

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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Chap. 01
General rules

General Safety Rules

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

Your safety and that of other persons does not depend only on your ability to drive, but also on an understanding of the vehicle and how to drive it safely. Therefore the vehicle should not be used on public roads or freeways before receiving instructions from a qualified safety organisation like the Motorcycle Safety Foundation, being well-prepared and having a driving licence for motorcycles.

Foreword

NOTE

THIS USE AND MAINTENANCE MANUAL IS AN IMPORTANT DOCUMENT AND SHOULD ALWAYS BE KEPT TOGETHER WITH THE VEHICLE. IF THE VEHICLE IS SOLD, PLEASE GIVE THIS BOOKLET TO THE NEW OWNER.

Moto Guzzi created this use and maintenance booklet to provide you, as the rider, with correct and current information. However, given the fact that **Moto Guzzi** is continually improving the design of its vehicles, it is possible that there may be slight differences between the characteristics of your vehicle and those outlined in this manual. For any clarification you may need about your vehicle, contact your local **Moto Guzzi** Dealership, which will always have the most current information available from the company. For checks and repairs not expressly described in this manual, for purchase of original spare parts, accessories and other **Moto Guzzi** products, and for assistance with specific problems, contact your local **Moto Guzzi** Dealership or Service Center. The professionals there will provide you with quick and thorough assistance.

Thanks for choosing **Moto Guzzi**.

Safe Riding!

This use and maintenance booklet is protected by copyright law in all countries, and total or partial reproduction using any printing or electronic method is prohibited.

Carbon Monoxide

IMPORTANT



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

IMPORTANT



CARBON MONOXIDE IS ODORLESS AND COLORLESS. FOR THIS REASON YOU CANNOT SMELL, SEE OR IDENTIFY IT WITH THE OTHER SENSES. DO NOT BREATHE 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.



A FALL OR EXCESSIVE TILTING OF THE VEHICLE COULD CAUSE FUEL TO SPILL.

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 LIGHTS ILLUMINATE DURING NORMAL ENGINE FUNCTIONING, IT MEANS THAT THE ELECTRONIC CONTROL UNIT HAS FOUND AN ABNORMALITY.



IF THE GENERAL ALARM WARNING LIGHT (OIL PRESSURE ALARM) FLASHES DURING NORMAL ENGINE FUNCTIONING, IT 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 STAYS ON 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



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

KEEP OUT OF REACH OF CHILDREN.

Battery Hydrogen Gas and Electrolyte

IMPORTANT



THE BATTERY ELECTROLYTE IS TOXIC, CORROSIVE AND AS IT CONTAINS SULFURIC ACID, IT CAN CAUSE BURNS WHEN IN CONTACT WITH THE SKIN. WHEN HANDLING BATTERY ELECTROLYTE, WEAR TIGHT-FITTING GLOVES AND PROTECTIVE APPAREL. IF THE ELECTROLYTIC FLUID COMES INTO CONTACT WITH THE SKIN, RINSE CAREFULLY WITH COLD WATER. IT IS PARTICULARLY IMPORTANT TO PROTECT YOUR EYES BECAUSE EVEN TINY AMOUNTS OF BATTERY ACID MAY CAUSE BLINDNESS. IF IT SHOULD COME INTO CONTACT WITH THE EYES, SEE AN OPHTHALMOLOGIST PROMPTLY. THE BATTERY RELEASES EXPLOSIVE GASES. KEEP IT AWAY OF FLAMES,

SPARKS, CIGARETTES OR ANY OTHER HEAT SOURCE. ENSURE ADEQUATE VENTILATION WHEN SERVICING OR RECHARGING THE BATTERY.

KEEP OUT OF REACH OF CHILDREN

THE BATTERY LIQUID IS CORROSIVE. DO NOT POUR IT OR SPILL IT, PARTICULARLY ON PLASTIC COMPONENTS. ENSURE THAT THE ELECTROLYTIC ACID IS COMPATIBLE WITH THE BATTERY TO BE ACTIVATED.

General Precautions and Warnings

Except where specified in this Use and Maintenance Manual, do not disassemble any mechanical or electrical component.

IMPORTANT

SOME OF THE VEHICLE'S CONNECTORS CAN BE EASILY CONFUSED AND IF ATTACHED INCORRECTLY CAN CAUSE PROBLEMS WITH NORMAL VEHICLE PERFORMANCE.

In the case of questions related to your rights and warranty liability, 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 you believe that your vehicle has a defect that could cause an accident, injuries or death, immediately inform NHTSA (**National Highway Traffic Safety Administration**) and **Moto Guzzi**. If NHTSA receives other similar information they may open an investigation and if they find the presence of a safety defect for a group of vehicles, they may order a recall or correction campaign. In any case, NHTSA will not involve itself in individual problems between yourself, your dealership or **Moto Guzzi**. To contact the NHTSA, call the toll-free **Vehicle Safety Hotline** (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 concerning vehicle safety, call the toll-free number.

Your safety and the safety of the persons around you depend not only on your riding ability, but also on your knowledge of your vehicle and safety rules.

For this reason, it is essential that you do not use your vehicle on public streets or on the highway until you have attended a course organized by a qualified and serious safety organization, for example the MOTORCYCLE SAFETY FOUNDATION.

LIST OF DEFECTS THAT COMPROMISE SAFETY

If you believe that your vehicle has a defect that could cause accidents or death, you must immediately inform the National Highway Traffic Safety Administration (NHTSA), a section of the U.S. Department of Transportation.

After receiving information about such defects the NHTSA may open an investigation to discover if there is a group of defective vehicles on the market. At that point, they may initiate an informational campaign to recall said vehicles from the market. In any case, neither the NHTSA nor the Department of Transportation will be involved in personal issues between the consumer and the maker,

It is possible to obtain additional information by telephoning the appropriate number.

Road Regulations and Use of the Motorcycle

The rules of the road vary from state to state. Before starting out it is important to be familiar with the rules of the road of the state in which you will be using your vehicle.

IMPORTANT



THIS VEHICLE WAS DESIGNED TO BE USED EXCLUSIVELY ON PAVED ROADS. IT IS NOT INTENDED TO BE USED OFF ROAD, ON RACE TRACKS, FOR

OFF ROAD OR MOTOCROSS RACES. DO NOT USE THIS VEHICLE ON IRREGULAR SURFACES, DIRT OR GRAVEL ROADS. NOT OBSERVING THESE WARNINGS MAY LEAD TO A FALL RESULTING IN INJURY OR EVEN DEATH.

Noise Emission Warranty

Piaggio & C. S.p.A., guarantees that at the moment of production, the exhaust system conforms with all U.S. **EPA** federal noise emission standards. Any questions regarding the exhaust system of this vehicle should be directed to any Authorized **Moto Guzzi** Dealer or to **Moto Guzzi** Customer Care at (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 CREATES CARBON MONOXIDE AND HYDROCARBONS. THE HYDROCARBON CHECK IS VERY IMPORTANT BECAUSE UNDER CERTAIN CONDITIONS THESE CAN REACT TO SUNLIGHT AND CREATE PHOTOCHEMICAL SMOG.

CARBON MONOXIDE DOES NOT REACT IN THE SAME WAY, BUT IT IS TOXIC AND HARMFUL. Moto Guzzi USES A CARBURETOR SYSTEM BASED ON A "LEAN" FUEL MIX AND OTHER SYSTEMS TO REDUCE THE PRODUCTION OF CARBON MONOXIDE AND HYDROCARBONS.

Tampering

Tampering with the exhaust system is not allowed. Federal law prohibits the following actions:

a) The removal of any device or element intended to control noise emissions included in all new vehicles, or any action, on the part of any person, intended to render these inoperative, except for purposes of maintenance, repair, or substitution, either before delivery to the final purchaser or during utilization of the vehicle,

or

b) use of the vehicle after said device or element has been removed or made inoperable by any person.

The following actions are also defined as tampering:

a) Removal or perforation of the muffler, baffles, inflow tubes, or any other component that conveys exhaust fumes.

b) Dismantling or perforating any component of the intake system.

c) Insufficient maintenance.

d) Substitution of any moving parts or any parts of the intake or exhaust systems with parts different than those specified by the manufacturer.

e) Removal of decals or warning labels concerning emissions or the safe operation of the vehicle. **DAMAGES RESULTING FROM THE REMOVAL OF DECALS AND/OR WARNING LABELS ARE NOT COVERED UNDER THE CONDITIONS OF THE MOTO GUZZI NEW VEHICLE LIMITED WARRANTY.** In addition, many countries may refuse to allow the registration of a vehicle that lacks warning labels relative to emissions and/or safety, if these labels are not properly attached. The owner of the vehicle must recognize that Piaggio Group Americas, Inc. / Moto Guzzi USA will not recognize any warranty when the vehicle or any of its components are damaged or are considered defective as a result of neglect, improper maintenance, unauthorized modifications, use in racing either organized or unorganized or in events such as Track Days.

IMPORTANT

THIS PRODUCT SHOULD BE REPAIRED OR REPLACED IF THE NOISE OF THE VEHICLE SHOULD SIGNIFICANTLY INCREASE WITH USE. OTHERWISE THE OWNER COULD BE FINED UNDER STATE OR LOCAL REGULATIONS.

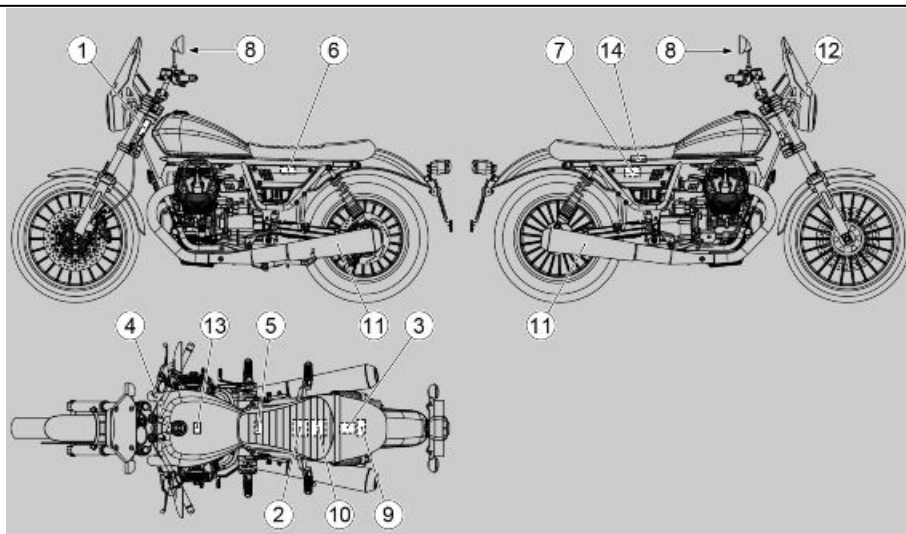
Problems that May Affect the Motorcycle Emissions

Whenever you encounter one of the following warning signs, immediately have your vehicle checked and repaired at your local **Moto Guzzi** Dealership.

Symptoms:

- Difficulty starting. Stalling after start up.
- Ignition problems or ignition advance while accelerating.
- Combustion delay (spark advance).
- Poor engine performance, reduced handling, or excessive fuel consumption.

Position of the Warning Labels (01_01)



01_01

Label 1 (01_02, 01_03)

☐ MFD BY MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A. THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE VIN: ☐ TYPE: MOTORCYCLE	☐ GVWR ??? KG (??? LB) GAWR F. ??? KG (??? LB) WITH ???/?? - ??? TIRE AND 7.?? x ?? MT DOT RM AT ??? KPA (?? PSI) COLD GAWR R. ??? KG (??? LB) WITH ???/?? - ??? TIRE AND 7.?? x ?? MT DOT RM or ???/?? - ??? TIRE AND 7.?? x ?? MT DOT RM AT ??? KPA (?? PSI)
--	---

USA

01_02

☐ MFD BY / FABRIQUE PAR: ☐ MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A.
GWR / PNEU: ??? KG FRONT / AVANT GAWR / PMB: ??? KG REAR / ARRIERE GAWR / PMB: ??? KG THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED UNDER THE CANADIAN MOTOR VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE. CE VEHICULE EST CONFORME A TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU REGLEMENT SUR LA SECURITE DES VEHICULES AUTOMOBILES DU CANADA EN VIGUEUR A LA DATE DE SA FABRICATION.
VIN / NIV:
☐ TYPE: MC ☐ .???-

CDN

01_03

Label 2 (01_04)

HOSE ROUTING DIAGRAM EVAP FAMILY: ?????????? MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A. -???-
<u>CARBON CANISTER</u> <u>SCHEME</u>

01_04

⚠ 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 kPa - (psi)		Tires size
		Front tire	Rear tire	
		???	???	Tires size
		(??)	(??)	
	+	???	???	
		(??)	(42)	Tires size
	+	???	???	
	+	(??)	(??)	

Front tire
 ?????? { ?????? ??' ??
 ???????
 ???????

Rear tire
 ??????? { ?????? ??' ??
 ???????
 ???????

01_05

Label 3 (01_05)

⚠ 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.

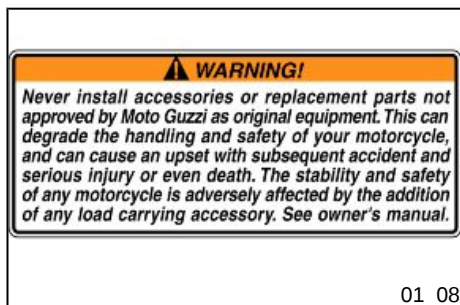
01_06

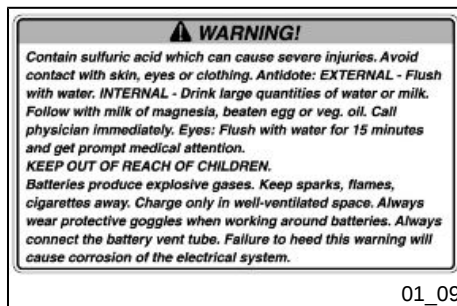
Label 4 (01_06)

Label 5 (01_07)

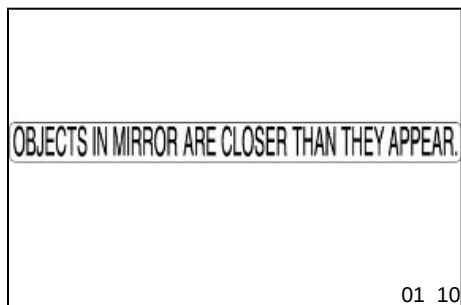


Label 6 (01_08)





Label 7 (01_09)



Label 8 (01_10)

Label 9 (01_11)

MOTORCYCLE NOISE EMISSION CONTROL INFORMATION THIS (MY) ?????????? MOTORCYCLE, ?????? MEETS EPA NOISE EMISSION REQUIREMENTS OF 80 dBA AT ??? closing r.p.m. BY FEDERAL TEST PROCEDURE. MODIFICATIONS WHICH CAUSE THIS MOTORCYCLE TO EXCEED FEDERAL NOISE STANDARDS ARE PROHIBITED BY FEDERAL LAW. SEE OWNER'S MANUAL. -???-  MOTO GUZZI
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01_11

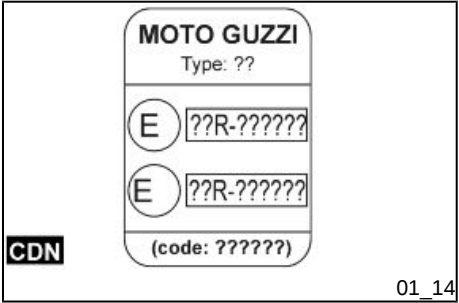
Label 10 (01_12)

VEHICLE EMISSION CONTROL INFORMATION ENGINE DISPLACEMENT: ??? cc ENGINE FAMILY: ?????????? PERMEATION FAMILY: ???????????? THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO ??? MODEL YEAR NEW MOTORCYCLES AND IS CERTIFIED TO ?? HC+NOx G/KM ENGINE FAMILY EXHAUST EMISSION STANDARD. ENGINE EXHAUST CONTROL SYSTEM: ????? ENGINE TUNE UP SPECIFICATIONS IGNITION TIMING: ??° ± ?° AT ??? RPM IDLE SPEED: ??? ± ??? RPM IN NEUTRAL VALVE CLEARANCE: INLET ????±???? inch (?.??±?.?? mm) OUTLET ????±???? inch (?.??±?.?? mm) SPARK PLUG: ????? FUEL: MINIMUM OCTANE RATING (M+R)/2 METHOD 90 OIL: ENGINE OIL VISCOSITY SAE ???-?? -???- MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A. V.le Rinaldo Piaggio, 25 56025 Pontedera (PI) ITALY  MOTO GUZZI	PIAGGIO GROUP AMERICAS, Inc.
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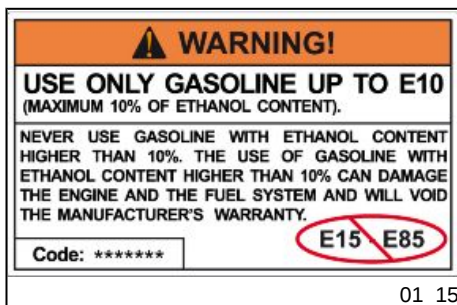
01_12



