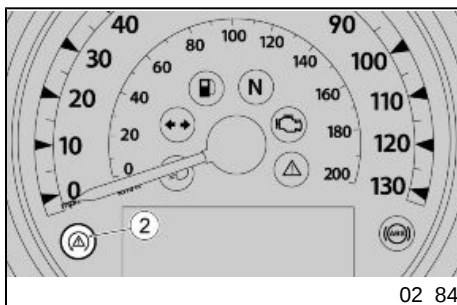
### **WARNING**

**THE MGCT SYSTEM IS BASED ON THE RECOGNITION OF SPEED DIFFERENCES BETWEEN FRONT AND REAR WHEEL. @@ FOR THE SYSTEM TO PERFORM CORRECTLY IN ALL CONDITIONS, THE PROCEDURE MUST BE PERFORMED EACH TIME A TYRE IS REPLACED EVEN IF ONLY ONE OF THE TYRES IS REPLACED.**

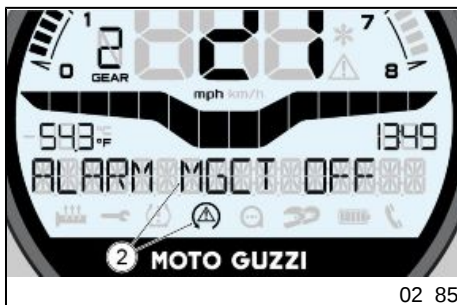
**FOR THE CALIBRATION OF THE CONTROL UNIT PERFORM THE PROCEDURE BELOW.**



02\_83



02\_84



02\_85

- **BUTTON (1) (with the engine running):** press and hold to activate / deactivate, press briefly to toggle between levels 1 and 2.
- **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 functioning correctly and is active (poor grip conditions, engine power limiting in effect); ride with extreme care, as the grip limit has been exceeded; restore the vehicle safety conditions by gently reducing the throttle opening.

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

- If the system was disabled deliberately by the user (by pressing and holding the on/off button (1) with the engine running), it is highly advisable 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 only be necessary if starting on very low grip surfaces (mud, snow, gravel) on which intervention of the MGCT could prevent the vehicle from moving.

#### Description of MGCT levels

The MGCT offers the user a choice of two levels (1 and 2):

- "1" Suitable for normal use with normal grip conditions. The response of the system is less invasive than in level "2".

- "2" Suitable for poor grip conditions, such as riding on wet roads or on slippery or particularly dirty tarmac. The response of the system is more invasive than in level "1".

#### IMPORTANT

**THE STATE OF THE MGCT SYSTEM CAN ONLY BE MODIFIED WHEN THE ENGINE IS RUNNING.**

**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 3.11 mph (5 km/h).

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

**WARNING**

AT EACH KEY-ON, THE MGCT SYSTEM IS RE-ACTIVATED AT THE LAST LEVEL SET.

IF DISABLED BY THE USER, THE MGCT SYSTEM KEEPS THE STATE OF IN-ACTIVITY ONLY IF THE VEHICLE IS OFF BY USING THE ENGINE STOP SWITCH (RUN-OFF); AT THE NEXT KEY ON, THE MGCT SYSTEM IS ENABLED AUTOMATICALLY AT THE LEVEL SET BEFORE IT WAS DEACTIVATED.

**IMPORTANT**

IT IS EMPHASISED THAT THE RIDING AUXILIARY SYSTEM CANNOT 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**

WHEN GOING OVER ROAD JOINTS, RAILS AND/OR ROADS FULL OF POT-HOLES, BRIEF ACTIVATION OF THE MGCT SYSTEM MAY OCCUR. SUCH EVENT APPEARS UNDER NORMAL OPERATION CONDITIONS OF THE VEHICLE.

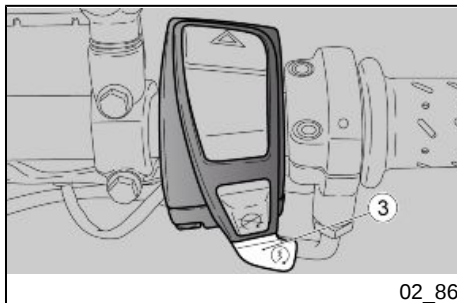
**IMPORTANT**

**A POOR STATE OF MAINTENANCE OF THE TYRES (PRESSURE TOO LOW OR FLAT TYRES/WEAR) CAN RESULT IN ABNORMAL OPERATION OF THE MGCT SYSTEM.**

**IN CASE OF REPEATED INTERVENTIONS OF THE MGCT SYSTEM, 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, DEACTIVATE THE MGCT SYSTEM AND CONTACT AN AUTHORIZED SERVICE CENTRE.**

**IMPORTANT**

**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.

**Check that the tyres are inflated to the correct pressure before calibrating the MGCT system.**

- Allow the engine to run in idle for at least 5 seconds.
- Check that the MGCT is activated at level 1 or 2. Otherwise, activate it.
- Pull the clutch lever while pressing the starter button (3) for at least 5 seconds. The activation of the process will be confirmed by the MGCT warning light (2) turning on with fast flashing.

- Accelerate to a constant speed of 18.64 mph (30 km/h) in second gear, and maintain this speed for at least 8 seconds.
- 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 the ignition key 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 2 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.

#### **IMPORTANT**

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

#### **Characteristic**

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

0.012 - 0.079 in (0.3 - 2.00 mm)

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

0.012 - 0.079 in (0.3 - 2.00 mm)

#### **MGCT system (Moto Guzzi Controllo Trazione) (02\_86, 02\_87, 02\_88, 02\_89, 02\_90)**

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 vehicle 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.

#### IMPORTANT



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

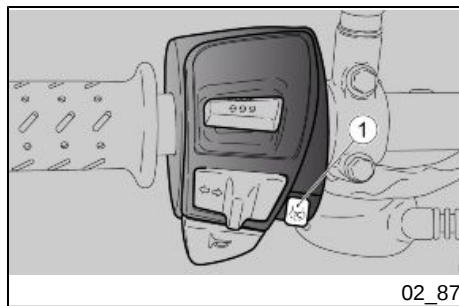
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**DO NOT SPEED RECKLESSLY. LIMITS OF GRIP ARE DETERMINED BY LAWS OF PHYSICS, WHICH EVEN THE MGCT SYSTEM CANNOT OVERCOME.**

#### WARNING

**THE MGCT SYSTEM IS BASED ON THE RECOGNITION OF SPEED DIFFERENCES BETWEEN FRONT AND REAR WHEEL. @@ FOR THE SYSTEM TO PERFORM CORRECTLY IN ALL CONDITIONS, THE PROCEDURE MUST BE PERFORMED EACH TIME A TYRE IS REPLACED EVEN IF ONLY ONE OF THE TYRES IS REPLACED.**

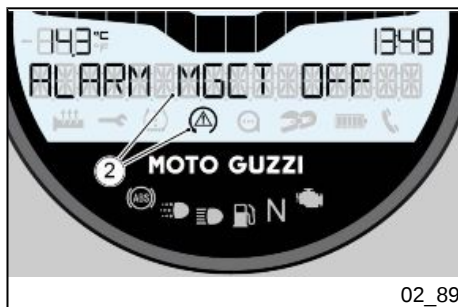
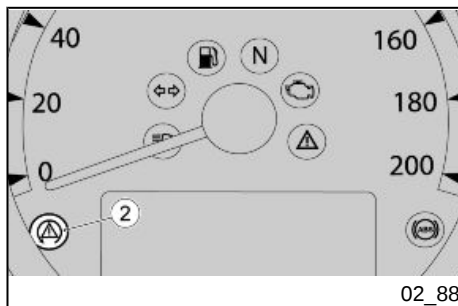
**FOR THE CALIBRATION OF THE CONTROL UNIT PERFORM THE PROCEDURE BELOW.**



- **BUTTON (1) (with the engine running):** press and hold to activate / deactivate, press briefly to toggle between levels 1 and 2.
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#### 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 functioning correctly and is active (poor grip conditions, engine power limiting in effect); ride with extreme care, as the



grip limit has been exceeded; restore the vehicle safety conditions by gently reducing the throttle opening.

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

- If the system was disabled deliberately by the user (by pressing and holding the on/off button (1) with the engine running), it is highly advisable 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 only be necessary if starting on very low grip surfaces (mud, snow, gravel) on which intervention of the MGCT could prevent the vehicle from moving.

### Description of MGCT levels

The MGCT offers the user a choice of two levels (1 and 2):

- "1" Suitable for normal use with normal grip conditions. The response of the system is less invasive than in level "2".
- "2" Suitable for poor grip conditions, such as riding on wet roads or on slippery or particularly dirty tarmac. The response of the system is more invasive than in level "1".

### IMPORTANT

**THE STATE OF THE MGCT SYSTEM CAN ONLY BE MODIFIED WHEN THE ENGINE IS RUNNING.**

### 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 (3.11 mph).**

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

**WARNING**

AT EACH KEY-ON, THE MGCT SYSTEM IS RE-ACTIVATED AT THE LAST LEVEL SET.

IF DISABLED BY THE USER, THE MGCT SYSTEM KEEPS THE STATE OF IN-ACTIVITY ONLY IF THE VEHICLE IS OFF BY USING THE ENGINE STOP SWITCH (RUN-OFF); AT THE NEXT KEY ON, THE MGCT SYSTEM IS ENABLED AUTOMATICALLY AT THE LEVEL SET BEFORE IT WAS DEACTIVATED.

**IMPORTANT**

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**NOTE**

WHEN GOING OVER ROAD JOINTS, RAILS AND/OR ROADS FULL OF POT-HOLES, BRIEF ACTIVATION OF THE MGCT SYSTEM MAY OCCUR. SUCH EVENT APPEARS UNDER NORMAL OPERATION CONDITIONS OF THE VEHICLE.

**IMPORTANT**

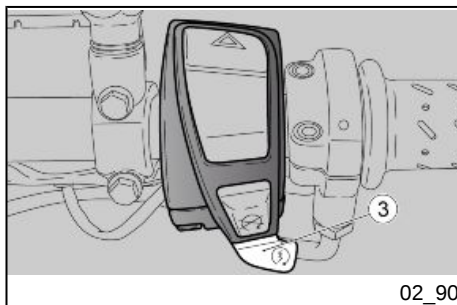
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#### IMPORTANT



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.

**Check that the tyres are inflated to the correct pressure before calibrating the MGCT system.**

- Allow the engine to run in idle for at least 5 seconds.
- Check that the MGCT is activated at level 1 or 2. Otherwise, activate it.
- Pull the clutch lever while pressing the starter button (3) for at least 5 seconds. The activation of the process will be confirmed by the MGCT warning light (2) turning on with fast flashing.
- Accelerate to a constant speed of 30 km/h (18.64 mph) in second gear, and maintain this speed for at least 8 seconds.
- 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 the ignition key 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 2 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.

### **IMPORTANT**

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

### **Characteristic**

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

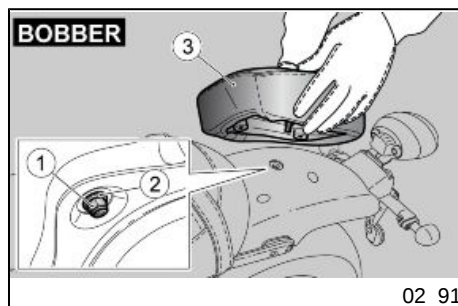
0.3 - 2.00 mm (0.012 - 0.079 in)

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

0.3 - 2.00 mm (0.012 - 0.079 in)

### **The saddle (02\_91)**

**(IF AVAILABLE)**



The vehicle is equipped with a passenger seat; to remove the passenger seat and transform the vehicle into a single-seater, procedure as follows:

- Unscrew and remove the nut (1) under the rear mudguard
- Retrieve the washer (2)
- Remove the passenger saddle (3)

**IMPORTANT**

AFTER REMOVING THE PASSENGER SEAT, USE THE BUTTON HEAD SCREW (M8X16 - SUPPLIED) AND THE NUT (2) TO SECURE THE REAR MUDGUARD CORRECTLY TO THE FRAME AS INDICATED IN FIGURE .

WHEN THE VEHICLE IS IN THE SINGLE SEATER CONFIGURATION IT CANNOT BE USED FOR CARRYING PASSENGERS.

### Opening the saddle (02\_92, 02\_93)

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

**IMPORTANT**

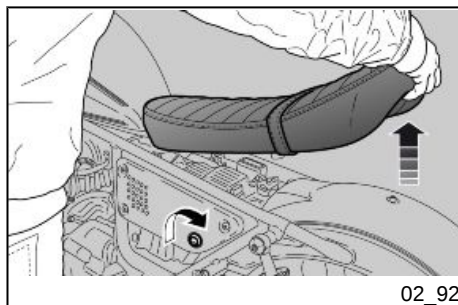
**BEFORE LOWERING AND LOCKING THE SADDLE, MAKE SURE THAT THE KEY HAS NOT BEEN LEFT INSIDE THE GLOVE BOX.**

#### To lock the saddle:

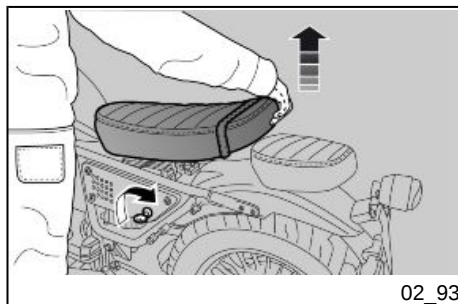
- Place the saddle's front part in its seat and lower the rear part.
- Press the rear part to trip the lock.



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



02\_92



02\_93

## Glove/tool kit compartment

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

## USB Port

At the right side of the motorcycle, near the steering column, is a USB plug.

To use it, remove the protection cap.



**TO PREVENT WATER AND/OR HUMIDITY FROM DAMAGING THE USB PORT, DO NOT CONNECT ANY DEVICES IN CASE OF RAIN.**



**THE SUPPLIED USB SOCKET IS COMPATIBLE WITH THE DEVICES OF THE FOLLOWING BRANDS: Apple iPhone, Apple iPod, Apple iPod Nano, Apple iPod Touch, Blackberry Pearl, Blackberry 8xxx AND NOT COMPATIBLE WITH THE DEVICES FOR THE PRODUCTS OF THE MOTOROLA BRAND.**



**IF A USB DEVICE IS CONNECTED, ENSURE THE CORRECT POSITIONING OF THE CABLE TO AVOID THAT IT WILL BE SMASHED.**

The USB port is active once the key is turned to «ON».

**WARNING**

PROLONGED USE OF THE USB PORT MAY PARTIALLY DRAIN THE BATTERY.

**USB PORT**

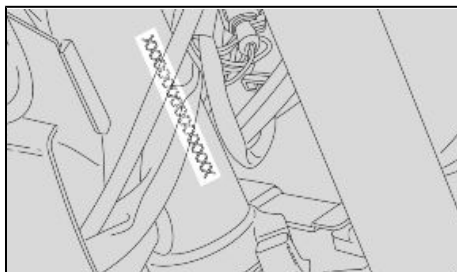
|                 |                  |
|-----------------|------------------|
| Output voltage: | (5.00+/-0.25) DC |
| Charge current  | 1A Max           |

**The identification (02\_94, 02\_95)**

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

**IMPORTANT**

**THE MODIFICATION OF THE IDENTIFICATION CODES IS A SERIOUS PUNISHABLE CRIME. HOWEVER, THE LIMITED WARRANTY FOR NEW VEHICLES WILL BE VOID IF THE VEHICLE IDENTIFICATION NUMBER (VIN) HAS BEEN MODIFIED OR NOT PROMPTLY DETERMINED.**

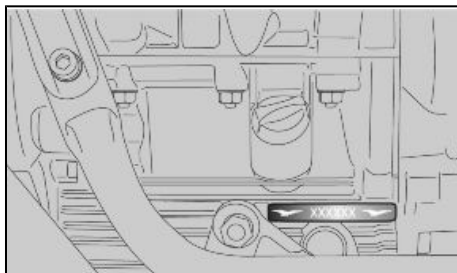


02\_94

**FRAME NUMBER**

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

Chassis No. ....



02\_95

**ENGINE NUMBER**

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

Engine No. ....

# V9



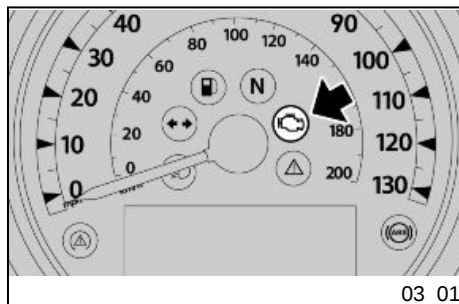
**Chap. 03**  
**Use**

## Checks (03\_01, 03\_02)

### IMPORTANT

**BEFORE DEPARTURE, 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             | Check that tyres are in good conditions. Check inflation pressure, tyre wear and potential damage.                                                                  |

Remove any possible strange body that might be stuck in the tread design.

|                   |                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brake levers      | <p>Check they function smoothly.</p> <p>Lubricate the joints and adjust the travel if necessary.</p>                                                                                                                  |
| Clutch lever      | <p>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.</p> |
| Steering          | <p>Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.</p>                                                                                                                   |
| Side stand        | <p>Check that it slides smoothly and that it snaps back to its rest position upon spring tension. Lubricate couplings and joints if necessary.</p>                                                                    |
| Clamping elements | <p>Check that the clamping elements are not loose.</p> <p>Adjust or tighten them as required.</p>                                                                                                                     |
| Fuel tank         | <p>Check level and refill if necessary.</p> <p>Check the circuit for leaks or obstructions.</p> <p>Check that the tank cap closes correctly.</p>                                                                      |

|                                                                             |                                                                                                 |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 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.                          |

## Refueling (03\_03, 03\_04)

### IMPORTANT

THE FUEL IS EXTREMELY INFLAMMABLE AND MAY BECOME EXPLOSIVE IN CERTAIN CONDITIONS.

FOR THIS REASON, IT IS NECESSARY TO REFUEL THE VEHICLE AND PERFORM MAINTENANCE OPERATIONS INVOLVING THE FUEL SYSTEM IN A WELL VENTILATED AREA, WITH THE ENGINE SWITCHED OFF.

DO NOT REFUEL AND DO NOT PERFORM MAINTENANCE OPERATIONS WITH THE ENGINE RUNNING.

DO NOT SMOKE WHILE REFUELING OR IN PROXIMITY TO DANGEROUS FUMES. NEVER ALLOW THE FUEL TO COME INTO CONTACT WITH FLAMES, SPARKS OR HEAT SOURCES. TRY TO CAREFULLY AVOID FUEL SPILLAGE WHILE REFUELING. FUEL SPLASHES MAY IGNITE IF THEY COME INTO CONTACT WITH THE HOT ENGINE OR WITH THE EXHAUST SYSTEM SURFACES. IN CASE OF ACCIDENTAL FUEL SPILLAGE, MAKE SURE THAT THE FUEL HAS

COMPLETELY DRIED OUT OR EVAPORATED BEFORE STARTING THE VEHICLE.

AVOID THE FUEL COMING INTO CONTACT WITH YOUR SKIN AND AVOID INHALING THE FUMES EMITTED BY THE FUEL.

NEVER ATTEMPT TO TRANSFER FUEL FROM ONE CONTAINER TO ANOTHER USING YOUR MOUTH AS TRANSFER MEANS. USE A MANUAL PUMP OR A SIMILAR TOOL.

#### **IMPORTANT**

THE FUEL IS POISONOUS AND CARCINOGENIC AND CONTAINS CHEMICALS THAT CAUSE IMPAIRMENTS AND SEVERAL BIRTH PROBLEMS.

IF YOU ACCIDENTALLY SPILL FUEL ON THE SKIN OR CLOTHES, CLEAN IMMEDIATELY WITH WATER AND SOAP AND CHANGE CLOTHES.

IF THE FUEL ACCIDENTALLY COMES INTO CONTACT WITH YOUR EYES, RINSE THEM WITH PLENTY OF WATER AND IMMEDIATELY SEEK MEDICAL ATTENTION. IF YOU ACCIDENTALLY INGEST FUEL, DO NOT INDUCE VOMITING. DRINK A LARGE AMOUNT OF MILK OR WATER AND CONTACT A DOCTOR AS SOON AS POSSIBLE.

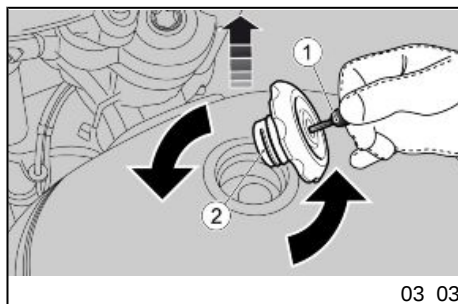
IF YOUR VEHICLE TIPS OVER, IT WILL LOSE FUEL, WHICH IS EXTREMELY INFLAMMABLE. FLAMES AND SPARKS MAY RESULT IN SERIOUS FIRES THAT WILL NOT ONLY DESTROY YOUR VEHICLE, BUT WILL ALSO BE EXTREMELY DANGEROUS FOR THE SURROUNDING VEHICLES AND BUILDINGS, WHICH MAY CAUSE VERY SERIOUS INJURIES AND EVEN DEATH.

ALWAYS KEEP THE FUEL AWAY FROM CHILDREN. DISPOSE OF CORRECTLY; DO NOT DRAIN IT INTO THE SEWAGE SYSTEM OR AT THE BATHROOM.

#### **Characteristic**

##### **Fuel**

Unleaded gasoline E10 (95 R.O.N.)



03\_03

**To refuel:**

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

**IMPORTANT**

**ALWAYS USE PETROL WITH A MAXIMUM OF 10% BIOETHANOL CONTENT (E10).**

**DO NOT USE PETROL WITH AN ETHANOL CONTENT HIGHER THAN 10%; THIS USE COULD DAMAGE THE FUEL SYSTEM COMPONENTS AND/OR COMPROMISE ENGINE PERFORMANCE.**

**IMPORTANT**

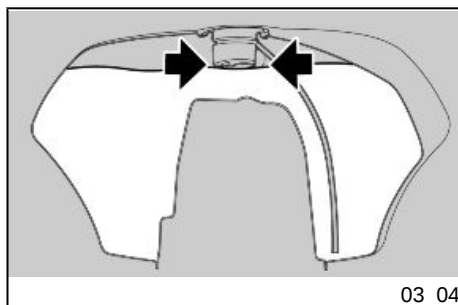
**DO NOT ADD ADDITIVES OR ANY OTHER SUBSTANCES TO THE FUEL.**

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



**DURING REFUELLING AVOID FUEL LEAKAGES, WHICH MAY CAUSE DAMAGE TO THINGS OR PERSONS 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.**



03\_04

**NOTE**

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

After refuelling:

**IMPORTANT**

THE TANK MUST ALWAYS BE CLOSED CORRECTLY BY TIGHTENING THE CAP CLOCKWISE UNTIL IT LOCKS INTO PLACE.

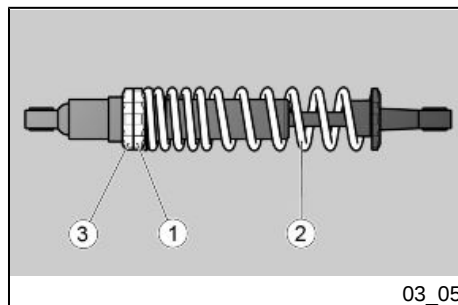
MAKE SURE THE CAP IS TIGHTLY CLOSED.

**Characteristic****Fuel tank capacity (including reserve)**

3.96 +/- 0.13 US gal (3.30 +/- 0.11 UK gal; 15 +/- 0.5 l)

**Fuel tank reserve capacity**

4 +/- 0.5 l (0.88 +/- 0.11 UK gal; 1.06 +/- 0.13 US gal)

**Rear shock absorbers adjustment (03\_05)**

The shock absorber has an adjuster ring (1) for setting spring pre-load (2) and a locking ring nut (3).

**NOTE**

IT IS POSSIBLE TO VARY THE PRE-LOAD OF THE SHOCK ABSORBERS DEPENDING ON THE LOAD ON THE VEHICLE (PASSENGER OR HEAVY LOAD).

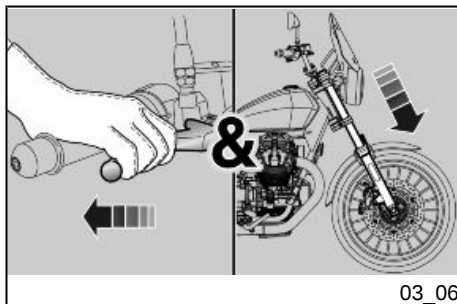
**IMPORTANT**

**TO PREVENT DAMAGE TO THE ADJUSTER SCREW (1) AND THE LOCKING RING NUT (3), NEVER FORCE THEM BEYOND THE END OF TRAVEL IN EITHER DIRECTION.**

- Unscrew the locking ring (3).
- Use the adjustment ring nut (1) to adjust the spring pre-loading for the shock absorber (2).
- Screw to increase pre-loading; and vice versa, screw to reduce it.
- Once the adjustment is completed, tighten the ring nut (3) using two hook spanners.

**IMPORTANT**

**FOR PROPER VEHICLE STABILITY IT IS ALWAYS A GOOD IDEA TO MAKE SURE THAT BOTH SHOCK ABSORBERS ARE SET TO THE SAME POSITION. IF NECESSARY, CONTACT AN Official Moto Guzzi Dealership.**



03\_06

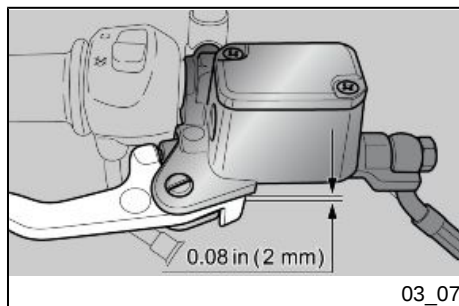
**Check front fork (03\_06)**

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

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

**IMPORTANT**

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



### Front brake lever adjustment (03\_07)

You can check the clearance between the end of the brake lever and the master brake cylinder at the point shown in the figure.

The clearance must be 0.08 in (2 mm).

#### IMPORTANT

**IF THE FRONT BRAKE LEVER MUST BE REMOVED, CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership**

### Rear brake pedal adjustment

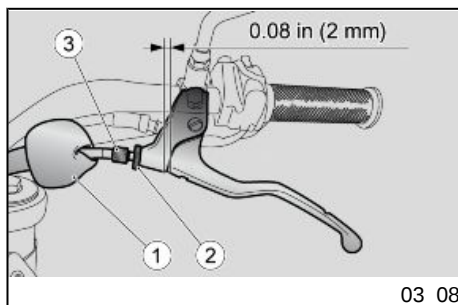
#### IMPORTANT

**FOR REMOVAL AND REPLACEMENT OF REAR BRAKE PEDAL, CONTACT AN Official Moto Guzzi Dealer**

### Clutch lever adjustment (03\_08, 03\_09)

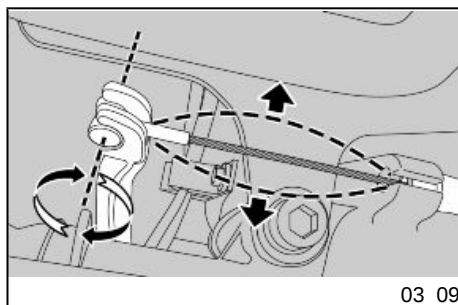
Adjust the clutch when the engine stops or the vehicle tends to move forward even when clutch lever is operated and the gear engaged, or if the clutch "slides", resulting in acceleration delay considering the engine revs.

- In order to maintain a correct tension and an optimal clutch operation, it is necessary to check and if necessary provide tension to the cable:
- Urban use every 621.37 mi (1000 km)
- Extra urban use every 3106.86 mi (5000 km)
- In any case, every time you detect that the clutch has disengaged before the standard factory setting.



To adjust, do the following:

- Pull back the protective boot (1)
- Loosen the ring nut (2)
- Turn the set screw (3) with straight handlebar until the empty travel corresponding to the fixed abutment on the handlebar is 0.08 in (2 mm)
- Push the clutch control lever on the gearbox housing towards the rear wheel
- Pull the clutch control lever placed on the gearbox towards the opposite side (as in point 4) checking that the cable is not tightened.
- During the previous operation, check that the cable lug turns freely around its axis, regarding the clutch lever
- Tighten the ring nut (2), holding the adjuster nut (3) to prevent it from turning
- Refit the protection casing (1)
- If after the adjustment in point 3 it is not possible to ascertain the condition of "point 6", contact an Authorised **Moto Guzzi Dealer** to verify the proper operation of the clutch control.
- If the adjuster stroke (3) is not sufficient to ensure the required clearance, contact an Authorised **Moto Guzzi Dealer**



## Gear pedal adjustment

### IMPORTANT

TO REMOVE AND REPLACE THE GEAR LEVER, CONTACT AN Official **Moto Guzzi Dealer**

## Running-In

Running in is essential to ensure the durability of the vehicle. During the first 932.06 mi (1500 km), observe the following rules to ensure the reliability and performance of the vehicle throughout its lifetime:

- Avoid full throttle starts and hard acceleration;
- Avoid exceeding 4500 rpm (rpm);
- 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

### IMPORTANT

**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.**

### IMPORTANT

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



**TO PREVENT THE RISK OF INJURY TO YOURSELF OR OTHERS AND/OR DAMAGE TO THE VEHICLE, TAKE THE YOUR MOTORCYCLE TO AN AUTHORISED Moto Guzzi DEALER AT THE SPECIFIED MILEAGE INTERVALS TO HAVE THE CHECKS LISTED IN THE "SCHEDULED MAINTENANCE TABLE" CARRIED OUT.**

## Starting the engine (03\_10, 03\_11, 03\_12)

This vehicle must be used with care, prudence and respect.