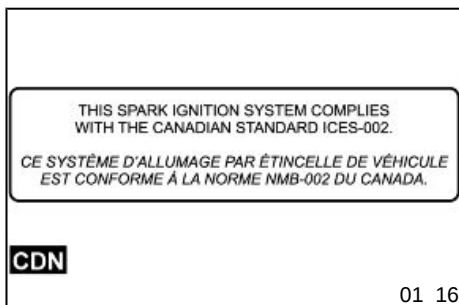
Label 11 (01_13)



Label 12 (01_14)



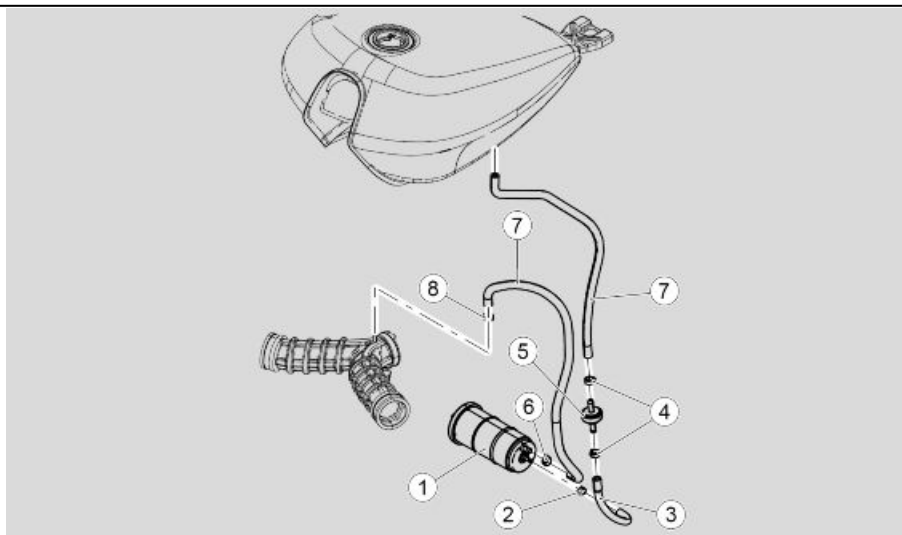
Label 13 (01_15)



Label 14 (01_16)

- Plate only on Canadian version vehicle.

California evaporative emission system (01_17)



01_17

Key:

1. Canister
2. Hose clamp
3. SAE hose 30 R12A-3/16
4. Clamp 12.5x8
5. Pressure valve
6. Clamp
7. SAE hose 30 d.12.7x6.35
8. Clamp 7.6x380

NOTE

IN CASE OF SYSTEM MALFUNCTION CONTACT AN Official Moto Guzzi Dealership

Your Warranty Rights and Obligations

The United States Environmental Protection Agency, the California Air Resources Board and the Moto Guzzi Division of **Piaggio & C. S.p.A.** (hereafter "**Moto Guzzi**") are pleased to present the emission control system warranty for your motorcycle produced in 1999 or thereafter. In California, new motorized vehicles must be designed, constructed and equipped to conform with the strict anti-smog standards in the United States. **Moto Guzzi** must guarantee the emission control system on your motorcycle for the periods of time listed below, with the exception of violations, negligence or improper maintenance of your motorcycle.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic converter and engine computer. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a legitimate condition exists, **Moto Guzzi** will repair your motorcycle for free, including diagnosis, spare parts, and labor.

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 (12,000 km), whichever occurs first.

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 (18,000 km), whichever occurs first.

Class III motorcycles (17.09 cu in and larger) (280 cc): for a period of use of five (5) years or 18,641 mi (30,000 km), whichever occurs first.

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

Moto Guzzi - LIMITED WARRANTY DECLARATION ON THE EMISSIONS CONTROL SYSTEM (ONLY FOR THE USA MARKET)

Piaggio & C. S.p.A., Via E. V. Parodi, 57, 23826 Mandello del Lario (LC) Italy (hereafter "**Moto Guzzi**") guarantees that all **Moto Guzzi** motorcycles produced in 1999 and from then on which include front and rear brake lights as standard parts are sanctioned for street use:

a) they have been designed, constructed, and equipped in compliance with all United States Environmental Protection Agency (US Environmental Protection Agency) and the California Air Resources Board norms in force at the moment of the initial sale to the public;

e

b) are free from materials and machining defects which may cause non-conformance with the regulations in force issued by the United States Environmental Protection Agency or California Air Resources Board for a period of use, based on the piston displacement of 3,728 mi (6,000 km), if the piston displacement is less than 3.05 cu in (50 cc); than 7,457 mi (12,000 km) if the piston displacement is less than 10.37 cu in (170 cc); than 11,185 mi (18,000 km) if the piston displacement is equal or higher than 10.37 cu in (170 cc), but in all cases less than 17.09 cu in (280 cc); or than 18,641 mi (30,000 km), if the piston displacement is equal or higher than 17.09 cu in (280 cc); or 5 (five) years from the original date of sale to the public, whichever comes first.

Owner's Warranty Responsibilities

- As owner, you are responsible for the completion of all maintenance work indicated in your Use and Maintenance Manual. **Moto Guzzi** advises that you save all receipts related to maintenance of your motorcycle even though **Moto Guzzi** cannot deny warranty coverage solely because of a lack of receipts or the inability to demonstrate that all parts of the scheduled maintenance program were carried out.

- It is your responsibility to have your vehicle checked at a **Moto Guzzi** Dealership as soon as a problem presents itself. Warranty repairs must be conducted within a reasonable time period, which shall not exceed 30 days.
- As the owner of your motorcycle, you should be aware that **Moto Guzzi** may deny your warranty if your motorcycle or one of its components becomes defective as a result of violations, negligence, improper maintenance or unauthorized modifications.

In the case of questions related to your rights and warranty liability, contact **Piaggio Group Americas, Inc.** 257 Park Avenue South, 4th Floor New York, NY 10010, U.S.A., Telephone number: (212) 380 4400, or the **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 at an Official **Moto Guzzi** Dealership in the United States, during normal working hours, and in compliance with the Clean Air Act and all other applicable United States Environmental Protection Agency and California Air Resources Board norms. All components replaced under the above indicated warranty become the property of Piaggio Group Americas, Inc.

Only in the State of California, the components under warranty connected with emissions control are defined specifically by that state's Emissions Related Parts List. The following parts are covered under the warranty: carburetor and internal components, air induction system, fuel tank; fuel injection system; spark advance mechanism; crank case breather tube; air-blocking valves; fuel tank cap for vehicles with evaporative emissions control; oil top off cap; pressure control valve; vapor/fuel separator; canister; igniters; switch regulators; ignition coils; ignition wires; ignition points; condensers and spark-plugs that are defective before the first scheduled replacement; and all tubes, clamps, joints and tubes directly used on the above components. Because the components used for emission control vary from model to model, some models may not use all the above components and other models may have different components with equivalent functions.

Only in the State of California, as provided in California's Administrative Code, are emergency emissions system repairs allowed to be performed by third parties instead of an Official **Moto Guzzi** Dealership. An emergency situation is one in which an Official **Moto Guzzi** Dealership is not available, or a part is not available and will not be

within 30 days, or in which the repair will not be completed within 30 days. In the case of an emergency repair, any type of spare part may be used. **Piaggio Group Americas, Inc.** will reimburse the owner for costs, including the diagnosis, without exceeding the recommended consumer price suggested by **Moto Guzzi** for all pieces replaced covered by warranty, as well as labor, based on the labor times recommended by **Moto Guzzi** for warranty repairs and based on an hourly rate appropriate for the geographic area. The owner may be asked to conserve the receipt(s) and the defective parts in order to receive the reimbursement.

II - Limitations

The emission control system warranty does not cover the following:

a) Repairs and replacement necessary because of:

(1) accidents,

(2) improper use,

(3) improperly conducted repairs or incorrectly installed replacement parts,

(4) use of spare parts or accessories that are not in compliance with Moto Guzzi specifications and which could negatively affect performance,

(5) use in competitions, Track Days and other similar events.

b) Checks, replacement of components or other necessary services or adjustments performed under normal scheduled maintenance.

c) Any motorcycle on which the odometer's mileage has been modified in a manner in which it is no longer possible to easily establish the true mileage.

III – Limited liability

a) **Moto Guzzi's** responsibilities under the emission control warranty are limited exclusively to the elimination of materials or work defects through an Official **Moto Guzzi** Dealership at its corporate headquarters during normal working hours. This

warranty does not cover hardship due to the impossibility of using the motorcycle, nor transport of the motorcycle to/from the **Moto Guzzi** Dealership.

Piaggio Group Americas, Inc. SHALL NOT BE HELD LIABLE FOR ANY OTHER COSTS, LOSSES OR DAMAGES, DIRECT OR INDIRECT, ACCIDENTAL OR PUNITIVE, DERIVING FROM THE SALE, USE OR IMPOSSIBILITY OF USE OF THE **Moto Guzzi** MOTORCYCLE FOR ANY REASON. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF ACCIDENTAL OR INDIRECT DAMAGES AND FOR THIS REASON THE ABOVE-MENTIONED LIMITATIONS MAY NOT APPLY IN YOUR CASE.

b) EMISSIONS EXPRESSED BY **Moto Guzzi and/or Piaggio Group Americas, Inc.** EXCEPT WHAT IS SPECIFICALLY DEFINED IN THIS DOCUMENT. ANY EMISSION CONTROL WARRANTY IMPLIED BY THE LAW, INCLUDING ANY COMMERCIAL WARRANTY OR QUALIFICATION FOR A DETERMINED USE, IS LIMITED TO THE EMISSIONS CONTROL WARRANTY DEFINED IN THE PRESENT WARRANTY. THE PRESENT WARRANTY DECLARATION EXCLUDES AND SUBSTITUTES ALL OTHER RIGHT TO REIMBURSEMENT. SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF THE IMPLICIT WARRANTY AND FOR THIS REASON THE ABOVE-MENTIONED LIMITATIONS MAY NOT APPLY IN YOUR CASE,

c) No Dealership is authorized to modify the conditions of the **Moto Guzzi** Emissions Control Warranty.

IV - Legal rights

THIS WARRANTY PROVIDES YOU WITH SPECIFIC LEGAL RIGHTS AND OTHER RIGHTS THAT MAY VARY FROM STATE TO STATE.

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

THIS WARRANTY COMPLETES THE LIMITED WARRANTY ON THE MOTORCYCLE **Moto Guzzi**.

VI - Additional information

Any spare part with comparable performance and life may be used for maintenance repairs. However, Moto Guzzi does not assume any responsibility for these parts. The owner is responsible for performance of all scheduled maintenance. This maintenance may be performed by an Authorized **Moto Guzzi** Dealer or by the owner. The warranty is valid from the first delivery date to a retail customer.

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.

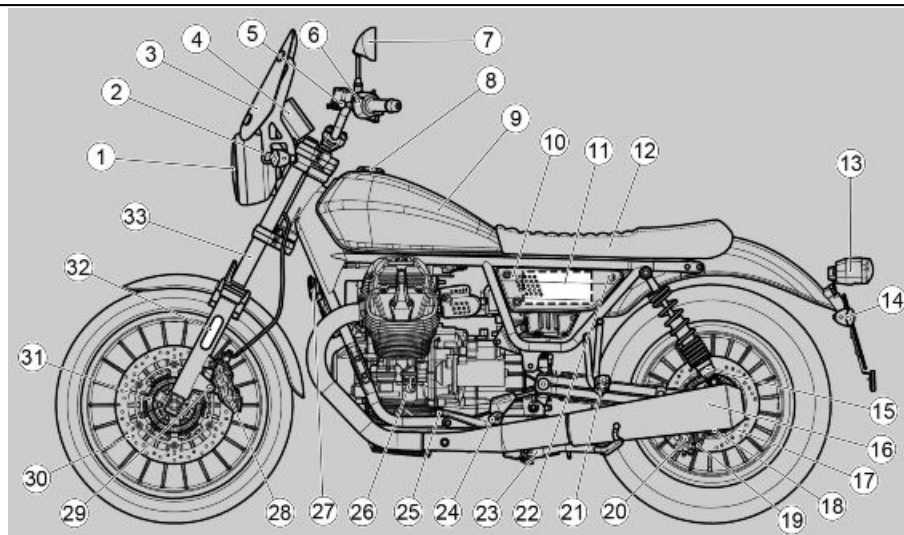
Telephone number: (212) 380 4400

V9

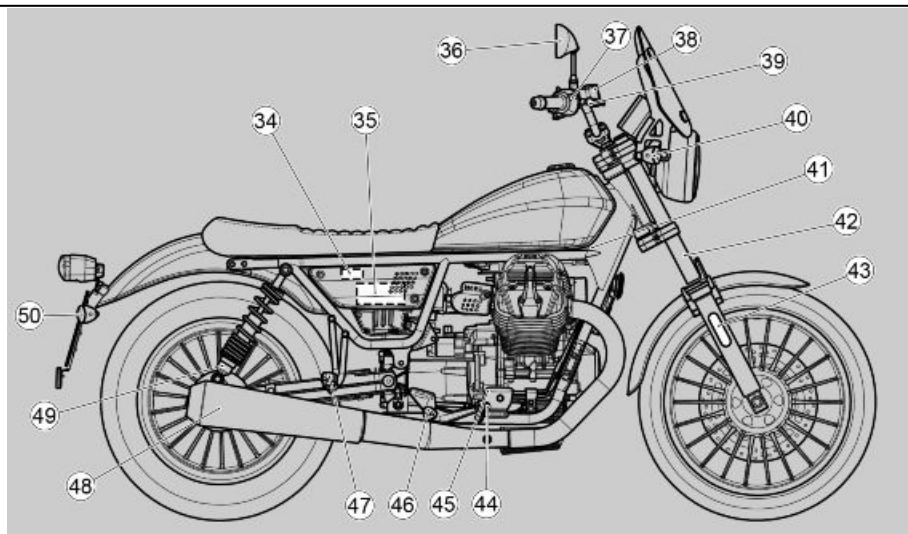


Chap. 02
Vehicle

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



02_01



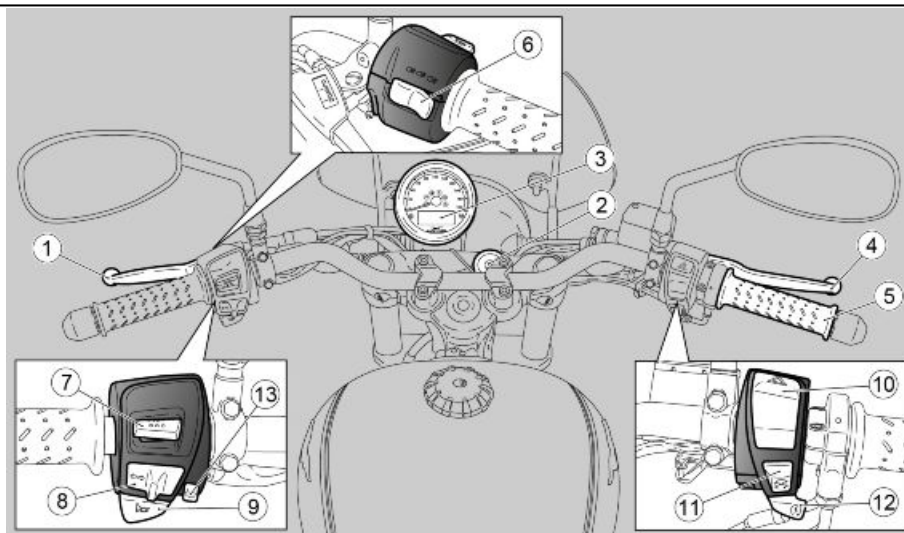
02_02

Key:

1. Head light
2. Left front turn signal
3. Windscreen (if applicable)
4. Instrumentation
5. Clutch lever
6. Left turn signal switch
7. Left rear-view mirror
8. Fuel tank cap
9. Fuel tank
10. Left side fairing
11. Air filter
12. Saddle
13. Taillight assembly

14. Left rear turn signal
15. Left rear shock absorber
16. Left silencer
17. Rear brake disc
18. Rear tone wheel
19. Rear speed sensor
20. Rear brake caliper
21. Left passenger footrest
22. Saddle compartment keyhole
23. Side stand
24. Left rider's footrest
25. Gear shift lever
26. Motor oil dipstick
27. Horn
28. Front brake caliper
29. Front speed sensor
30. Front brake disc
31. Front speed sensor
32. Left reflector
33. Left front fork
34. Fuse box
35. Battery
36. Right rear-view mirror
37. Right turn signal switch
38. Front brake fluid tank
39. Front brake lever
40. Right front turn signal
41. USB port
42. Right front fork
43. Right reflector
44. Rear brake lever
45. Rear brake fluid tank
46. Right rider's footrest
47. Right passenger footrest
48. Exhaust pipe opening
49. Right rear shock absorber
50. Right rear turn signal

Dashboard (02_03)

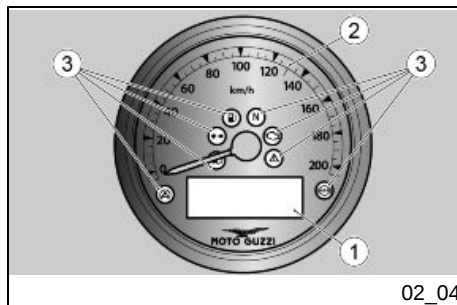


02_03

Key:

1. Clutch control lever
2. Ignition / steering lock switch
3. Instruments and gages
4. Front brake lever
5. Throttle grip
6. High beam flasher switch
7. MODE switch
8. Turn indicator switch

9. Horn button
10. Hazard lights button
11. Engine stop switch
12. Engine start switch
13. MGCT switch



02_04

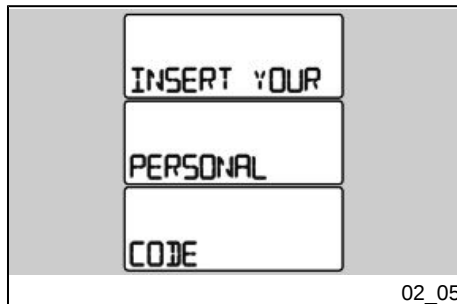
Instrument panel (02_04, 02_05)

Key:

1. Multifunctional digital display
2. Odometer
3. Warning lights

NOTE

THE DIGITAL DISPLAY (1) SHOWS THE INFORMATION ONLY IN ENGLISH. THE DISPLAY LANGUAGE CANNOT BE CHANGED.