**EXHAUST FUMES CONTAIN CARBON MONOXIDE, AN EXTREMELY HARMFUL SUBSTANCE IF INHALED.**

**NEVER START THE ENGINE IN A CLOSED OR INSUFFICIENTLY VENTILATED SPACE.**

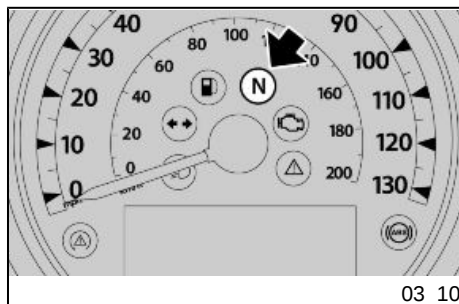


**FAILURE TO OBSERVE THIS WARNING COULD LEAD TO UNCONSCIOUSNESS AND EVEN DEATH DUE TO SUFFOCATION.**

### **IMPORTANT**

**WITH THE SIDE STAND LOWERED, THE ENGINE MAY ONLY BE STARTED WITH THE GEARBOX IN NEUTRAL. IF YOU ATTEMPT TO ENGAGE THE GEAR, THE ENGINE WILL STOP.**

**WITH THE SIDE STAND RETRACTED, THE ENGINE MAY BE STARTED WITH THE GEARBOX IN NEUTRAL OR WITH THE GEAR ENGAGED AND THE CLUTCH LEVER OPERATED.**



03\_10

- Get on the motorcycle, assuming the correct driving posture.
- Make sure that the side stand has been fully retracted.
- Operate the front or rear brake (or both).
- Operate the clutch lever and make sure that the transmission is in neutral. If the transmission is in neutral, the green coloured light "N" will turn on.
- Press the switch to stop the engine (1) and turn the ignition key to "ON".
- Press the starter button (2) once only.

At this stage:

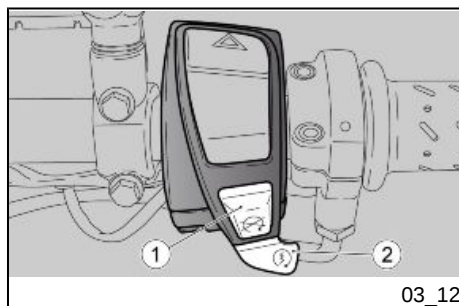
- All warning lights and the backlighting will turn on for 3 seconds on the instrument panel.



**IF THE LOW FUEL WARNING LIGHT ON THE DASHBOARD TURNS ON, REFUEL THE VEHICLE AT ONCE.**



**DO NOT SET OFF SUDDENLY WHEN THE ENGINE IS COLD. RIDE AT LOW SPEED FOR SEVERAL KILOMETRES. THIS WILL ALLOW THE ENGINE TO WARM UP AND REDUCE POLLUTING EMISSIONS AND FUEL CONSUMPTION.**



03\_12

## Moving off / riding (03\_13, 03\_14, 03\_15)

### IMPORTANT

THE ECU INSTALLED ON THIS MOTORCYCLE COMPENSATES FOR INCREASED ELECTRIC POWER CONSUMPTION BY TEMPORARILY RAISING THE IDLE SPEED; VARIATIONS IN ENGINE SPEED WITHIN THIS RANGE ARE THEREFORE NORMAL.



IF THE LOW FUEL WARNING LIGHT ON THE DASHBOARD TURNS ON, REFUEL THE VEHICLE AT ONCE.

### WARNING

IF THE MOTORCYCLE TURNS OFF ACCIDENTALLY THE ECU ALLOWS A RESTART WITHIN THE NEXT 5 SECONDS. ONCE THIS PERIOD OF TIME HAS PASSED THE ECU WILL PREVENT STARTING FOR ANOTHER 3 SECONDS AND ONLY THEN WILL IT BE POSSIBLE TO START THE MOTORCYCLE.

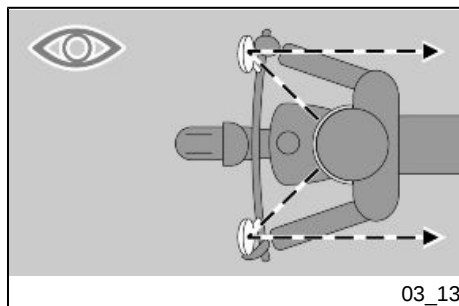
### IMPORTANT

WHEN TRAVELLING WITHOUT PASSENGERS, MAKE SURE THE PASSENGER FOOTRESTS ARE FOLDED UP.

### IMPORTANT

PASSENGERS MUST BE SUITABLY INSTRUCTED ON HOW TO BEHAVE TO PREVENT DANGEROUS SITUATIONS WHEN RIDING.

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



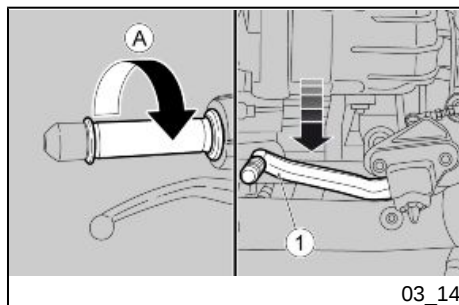
#### To start:

- Turn on the engine.
- Adjust the inclination of the rear-view mirrors to ensure proper visibility.

#### IMPORTANT



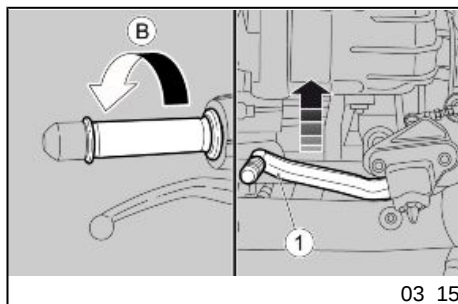
**WITH THE VEHICLE AT STANDSTILL, PRACTICE USING THE REAR-VIEW MIRRORS. THE MIRRORS ARE CONVEX, SO OBJECTS MAY SEEM FARTHER AWAY THAN THEY REALLY ARE. THESE MIRRORS OFFER A WIDE-ANGLE VIEW AND ONLY EXPERIENCE HELPS YOU JUDGE THE DISTANCE SEPARATING YOU AND THE VEHICLE BEHIND.**



- With a closed throttle grip (Pos. A) and the engine idling, pull the clutch lever.
- Push the gearbox lever (1) downward to select the first gear.
- Release the clutch lever (activated during start-up).

#### IMPORTANT

**WHEN TURNING OFF THE VEHICLE, DO NOT RELEASE THE CLUTCH TOO QUICKLY OR SUDDENLY, AS THIS COULD CAUSE THE ENGINE TO STOP OR THE VEHICLE TO REAR UP ON THE BACK WHEEL. DO NOT ACCELERATE SUDDENLY WHEN RELEASING THE CLUTCH FOR THE SAME REASON.**



- Slowly release the clutch lever and accelerate by slightly turning the throttle grip at the same time (Pos. B).

The vehicle starts moving forward.

- Ride at moderate speed for the first kilometres/miles to allow the engine to warm up.
- Speed up by gradually turning the throttle grip (Pos. B) without exceeding the recommended revs.



**RIDE IN THE CORRECT GEAR AND SPEED FOR THE CONDITIONS.**

**DO NOT OPERATE THE THROTTLE GRIP ABRUPTLY.**

- Release the throttle grip (Pos. A), operate the clutch lever and lift the gear control lever (1), release the clutch lever and accelerate.
- Repeat the last two operations and engage a higher gear.



**IT IS SUGGESTED TO GO UP TO A HIGHER GEAR THAN TO A LOWER GEAR:**

- When riding downhill and under braking, using engine compression to increase braking power.
- When going uphill, when the engaged gear does not suit the speed (high gear, moderate speed) and the number of engine revs falls.

#### **IMPORTANT**

**DOWN-SHIFT ONE GEAR AT A TIME; WHEN SHIFTING TO A LOWER GEAR, DOWN-SHIFTING MORE THAN ONE GEAR AT A TIME COULD OVER-REV THE ENGINE; THAT IS, THE MAXIMUM RPM VALUE PERMITTED FOR THE ENGINE COULD BE EXCEEDED.**

- Release the throttle grip (Pos. A).
- If necessary, pull the brake levers gently and reduce speed.
- Operate the clutch lever and lower the gearshift lever (1) to engage a lower gear.
- Release the brake levers when it is operated.
- Release the clutch lever and accelerate moderately.



**IN ORDER TO AVOID CLUTCH OVERHEATING, SHUT THE ENGINE OFF AS SOON AS POSSIBLE ONCE THE VEHICLE HAS STOPPED AND AT THE SAME TIME THE GEAR IS ENGAGED AND THE CLUTCH LEVER OPERATED.**



**OPERATE THE FRONT OR THE REAR BRAKE ONLY SIGNIFICANTLY REDUCES THE BRAKING FORCE OF THE VEHICLE.**

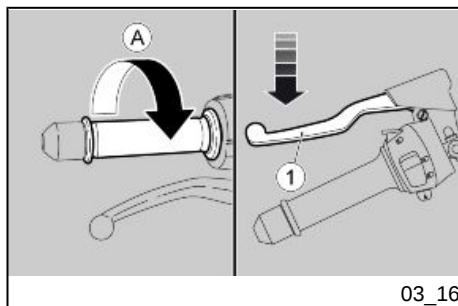
**WHEN STOPPING UPHILL, DECELERATE COMPLETELY AND ONLY USE THE BRAKES TO MAINTAIN THE VEHICLE IN THE STOPPED POSITION.**

**USING THE ENGINE TO KEEP THE MOTORCYCLE STOPPED COULD CAUSE THE CLUTCH TO OVERHEAT. BRAKING CONTINUOUSLY WHEN DRIVING DOWNHILL COULD CAUSE THE BRAKE PADS TO OVERHEAT, WHICH REDUCES BRAKING AND LIMITS BRAKING POWER.**

**IT IS RECOMMENDED TO USE THE ENGINE COMPRESSION, DOWNSHIFTING AND USING BOTH BRAKES INTERMITTENTLY.**

**WHEN DRIVING DOWNHILL, NEVER RIDE WITH THE ENGINE TURNED OFF.**

**WHEN RIDING ON WET SURFACES OR SURFACES WITH POOR GRIP (SNOW, ICE, MUD, ETC.) USE MODERATE SPEED, AVOID SUDDEN BRAKING OR MANOEUVRES THAT MAY CAUSE TO A LOSS OF TRACTION AND POSSIBLY TO A FALL OR CRASH.**



## Stopping the engine (03\_16)

- Release the throttle grip (Pos. A), brake gradually and simultaneously downshift to slow down.

### Once the speed is reduced, before stopping the vehicle:

- Operate the clutch lever (1) so that engine does not shut off.

### When the vehicle is at standstill:

- Set the gearshift lever in neutral (green "N" indicator light lit).
- Release the clutch lever (1).
- While at a temporary halt, keep at least one of the vehicle brakes held.

### IMPORTANT



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

## Parking

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

### IMPORTANT

**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, 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.**

**IMPORTANT**

**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 silencers 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\_17, 03\_18)**

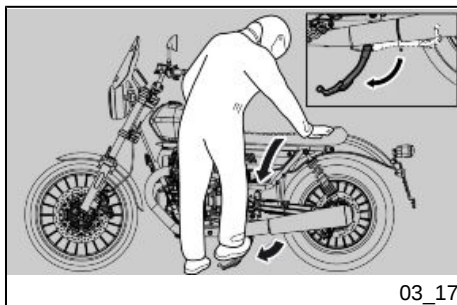


**BEFORE SETTING OFF, MAKE SURE THE STAND HAS BEEN COMPLETELY RETRACTED TO ITS POSITION.**

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



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



03\_17

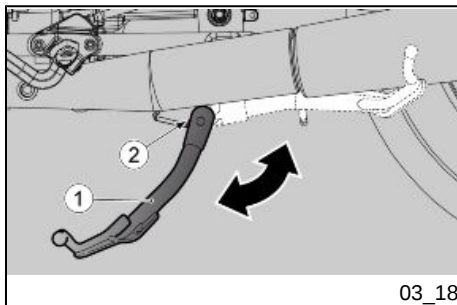
### SIDE STAND

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.

### IMPORTANT

**MAKE SURE THE VEHICLE IS STABLE.**



03\_18

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

### IMPORTANT

**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.

SURNAME: .....

FIRST NAME: .....

ADDRESS: .....

TELEPHONE NO.: .....