02_05

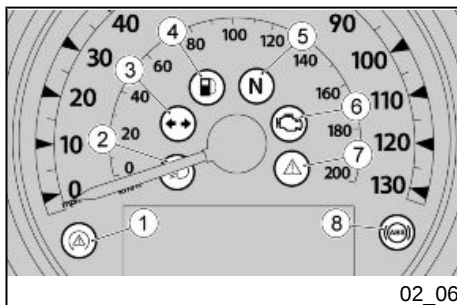
The instrument cluster includes an immobilizer system which prevents start up in the case that the system is unable to identify the key as having been previously memorized.

The vehicle is provided with two programmed keys. The panel memorizes a maximum of four keys: to activate them, or to deactivate a lost key, contact an **Official Moto Guzzi Dealership**. When the vehicle is purchased, after turning the key to the ON position the message "INSERT YOUR PERSONAL CODE" will appear. The panel asks the rider to enter a five digit personal code. The request will disappear after the personal code is entered. For the procedure to enter the code, see the section on "CONTROL BUTTONS"

It is important to remember your personal code, because it allows you to:

- **start up the vehicle if the immobilizer system is defective**
- **avoid replacement of the instrument panel in the case that it is necessary to replace the ignition switch**

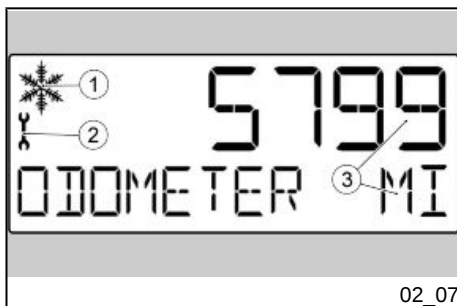
- program new keys



Light Unit (02_06)

Key:

1. MGCT warning light (amber)
2. High beams warning light (blue)
3. Turn signal light (green)
4. Fuel reserve warning light, (amber)
5. Neutral warning light (green)
6. M1 engine alarm warning light (amber)
7. General alarm light (red)
8. ABS warning light (amber)

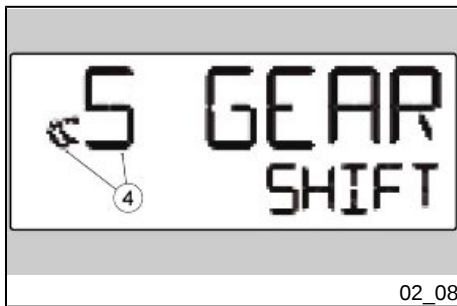


Digital LCD Display (02_07, 02_08, 02_09, 02_10)

- If the ignition key is turned to "ON," the system will respond in the following way:
 - all the warning lights will illuminate at the same time for three seconds (lamp check);
 - the arrows will reset to the 0 position, travel to their maximum point, then return again to zero
 - the backlighting is momentarily set to the maximum level;
 - all the warning lights will turn off (with the exception of those that are currently active) and the brightness previously set by the user and the display will return to the normal view.

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

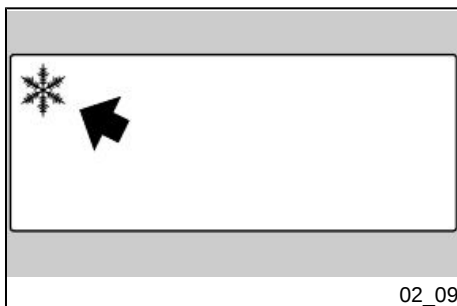
- 1) Ice alarm (displayed with temperature below or equal to 37.4°F / 3°C)
- 2) Maintenance symbol



3) Trip computer log or any alarms

4) Gear engaged (calculated) (*)

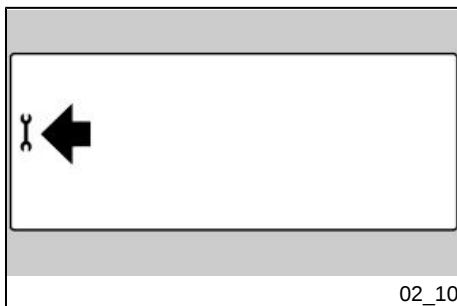
(*) The gear is calculated by the vehicle speed and engine rpm ratio. With the clutch lever activated or the vehicle stopped the calculation cannot be performed and "-" will be displayed.



Ice alarm

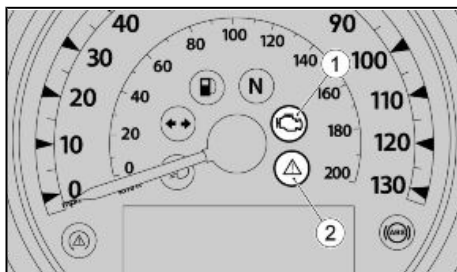
If the external temperature is below or equal to 37.4 F° / 3 C°, the ice symbol will appear in the upper left hand part of the LCD display. Therefore, be very careful when riding.

When this temperature rises the symbol will disappear.



Maintenance symbols

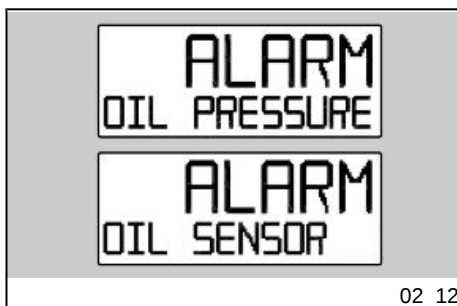
- The system shows this function in the following way:
 - when the maintenance intervals are reached (except for the first one), a wrench icon will appear on the LCD display.
 - To reset the Service it is necessary to contact an Official **Moto Guzzi** Dealership.



02_11

Alarms (02_11, 02_12)

In the event that the instrument cluster or the ECU detect a fault, the descriptions of the types of alarm will be shown on the display, accompanied by the MI warning light (1) and the general alarm warning light (2) coming on.



02_12

Oil pressure and Oil sensor

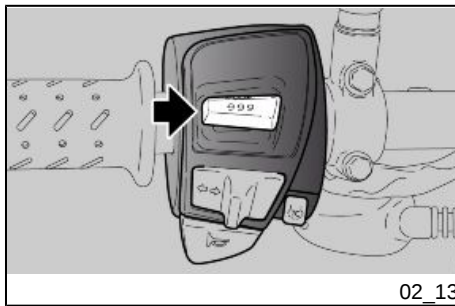
In the event of an oil pressure fault or the disconnection of the oil pressure sensor, the message "OIL PRESSURE ALARM" or "OIL SENSOR ALARM" will appear on the display. The general alarm warning light (2) stays on if the fault has to do with the oil pressure sensor. If it flashes, on the other hand, the alarm has to do with the oil pressure.

IMPORTANT

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

OIL SENSOR ALARM: IN THE EVENT OF AN OIL PRESSURE SENSOR FAULT, THE WARNING LIGHT STAYS ON. AS SOON AS POSSIBLE TAKE THE MOTORCYCLE TO AN Official Moto Guzzi Dealership.

If an alarm is shown on the display, you can press the "MODE" selector switch to return to the trip log information. After 10 seconds the digital display will return the information on the previously viewed alarm to the foreground.



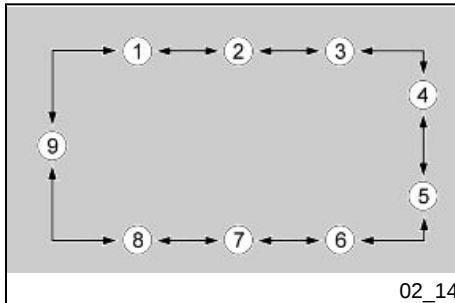
02_13

Control Buttons (02_13, 02_14, 02_15, 02_16, 02_17, 02_18, 02_19, 02_20, 02_21, 02_22, 02_23)

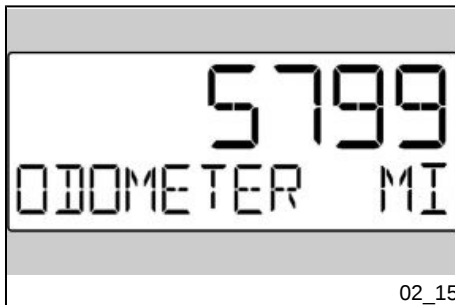
- Press the "MODE" selector up or down with a quick press to browse the selections on the menu.
- Press the "MODE" selector in to reset the trip log data or to confirm the selected item.

The following information can be viewed in sequence:

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



02_14



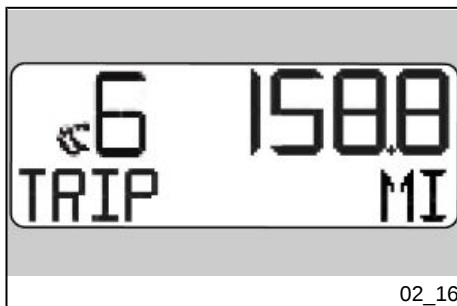
02_15

Total odometer (Odometer)

Unit of measurement for the count: Miles or Km.

Viewing: on the LCD display.

- The data is recorded permanently.
 - It cannot be reset.
 - The engaged gear cannot be viewed (calculated).
 - The total odometer displays the information shown in the figure:
- if the value exceeds 999999 it no longer resets.



Partial odometer (Trip/Trip D)

Unit of measurement for the count: Miles or Km.

Viewing: on the LCD display.

- The data is recorded.
- The "TRIP" and "TRIP D" odometer can be reset by long pressing the central part of the "MODE" selector. The "TRIP D" odometer also resets after eight hours with the key off.
- The partial odometer displays the information shown in the figure:
 - the text "TRIP" or "TRIP D" activates;
 - if the value exceeds 999.9, the counter resets and starts again from "0.0".

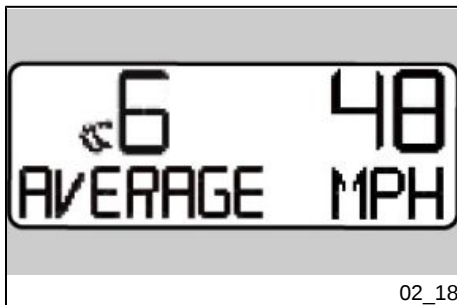


Trip time (Time)

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

Viewing: on the LCD display.

- The data is recorded.
- The counter can be reset by long pressing the central part of the "MODE" selector or each time the battery is connected.
- The information shown in the figure is displayed:
 - the text "TIME" activates.

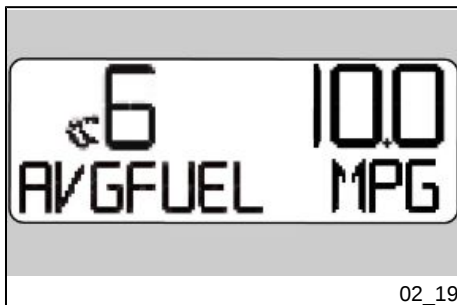


Average traveling speed (Average)

Unit of measurement for the count: mph or Kph.

Viewing: on the LCD display.

- The data is recorded.
 - The counter can be reset by long pressing the central part of the "MODE" selector or each time the battery is connected.
 - The information shown in the figure is displayed:
- the text "AVERAGE MPH" or "AVERAGE KM/H" activates.

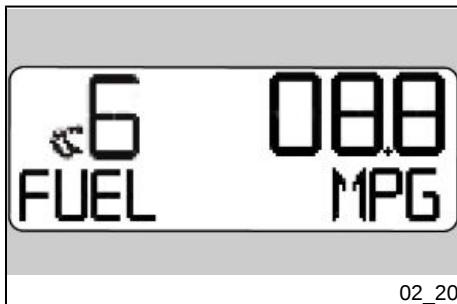


Average mileage (Avg fuel)

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

Viewing: on the LCD display.

- The data is recorded.
 - The counter can be reset by long pressing the central part of the "MODE" selector.
 - The information shown in the figure is displayed:
- the text "AVERAGE MPG" or "AVERAGE KM/L" or "AVERAGE L/100" activates.

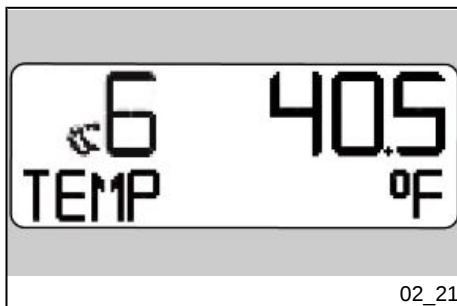


Current fuel consumption (Fuel)

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

Viewing: on the LCD display.

- At each vehicle start up the information is set to 0.0
 - The information shown in the figure is displayed:
- the text "FUEL MPG" or "FUEL KM/L" or "FUEL L/100" activates.



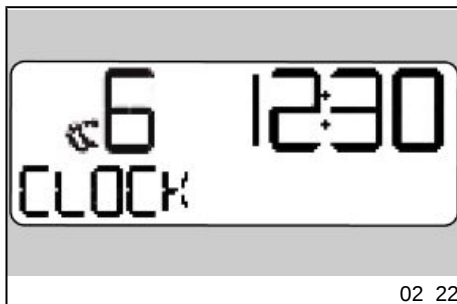
External temperature

Unit of measurement: °F or °C.

Viewing: on the LCD display.

The maximums and minimums shown are 5 / 122 °F (-15 / +50 °C).

- If the temperature is below 5 °F (-15 °C), "-" will appear on the LCD screen.
- If the temperature is between 5 °F (-15°C) and 122 °F (+50°C) the display will show the correct information without flashing.
- If the temperature is below or equal to 37.4 °F (+3 °C), the "ICE ALARM" symbol will appear on the LCD screen.

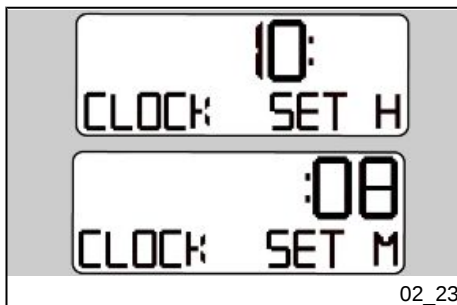


Clock (Clock)

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

Viewing: on the LCD display.

- The data is recorded.
 - The data resets each time the battery is connected.
 - The information shown in the figure is displayed:
- the text "CLOCK" activates.



Clock adjustment

In the "CLOCK" function the time can be set. To access this function, long press the "MODE" selector. Each time the selector is pressed up or down the hour value changes. Once 12 has been reached, the next press of the selector will return to 1, and vice versa.

Short pressing the central part of the selector will save the value, and switch to the minutes setting.

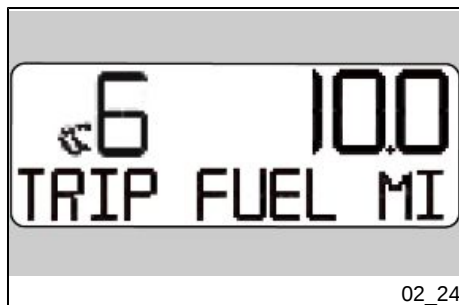
Each time the selector is pressed the minute value changes. Once 59 has been reached, the next press of the selector will return to 0, and vice versa.