#### **WARNING**

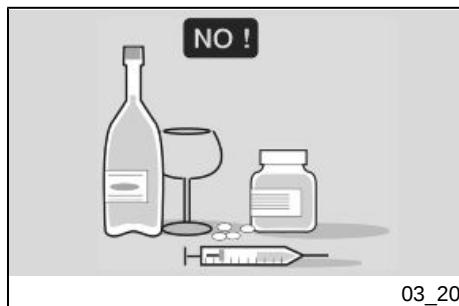
**IN MANY CASES, STOLEN VEHICLES CAN BE IDENTIFIED BY DATA IN THE USE / MAINTENANCE BOOKLET**



**Safe riding (03\_19, 03\_20, 03\_21, 03\_22, 03\_23, 03\_24, 03\_25, 03\_26, 03\_27, 03\_28, 03\_29, 03\_30, 03\_31, 03\_32, 03\_33, 03\_34, 03\_35, 03\_36, 03\_37, 03\_38, 03\_39, 03\_40, 03\_41)**

#### **MAIN SAFETY RULES**

The following instructions refer to the normal use of your vehicle and must be carefully observed. Observing these rules will allow you to increase your safety and that of the persons around you as well as maximise the life and usefulness of your vehicle. Two-wheeled vehicles obviously do not offer some of the protections normally provided on cars, so it is essential to wear suitable protective clothing. In particular, when riding the vehicle, always wear a helmet, gloves, protective goggles and a heavy jacket, sturdy footwear and durable long trousers. However, it must always be kept in mind that even the best clothing and helmet cannot protect you in the event of a fall or collision with another vehicle. These features protect you best from scratches and abrasions, but their protective function is minimal in the event of an impact. Make sure you meet all the requirements of the local law, including driver's license, minimum age, adequate preparation, insurance, taxes, vehicle registration, license plate, etc. As



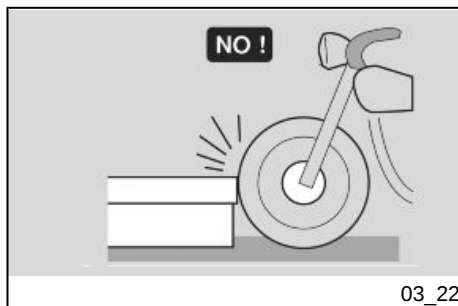
03\_20

soon as you receive the vehicle, familiarise yourself by practising in areas with low traffic intensity. Avoid driving the vehicle in heavy traffic areas until you have gained a good experience and total safety in riding. Although this vehicle is approved for use on motorways and ring roads, it is recommended that you do not travel on these roads at high speed until you have become very familiar with the vehicle and have achieved a high degree of skill in use. A new vehicle must undergo an accurate break-in. Before starting the engine, make sure the brake, clutch, drive and throttle controls are working properly and check that the oil and fuel level is adequate. The exhaust system, brakes and some vehicle components can get very hot while riding. Do not touch these components. Consumption of certain drugs and medicines, illegal or prescribed, as well as alcohol greatly increases the risk of accidents. Do not drive while under the influence of alcohol or drugs, whether they are illegal or licensed by a doctor. Make sure that you are in good physical condition before driving your vehicle. Do not drive in conditions of particular fatigue or tiredness. Alcohol, drugs and fatigue are the main cause of accidents. Many accidents are due to the driver's inexperience. Do not ride your vehicle until you have received training from a recognized organization such as the Motorcycle Safety Foundation. Always keep in mind that driving a two-wheeled vehicle, while easy and fun, is very different from driving a car. Not necessarily an experienced car driver is able to safely drive a two-wheeled vehicle. NEVER lend the vehicle to other people if you are not sure that they are experts and in possession of a driving license. Respect all the rules of the road traffic code. In particular, pay attention to all warning, traffic regulation and information signs.

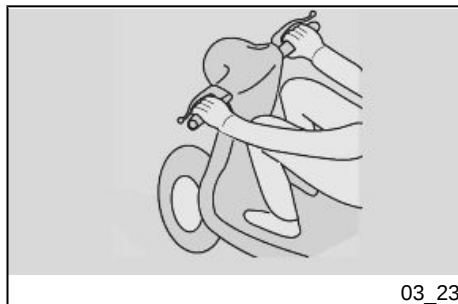


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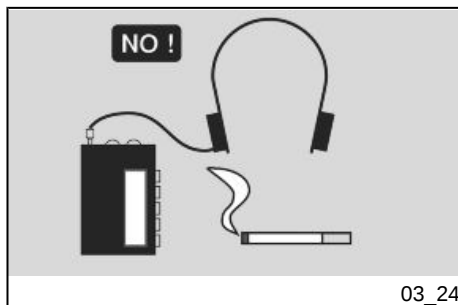
Avoid showing off with dangerous manoeuvres (e.g. rear up). In particular, respect the speed limits and remember that the conditions of the road surface vary according to the weather conditions; wet and icy roads are dangerous especially at high speed. Car drivers often find it difficult to see two-wheeled vehicles, so always give priority to cars even in cases where according to the road traffic code you would have priority. Before changing lanes, always check that the road is clear behind you. Do not rely solely on the rear view mirror as it could underestimate the distance and speed of a vehicle or even not see it at all. Avoid obstacles that could damage the vehicle or lead to loss of control of the vehicle. Do not drive close to vehicles like trucks or cars, in front of you and do not remain in their lane to increase speed. In the event of an accident, motorcycles, scooters and mopeds do not offer the same level of protection as cars. Especially the legs are exposed to the risk of injury. The additional installation of leg pads can concretely increase the risk of injury and the severity in the event of an accident. Do not install leg pads available on the spare parts and accessories mar-



03\_22



03\_23

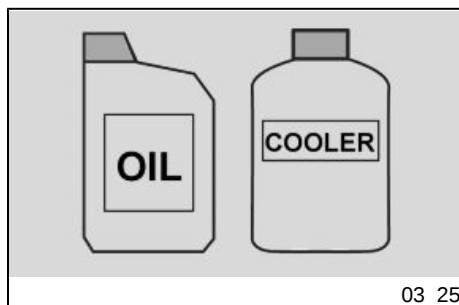


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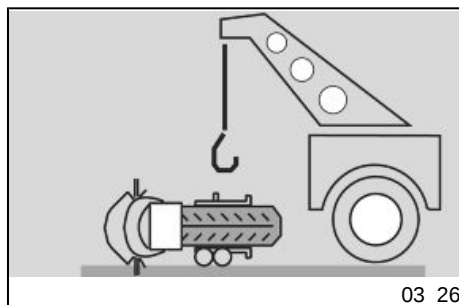
ket. Failure to follow these instructions can result in serious injury or even death. Always ride with both hands on the handlebars and feet on the foot pegs. Never change gear without using the clutch if your vehicle is equipped with one. Do not operate the shift lever or other controls abruptly and suddenly. Misuse of this type could damage the internal components of the vehicle resulting in seizure, loss of control, accidents and serious or even fatal injuries. Remain seated while driving. Do not stand up or try to stretch yourself while riding the vehicle. If you need to rest, pull over at a safe point on the road. It is very important for your safety to always drive with the utmost attention. Pay attention to your actions, do not get distracted by other vehicles, persons and/or things near the road, etc. Do not smoke, eat, drink, read, etc. while driving the vehicle. If you need to consult a road map, pull over and carry out the operation in complete safety. Use only the fuels and lubricants specified for the vehicle listed in the RECOMMENDED PRODUCTS TABLE; regularly check the coolant, fuel and oil levels. If the throttle remains locked, it could result in a collision with another vehicle or a fall. If the throttle remains locked, stop the engine with the engine stop switch located on the right handlebar. Do not try to restart the engine until the throttle has been repaired and is fully functional. Failure to observe this warning can result in loss of control resulting in serious injury or even death.

#### IMPORTANT

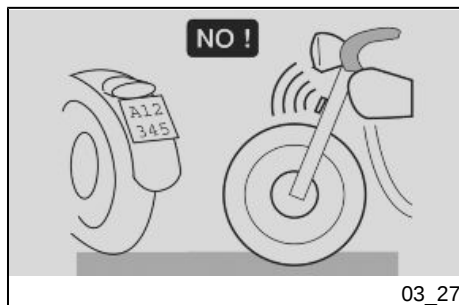
**IN THE EVENT OF AN EMERGENCY CAUSING THE THROTTLE TO LOCK, ALWAYS STOP THE ENGINE USING THE ENGINE STOP SWITCH LOCATED NEAR THE THROTTLE GRIP ON THE RIGHT SEMI-HANDLEBAR. DO NOT OPERATE THE VEHICLE IF THE THROTTLE DOES NOT AUTOMATICALLY RETURN COMPLETELY TO IDLE ONCE THE THROTTLE GRIP IS RELEASED. FOR REPAIRS, PLEASE CONTACT YOUR LOCAL Moto Guzzi Dealer. FAILURE TO OBSERVE THIS WARNING COULD LEAD TO SERIOUS ACCIDENT WITH CONSEQUENT INJURY OR EVEN DEATH.**



03\_25



03\_26



03\_27

If you have been involved in an accident with your vehicle, make sure that the control levers, pipes, cables, brake system or other vital components have not been damaged. If your vehicle has been involved in an accident, immediately contact your local **Moto Guzzi** dealer who has the necessary equipment and knowledge to check for any damage that could compromise your safety.

Your **Moto Guzzi** dealer can help you to solve all safety problems under the condition that all mechanical malfunctions are reported to him.

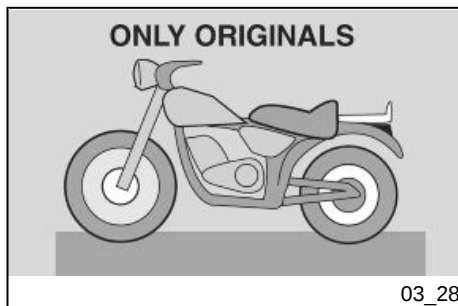
Do not use the damaged vehicle. A damaged vehicle could lose stability or have other problems that could increase the risk of an accident resulting in serious injury or even death.

Do not try to change the position, angle or colour of your license plate. The license plate shall not be covered in any way, not even with transparent plastic. Do not modify the safety features of your vehicle, especially components such as turn indicators, rear view mirrors, lights or horns.

Any modification to the vehicle will result in the cancellation of the warranty.

Do not modify the engine in order to increase its power. This could cause irreparable damage to the engine as well as compromise its performance and vehicle handling resulting in a fall and serious or even fatal injuries.

To repair your vehicle, use only original **Moto Guzzi** accessories or **Moto Guzzi** approved accessories. The use of aftermarket accessories and parts can seriously affect



the safety of your vehicle as well as its performance and use. Any changes that affect performance or safety void the entire warranty.

Tampering with the emission and noise control system is prohibited by law and can be severely punished.

For some jurisdictions, vehicle confiscation is also provided.

This vehicle is not intended to be equipped with a sidecar or to be used to tow trailers or other vehicles.

**Moto Guzzi** does not produce sidecars or trailers and can therefore not predict the consequences that these accessories may have on the handling and stability of the vehicle: however, it is warned that these effects could be negative and the guarantee is not recognised for any damage to components of the vehicle due to the use of accessories of this type.

Never use your vehicle to compete with other vehicles.

Brake using both the front and rear brakes. Using only one brake in the event of hard braking could cause the vehicle to skid or cause the driver to lose control of the vehicle.

When driving downhill, take advantage of the engine's braking action by selecting the same gear or a lower gear than those normally used uphill. Use the front and rear brake with moderation.

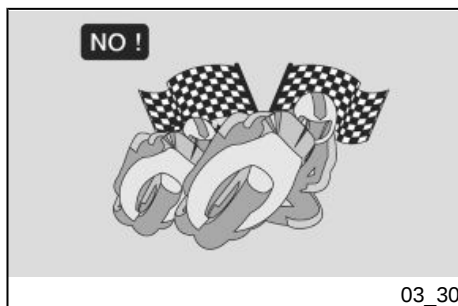
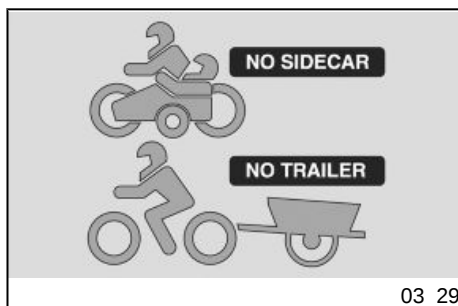
Always travel at an adequate speed and avoid unnecessary sudden acceleration not only for greater safety, but also to reduce fuel consumption and increase the life of the vehicle.

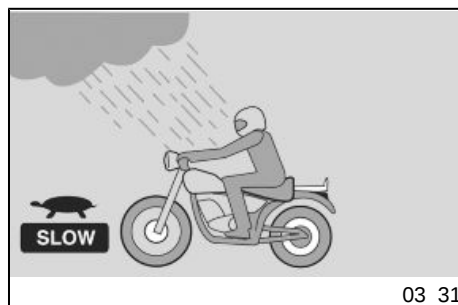
When using the vehicle on wet or slippery surfaces, always bear in mind that grip decreases significantly. In these conditions, always manoeuvre the vehicle slowly and with the utmost caution.

Accelerating, braking, or sudden turns can cause you to lose control of the vehicle. When grip is reduced, accelerate and slow down using the engine braking force as much as possible. Avoid braking hard and too fast.

Slowly open and close the throttle to avoid spinning or skidding the rear wheel.

Slow down and drive carefully on uneven road surfaces.





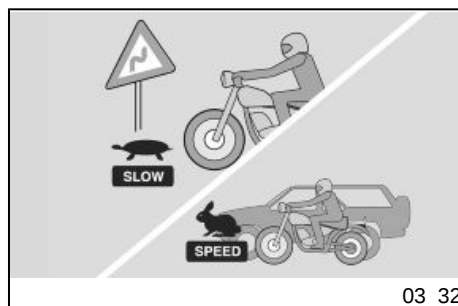
03\_31

Avoid accelerating by turning the throttle completely except in cases of absolute necessity such as overtaking.

Do not let the engine work "under stress", that means too low a number of revolutions. Downshift to a lower gear. Do not run the engine excessively. Observe the red line on the speedometer.

Remember that excessively aggressive cornering can cause the tyre to lose grip on the tyre sidewall resulting in a fall and serious injury or even death.

Always respect the speed limits imposed by law taking into consideration that it is not always possible to drive up to the indicated speed limit in all road conditions. Slowing down slightly increases your safety considerably in all road conditions.



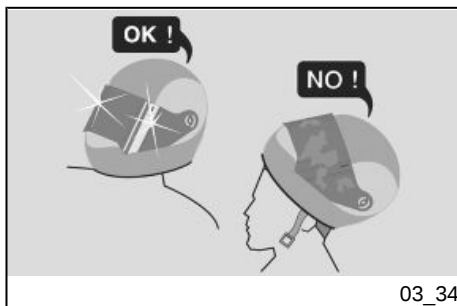
03\_32

Do not ride the vehicle off-road.

Do not tamper with the exhaust or emissions control system of your vehicle as this is not only a form of environmental protection, but could incur criminal penalties.



03\_33



03\_34

## CLOTHING

Before riding the vehicle, make sure your clothing is in suitable condition. Wear the helmet correctly making sure that the visor or goggles are clean.

Research and experience have shown that drivers of other vehicles often do not see the vehicles or motorcyclists. To make yourself more visible to other drivers, wear reflective clothing such as light-refracting vests or other types of clothing with reflective areas sewn onto the jacket, pants and gloves. Be especially careful of trucks and cars arriving from the oncoming lane as they may turn left right in front of you. Many traffic accidents are caused by a driver on the opposite side turning left without considering the vehicle in front.

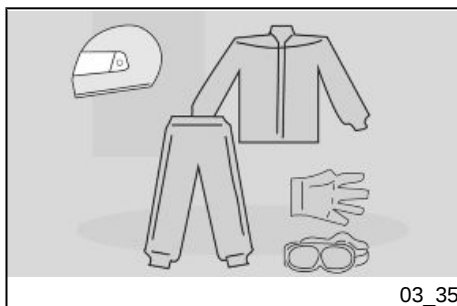
Inevitably, the driver in front of you will swear only having seen you when, after turning, being in your lane. Drive carefully!