The procedure ends with a long press of the selector or when the vehicle begins to travel at a speed higher than 3.11 mph (5 Kph).

IMPORTANT



FOR RIDER AND PASSENGER SAFETY REASONS THESE PROCEDURES ARE PERMITTED ONLY WITH THE VEHICLE STOPPED.



Advanced Functions (02_24, 02_25, 02_26, 02_27, 02_28, 02_29, 02_30, 02_31, 02_32)

Trip Fuel "Count of space traveled in reserve"

This function consists in counting and displaying the distance traveled, in "mi or kmph", with vehicle in fuel reserve.

When the fuel reserve warning light turns on:

- after 1.24 mi (2 km) the "TRIP FUEL" totalizator will appear on the LCD display;
- with subsequent presses of the "MODE" selector you can, in any case, return to the trip log view.

If the ignition key is turned to "ON":

- for the first sixty seconds (Reserve sensor stabilization phase) "TRIP FUEL" is not shown. After this time, "TRIP FUEL" is automatically shown. The procedure for showing "TRIP FUEL" is as illustrated in the figure:
- the text "TRIP FUEL" activates;
- the initial value is "0.0".



Backlight "Instrument backlighting adjustment"

It is possible to adjust the instrument backlighting (index of the display level) between three levels.

This parameter can be adjusted during the initial check. Short press the "MODE" selector to access this function. Each time the "MODE" selector is pressed the following levels are displayed:

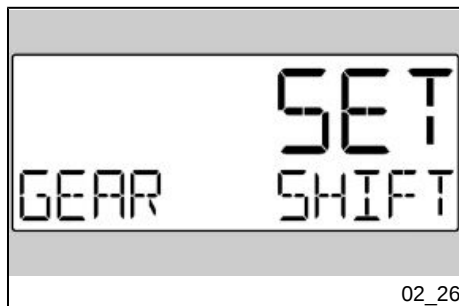
- 1 (Minimum)
- 2 (Medium)
- 3 (Maximum)

After three seconds of the "MODE" selector being inactive or when the vehicle reaches a speed of more than 3.11 mph (5 kph), the value is stored and the display automatically returns to the trip log.

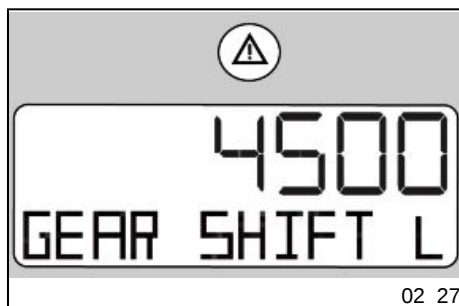
Dashboard configuration

In the "TOTAL ODOMETER (ODOMETER)", long press the "MODE" selector in the central position to access advanced functions including:

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



02_26



02_27



02_28

Gear Shift "Gear shift threshold"

In this mode the gear shift threshold is set.

Enter the settings from the menu by long pressing the "MODE" selector in the central position. Select the desired setting every time the "MODE" selector is pressed up or down.

- SET GEAR SHIFT L: 4500 rpm (revolutions/min) (break-in rpm)
- SET GEAR SHIFT H: 8000 rpm

While in the selected setting, every time the button is pressed up the value increases by 100 rpm. On the other hand, every time the selector is pressed down the value decreases by 100 rpm. The operation will finish when the central part of the MODE selector is pressed, which stores the value, and the panel will return to the configuration menu.

The first time the battery is connected the display will go to the last set value. When the set threshold is exceeded, the text "GEAR SHIFT" will appear on the display and the general alarm indicator light will turn on. The general alarm indicator light flashes when the minimum threshold is exceeded, whereas it stays on without flashing when the maximum threshold is exceeded. The general alarm indicator light turns off in both cases when you go back below the set threshold.

The maximum engine rpm is 6800 (revolutions/min).

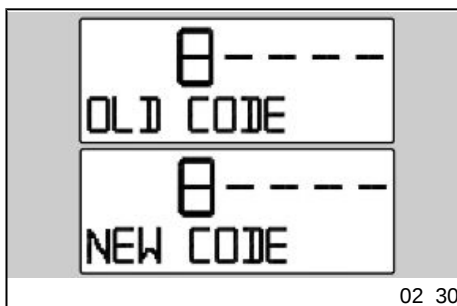


02_29

User Code Modification "Edit user code"

The user code allows you to start the vehicle even in the presence of immobilizer system faults. When the vehicle is new the user code is set with five zeros (00000) and the message "INSERT YOUR PERSONAL CODE" will appear on the display for ten seconds. With the "EDIT USER CODE" function you can change the code and remove this message. On the leftmost value of the LCD values from 0 to 9 will be displayed cyclically. Confirm the selection with a central short press of the "MODE" selector until completing the five digits. After confirmation the display will show the new code without the digits flashing so the user can check the code that has been entered. To unlock the instrument panel you must perform a KEY OFF - KEY ON cycle.

The last code entered can be changed in the future. Re-enter settings, enter the last user code utilized (OLD CODE) and then enter a new user code (NEW CODE) as described above.



02_30

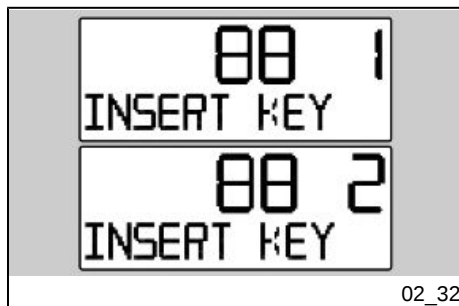
User Code Recovery "User code recovery"

This function must be used when you need to change your user code and you do not have the current code. For this function both keys stored in the vehicle must be used.

When the function is activate, a long press of the "MODE" selector will display the "INSERT KEY 1" message on the screen to indicate the request for recognition of the first key. Insert the key and, if it is recognized within twenty seconds, the text "INSERT KEY 2" will appear on the display. Insert the second key and if the second key is also recognized the instrument panel will reset the user code to the initial user code with the five zeros (00000). Enter the new user code as described in the "SET CODE MODIFICATION" setting.



02_31



02_32

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

While in this function when the "MODE" selector is short pressed up or down, it is possible to change the unit of measurement. The change affects all the instrument panel settings which use these units of measurement.

Select unit (US mpg - IMP mpg - L/100 - Km/L) "Change mileage gages unit of measurement "

While in this function when the "MODE" selector is short pressed up or down, it is possible to change the unit of measurement in "US mpg - IMP mpg - L/100 - Km/L". The change affects all the instrument panel settings which use these units of measurement.

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

This function allows you to select the ambient temperature thermometer unit of measurement. While in this function, every time the button is short pressed up or down, the display will cycle between the two possible units of measure:

- °F
- °C

By long pressing the "MODE" selector the information is stored and the instrument panel will return to the "TOTAL ODOMETER (ODOMETER)" screen.

IMPORTANT



FOR RIDER AND PASSENGER SAFETY REASONS THESE PROCEDURES ARE PERMITTED ONLY WITH THE VEHICLE STOPPED.

Ignition Switch (02_33)

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

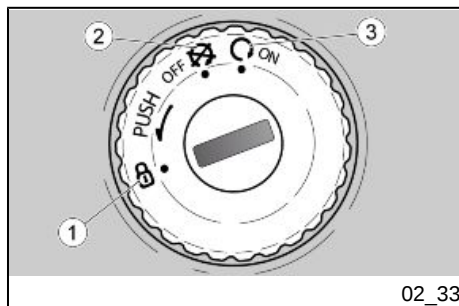
THE KEY IS USED IN THE IGNITION/STEERING LOCK SWITCH, THE KEYHOLE FOR THE FUEL TANK CAP, AND FOR THE SADDLE COMPARTMENT.

NOTE

THE LIGHTS COME ON AUTOMATICALLY AFTER THE ENGINE STARTS.

NOTE

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



02_33

LOCK (1): The steering is blocked. It is impossible to start the engine or switch on the lights. It is possible to remove the key

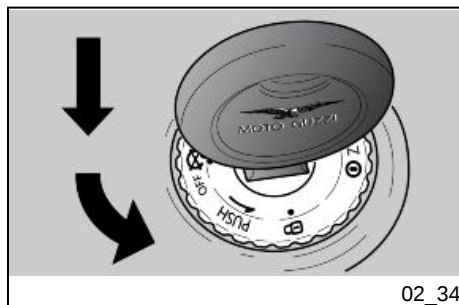
OFF (2): It is impossible to turn on the engine or the lights. It is possible to remove the key.

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

Locking the Handlebar (02_34)



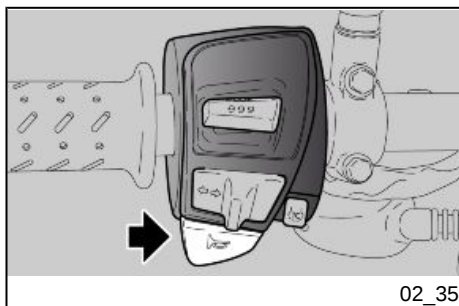
NEVER TURN THE KEY TO POSITION «LOCK» WHILE RIDING OR YOU MIGHT LOSE CONTROL OF THE VEHICLE.



02_34

To block the steering:

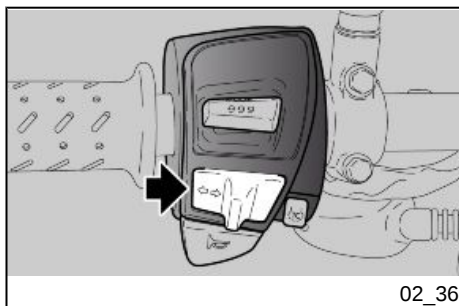
- Turn the handlebar completely to the left.
- Turn the key to "OFF."
- Push in the key and turn it counterclockwise (to the left), turn the handlebar slowly until the key is set to position «**LOCK**».
- Remove the key.



02_35

Horn Button (02_35)

Press it to activate the horn.



02_36

Turn Signal Selector (02_36)

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

The automatic cancellation of the turn signals was implemented using the following logic.

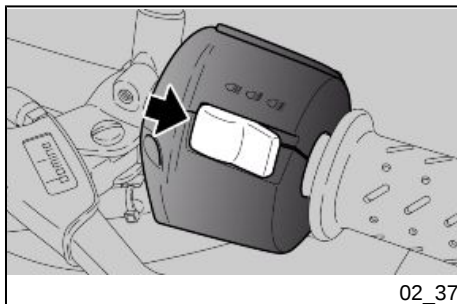
If the vehicle is stopped, therefore with speed equal to zero, the turn signals will continue to flash indefinitely.

If the vehicle is moving, the turn signals will automatically return when one of the two following conditions is reached:

- After an amount of time $t = 40$ sec.
- After covering a certain distance 0.31 mi (500 m)

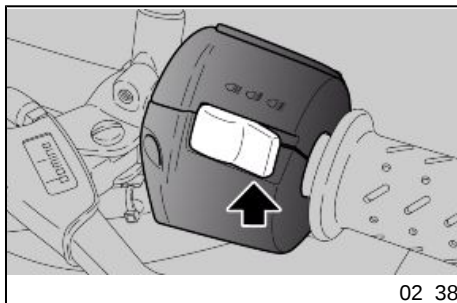
If speed returns to zero during this interval, the time and distance counter will be reset and the count will restart from zero when the vehicle is detected as being in motion.

Switching the signal from one side to the next without an intermediate reset impulse will reset and restart the time and distance counter.



High/Low Beam Selector (02_37)

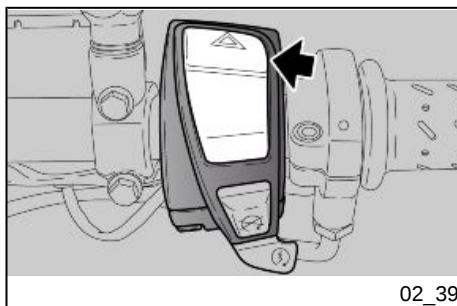
- The switch in the central position keeps the daylight running lights, the instrument panel lights and the low beam on.
- In the left hand position the high beam is activated.
- In the right hand position the high beam flashes in case of danger or emergency.



Passing Button (02_38)

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

Releasing the switch deactivates the high beam flash.



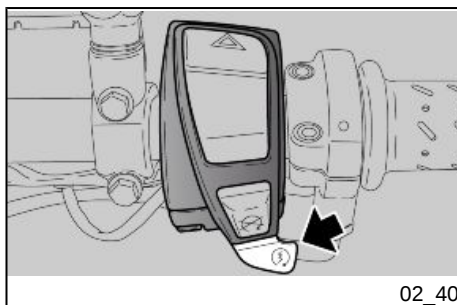
Flasher button (02_39)

The HAZARD system can be used only when the key is in the ON position. Pressing this button activates all four turn signals simultaneously and their indicators on the instrument panel. Pressing again deactivates the system. The HAZARD lights will remain active even though the key is removed, but they cannot be deactivated.

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

IMPORTANT

IF, DURING HAZARD SYSTEM OPERATION, THE TURN SIGNAL IS SWITCHED ON, THE HAZARD SYSTEM WILL TEMPORARILY DEACTIVATE UNTIL THE TURN SIGNAL TURNS OFF.



Start-up Button (02_40)

- When the button is pressed, the starter motor will start the engine.



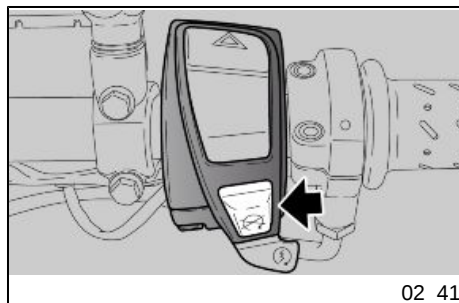
THE ENGINE CAN BE STARTED ONLY WITH THE GAS CONTROL RELEASED OR ONLY SLIGHTLY TURNED.

Engine Stop Switch (02_41)

IMPORTANT

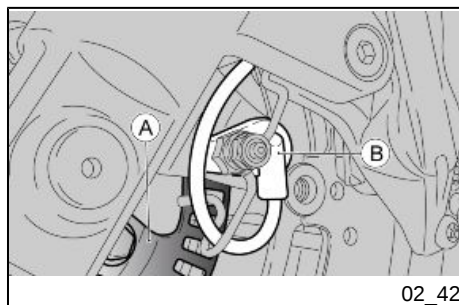


DO NOT ACTIVATE THE ENGINE STOP SWITCH WHILE RIDING THE VEHICLE.



It acts as a safety or emergency switch.

Press the button to stop the engine.

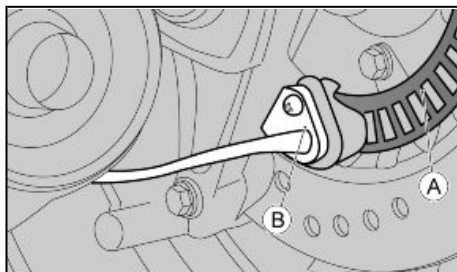


ABS system (02_42, 02_43, 02_44)

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

The ABS system is a hydraulic - electronic device that limits the pressure within the braking circuit when a sensor located on the wheels detects the tendency to lock up, increasing the stability of the vehicle in braking with respect to a traditional braking system in order to decrease the risk of falling.

The ABS system makes it possible to improve vehicle control, always remembering to not exceed the physical limits of vehicle stability. It is the rider's responsibility to drive at a suitable speed, taking into account the weather conditions and the road surface, maintaining a necessary safety margin.



02_43

ABS cannot compensate for errors in judgment or improper brake use in the various situations.

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 Authorized Service Center for the appropriate checks. The safety provided by the ABS does not, in any case, justify risky maneuvers. 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

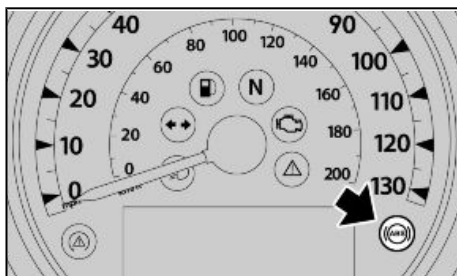
A PULSING SENSATION WILL BE FELT IN THE FRONT BRAKE LEVER WHEN THE ABS SYSTEM IS IN ACTION.



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.



02_44

IMPORTANT

AT VERY LOW SPEEDS (LESS THAN 3.11 mph (5 kph)) THE ABS SYSTEM IS DISABLED.

IT IS RECOMMENDED TO PAY ATTENTION THEREFORE 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 THE KEY IS TURNED ON, THE ABS WARNING LIGHT TURNS ON AND FLASHES UNTIL REACHING 3.11 mph (5 kph) WHEN 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

THE SYSTEM SENSORS, BEING EXTREMELY PRECISE IN READING THE PHONIC WHEELS, CAN GENERATE AN SPEED INDICATION ON THE DIGITAL DISPLAY OF A FEW mph (km/h) WITH THE BIKE STATIONARY.