Wear appropriate protective clothes, preferably light-coloured and/or in reflective material. This way you are more visible to other drivers, considerably reducing the risk of being hit and enjoying greater protection in the event of an accident.

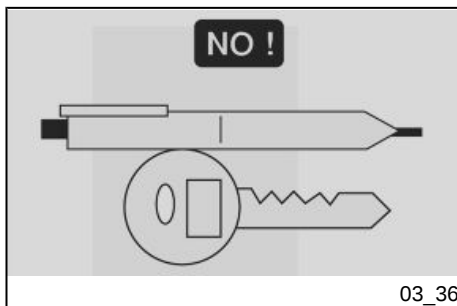
Always wear a helmet.

Clothing should be particularly tight and closed at the wrists and ankles. Cords, belts and ties shall not hang out; prevent these and other objects from interfering with driving as they can get entangled with moving parts or driving mechanisms.

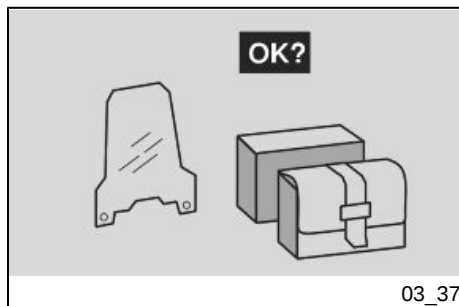
Do not keep sharp objects in your pocket which could be dangerous in case of a fall, e.g. keys, lead pencil, etc. Make sure that the passenger also respects these recommendations.



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03\_37

## ACCESSORIES

The vehicle owner is responsible for the selection, installation and use of all accessories.

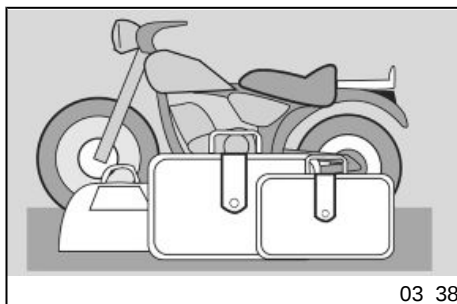
Installing inappropriate accessories or overloading the vehicle could make the vehicle unstable and lead to accidents resulting in serious injury or even death. Windscreens are particularly dangerous in the event of an accident as if they break they could injure or cut the rider. In case of doubt about any accessory to be installed or any load to be transported, we recommend you to consult your local **Moto Guzzi** dealer in advance.

Do not install accessories which cover or limit the operation of the horns or lights, which limit the suspension travel and the steering angle, which hinder the operation of the controls and reduce the ground clearance and lean angle when cornering .

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

The fairings and windscreens mounted on the vehicle can give rise to aerodynamic forces such as to compromise the stability of the vehicle while riding, particularly at high speeds.

Make sure that everything that is mounted on the vehicle is securely fixed, cannot come off and lock wheels, forks, etc. Do not install electrical accessories and do not modify the vehicle electrical system. Any component that could cause an overload or electrical fault could result in the vehicle being stopped immediately, the lights or beeps turned off or dimmed, or malfunction of other safety accessories. Use only original **Moto Guzzi** accessories.



03\_38

## LOADING

Do not overload the vehicle.

Secure bags or luggage as close to the vehicle's centre of gravity as possible and distribute the load as evenly as possible between the two sides to minimise imbalance. Always remember that loads tend to loosen during travel and therefore often check the safety of your load.

Do not let objects hang from the vehicle's semi-handlebars, mudguards or forks as they may impair the handling of the vehicle and prevent you from avoiding an accident. Failure to observe this warning can lead to a fall resulting in serious injury or even death.

Do not ride with the helmet hanging from the strap as it could easily get caught on the wheels, mudguard or forks causing a fall and result in serious injury or even death.

Only carry a passenger if the vehicle is equipped with passenger footrests, passenger grips and saddle.

When carrying a passenger, always remember that the vehicle has reduced handling, that the brakes are less effective and that the centre of gravity is higher and further back.

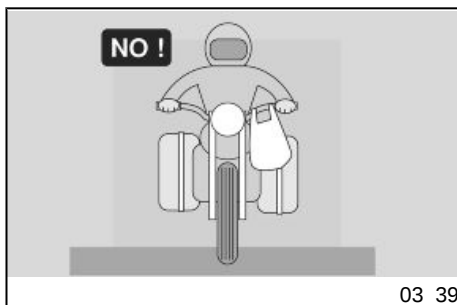
This favours the detachment of the front wheel from the ground especially during acceleration. Therefore, avoid abrupt acceleration and braking. Many accidents are caused by inexperienced riders carrying a passenger. Remember to carry out the riding manoeuvres with greater tolerance in case of excessive passenger weight.

Avoid sudden and excessive acceleration. Always slowdown in advance and calculate longer braking and manoeuvring distances. Failure to observe these instructions could result in the vehicle overturning or other accidents resulting in serious injury or even death.

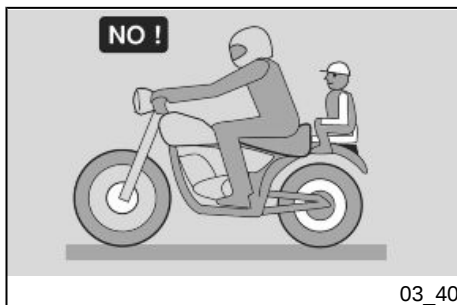
Never transport items that are not anchored and make sure that everything transported on the vehicle is carefully secured.

Do not carry luggage that protrudes from the luggage rack or that covers the lights, horn and headlamps.

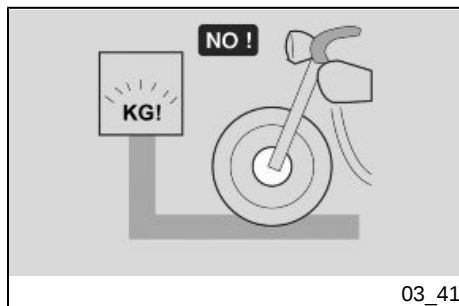
Do not carry animals or children on the glove box or luggage rack.



03\_39

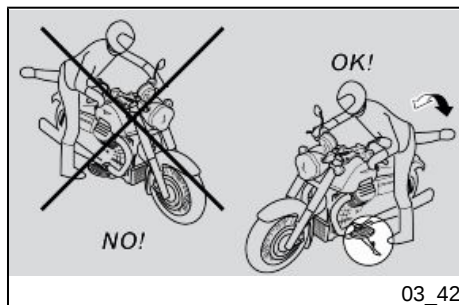


03\_40



Never exceed the maximum load indicated for each bag.

Overloading your vehicle can seriously reduce its stability and handling leading to a fall resulting in serious injury or even death.



### Basic safety rules (03\_42, 03\_43, 03\_44, 03\_45, 03\_46)

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.

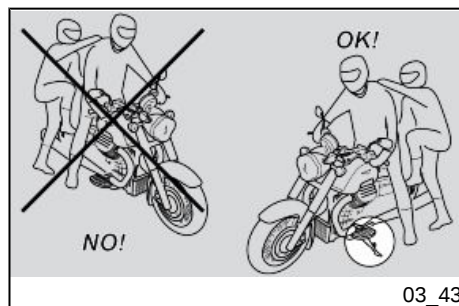
The stand is designed to support the weight of the vehicle and a small additional weight, which does not include the rider and passenger.

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.

**IMPORTANT**

**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.

**IMPORTANT**

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

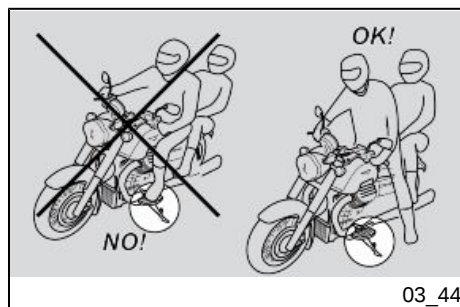
**THE VEHICLE INCLUDES PASSENGER FOOTRESTS WHICH SHOULD BE USED DURING MOUNTING AND DISMOUNTING. THE PASSENGER SHOULD ALWAYS USE THE LEFT FOOTREST FOR MOUNTING AND DISMOUNTING FROM THE VEHICLE.**

**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.**

**IMPORTANT**

**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.

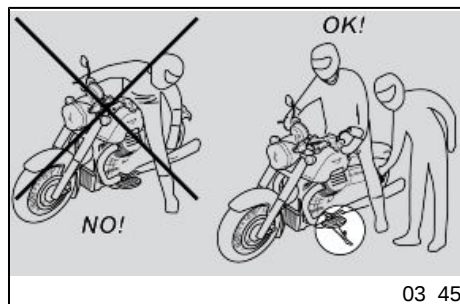
### IMPORTANT

**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.

### IMPORTANT

**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.**

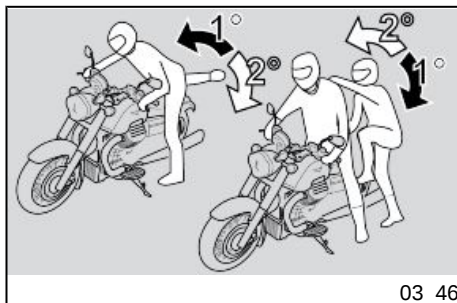


### DISMOUNTING

- 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.



**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.

#### IMPORTANT

**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.

#### IMPORTANT



**MAKE SURE THE VEHICLE IS STABLE.**



# V9



**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 "GENERAL ALARM" WARNING LIGHT ON THE INSTRUMENT PANEL TURNS ON FOR THREE SECONDS. IF THE WARNING LIGHT TURNS OFF, IT MEANS THAT THERE ARE NO MALFUNCTIONS.**

### 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.**

## Engine oil level



**CORRECT VEHICLE LUBRICATION IS A VERY DELICATE OPERATION FROM THE SAFETY POINT OF VIEW. PAY ATTENTION TO KEEP THE LUBRICANT AT THE RIGHT LEVEL AND TO USE A GOOD QUALITY OIL OF THE CORRECT TYPE FOR YOUR VEHICLE OTHERWISE, THERE COULD BE ENGINE GRIPPING WHICH CAN CAUSE SERIOUS ACCIDENT OR EVEN DEATH.**



USE LATEX GLOVES FOR MAINTENANCE OPERATIONS THAT REQUIRE CONTACT WITH THE USED OIL. THE USE OF ENGINE OIL CAN CAUSE SKIN TUMOURS IF HANDLED LONG AND DAILY. CAREFULLY WASH YOUR HANDS WITH WATER AND SOAP AFTER USING USED ENGINE OIL.

KEEP OUT OF THE REACH OF CHILDREN.

DISPOSE OF OIL CORRECTLY.



PAY UTMOST ATTENTION WHEN PUTTING OIL IN YOUR VEHICLE NOT TO SPILL IT OUT.

IMMEDIATELY CLEAN ANY DROP OF SPILLED OIL AS THE OIL CAN COMPROMISE THE FINISHING OF YOUR VEHICLE. FURTHER, OIL MAKES TYRES EXTREMELY SLIPPY AND THUS INCREASES THE RISK OF DANGEROUS ACCIDENTS AND SITUATIONS.

IN THE EVENT OF OIL LEAKAGE, DO NOT DRIVE YOUR VEHICLE. BEFORE USING THE VEHICLE, HAVE IT REPAIRED BY A Moto Guzzi Official Dealer.



IF THE ENGINE OIL PRESSURE LIGHT REMAINS ON AFTER THE ENGINE HAS BEEN STARTED, OR IF IT TURNS ON WHILE YOU ARE DRIVING, IT MEANS THAT THE OIL SYSTEM IS NOT DEVELOPING ENOUGH PRESSURE. IN THIS CASE, IMMEDIATELY STOP THE ENGINE AND CONTACT A Moto Guzzi Official Dealer. FAILURE TO OBSERVE THIS WARNING CAN LEAD TO ENGINE SEIZURE, ROLL OVER AND SERIOUS ACCIDENTS EVEN DEATH.

## Engine oil level check (04\_01)

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.**

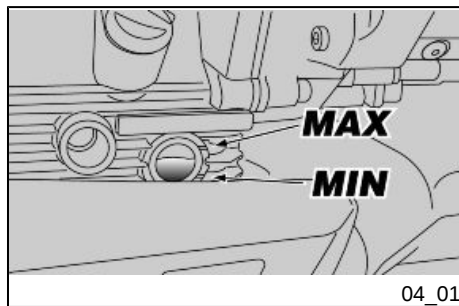


**THE OIL LEVEL MUST BE CHECKED WHEN THE ENGINE IS WARM.**

### IMPORTANT

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

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



- Shut off the engine.
- Keep the vehicle upright with both wheels on the earth.
- Using the relative opening on the engine casing, check the oil level.

**MAX** (top notch) = maximum level.

**MIN** (bottom notch) = minimum level

- The level is correct if it reaches the "**MAX**" level.

## Engine Oil Top Off

If the engine oil needs to be topped up, proceed as follows:

- Unscrew and remove the cap.

### IMPORTANT

**ONLY USE THE ENGINE OIL TYPE INDICATED IN THE RECOMMENDED FLUIDS AND LUBRICANTS TABLE.**

- Pour in the necessary quantity of engine oil to reach the correct level.

### IMPORTANT

**DO NOT ADD ADDITIVES OR ANY OTHER SUBSTANCES TO THE OIL. WHEN USING A FUNNEL OR ANY OTHER ELEMENT, MAKE SURE IT IS PERFECTLY CLEAN.**

## Engine oil change (04\_02, 04\_03)



**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.**

Check the engine oil level frequently.

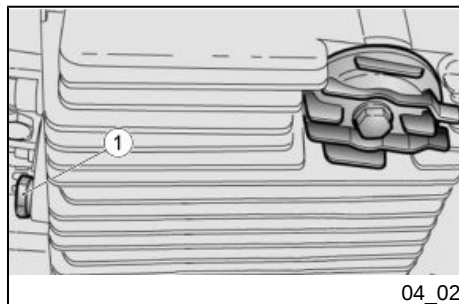
**To change:**

**IMPORTANT**

**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.**



- Place a recipient with a capacity of at least 122.05 cu in (2000 cc) under the drain plug (1).
- Unscrew and remove the drainage plug (1).
- Drain the oil into the container; allow several minutes for oil to drain out completely.
- Check and if necessary, replace the sealing washer of drainage plug (1).
- Remove any metal deposits attached to the drainage plug (1) magnet.
- Screw and tighten the drainage plug (1).

**Tightening torque for drainage plugs (1): 14.75 - 16.23 lbf ft (20 - 22 Nm)**



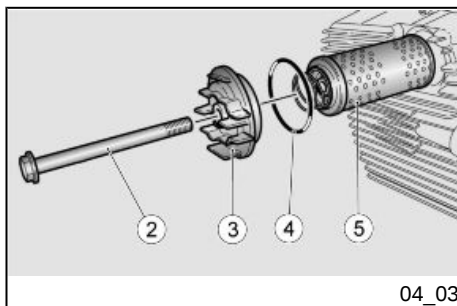
**DO NOT DISPOSE OF OIL IN THE ENVIRONMENT.**

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

#### Engine oil filter replacement

**IMPORTANT**

**REPLACE THE ENGINE OIL FILTER EVERY 6213.71 mi (10.000 km) (OR EACH TIME YOU CHANGE THE ENGINE OIL).**



- Undo the screw (2) and remove the cover (3).
- Remove the engine oil filter (5).

#### NOTE

**NEVER REUSE AN OLD FILTER.**

- Spread a thin layer of oil on the sealing ring (4) of the new engine oil filter.
- Fit the new engine oil filter with the spring facing downwards.
- Refit the cover (3), screw and tighten the screw (2).

### Bevel gear pair oil level

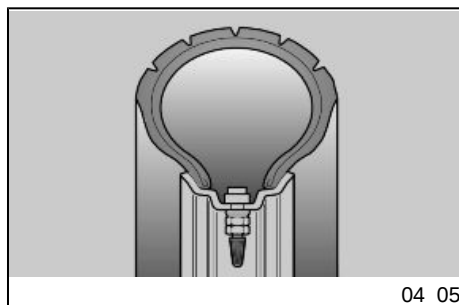
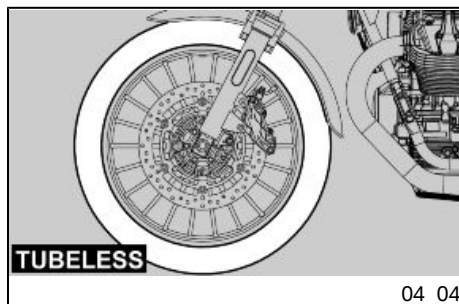
#### IMPORTANT

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

### Gearbox oil level

#### IMPORTANT

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



## Tires (04\_04, 04\_05, 04\_06)

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

### IMPORTANT

**WE RECOMMEND SETTING THE MGCT SYSTEM TO LEVEL «2» AND KEEPING THIS LEVEL ACTIVE FOR THE ENTIRE RUN-IN PERIOD TO ENABLE THE TYRES TO ADAPT TO THE ROAD CONDITIONS CORRECTLY.**

**THE SAME NOTE ALSO APPLIES WHEN CHANGING THE TYRES.**

### IMPORTANT



**TO ALLOW THE QUICK REACHING OF THE PERFECT GRIP OF NEW TYRES AT THE FIRST MILEAGE, IT IS RECOMMENDED A PARTICULARLY CAREFUL GUIDE OF THE MOTORCYCLE, AVOIDING SUDDEN STEERING OR VIOLENT ACCELERATION AND BRAKING.**

### IMPORTANT

**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.**

**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.**

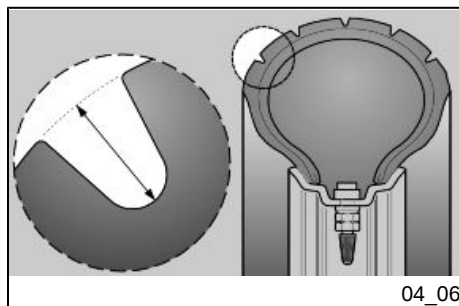
**WHEN TYRES ARE OLD, THE MATERIAL MAY HARDEN AND NOT PROVIDE ADEQUATE ROAD HOLDING, EVEN IF TYRES ARE STILL WITHIN THE WEAR LIMIT. REPLACE TYRES IF THIS OCCURS. REPLACE THE TYRE IF IT IS WORN OR IF THERE IS A PUNCTURE LARGER THAN 0.197 in (5 mm) IN THE TREAD AREA.**

**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 AUTHORISED 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.**



### Minimum tread depth:

front and rear 0.118 in (3 mm) and never less than specified by applicable legislation in the country in which the vehicle is used.

## Spark plug removal

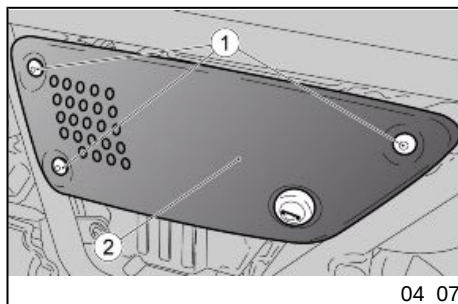
### IMPORTANT

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

## Side panel disassembly (04\_07, 04\_08)

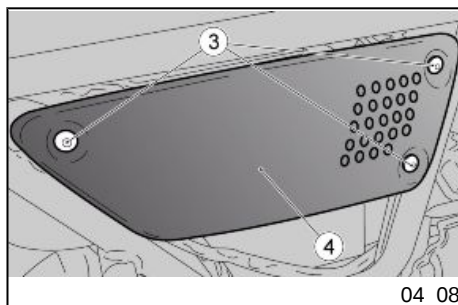
### NOTE

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



#### LEFT FAIRING

- Remove the saddle.
- Undo and remove the three fastener screws (1) and remove the fairing (2).
- The left fairing (2) can be removed, but it remains connected to the frame by the saddle lock release cable.



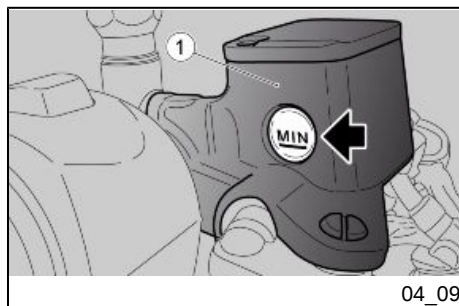
#### RIGHT FAIRING

- Remove the saddle.
- Undo and remove the three fastener screws (3) and remove the fairing (4).
- The right fairing (4) can be fully removed.

### Air filter removal

#### IMPORTANT

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



04\_09

## Checking the brake fluid level (04\_09, 04\_10)

### FRONT BRAKE

#### CHECK

- Rest the vehicle on its stand
- Turn the handlebar so that the fluid is at the same level as the plug.
- Check that the fluid contained in the tank (1) exceeds the 'MIN' level reference mark

**MIN** = minimum level

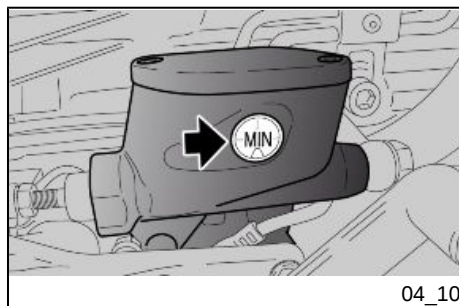
If the fluid does not reach at least the "**MIN**" reference mark:

#### IMPORTANT

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

- Check brake pads and discs for wear.

If the brake pads and/or brake discs do not have to be replaced, have the braking system checked at an **Official Moto Guzzi Dealership**.



04\_10

### REAR BRAKE

#### CHECK

- Keep the vehicle upright so that the fluid in the reservoir is at the same level as the plug.
- Make sure that the fluid level in the reservoir is above the "**MIN**" reference mark.

**MIN** = minimum level

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

#### IMPORTANT

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

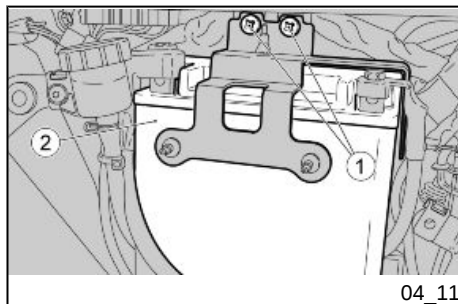
- Check brake pads and discs for wear.

If the brake pads and/or brake discs do not have to be replaced, have the braking system checked at an **Official Moto Guzzi Dealership**.

## Braking system fluid top up

### IMPORTANT

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



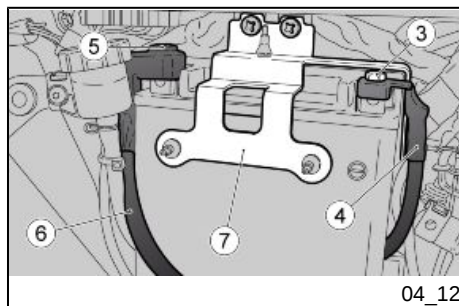
## Use of a new battery (04\_11, 04\_12)

- 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.
- 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.
- Put the battery away on a level surface, in a cool and dry place.

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

### IMPORTANT

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



04\_12



**CHECK THAT THE CABLE TERMINALS AND BATTERY LEADS ARE:**

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



**REMOVING THE BATTERY RESETS THE DIGITAL CLOCK AND THE TRIP JOURNAL FUNCTIONS.**

#### IMPORTANT



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

### Electrolyte level check

#### 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.

### IMPORTANT



**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

#### **CHARGE 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 is out of use for prolonged periods, check charge level frequently (about once a month) to prevent deterioration.

- Recharge it fully with an ordinary charge.

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

### **Checking and cleaning terminals and leads**

- Partially remove the battery from its housing.

- Check that the battery cable terminals and leads are in good conditions (not corroded or covered by deposits) and covered with neutral grease or petroleum jelly.

## Fuses (04\_13, 04\_14, 04\_15, 04\_16)

### IMPORTANT

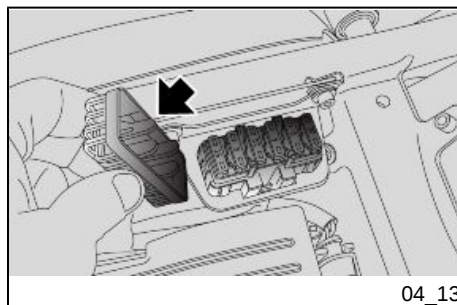


**DO NOT ATTEMPT TO REPAIR FAULTY FUSES.**

**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

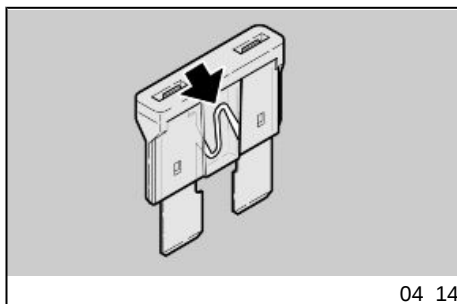
**A FUSE THAT BLOWS FREQUENTLY MAY INDICATE A SHORT CIRCUIT OR OVERLOAD. IF THIS OCCURS, CONTACT AN Official Guzzi Dealer.**



04\_13

### To check:

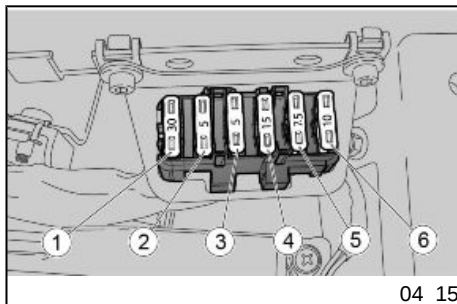
- Set the ignition switch to 'OFF' to avoid an accidental short circuit.
- Remove the saddle.
- Remove the fuse box cover.
- Take out one fuse at a time and check if the filament is broken.
- Before replacing the fuse, find and solve, if possible, the reason that caused the problem.
- If the fuse is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



04\_14

**NOTE**

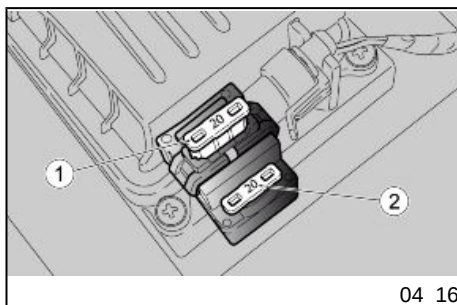
IF THE SPARE FUSE IS USED, REPLACE WITH ONE OF THE SAME TYPE IN THE CORRESPONDING FITTING.



04\_15

**FUSE DISTRIBUTION**

1. Main fuse, coil 1 and 2, fuel pump, injectors 1 and 2, lambda 1 and 2. (30 A).
2. (Battery positive) MIU G4 ECU, (battery positive) OBD2. (5 A).
3. (Battery positive) instrument panel, turn indicators, anti-theft. (5 A).
4. ECU, instrument panel, anti-fall sensor, start-up relay, injection load/ABS relay, clutch, start, anti-theft, canister. (15 A).
5. USB provision, bluedash provision, OBD2 provision, heated handles (if present). (7.5 A).
6. Low beam/high beam lights, passing, DRL/position lights, stop, horn. (10 A).



04\_16

**ABS FUSE LAYOUT**

1. ABS ECU (20 A).
2. Spare fuse (20 A).

## Lights (04\_17, 04\_18, 04\_19)

### IMPORTANT



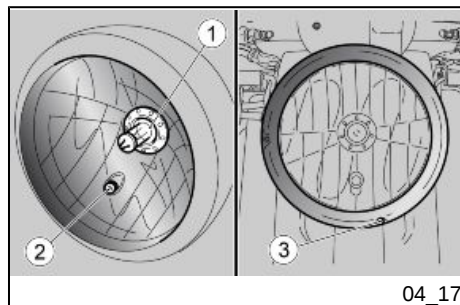
**BEFORE REPLACING A BULB, TURN THE IGNITION SWITCH TO «KEY OFF» AND WAIT A FEW MINUTES FOR THE BULB TO COOL OFF.**

**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.**

**(HALOGEN)**



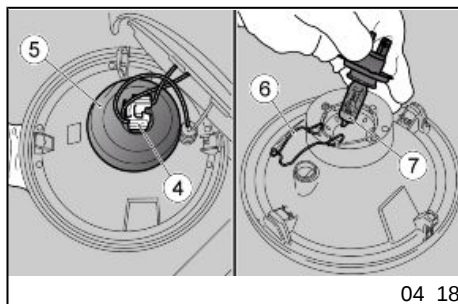
### BULB LAYOUT

The headlamp unit contains the following bulbs:

- 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 parabola from the headlight body by undoing the screw (3).

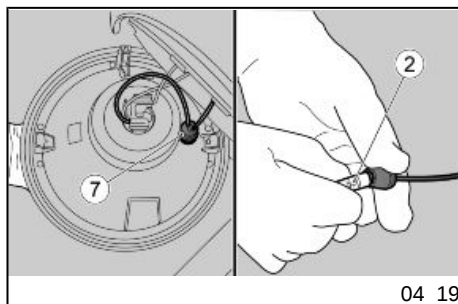


#### Low/high beam light bulb

- 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.
- Install a bulb of the same type adequately.