SUCH BEHAVIOR 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 the phonic wheel and the front sensor

0.012 - 0.079 in (0.3 - 2.00 mm)

Distance between the phonic wheel and the rear sensor

0.012 - 0.079 in (0.3 - 2.00 mm)

MGCT system (Moto Guzzi Controllo Trazione) (02_45, 02_46, 02_47)

The MGCT system is a device to help riding that helps the rider during acceleration maneuvers 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. The MGCT in these situations automatically intervenes by reducing engine output within the limit imposed by the grip conditions, contributing significantly to the maintenance of stability of the vehicle. It is the rider's responsibility to drive at a suitable speed, taking into account the weather conditions, the road surface, the motorcycle load and the condition of the tires, maintaining a necessary safety margin, always remembering not to exceed the physical limits of stability. 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.

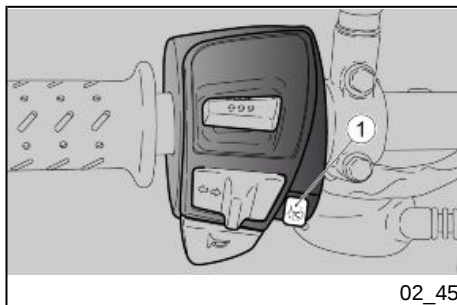
ACCELERATING SUDDENLY WHILE THE VEHICLE IS INCLINED OR WITH THE HANDLEBARS TURNED WILL PUT THE VEHICLE IN AN UNSTABLE STATE THAT IS EXTREMELY DIFFICULT TO RECTIFY.

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

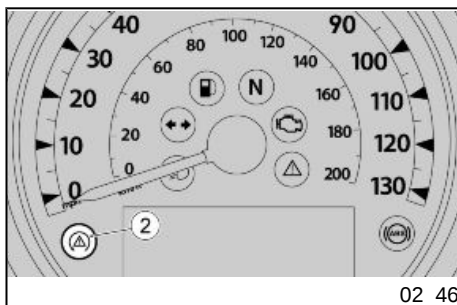
WARNING

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

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



02_45



02_46

- **BUTTON (1) (engine running):** long press activation / deactivation, short press changes the level (1 and 2).
- **ICON (2):** icon indicating operation.

Flashing mode:

- Off with the vehicle in gear: the system is working, but is not active (normal condition).

- Flashing quickly with moving vehicle: the system is up and running (conditions of low grip and intervention to reduce engine power); we recommend the utmost caution because the grip limit has been exceeded; restore the vehicle safety conditions by gently reducing the throttle opening.

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

- If the deactivation was voluntary (by long pressing the activation/deactivation button (1) with the engine running) we recommend replacing the system as soon as possible.
- If the deactivation was NOT voluntary, there is an MGCT failure: in this case you must contact an Authorized Service Center for the diagnosis and the reactivation of the system.

To ensure maximum safety of the vehicle it is advisable to keep the system active. Deactivation may be required only in case of starting on extremely low grip surfaces (mud, snow, gravel) where the intervention of the MGCT system could actually prevent the vehicle from moving.

Description of MGCT levels

The MGCT system has two setting levels (1 and 2):

- "1" Suitable for normal operating conditions and grip. The system is less invasive compared to level "2".

- "2" Suitable for poor grip, wet road surfaces, slippery or particularly dirty asphalt. The system is more invasive compared to level "1".

IMPORTANT

THE STATE OF THE MGCT SYSTEM CAN BE CHANGED ONLY WITH THE VEHICLE SWITCHED ON.

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. IF THERE ARE NO ERRORS, BOTH THE LIGHTS TURN OFF SIMULTANEOUSLY WHEN EXCEEDING 3.11 mph (5 kph).

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

WARNING

EACH TIME THE MGCT SYSTEM STARTS UP THE LAST LEVEL SET IS REACTIVATED.

IF DEACTIVATED BY THE USER, THE MGCT SYSTEM REMAINS INACTIVE ONLY IF THE VEHICLE IS SWITCHED OFF USING THE ENGINE STOP SWITCH (RUN/OFF); AT THE NEXT KEY ON THE MGCT SYSTEM IS ENABLED AUTOMATICALLY AT THE LEVEL SET BEFORE DEACTIVATION.

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.

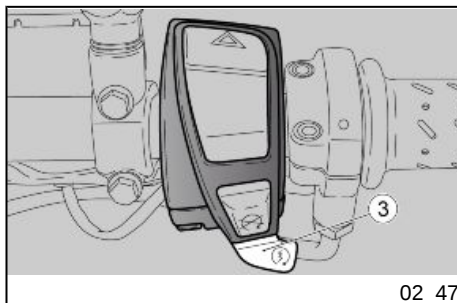
IMPORTANT

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.



02_47

MGCT SYSTEM CALIBRATION PROCEDURE

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

Before performing the MGCT system calibration check the correct tire pressure.

- Allow the engine to run in idle for at least 5 seconds.
- Check to ensure that the MGCT system is active at level 1 or 2. If not, activate it.
- Pull the clutch lever while pressing the start button (3) for at least 5 seconds. The activation process will be confirmed by the MGCT warning light (2) turning on and flashing fast.

- Accelerate to a constant speed of 18.64 mph (30 kph) and maintain it for at least 8 seconds.
- The end of the procedure will be indicated by the flashing of the MGCT warning light (2). The MGCT system is active.
- Once the procedure is complete, the ignition key must be switched to the (OFF) position and you must wait at least 60 seconds before switching it to (ON) again.
- If the procedure is not completed within 2 minutes, the MGCT warning light (2) will remain permanently on and the system will remain disabled until the MGCT is switched (OFF).
- To restart the MGCT system it is necessary to switch it back to (ON). It is however necessary to repeat the process until it succeeds.

IMPORTANT

IF NECESSARY, CONTACT AN AUTHORIZED SERVICE CENTER.

Characteristic**Distance between the phonic wheel and the front sensor**

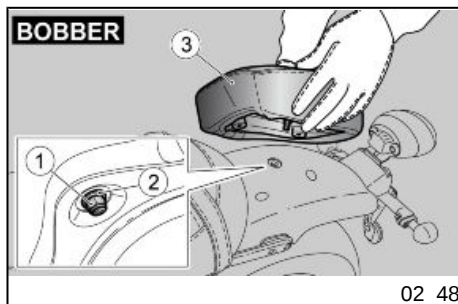
0.012 - 0.079 in (0.3 - 2.00 mm)

Distance between the phonic wheel and the rear sensor

0.012 - 0.079 in (0.3 - 2.00 mm)

The saddle (02_48)

(IF AVAILABLE)



The vehicle has a passenger saddle. To remove the passenger saddle and make the vehicle a single-seater, perform the following procedure:

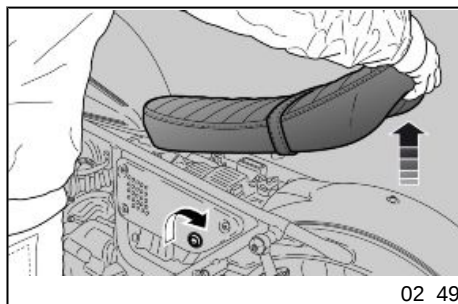
- Unscrew and remove the nut (1) under the rear mudguard
- Get the washer (2)
- Remove the passenger saddle (3)

IMPORTANT



AFTER REMOVING THE PASSENGER SADDLE, USE THE INCLUDED ROUND-HEAD SCREW (M8X16) AND THE NUT (2), AS ILLUSTRATED IN THE FIGURE, TO CORRECTLY SECURE THE REAR MUDGUARD TO THE FRAME.

WHEN THE VEHICLE IS SET UP IN THE SINGLE-SEATER VERSION, PASSENGERS CANNOT BE CARRIED.

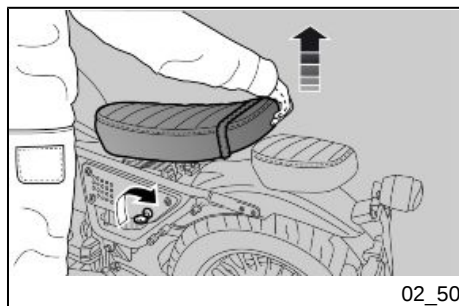


Opening the saddle (02_49, 02_50)

- Place the vehicle on the stand.
- Insert the key in the saddle compartment keyhole.
- Turn the key clockwise, pressing lightly in the center of the rear part of the seat, to unhook the hook of the pin. Lift up and slide out the saddle from the rear.

IMPORTANT

BEFORE LOWERING AND LOCKING THE SADDLE, CHECK THAT THE KEYS WERE NOT FORGOTTEN IN THE DOCUMENT COMPARTMENT.



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.

Glove/tool kit compartment

To access the glove compartment/tool kit, it is necessary to remove the seat.

USB Port

On the right side of the motorcycle near the headstock, there is a USB port.

To use it, remove the protective cap.



TO AVOID THAT WATER AND/OR HUMIDITY CAN DAMAGE THE USB PLUG, DO NOT CONNECT ANY DEVICES IN CASE OF RAIN.



THE INCLUDED USB PORT IS COMPATIBLE WITH DEVICES OF THE FOLLOWING BRANDS: Apple iPhone, Apple iPod, Apple iPod Nano, Apple iPod Touch, Blackberry Pearl, Blackberry 8xxx IT IS NOT COMPATIBLE WITH DEVICES FOR MOTOROLA PRODUCTS.



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 PLUG SOCKET MAY RESULT IN PARTIAL DISCHARGE OF THE BATTERY.

USB PORT

Output voltage	(5.00+/-0.25) DC
Charging current	1A Max

The identification (02_51, 02_52)

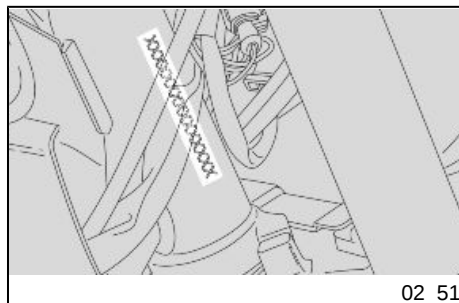
Write down the chassis and engine number in the specific space in this booklet. The chassis number is handy when purchasing spare parts.

IMPORTANT



THE MODIFICATION OF THE IDENTIFICATION CODES IS A SERIOUS PUNISHABLE CRIME. HOWEVER, THE LIMITED WARRANTY FOR NEW VEHICLES WILL

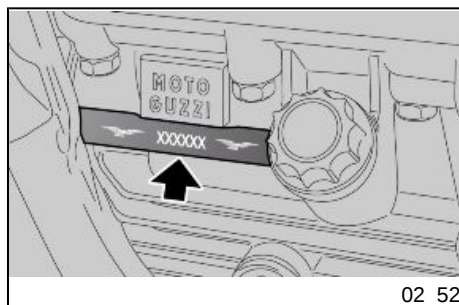
BE VOID IF THE VEHICLE IDENTIFICATION NUMBER (VIN) HAS BEEN MODIFIED OR NOT PROMPTLY DETERMINED.



CHASSIS NUMBER

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

Chassis No.



ENGINE NUMBER

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

Engine No.

V9



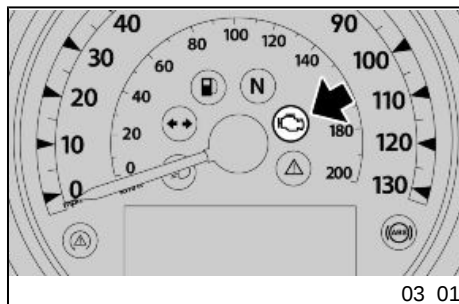
Chap. 03
Use

Checks (03_01)

IMPORTANT

BEFORE SETTING-OFF, ALWAYS CARRY OUT A PRELIMINARY CHECK OF THE VEHICLE, FOR CORRECT AND SAFE OPERATION. FAILURE TO DO SO MAY LEAD TO SEVERE PERSONAL INJURY OR VEHICLE DAMAGE. DO NOT HESITATE TO CONTACT AN Authorised 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 positioned to 'KEY ON' the 'MI' warning light will illuminate 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	Ensure that it turns smoothly and can be opened and closed fully, in all steering positions. Adjust and/or lubricate if needed.
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	Check they function smoothly. Lubricate the joints and adjust the travel if necessary.
Clutch lever	Check correct operation and empty travel. Check the condition of the cable on the handlebar and on the engine. The cable must be replaced if it shows any signs of fraying. Lubricate the joints if necessary.
Steering	Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.
Side stand	Check that it slides smoothly and that it snaps back to its rest position

	upon spring tension. Lubricate couplings and joints if necessary.
Clamping elements	Check that the clamping elements are not loose. Adjust or tighten them as required.
Fuel tank	Check level and refill if necessary. Check the circuit for leaks or obstructions. Check that the tank cap closes correctly.
Engine stop switch (ON - OFF)	Check function.
Lights, indicator lights, horn, rear stop light switch and electrical devices	Check function of horn and lights. Replace bulbs or repair any faults noted.
Tone wheels	Check that the tone wheels are perfectly clean and in good conditions.

Refueling (03_02, 03_03)

IMPORTANT

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

FOR THIS REASON, THE VEHICLE REFUELLING AND THE MAINTENANCE OPERATIONS THAT INVOLVE THE FUEL SYSTEM MUST BE CARRIED OUT IN A WELL-VENTILATED AREA WITH THE ENGINE OFF.

DO NOT REFUEL OR CARRY OUT MAINTENANCE OPERATIONS WHILE THE ENGINE IS ON.

DO NOT SMOKE WHILE REFUELLING OR NEAR DANGEROUS VAPOURS. NEVER ALLOW FUEL TO COME INTO CONTACT WITH FLAMES, SPARKS OR SOURCES OF HEAT. TRY TO REFUEL CAREFULLY, TO AVOID FUEL LEAKAGES DURING REFUELLING. PETROL SPLASHES MAY CATCH FIRE IF THEY COME INTO CONTACT WITH THE WARM ENGINE OR SURFACES OF THE EXHAUST SYSTEM. IF YOU ACCIDENTALLY SPILL FUEL, MAKE SURE THAT IT GOT DRY OR THAT IT IS COMPLETELY EVAPORATED BEFORE STARTING THE VEHICLE..

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

NEVER TRY TO TRANSFER PETROL FROM A CONTAINER TO ANOTHER USING YOUR MOUTH AS A MEANS OF TRANSFER. USE A MANUAL PUMP OR A SIMILAR TOOL.

IMPORTANT

FUEL IS POISONOUS AND CARCINOGENIC AND CONTAINS CHEMICALS WHICH CAUSE DISABILITIES AND MANY BIRTH RELATED HEALTH PROBLEMS .

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

IF, BY ACCIDENT, FUEL COMES INTO CONTACT WITH YOUR EYES, RINSE THEM WITH PLENTY OF WATER AND CONTACT IMMEDIATELY A DOCTOR. IF YOU SWALLOW THE FUEL ACCIDENTALLY, DO NOT PROVOKE VOMITING. DRINK A HIGH QUANTITY OF MILK OR WATER AND IMMEDIATELY CONTACT THE DOCTOR.

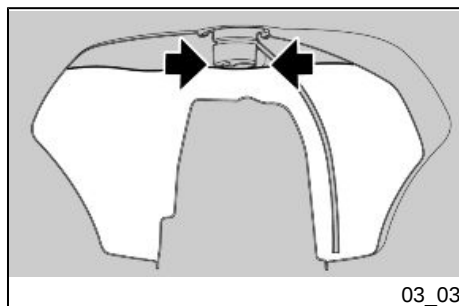
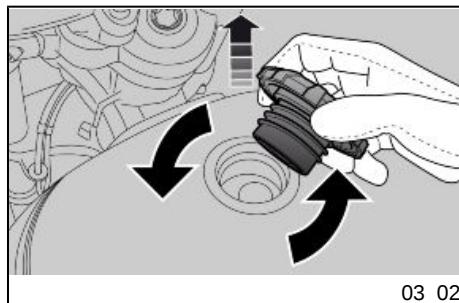
IF YOUR VEHICLE TILTS, IT WILL LOSE FUEL THAT IS EXTREMELY FLAMMABLE. FLAMES AND SPARKS CAN CAUSE SERIOUS FIRES THAT WILL NOT ONLY DESTROY YOUR VEHICLE, BUT THEY WILL BE EXTREMELY DANGEROUS ALSO FOR THE VEHICLES AND SURROUNDING BUILDINGS AND THUS CAUSING VERY SERIOUS INJURIES AND EVEN DEATH.

ALWAYS KEEP THE FUEL OUT OF THE REACH OF CHILDREN. DISPOSE OF CORRECTLY, DO NOT DISCHARGE IT IN THE SEWAGE SYSTEMS OR IN THE SINK OR BATHROOM.

Characteristic

Fuel

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



To refuel:

- Turn the cap counter clockwise and remove it
- Refuel

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.

DO NOT ADD ADDITIVES OR OTHER SUBSTANCES TO THE GASOLINE.

IF YOU USE A FUNNEL OR ANOTHER IMPLEMENT, MAKE SURE 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.

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.

When refueling is finished:

IMPORTANT

THE FUEL TANK CAN BE CLOSED ONLY BY SCREWING THE CAP CLOCKWISE UNTIL IT LOCKS INTO PLACE.

MAKE SURE THAT THE CAP IS CLOSED CORRECTLY.

Characteristic

Fuel tank (reserve included)

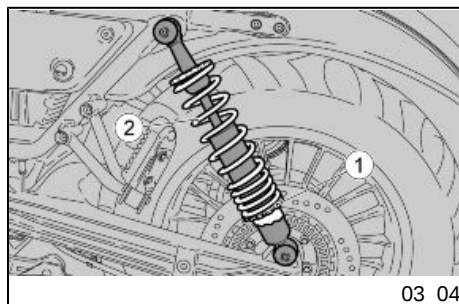
3.96 +/- 0.13 US gal (3.30 +/- 0.11 UK gal; 15 +/- 0.5 l)

Fuel tank reserve

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

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

(OPTION 01)



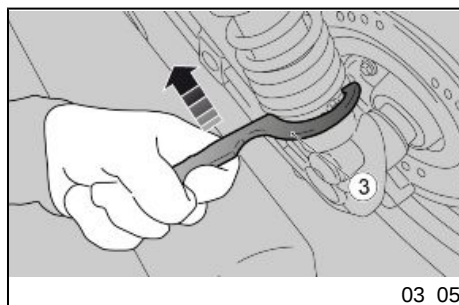
The shock absorber has an adjuster ring (1) in order to regulate the spring preload (2).

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 SCREWS (1), NEVER FORCE THEM BEYOND THE END OF TRAVEL IN EITHER DIRECTION.

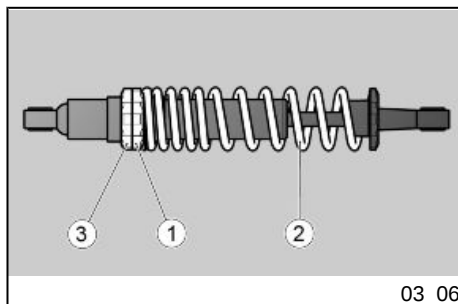


- Use the adjuster ring nut (1) to adjust the preload of the spring (2) with a hook spanner (3);
- Screw to increase pre-loading; and vice versa, screw to reduce it.

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.

(OPTION 02)



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

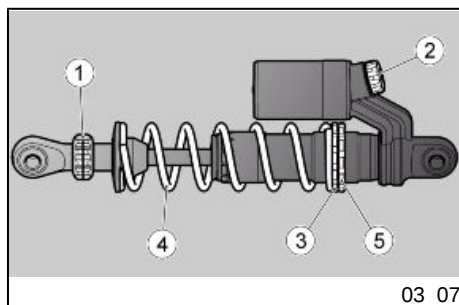
TO PREVENT DAMAGE TO THE ADJUSTER SCREW (1) AND THE LOCKING RING NUT (3), NEVER FORCE THEM BEYOND THE END OF TRAVEL IN EITHER DIRECTION.

- 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.

(OPTION 03)



The shock absorber has an adjustment screw for regulating the rebound braking (1), an adjustment screw for regulating the compression braking (2), a ring nut adjuster (3) and a lock ring adjuster (5) for setting the spring pre-load (4).

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

CHECK AND IF NECESSARY, ADJUST THE REAR SHOCK ABSORBER.

THE STANDARD REGULATION OF THE REAR SHOCK ABSORBER IS INTENDED TO SATISFY NORMAL TOUR DRIVING CONDITIONS.

IN ANY CASE IT IS POSSIBLE TO INSERT PERSONAL SETTINGS, DEPENDING ON VEHICLE UTILIZATION.

REAR SHOCK ABSORBER - ADJUSTMENT

Length with spring preloaded	7.04 in (179 mm)
Compression adjustment	15 clicks (from all the way closed)
Rebound adjustment	18 clicks (from all the way closed)
Spring pre-load adjuster ring	10 turns clockwise (from all the way open)

Spring pre-load

By adjusting the spring pre-load, the seat of the spring itself is moved. Carrying out the adjustment, you can decrease or increase the stiffness of the spring and therefore lower or raise the height of the rear of the vehicle. The spring pre-load is essential for the function performed by the rear shock absorbers. If the spring pre-load is not ad-

justed correctly, no other adjustment will be effective to obtain good shock absorber performance.

Spring pre-load adjustment

Using a hook spanner, loosen the locking ring (5). Operate on the adjusting ring nut (3) to adjust the spring pre-load. Rotate the ring adjuster (3) clockwise to increase the pre-load or anticlockwise to decrease the pre-load.

Hydraulic compression brake

The hydraulic compression brake controls the energy absorption when the shock absorber is compressed. In other words, the hydraulic compression brake adjusts "the ease" of spring compression when the rear wheel is loaded or hits a bump.

Adjustment of the hydraulic compression brake

The hydraulic compression brake is adjusted by rotating the adjuster (2) located on the gas bottle. Rotate the ring adjuster clockwise to increase the hydraulic compression brake or anticlockwise to decrease the hydraulic compression brake.

Rebound braking

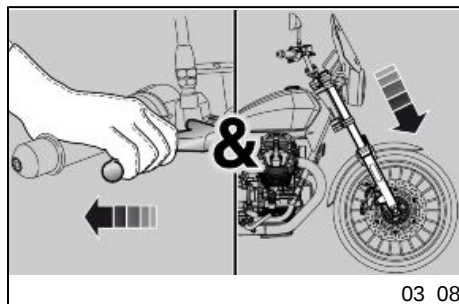
Rebound braking controls the energy absorption when the shock absorber is in the rebound phase. In other words, rebound braking adjusts the speed at which the shock absorber returns to the normal position after having been compressed.

Rebound braking adjustment

Rebound braking adjustment is carried out by rotating the adjuster (1) located on the bottom part of the shock absorber. Rotate the ring adjuster clockwise to increase rebound braking or anticlockwise to decrease rebound braking.

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.



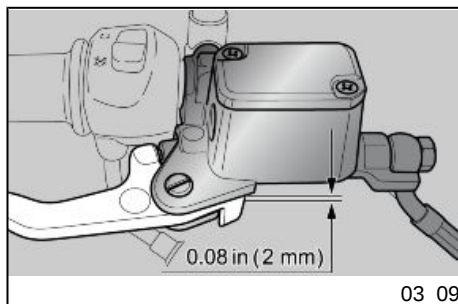
Check front fork (03_08)

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 Authorised Moto Guzzi Dealer.



Front brake lever adjustment (03_09)

The clearance between the end of the brake lever and the brake master cylinder can be checked at the point indicated in the figure.

The clearance should be 0.08 in (2 mm).

IMPORTANT

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

Rear brake pedal adjustment

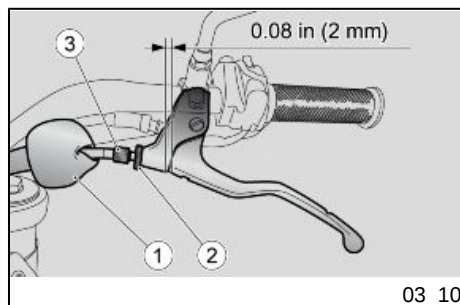
IMPORTANT

TO REMOVE AND REPLACE THE REAR BRAKE PEDAL, CONTACT an official Moto Guzzi Dealer

Clutch lever adjustment (03_10, 03_11)

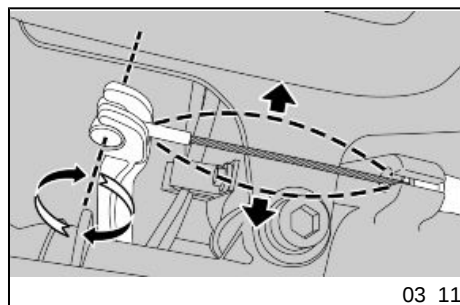
Adjust the clutch if the motor stops, or if the vehicle moves forward with the clutch activated and the gear inserted, or if the clutch "slides," causing a delay in acceleration with respect to the rpm.

- 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 the detachment of the clutch before the standard factory setting is indicated.



To regulate, follow the indicated points:

- Slide the protective casing (1) out
- Loosen the ring nut (2)
- Turn the adjuster (3) with straight handlebar until the free play in correspondence to the fixed stop on the handlebar is 0.08 in (2 mm)
- Push the clutch control lever placed on the gearbox 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 (3)
- Reposition the protective casing (1)
- If after the adjustment in point 3 it is not possible to ascertain the condition of "point 6", contact an **Authorized 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 **Authorized Moto Guzzi Dealer**



Gear pedal adjustment

IMPORTANT

TO REMOVE AND REPLACE THE GEAR SHIFT LEVER, CONTACT AN **Authorized 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 4,500 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 "MAINTENANCE SCHEDULE" TABLE CARRIED OUT.

Starting the engine (03_12, 03_13)

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



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

NEVER START THE ENGINE IN ROOMS THAT ARE CLOSED OR NOT WELL-VENTILATED.

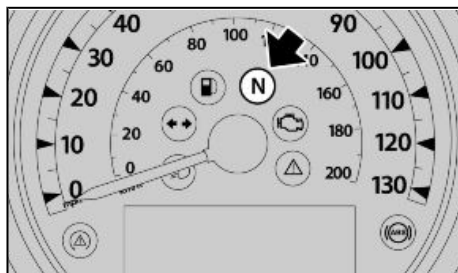


FAILURE TO OBSERVE THIS WARNING COULD LEAD TO UNCONSCIOUSNESS AND EVEN DEATH CAUSED BY SUFFOCATION.

IMPORTANT

WITH THE SIDE STAND IN THE LOWER POSITION, THE ENGINE CAN ONLY BE STARTED ONLY IF THE GEARBOX IS IN NEUTRAL. IN THIS CASE, AN ATTEMPT TO DISENGAGE THE GEAR WILL TURN THE ENGINE OFF.

WITH THE SIDE STAND RAISED, IT IS POSSIBLE TO START THE ENGINE WITH THE GEARBOX IN IDLE POSITION OR WITH THE GEAR ENGAGED AND THE CLUTCH LEVER ENGAGED.



03_12

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

At this time:

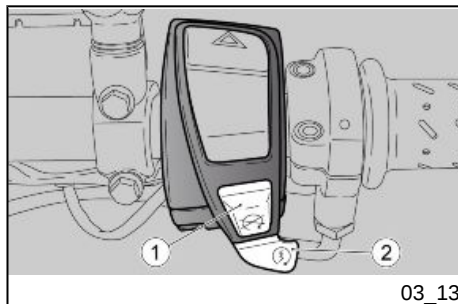
- All warning lights and the back-lighting will turn on for 3 seconds on the instrument cluster.



IF THE LOW GASOLINE WARNING LIGHTS UP ON THE INSTRUMENT PANEL, REFUEL THE VEHICLE AS SOON AS POSSIBLE.



DO NOT MOVE OFF ABRUPTLY AFTER STARTING THE ENGINE FROM COLD. RIDE AT LOW SPEED FOR SEVERAL KILOMETERS. THIS WILL ALLOW THE ENGINE TO WARM UP AND REDUCE POLLUTING EMISSIONS AND GASOLINE CONSUMPTION.



03_13

Moving off / riding (03_14, 03_15, 03_16)

IMPORTANT

THE INJECTION ECU ON THIS MOTORCYCLE MANAGES OPTIMIZATION OF THE ELECTRICAL BALANCE, WHICH REQUIRES A TEMPORARY IDLE INCREASE; THEREFORE, SMALL IDLE SPEED VARIATIONS ARE TO BE CONSIDERED NORMAL.



IF THE LOW GASOLINE WARNING LIGHTS UP ON THE INSTRUMENT PANEL, REFUEL THE VEHICLE AS SOON AS POSSIBLE.

WARNING

IF THE MOTORCYCLE TURNS OFF ACCIDENTALLY THE ECU ALLOWS A RE-START 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.

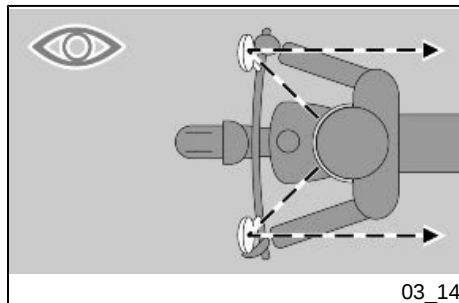
IMPORTANT

WHEN TRAVELING WITHOUT A PASSENGER, MAKE SURE THAT THE PASSENGER FOOTRESTS ARE CLOSED.

IMPORTANT

WHEN RIDING WITH A PASSENGER, INSTRUCT THE PASSENGER SO THAT THEY DO NOT INTERFERE WITH YOUR ABILITY TO MANEUVER THE MOTORCYCLE.

BEFORE STARTING OFF, MAKE SURE THAT THE STAND HAS COMPLETELY RETURNED TO ITS POSITION.



To start:

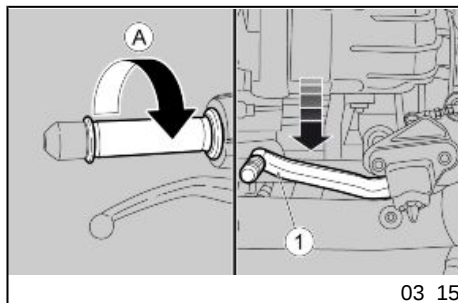
- Turn on the engine.
- Adjust the inclination of the rear view mirrors to ensure proper visibility.

IMPORTANT



WITH THE VEHICLE AT A STANDSTILL, PRACTICE USING THE REAR VIEW MIRRORS. THE MIRROR REFLECTING SURFACE IS CONVEX SO OBJECTS MAY SEEM FARTHER THAN THEY REALLY ARE. THESE MIRRORS OFFER A

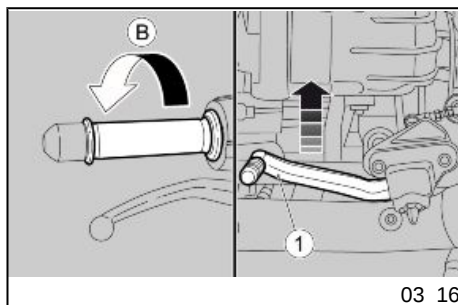
WIDE-ANGLE VIEW AND ONLY EXPERIENCE HELPS YOU JUDGE THE DISTANCE SEPARATING YOU AND THE VEHICLE BEHIND.



- With the throttle grip closed (Pos.A) and with the engine at idle, operate the clutch lever.
- Push the gearbox lever (1) down to select the first gear.
- Release the clutch lever (activated at start up).

IMPORTANT

WHEN TURNING OFF THE VEHICLE, DO NOT RELEASE THE CLUTCH TOO QUICKLY OR SUDDENLY, AS THIS COULD CAUSE THE ENGINE TO STALL 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 at the same time accelerate by moderately turning the throttle grip (Pos.B).

The vehicle will start moving forward.

- For the first few miles of driving, proceed at a limited speed to let the engine warm up.
- Increase the speed by gradually turning the throttle grip, without exceeding the recommended rpm.



DRIVE IN A MANNER AND AT A SPEED THAT ARE CORRECT BASED ON THE EXISTING CONDITIONS.

DO NOT OPERATE ABRUPTLY THE THROTTLE GRIP.

- Release the throttle grip (Pos.A), operate the clutch lever, raise the gearbox lever (1), release the clutch lever and accelerate.

- Repeat the last two operations to pass to the higher gears.



IT IS RECOMMENDED TO SWITCH FROM A HIGHER GEAR TO A LOWER GEAR:

- When going downhill and when braking, to increase braking power by using the engine's compression.
- When going uphill, when the gear being used is not adequate to the speed (high gear, moderate speed) and the RPM decreases.

IMPORTANT

DOWNSHIFT ONE GEAR AT A TIME; WHEN SHIFTING TO A LOWER GEAR, DOWNSHIFTING 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, lightly use the brake levers and slow the vehicle's speed.
- Operate the clutch lever and lower the gearbox lever (1) to engage the lower gear.
- Release the brakes.
- Release the clutch and moderately accelerate.



TO AVOID OVERHEATING THE CLUTCH, THE TIME SPENT WITH THE ENGINE TURNED ON, THE VEHICLE STOPPED, THE GEARBOX IN GEAR AND THE CLUTCH ENGAGED SHOULD BE MINIMAL.