#### NOTE

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



#### Daytime running 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.

**(LED)**

#### IMPORTANT

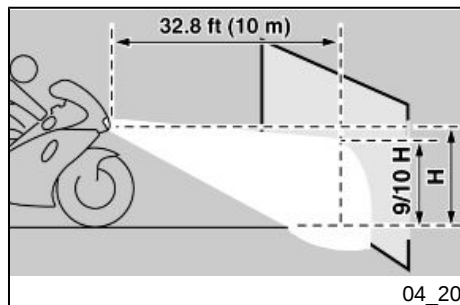
**TO REMOVE, CHECK AND REPLACE THE FRONT LIGHT ASSEMBLY LAMPS, CONTACT AN Authorised Moto Guzzi Dealership**

## Front light group

### Headlight adjustment (04\_20, 04\_21, 04\_22, 04\_23)

#### NOTE

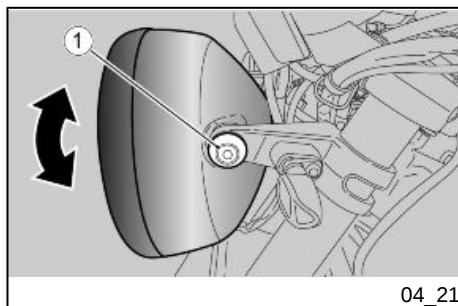
IN COMPLIANCE WITH LOCAL LEGAL REQUIREMENTS, SPECIFIC PROCEDURES MUST BE FOLLOWED WHEN CHECKING LIGHT BEAM ADJUSTMENT.



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

- Place the vehicle 32.81 ft (10 m) away 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).

(HALOGEN)



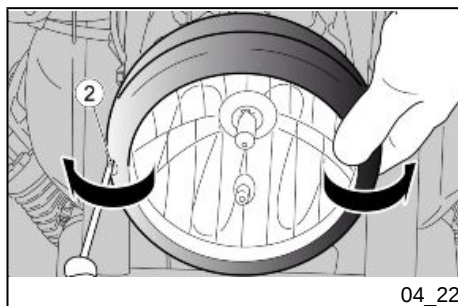
#### To carry out vertical adjustment of the light beam:

- Stand the motorcycle 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).

After adjusting:

#### NOTE

**CHECK THAT THE VERTICAL ALIGNMENT OF THE BEAM IS CORRECT.**



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

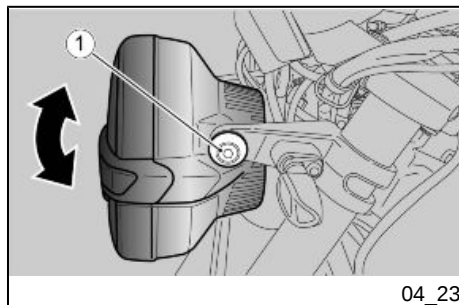
- Stand the motorcycle in a vertical position.
- Actuating on the screw (2) adjust the direction of the light beam.

After adjusting:

#### NOTE

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

(LED)



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

- Stand the motorcycle 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).

After adjusting:

### NOTE

**CHECK THAT THE VERTICAL ALIGNMENT OF THE BEAM IS CORRECT.**

## Front direction indicators

(LED)

### NOTE

**TO REMOVE, CHECK AND REPLACE THE FRONT TURN INDICATORS, PLEASE CONTACT AN Authorised Moto Guzzi Dealership**

## Rear lights

(LED)

### IMPORTANT

**TO REMOVE, CHECK AND REPLACE THE REAR LIGHT ASSEMBLY, CONTACT AN Authorised Moto Guzzi Dealership.**

## Rear turn signals

(LED)

### NOTE

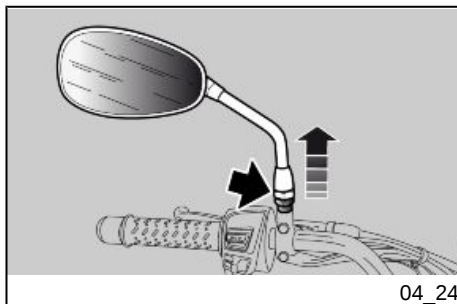
FOR DISASSEMBLY, VERIFICATION AND REPLACEMENT OF REAR INDICATORS PLEASE CONTACT AN Official Moto Guzzi Dealership

## Rear-view mirrors (04\_24, 04\_25)



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

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



04\_24

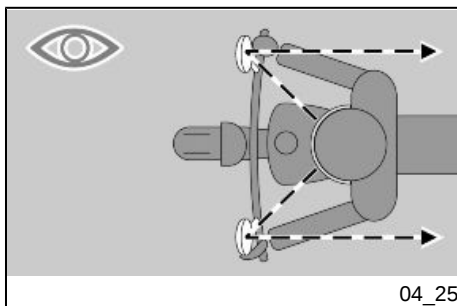
### Rear-view mirrors removal:

- Rest the vehicle on its stand.
- Loosen the locking nut.
- Slide up and remove the complete rear-view mirror unit.

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



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



#### 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\_26, 04\_27)

Do not ride your vehicle with worn or malfunctioning brakes! Brakes are one of the most important parts for your vehicle's safety system, and using a vehicle that does not have perfect brakes means you are at high risk of collisions and accidents, even fatal.



**IN CONDITIONS OF HUMID AND WET GROUND, THE PERFORMANCE OF THE BRAKING SYSTEM IS WIDELY REDUCED. WHEN THE ROAD SURFACE IS WET DUE TO RAIN, YOU SHOULD CHOOSE TO MAINTAIN A DOUBLE SAFETY DISTANCE, ALSO BECAUSE THE TYRE GRIP TO THE GROUND IS EXTREMELY REDUCED. PAY UTMOST ATTENTION TO WATER THAT MAY COME INTO CONTACT WITH THE BRAKES AFTER YOU WASH YOUR VEHICLE, OR WHILE YOU HAVE ENCOUNTERED PUDDLES ON THE ROAD, IT CAN SUFFICIENTLY WET YOUR BRAKING SYSTEM AND THUS EFFECTIVELY REDUCE THEM. FAILURE TO OBSERVE THIS WARNING CAN LEAD TO SERIOUS ACCIDENTS AND EVEN DEATH.**



**BRAKES ARE EXTREMELY IMPORTANT FOR YOUR SAFETY. DO NOT USE YOUR VEHICLE IF THE BRAKES ARE NOT WORKING PERFECTLY. ALWAYS CHECK THE EFFICIENCY OF THE BRAKES BEFORE RIDING THE VEHICLE.**



**IF THE POSITION OF THE BRAKE LEVER CHANGES, IT MAY BE DUE TO A PROBLEM WITH THE HYDRAULIC SYSTEM. FOR ANY DOUBT ABOUT THE PERFECT OPERATION OF THE BRAKES AND FOR THE NORMAL PERIODIC CHECK, CONTACT A Moto Guzzi Official Dealer BEFORE RIDING THE VEHICLE.**

**PAY UTMOST ATTENTION TO THE BRAKE DISCS AND THE FRICTION CAPACITY, MAKING SURE THEY ARE NOT DIRTY AND OILY, ESPECIALLY AFTER MAINTENANCE OR INSPECTION OPERATIONS. CHECK THAT THE BRAKE PIPES ARE NOT GLAZED OR TWISTED, AND THAT THERE IS NO LEAKAGE.**

**KEEP BRAKE FLUID OUT OF THE REACH OF CHILDREN. DISPOSE OF BRAKE FLUID CORRECTLY.**

#### **IMPORTANT**



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

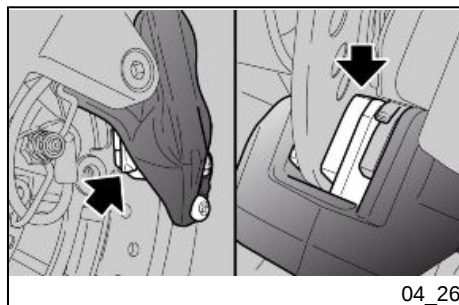
**REPLACE DIRTY PADS AND CLEAN AGAIN THE DIRTY DISC USING A TOP QUALITY DEGREASING PRODUCT.**

#### **IMPORTANT**

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

**IMPORTANT**

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



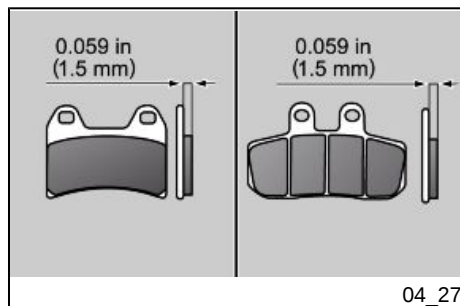
04\_26

**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: at the front, from the bottom to the top for the front brake calliper; at the rear, from the top to the bottom, for the rear brake calliper.

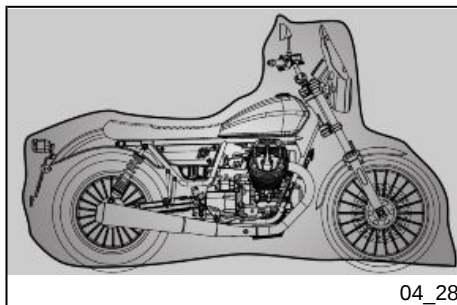
**IMPORTANT**

**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.**



04\_27

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



04\_28

## Periods of inactivity (04\_28)

A number of precautionary measures must be taken to prevent the possible consequences of prolonged lack of usage of the vehicle. 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.

### IMPORTANT

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

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

### IMPORTANT

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

### AFTER STORAGE

#### NOTE

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

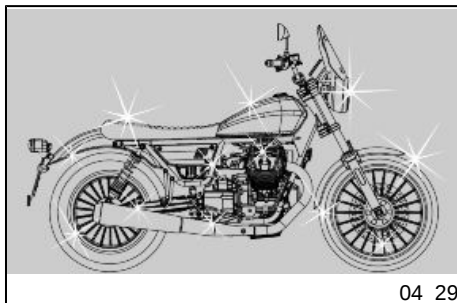
- Uncover and clean the vehicle.

- Check the battery for correct charge and install it.
- Refill the fuel tank.
- Carry out the pre-ride checks.

#### IMPORTANT



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



04\_29

### Cleaning the vehicle (04\_29, 04\_30, 04\_31)

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.



**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. DO NOT INSIST WITH THE PRESSURE NOZZLE ON THE WHEEL BEARINGS, INSIDE THE REAR WHEEL HUB, ON THE HYDRAULIC BRAKING CIRCUIT AND ON THE ELECTRICAL PARTS.**

### **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 is easy to identify marks and residual stains, remove these from the bodywork using a soft cloth, of a non-abrasive polish brand. Periodic care, a thorough cleaning of 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**

## FRONT HEADLIGHT

Do not use products containing aggressive agents during use or during washing, due to the structure of the bottom bracket cup, under the frame can be detected water or dirt.

Since water outside the headlight will dry due to the heat and ventilation during use of the motorcycle, in case of persistence use compressed air at a distance of 10 cm from the headlight.



**TO CLEAN THE HEADLIGHTS USE A SPONGE SOAKED IN WATER AND MILD DETERGENT, RUBBING THE SURFACE GENTLY AND RINSING FREQUENTLY WITH PLENTY OF WATER. 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 PAINTWORK IF IT DRIES BEFORE BEING RINSED OFF.**

## CHROME PARTS AND POLISHED METAL



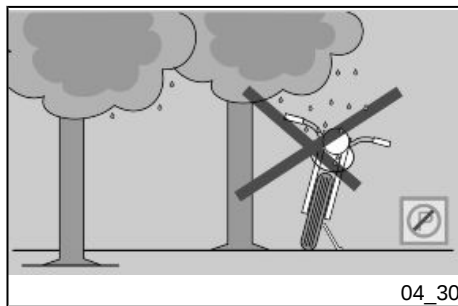
**TREAT THE PARTS MADE OF CHROME, ALUMINIUM OR POLISHED STEEL IN A SPECIAL MANNER. WASH THEM WITH PLENTY OF WATER AND CAR SHAMPOO, POLISH AND REGULARLY BRIGHTEN THEM WITH DEDICATED PASTE, PROTECT THEM WITH SUITABLE ACID-FREE PRODUCTS (E.G. VASELINE)**

## 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**



**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. During some seasons, resins, fruits or leaves containing aggressive chemical substances that may damage the paintwork may fall from trees.

#### **IMPORTANT**



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

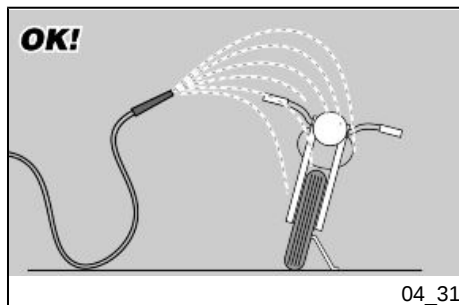
#### **IMPORTANT**



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

**IMPORTANT**

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



To remove dirt and mud accumulated on painted surfaces, wet the soiled areas thoroughly with a low-pressure water jet, then remove dirt and mud with a soft car body sponge soaked abundantly in a solution of car body shampoo in water (2 - 4% shampoo dissolved in water). Then rinse with plenty of water, and dry with a chamois leather. To clean the engine outer parts, use degreasing detergent, brushes and old cloths. Wash anodised or painted aluminium parts with neutral soap and water. Using aggressive detergents may damage the surface treatment of these components.

**IMPORTANT**

**NEVER USE CLOTHS SOAKED IN PETROL, DIESEL OIL OR KEROSENE FOR CLEANING THE PAINTED OR PLASTIC SURFACES SO AS NOT TO DAMAGE THE LUSTRE FINISH OR ALTER THE MECHANICAL PROPERTIES.**

**IMPORTANT**

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

**IMPORTANT**

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

DRY THE SADDLE WELL AFTER CLEANING.

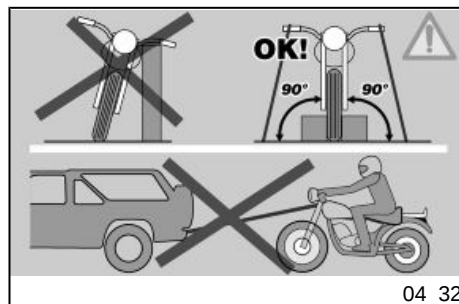
THE USE OF WAX OR SIMILAR PRODUCTS COMPROMISES THE SAFETY OF THE SADDLE ITSELF.



WHEN USING A SYSTEM OF PRESSURE WASHING (AFTER CHECKING THAT ANY DETERGENTS ARE COMPATIBLE WITH THE MOTORCYCLE FINISH), KEEP A DISTANCE OF AT LEAST ONE METRE.