OPERATING SOLELY THE FRONT BRAKE OR THE REAR BRAKE SIGNIFICANTLY REDUCES THE VEHICLE'S BRAKING FORCE.

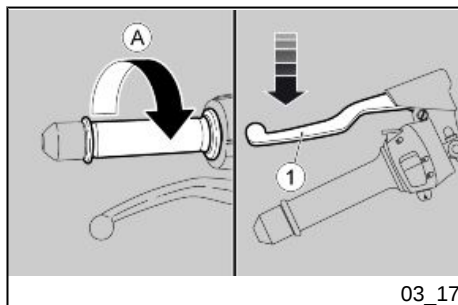
WHEN STOPPING UPHILL, DECELERATE COMPLETELY AND ONLY USE THE BRAKES TO MAINTAIN THE VEHICLE IN THE STOPPED POSITION.

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, DOWNSHIFT AND USE 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.) MAINTAIN A MODERATE SPEED, AVOIDING SUDDEN BRAKING OR MANEUVERS THAT COULD CASE A LOSS OF TRACTION AND POSSIBLY A FALL OR AN ACCIDENT.



Stopping the engine (03_17)

- Release the throttle grip (Pos.A), gradually engage the brakes and at the same time switch the gears to decrease the speed.

Reduce the speed, before bringing the vehicle to a complete stop:

- Activate the clutch (1) to avoid the engine turning off.

With the vehicle stopped:

- Position the gear shift to neutral (green light :N: on).
- Release the clutch lever (1).
- During a short break, keep at least one brake lever activated.

IMPORTANT

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

Parking

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

IMPORTANT

PARK THE VEHICLE ON FIRM AND LEVEL GROUND TO PREVENT IT FROM FALLING OVER.

DO NOT LEAN THE VEHICLE AGAINST WALLS AND DO NOT LAY IT DOWN ON THE GROUND.

MAKE SURE THAT THE VEHICLE, AND IN PARTICULAR ITS HOT COMPONENTS (ENGINE, EXHAUST SYSTEM, BRAKE DISKS), DO NOT COMPROMISE THE SAFETY OF ADULTS AND CHILDREN. DO NOT LEAVE THE VEHICLE UN-ATTENDED WITH THE ENGINE RUNNING OR WITH THE KEY IN.

IMPORTANT

A FALL OR EXCESSIVE TILTING OF THE VEHICLE COULD CAUSE FUEL TO SPILL.

THE FUEL USED TO PROPEL INTERNAL COMBUSTION ENGINES IS HIGHLY FLAMMABLE AND CAN EXPLODE UNDER CERTAIN CONDITIONS.



DO NOT PUT YOUR WEIGHT, NOR THAT OF A PASSENGER ON THE SIDE STAND.

Catalytic silencer

The vehicle has a metal trivalent catalytic muffler (platinum, palladium, rhodium).

This device is used to oxidize the CO (Carbon Monoxide) converting it into carbon dioxide, the HC (unburned hydrocarbons) converting them into water vapor and to reduce the NOX (Nitrous Oxide) converting it into oxygen and nitrogen in the exhaust.



AVOID PARKING YOUR VEHICLE IN DRY UNDERBRUSH OR IN AREAS ACCESSIBLE TO SMALL CHILDREN, AS THE CATALYTIC MUFFLER REACHES VERY HIGH TEMPERATURE DURING RIDING; FOR THIS REASON USE THE MAXIMUM CARE AND AVOID ANY TYPE OF CONTACT UNTIL IT HAS COMPLETELY COOLED.



DO NOT USE LEADED GASOLINE, AS IT LEADS TO TO THE DESTRUCTION OF THE CATALYTIC CONVERTER.

Owners are warned that the law may prohibit the following:

- the removal or any action intended to render inoperative, on the part of anyone, if not for maintenance operations, repair or substitution, any device or element incorporated in a new vehicle that is intended to control noise emis-

sions before purchase or delivery of the vehicle to the final purchaser, or while it is in use;

- use of the vehicle after said device or constituent element has been removed or rendered inoperable.

Check the muffler/exhaust silencer and the silencer pipes, making sure there are no signs of rust and that the exhaust system works properly.

In the case that the noises produced by the exhaust system increase, immediately contact an authorized **Moto Guzzi Dealership or Service Center**.

NOTE

DO NOT TAMPER WITH THE EXHAUST SYSTEM.

Stand (03_18, 03_19)



WHEN THE VEHICLE IS NOT IN USE: IF THE MOTORCYCLE IS NOT IN USE AND ON THE SIDE STAND, DO NOT SIT ON IT. THE PARKING STAND IS DESIGNED EXCLUSIVELY FOR KEEPING THE VEHICLE BALANCED. THE ADDITIONAL WEIGHT OF THE RIDER, PASSENGER OR BOTH CAN CAUSE THE VEHICLE TO FALL, CAUSING SERIOUS INJURY OR DEATH.

BEFORE MOVING THE VEHICLE: MAKE SURE THAT THE SIDE STAND HAS BEEN RAISED COMPLETELY. IF THE STAND IS NOT COMPLETELY LIFTED, THERE IS A RISK OF SERIOUS INJURY OR DEATH.



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.

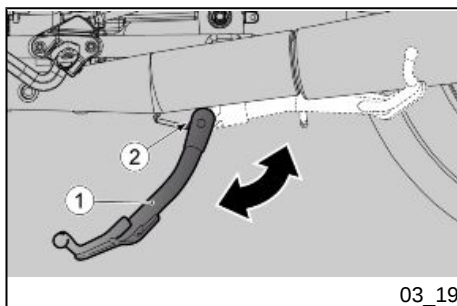
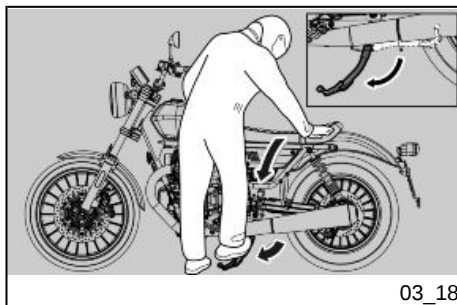
SIDE STAND

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.



Suggestion to prevent theft

IMPORTANT

IF YOU USE A DISC-LOCKING DEVICE, ALWAYS MAKE SURE THAT YOU REMOVE IT BEFORE BEGINNING TO RIDE YOUR VEHICLE. NOT RESPECTING THIS RECOMMENDATION COULD CAUSE SERIOUS DAMAGE TO THE BRAKING SYSTEM, PROVOKING ACCIDENTS, WITH CONSEQUENT SERIOUS INJURY AND 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 a guard. Use, if possible, an additional antitheft device. Make sure all motorcycle 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 the motorcycle is found after a theft.

LAST NAME:

NAME:

ADDRESS:

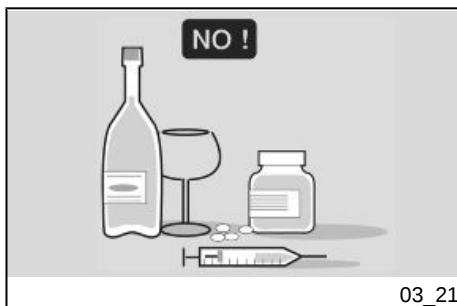
TELEPHONE NO.:

WARNING

IN MANY CASES, STOLEN VEHICLES ARE IDENTIFIED USING THE INFORMATION CONTAINED IN THE USE AND MAINTENANCE MANUAL.



03_20



03_21

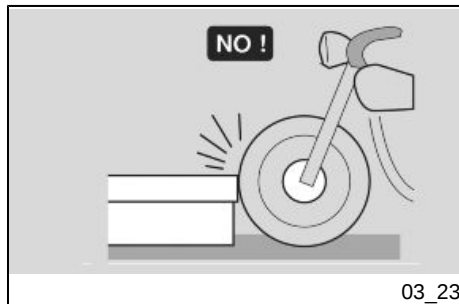
Safe riding (03_20, 03_21, 03_22, 03_23, 03_24, 03_25, 03_26, 03_27, 03_28, 03_29, 03_30, 03_31, 03_32, 03_33, 03_34, 03_35, 03_36, 03_37, 03_38, 03_39, 03_40, 03_41, 03_42)

BASIC SAFETY RULES

The following instructions refer to normal use of your vehicle, and should be respected. Observing these rules will allow you to increase your level of safety and that of those around you, as well as increasing the life and usefulness of your vehicle. Obviously two-wheeled vehicles do not offer any of the protection normally given by an automobile. For this reason, it is fundamental to wear the appropriate protective clothing. In particular, while riding your vehicle, you should always wear a helmet, gloves, protective glasses, along with a heavy jacket, sturdy shoes, and long, hard-wearing pants. In any case, you should always bear in mind that even the best clothing and helmet can not protect you in case of a fall or collision with another vehicle. Protective clothing will protect you from scratches and abrasions, but their protective ability is minimal in the case of impact. Make sure that you have all the requirements under the law, included motorcycle rider's license, minimum age, adequate instruction, insurance, taxes, registration, license plate, etc. As soon as you obtain your vehicle, familiarize yourself with it, practicing in an area with low or no traffic. Avoid riding your vehicle in areas with high levels of traffic until you have obtained an optimum level of experience and are completely sure of your riding skills. While this vehicle is sanctioned for use on highways and county roads, it is recommended that you do not ride on these types of streets until you have obtained a high level of familiarity with your vehicle and have a high level of ability in its use. A new vehicle must undergo a thorough run-in. Before you start up the engine, make sure that the brakes, clutch, transmission and throttle lever all work properly, and that the gasoline and oil levels are appropriate. The exhaust system, brakes and other components can become hot while riding. Do not touch these components. Taking some medicines or drugs, either under a doctor's prescription or illegally, as well as drinking alcohol, increases the risk of an accident notably. Do not ride under the effect of alcohol or medicine, whether they are illegal or prescribed by a doctor. Make sure that your physical condition is appropriate before you begin to ride your vehicle. Do not ride if you are particularly fatigued or tired. Alcohol, medicine, and tiredness are the principal causes of accidents. Many accidents are due to the rider's inexperience. Do not ride your vehicle before you have attended training held by a recognized organization such as the Motorcycle Safety Foundation. Always remember that riding a two-wheeled vehicle, while easy and fun, is very different from driving a car. An expert rider is not necessarily capable of riding



03_22



03_23

a two-wheeled vehicle safely. NEVER lend your vehicle to other people if you are not sure that they are experts, and have a motorcycle rider's license. Respect all the rules of the road. In particular, pay attention to all warning, traffic and informational signs.

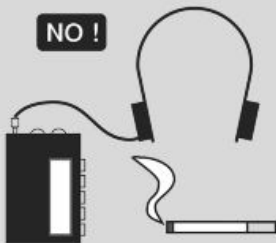
Avoid showing off with dangerous moves (for example wheelies). In particular, respect speed limits, and remember that road conditions vary based on weather conditions: wet and icy roads are particularly dangerous at sustained speeds. Automobile riders frequently have difficulty seeing two-wheeled vehicles, so you should always give cars precedence, even though cases where the rules of the road actually give you the right of way. Always make sure that the road is free behind you before changing lanes. Do not rely exclusively on your rearview mirror, since it may underestimate the distance and/or speed of a vehicle, or even not show it at all. Avoid obstacles that may damage your vehicle or make you lose control. Do not drive immediately behind vehicles, either trucks or cars, and do not drive in their wake in an attempt to increase your speed. In the case of an accident, motorcycles, scooters and mopeds do not offer the same level of protection given by automobiles. The legs are especially at risk of injury. Installing leg-guards can greatly increase the risk and seriousness of injuries in the case of an accident. Do not install leg-guards available on the spare part and accessory after market. Not following these recommendations could lead to serious injury and even death. While driving always keep both hands on the handlebar and both feet on the footrests. Never change gear without using the clutch if the vehicle is provided with it. Do not use the gear shift or other handles jerkily or suddenly. Driving in this manner could damage the internal components of the vehicle, leading to the engine seizing, loss of control, serious injury, or even death. Remain seated while riding. Never stand on your feet or stretch yourself while riding. If you need to rest, pull over in a safe place on the road. It is very important for your safety that you always ride with the utmost attention. Pay attention to your own actions, do not become distracted by other vehicles, people or things near the streets, etc. Do not smoke, eat, drink, read, etc., while riding the vehicle. If it becomes necessary to examine a road map, pull over and do so safely. Use only the fuel and lubricants indicated safe for your vehicle in the TABLE OF RECOMMENDED PRODUCTS; check the level of coolant, fuel and oil regularly. If the throttle grip is malfunctioning, you could fall or have a collision with another vehicle. If the throttle grip is malfunctioning, turn off the engine with the engine stop button located on the right handle. Do not attempt to restart the engine until the throttle grip has been repaired and is completely functional. Not observing these warnings may lead to a fall resulting in serious injury and even death.

IMPORTANT

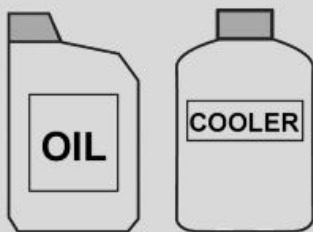
IN THE CASE OF AN EMERGENCY BECAUSE THE THROTTLE GRIP IS MALFUNCTIONING, ALWAYS TURN OFF THE ENGINE USING THE ENGINE STOP BUTTON LOCATED NEAR THE ACCELERATION GRIP ON THE RIGHT HANDLEBAR. NEVER USE THE VEHICLE IF THE THROTTLE GRIP DOES NOT AUTOMATICALLY AND COMPLETELY RETURN TO THE NEUTRAL POSITION WHEN YOU LET GO OF IT ON. CONTACT YOUR LOCAL Official Moto Guzzi Dealership FOR REPAIRS. NOT OBSERVING THESE WARNINGS MAY LEAD TO SERIOUS ACCIDENTS CAUSING SERIOUS INJURY AND EVEN DEATH.



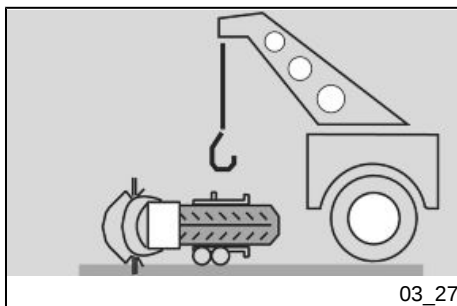
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NO !

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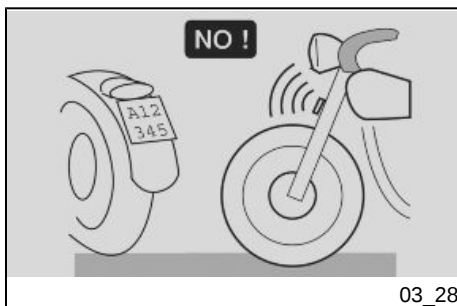


03_27

If you are involved in an accident with your vehicle, make sure that the command levers, tubes, wires, braking system and other vital components were not damaged. If your vehicle is involved in an accident, immediately contact your local **Moto Guzzi** Dealership which has the tools and knowledge necessary to assess if any damages were sustained that could compromise your safety.

Your **Moto Guzzi** Dealership is able to resolve all safety problems, on the condition that you tell them about all mechanical malfunctions.

Do not use the vehicle when it is damaged. A damaged vehicle could lose stability or have other problems which may increase the risk of accidents, and consequently the risk of serious injuries or even death.



03_28

Do not attempt to modify the position, angle or color of your license plate. The license plate should not be covered in any way, not even with transparent plastic. Do not modify your vehicle's safety systems, in particular components associated with the turn signals, rearview mirrors, the lights and the horns.

Any modification to the vehicle renders the warranty null and void.

Do not modify the engine in order to increase its power. This could lead to irreparable damage to the engine, including compromising its performance and the manageability of the vehicle, leading to a fall, serious injuries, and even death.

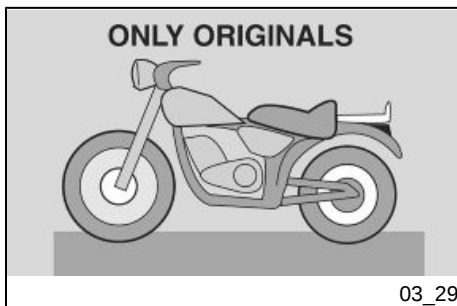
To repair your vehicle use only original **Moto Guzzi** parts or parts approved by **Moto Guzzi**. The use of aftermarket accessories and spare parts can seriously compromise the safety of your vehicle, as well as its performance and usability. All modifications that impact the performance and safety of the vehicle render the warranty null and void.

Tampering with the emissions or sound control system is prohibited by law and can be severely punished.