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



04\_32

**Transport (04\_32)****NOTE**

BEFORE TRANSPORTING THE VEHICLE, CAREFULLY EMPTY THE FUEL TANK AND CHECK THAT IT IS COMPLETELY 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 .**

# V9



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

**DIMENSIONS AND MASS**

|                                               |                    |
|-----------------------------------------------|--------------------|
| Max. length. (Roamer)                         | 88.19 in (2240 mm) |
| Max. length. (Bobber)                         | 86.02 in (2185 mm) |
| Max. width (Roamer)                           | 34.06 in (865 mm)  |
| Max. width (Bobber)                           | 33.07 in (840 mm)  |
| Max. height (to top fairing)<br>(Roamer)      | 51.18 in (1300 mm) |
| Max. height. (at the instruments)<br>(Bobber) | 44.09 in (1120 mm) |
| Wheelbase                                     | 57.68 in (1465 mm) |
| Kerb weight                                   | 462.97 lb (210 Kg) |

**ENGINE**

|                     |                                       |               |
|---------------------|---------------------------------------|---------------|
| Type                | traverse-mounted<br>four-stroke V 90° | twin-cylinder |
| Number of cylinders | 2                                     |               |
| Engine capacity     | 52.05 cu in (853 cc)                  |               |

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Bore / stroke      | 3.31x3.03 in (84x77 mm)                                |
| Compression ratio  | 10.5 ± 0.5: 1                                          |
| Starting           | Electric                                               |
| Idle engine speed  | 1250 +/- 100 rpm. (rpm)                                |
| Clutch             | single disc dry clutch with flexible coupling          |
| Lubrication system | 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 capacity (including reserve) | 3.96 +/- 0.13 US gal (3.30 +/- 0.11 UK gal; 15 +/- 0.5 l) |
|----------------------------------------|-----------------------------------------------------------|

|                                         |                                                               |
|-----------------------------------------|---------------------------------------------------------------|
| Fuel tank reserve capacity              | 1.06+/-0.13 US gal (0.88+/-0.11 UK gal; 4+/-0.5 l)            |
| Engine oil                              | Oil change and oil filter replacement: 106.79 cu in (1750 cc) |
| Gearbox oil                             | 30.51 cu in (500 cc)                                          |
| Bevel gear set oil                      | 10.98 cu in (180 cc)                                          |
| Bevel gear oil (in case of replacement) | 9.76 cu in (160 cc) MAX                                       |
| Seats                                   | 2                                                             |
| Max. vehicle load                       | 925.94 lb (420 kg) (driver + passenger + luggage)             |

### **TRANSMISSION**

|                       |                                        |
|-----------------------|----------------------------------------|
| Primary drive         | with gears, ratio: 18 / 23 = 1 : 1.277 |
| Gear ratios, 1st gear | 16 / 39 = 1: 2.437                     |
| 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 | 28 / 24 = 1: 0.857                     |
| Final drive           | with shaft, ratio 8 / 33 = 1 : 4,125   |

**POWER SUPPLY**

|          |                                       |
|----------|---------------------------------------|
| Type     | Electronic injection (Marelli MIU G4) |
| Diffuser | diam. 1.50 in (38 mm)                 |
| Fuel     | Unleaded gasoline E10 (95 R.O.N.)     |

**CHASSIS**

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| Type                | Modular double cradle, high-strength steel tubular chassis |
| Steering rake angle | 26°                                                        |
| Trail               | 4.61 in (117 mm)                                           |

**SUSPENSIONS**

|                 |                                                                                        |
|-----------------|----------------------------------------------------------------------------------------|
| Front           | hydraulic telescopic fork diam. 1.57 in (40 mm)                                        |
| Travel          | 5.39 in (137 mm)                                                                       |
| Rear (standard) | Swingarm in die-cast light alloy, 2 shock absorbers with adjustable spring pre-loading |

|                   |                 |
|-------------------|-----------------|
| Stroke (standard) | 3.15 in (80 mm) |
|-------------------|-----------------|

### **BRAKES**

|       |                                                                                                     |
|-------|-----------------------------------------------------------------------------------------------------|
| Front | stainless steel floating disc diam. 12.59 in (320 mm) calliper with 4 distinct and opposing pistons |
| Rear  | stainless steel disc diam. 10.24 in (260 mm) floating calliper with 2 pistons diam. 0.87 in (22 mm) |

### **WHEEL RIMS**

|                |                                 |
|----------------|---------------------------------|
| Type           | Alloy wheels for tubeless tyres |
| Front (Roamer) | 2.5" x 19"                      |
| Front (Bobber) | 3.5" x 16"                      |
| Rear           | 4.0" x 16"                      |

### **TYRES**

|                |                   |
|----------------|-------------------|
| Front (Roamer) | 100 / 90 - 19 57V |
|----------------|-------------------|

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| Front (Bobber)                                        | 130 / 90 - 16 67H                        |
| Front tyre inflation pressure (Roamer)                | 33.36 PSI (230 kPa) (2.3 bar)            |
| Front tyre inflation pressure (Bobber)                | 36.26 PSI (250 kPa) (2.5 bar)            |
| Front tyre inflation pressure with passenger (Roamer) | 34.81 PSI (240 kPa) (2.4 bar)            |
| Front tyre inflation pressure with passenger (Bobber) | 37.71 PSI (260 kPa) (2.6 bar)            |
| Rear (Roamer)                                         | 150 / 80 - V16 71V                       |
| Rear (Bobber)                                         | 150 / 80 - B16 71H<br>150 / 80 - B16 77H |
| Rear tyre inflation pressure (Roamer)                 | 36.26 PSI (250 kPa) (2.5 bar)            |
| Rear tyre inflation pressure (Bobber)                 | 40.61 PSI (280 kPa) (2.8 bar)            |
| Rear tyre inflation pressure with passenger (Roamer)  | 37.71 PSI (260 kPa) (2.6 bar)            |
| Rear tyre inflation pressure with passenger (Bobber)  | 42.06 PSI (290 kPa) (2.9 bar)            |

### **SPARK PLUGS**

|                          |                   |
|--------------------------|-------------------|
| Standard                 | NGK IR MR8BI-8    |
| Spark plug electrode gap | 0.031 in (0.8 mm) |

|            |        |
|------------|--------|
| Resistance | 5 kOhm |
|------------|--------|

### **ELECTRICAL SYSTEM**

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

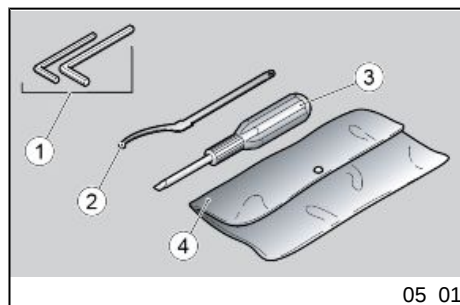
### **BULBS**

|                               |                                   |
|-------------------------------|-----------------------------------|
| Low/high beam light (halogen) | 12 V - 55 W / 60 W H4             |
| Front DRL                     | 12 V - 5 W                        |
| Turn indicators               | 12 V - 10 W (orange RY 10 W bulb) |
| taillight /stop lights        | 12 V - 5 / 21 W                   |
| Dashboard lighting            | LED                               |

### **INDICATOR LAMPS**

|                    |     |
|--------------------|-----|
| Gearbox in neutral | LED |
| Turn indicators    | LED |

|                     |     |
|---------------------|-----|
| Fuel reserve        | LED |
| High beam headlight | LED |
| General alarm       | LED |
| MI warning light    | LED |
| ABS warning light   | LED |
| MGCT warning light  | LED |



### Toolkit (05\_01)

#### The tools supplied are:

- hexagonal L-wrenches 0.16 - 0.20 in (4 - 5 mm) (1);
- shock absorber preload adjustment wrench (2);
- cross-head/flat double-bit screwdriver (3);
- storage bag (4).



# V9



**Chap. 06**  
**Scheduled**  
**maintenance**



06\_01

## Scheduled servicing table (06\_01)

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

For this reason a series of checks and maintenance services has been prepared, available for purchase separately, listed together in the chart on the following page. It is a good idea to report small performance anomalies right away to an **Authorised Service Centre**, without waiting for the next scheduled service, so they can be repaired immediately.

It is necessary to have your vehicle serviced to the prescribed intervals of time, even if you have not reached the predicted mileage. Services must be performed punctually at the correct intervals to maintain the validity of the warranty. For any additional information concerning Warranty procedures and 'Scheduled Maintenance', please consult the 'Warranty Conditions'.

### 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: CHECK AND CLEAN, ADJUST, LUBRICATE OR REPLACE, IF NECESSARY

C: CLEAN

R: REPLACE

A: ADJUST

L: LUBRICATE

(1): Replace in case of leaks

(2): Replace every 4 years

(3): Check every month

(4): Check every 3.106 mi (5.000 Km)

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

(6): Replace at whichever of the following occurs first: 24,855 miles (40,000 Km) or 4 years

(7): At each service (except the first one), check inside the filter box, if there is oil. Clean if necessary

### **SCHEDULED MAINTENANCE TABLE**

| <b>mi x 1,000 (km x 1,000)</b>              | <b>0.9 (1.5)</b> | <b>6.2 (10)</b> | <b>12.4 (20)</b> | <b>18.6 (30)</b> | <b>24.9 (40)</b> | <b>31.1 (50)</b> | <b>37.3 (60)</b> |
|---------------------------------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| Oil filter cover O-ring                     | R                | R               | R                | R                | R                | R                | R                |
| Gearbox oil filler plug O-ring              |                  |                 |                  | I                |                  |                  | I                |
| Engine oil filler plug O-ring               | I                | I               | I                | I                | I                | I                | I                |
| Spark plugs                                 |                  | R               | R                | R                | R                | R                | R                |
| Filter box (7)                              |                  | C               | C                | C                | C                | C                | C                |
| Steering bearings and steering play         | I                | I               | I                | I                | I                | I                | I                |
| Wheel bearings - Wheels                     |                  | I               | I                | I                | I                | I                | I                |
| Diagnosis by tool                           | I                | I               | I                | I                | I                | I                | I                |
| Brake discs - Pads wear (5)                 | I                | I               | I                | I                | I                | I                | I                |
| Air filter                                  |                  | R               | R                | R                | R                | R                | R                |
| Engine oil filter                           | R                | R               | R                | R                | R                | R                | R                |
| Vehicle general operation                   | I                | I               | I                | I                | I                | I                | I                |
| Valve clearance                             | A                | A               | A                | A                | A                | A                | A                |
| Head cover gasket                           | I                | I               | I                | I                | I                | I                | I                |
| Gearbox oil discharge plug aluminium gasket |                  |                 |                  | R                |                  |                  | R                |

| <b>mi x 1,000 (km x 1,000)</b>                   | <b>0.9 (1.5)</b> | <b>6.2 (10)</b> | <b>12.4 (20)</b> | <b>18.6 (30)</b> | <b>24.9 (40)</b> | <b>31.1 (50)</b> | <b>37.3 (60)</b> |
|--------------------------------------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| Engine oil discharge plug aluminium gasket       | R                | R               | R                | R                | R                | R                | R                |
| Transmission oil discharge plug gasket           |                  |                 |                  | R                |                  |                  | R                |
| Gasket for the engine oil filter fastening screw | R                | R               | R                | R                | R                | R                | R                |
| Brake 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                                      | I                | I               | I                | I                | I                | I                | I                |
| Gearbox oil                                      |                  |                 |                  | R                |                  |                  | R                |
| Fork oil (6)                                     |                  |                 |                  |                  | R                |                  |                  |
| Engine oil (4)                                   | R                | R               | R                | R                | R                | R                | R                |
| Final drive oil                                  |                  |                 |                  | R                |                  |                  | R                |
| Headlight aiming                                 |                  | I               | I                | I                | I                | I                | I                |
| Fork oil seals (1)                               |                  | I               | I                | I                |                  | I                | I                |
| Tyres - pressure / wear (3)                      | I                | I               | I                | I                | I                | I                | I                |
| Clutch clearance adjustment                      | A                | A               | A                | A                | A                | A                | A                |
| Transmission oil filler plug washer              |                  |                 |                  | R                |                  |                  | R                |
| Nut/bolt tightness                               | I                | I               | I                | I                | I                | I                | I                |
| Suspensions and stability                        |                  |                 | I                |                  | I                |                  | I                |
| Head cover fastening screws dampers              | I                | I               | I                | I                | I                | I                | I                |
| Filter box drain plug                            | C                | C               | C                | C                | C                | C                | C                |
| Brake lines                                      |                  | I               | I                | I                | I                | I                | I                |

| mi x 1,000 (km x 1,000) | 0.9 (1.5) | 6.2 (10) | 12.4 (20) | 18.6 (30) | 24.9 (40) | 31.1 (50) | 37.3 (60) |
|-------------------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| Fuel lines (2)          |           |          |           |           |           |           |           |



06\_02

### Recommended Products (06\_02)

Piaggio Group recommends the use of products from its Castrol official partner for the scheduled maintenance of its vehicles.

Only use lubricants and fluids which meet or exceed the performance characteristics specified. This also applies when topping up only.

### TABLE OF RECOMMENDED PRODUCTS

| Product                                           | Description                                                         | Specifications                                    |
|---------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------|
| Engine oil 10W-60                                 | Synthetic based Lubricant for four stroke high performance engines. | SAE 10W 60; JASO MA, MA2; API SG                  |
| 75W-140 lubricant for gearboxes and transmissions | Synthetic lubricant for gearboxes and transmissions                 | SAE 75W-140 - API GL5                             |
| Fork oil 7.5W                                     | Fork oil.                                                           | SAE 7.5W                                          |
| Molybdenum disulphide grease                      | Lithium grease with molybdenum disulphide.                          | Grey black grease                                 |
| Petroleum jelly                                   | neutral grease for battery terminals                                | -                                                 |
| DOT 4 brake fluid                                 | Synthetic brake fluid.                                              | SAE J 1703; FMVSS 116; ISO 4925; CUNA NC 956 DOT4 |



# V9



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

## Index accessoires

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

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

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#### THE VALUE OF GOOD SERVICE

As a result of continuous updates and specific technical training programs 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 bike's reliability also depends on its mechanical condition. Checking the vehicle before riding it, its regular maintenance and the use of **original Moto Guzzi spare parts** only are essential factors!

To find out which is your nearest **Official Dealer and/or Service Center** visit our website:

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

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

The descriptions and images in this publication are given for illustrative purposes only.

While the basic features as described and illustrated in this manual remain unchanged, Moto Guzzi reserves the right, at any time and without being required to update this publication beforehand, to make any changes to components, parts or accessory supplies which it deems necessary to improve the product, or which are required for manufacturing or commercial reasons.

Not all versions shown in this publication are available in all countries. The availability of individual versions should be checked with the official Moto Guzzi Sales Network.

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