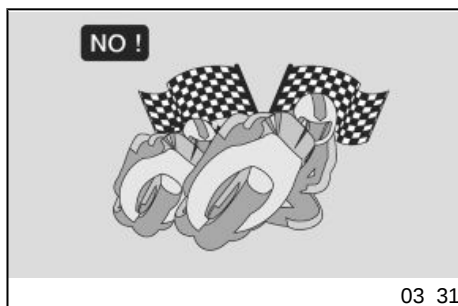
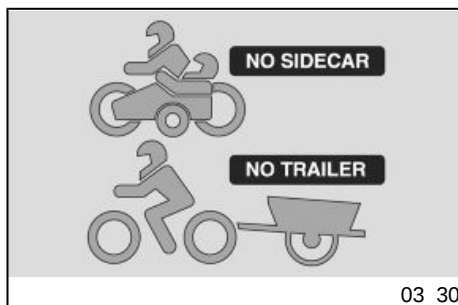
In some jurisdictions your vehicle could be confiscated.

This vehicle was not designed to carry a sidecar, nor to be used to haul trailers or other vehicles.

Moto Guzzi does not produce sidecars or trailers, and for this reason is not able to predict the consequences that these accessories could have on the stability and maneuverability of your vehicle: in any case you are advised that these may have a



03_29



negative effect on your vehicle, and the warranty will not be recognized for any damages the vehicle or its components may sustain due to a use of this type of accessory.

Never use your vehicle to race other vehicles.

When braking use both the front and rear brake. In the case of abrupt braking, the use of only one brake could cause your vehicle to slide or cause you to lose control of the vehicle.

While driving downhill, take advantage of the engine's braking action by selecting the same gear or a lower gear in respect to that used for going uphill. Use the front and rear brakes with moderation.

Always travel at an appropriate speed and avoid sudden useless acceleration, not only to increase your safety, but also to reduce fuel consumption, and increase your vehicle's life.

When you ride your vehicle on wet or slippery roads, always remember that your traction is notably diminished. In these conditions always maneuver your vehicle with the maximum caution and care.

Sudden acceleration, brakes or turns could cause you to lose control of your vehicle. When traction is reduced, accelerate and brake taking advantage of, as much as possible, the engine's braking power. Avoid braking suddenly and/or too quickly.

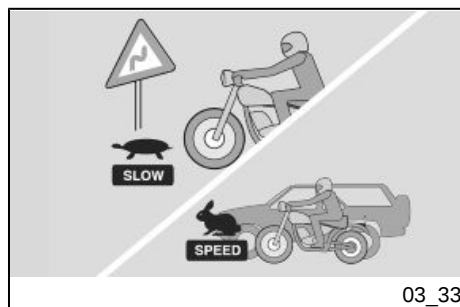
Open and close the throttle grip slowly in order to avoid causing the rear wheel to slip or slide.

Slow down and drive with caution on irregular road surfaces.

Avoid turning the throttle grip to its maximum except in cases of absolute necessity, such as passing.

Do not let the engine run "stressed," running at an RPM that is too low. Shift down to a lower gear. Do not make the engine run at too high an RPM. Pay attention to the red line on the speedometer.

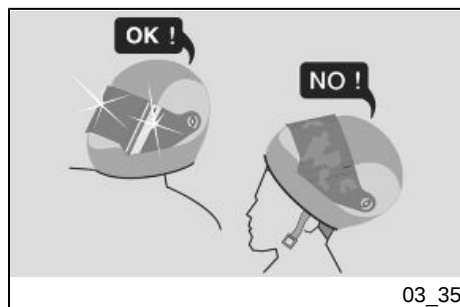
Remember that turning too aggressively can cause the side of the tires to lose contact with the ground, leading to a fall, serious injury, and even death.



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Always respect speed limits, remembering that it is not always safe to ride at the maximum of the limits under all road conditions. Slowing down slightly greatly increases your safety under all road conditions.

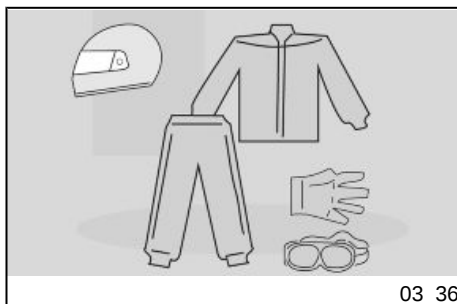
Do not drive the vehicle off-road.

Do not tamper with the exhaust or emissions control system, not only because it could harm the environment, but also because you could risk penal sanctions.

CLOTHING

Before you begin riding, make sure that your clothing is in good condition. Wear your helmet correctly, making sure that the visor or your protective goggles are clean.

Research and experience demonstrate that riders of other vehicles frequently do not see motorcycles or their riders. To render yourself more visible to these riders, wear reflective clothing such as reflective jackets, or other types of clothing with reflective areas sewn on to the jacket, pants and gloves. Pay particular attention to trucks and automobiles arriving from the other side of the road, as they could turn right or left right in front of you. Many accidents are caused by a rider on the other side of the road who turns left without taking into consideration the vehicle in front.



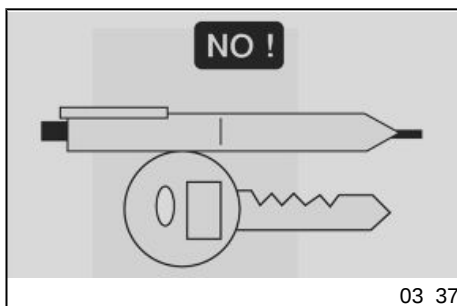
Without doubt the rider in front of you will swear that s/he saw you only when, after turning, s/he found you in their lane. Ride with caution!

Wear protective clothing, choosing bright and/or reflective colors. This will make you easily seen by other road users, thus reducing the risk of an accident and increasing your protection level in the event of a fall.

Always wear a helmet.

Clothing must be particularly tight and closed around wrists and ankles. Strings, belts and ties should not be hanging loose; prevent these and other objects from interfering with your ride, getting caught in moving parts or driving mechanisms.

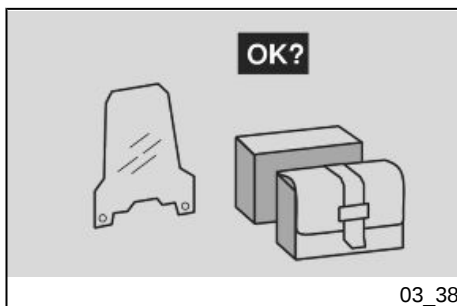
Do not keep pointed objects in your pockets which could become dangerous in the case of a fall (for example: keys, mechanical pencils, etc.). Make sure that any passengers you may have also respect these recommendations.



ACCESSORIES

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

The installation of inappropriate accessories or overloading the vehicle could render it unstable and cause accidents, with the consequent risk of serious injury and even death. Windshields are particularly dangerous in the case of accidents, because they can break and injure or cut the rider. In case of doubt about any accessory or installation or any freight to be carried, it is recommended that you first consult with your local **Moto Guzzi** Dealership.

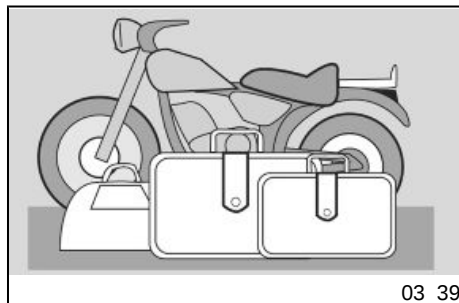


Do not install any accessory that covers the horn or the lights or impairs their operation, is in the way of suspension travel or steering angle, impairs the operation of vehicle controls or reduces ground clearance or lean-in angle.

Do not install accessories that hinder access to controls and may thus lengthen your response time in the event of an emergency.

Large fairings and windshields affect the vehicle's aerodynamic performance and its stability, especially at high speeds.

Make sure that anything mounted on your vehicle is attached securely, and cannot come free and block the wheels, forks, etc. Do not install electrical accessories or modify the vehicle's electrical system. Any component that could cause an electrical surge or an electrical problem could lead to the immediate stopping of the vehicle, the lights and horn to turn off or lose intensity, and malfunctioning of the other safety features. Use only original **Moto Guzzi** accessories.



LOADING

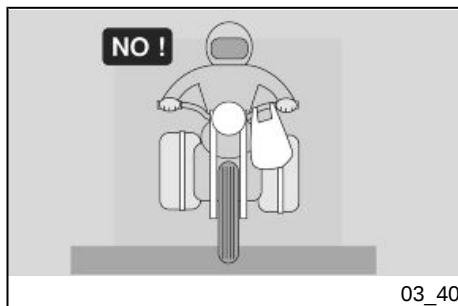
Do not overload your vehicle.

Secure bags and baggage as close to possible to the vehicle's center of balance and distribute the weight as uniformly as possible between the two sides, to reduce imbalance as much as possible. Always remember that the baggage will tend to loosen during the ride. For this reason, check frequently that your baggage is secure.

Never allow objects to hang from the handlebars of your vehicle, from the mudflaps, or the forks, as this could compromise the manageability of your vehicle and impede your ability to avoid an accident. Not observing these warnings may lead to a fall, resulting in serious injury and even death.

Do not ride with a helmet attached to the belt, since in this position it could easily become entangled in the wheels, the mudguards or in the forks, causing a fall, and consequently, serious injury or even death.

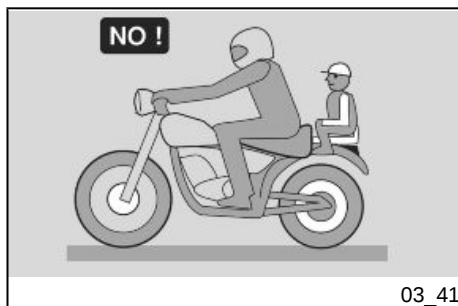
Carry a passenger only if your vehicle is equipped with passenger footpegs, handgrips for the passenger to hold on to, and a passenger saddle.



When you carry a passenger, always remember that the vehicle's manageability is reduced, the brakes are less efficient, and the center of gravity is higher and farther back.

This increases the possibility of the front wheel losing contact with the ground, especially while accelerating. For this reason, avoid abrupt accelerating and braking. Many accidents are caused by inexperienced riders who are carrying a passenger. Remember to execute driving maneuvers with a greater allowance for safety in case of excessive passenger weight.

Avoid abrupt and excessive acceleration. Slow down in advance, and calculate distances for stopping and for longer maneuvers. Not following these instructions could lead to the vehicle overturning or other accidents with consequent serious injuries and even death.



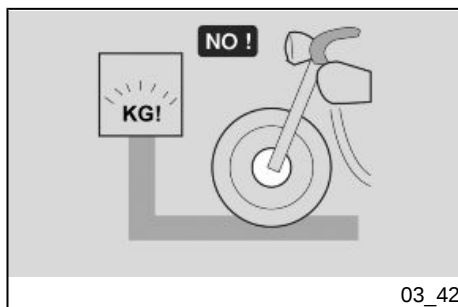
Never transport objects that are not secure, and make sure that when they are transported they are securely fastened to the vehicle.

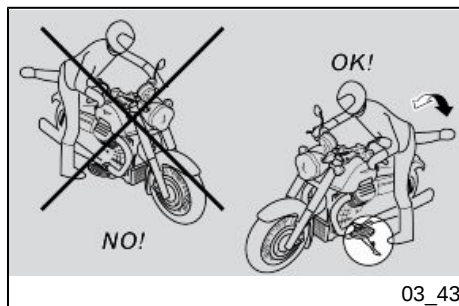
Do not carry packages that protrude from the luggage rack or which cover any of the alarm devices or lights.

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

Never exceed the maximum weight indicated for each bag.

Overloading your vehicle can seriously decrease its stability and maneuverability leading to a fall, with consequent serious injury or even death.





03_43

Basic safety rules (03_43, 03_44, 03_45, 03_46, 03_47)

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.

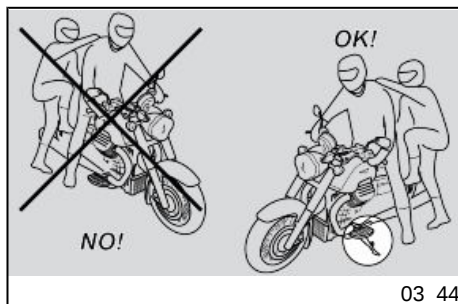
The stand is designed to support the weight of the vehicle and a small additional weight, which does not include the rider and passenger.

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

IT IS THE RESPONSIBILITY OF THE RIDER TO INSTRUCT THE PASSENGER ABOUT THE PROPER WAY TO MOUNT AND DISMOUNT FROM THE VEHICLE.

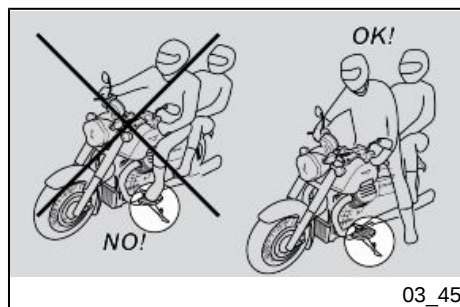
THE VEHICLE INCLUDES PASSENGER FOOTRESTS WHICH SHOULD BE USED DURING MOUNTING AND DISMOUNTING. THE PASSENGER SHOULD ALWAYS USE THE LEFT FOOTREST FOR MOUNTING AND DISMOUNTING FROM THE VEHICLE.

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.

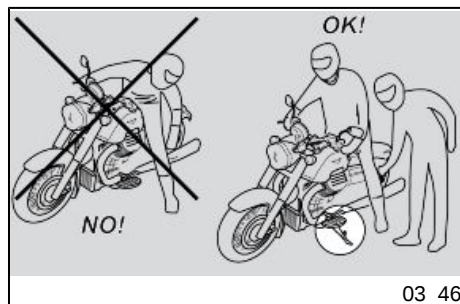
IMPORTANT

IN CASE YOU ARE NOT ABLE TO REST BOTH FEET ON THE GROUND, PUT THE RIGHT FOOT ON THE GROUND, (IN CASE YOU LOSE BALANCE, THE LEFT SIDE IS "PROTECTED" BY THE KICKSTAND) 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.



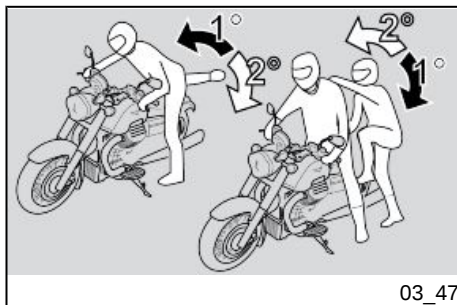
- Have the passenger open the two passenger foot pegs.
- Show the passenger how to mount the vehicle.
- Use your left foot to push on the side stand and make it fully return to its position.

DISMOUNTING

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



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



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

IMPORTANT

IN CASE YOU ARE NOT ABLE TO REST BOTH FEET ON THE GROUND, PUT THE RIGHT FOOT ON THE GROUND, (IN CASE YOU LOSE BALANCE, THE LEFT SIDE IS "PROTECTED" BY THE KICKSTAND) 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 THAT THE VEHICLE IS STABLE.

V9



Chap. 04 Maintenance

Foreword

Normally, ordinary maintenance can be performed by the rider, but at times it will require the use of specific tools and technical preparation. In the case of periodic maintenance, or if you need assistance or technical advice, consult an **Official Moto Guzzi Dealer** who will provide precise and quick service.

WARNING

THIS VEHICLE IS CAPABLE OF DETECTING AND RECORDING INDIVIDUAL MALFUNCTIONS AND RECORDING THEM ON THE ELECTRONIC CONTROL UNIT.

WHENEVER THE IGNITION SWITCH IS TURNED TO "ON," THE LED GENERAL ALARM LIGHT ON THE INSTRUMENT PANEL WILL LIGHT UP FOR ABOUT THREE SECONDS. IF THE WARNING LIGHT TURNS OFF, IT MEANS THAT THERE IS NO FAULT.

NOTE

HALVE THE SERVICE INTERVALS INDICATED IF THE VEHICLE IS USED IN PARTICULARLY RAINY OR DUSTY CONDITIONS, ON POOR ROADS OR FOR HIGH PERFORMANCE RIDING.

Engine oil level



THE CORRECT VEHICLE LUBRICATION IS A VERY DELICATE OPERATION FROM A SAFETY POINT OF VIEW. TAKE CARE TO KEEP THE LUBRICANT AT THE RIGHT LEVEL AND TO USE A GOOD QUALITY OIL, OF THE CORRECT TYPE FOR YOUR VEHICLE; OTHERWISE, ENGINE SEIZURE MAY OCCUR, THAT MAY CAUSE SERIOUS ACCIDENTS OR EVEN DEATH.



USE LATEX GLOVES FOR MAINTENANCE OPERATIONS INVOLVING CONTACT WITH USED OIL. USING ENGINE OIL MAY CAUSE SERIOUS SKIN TUMOURS IF HANDLED FOR PROLONGED PERIODS OF TIME AND ON A REGULAR BASIS. WASH YOUR HANDS ACCURATELY WITH WATER AND SOAP AFTER HANDLING USED ENGINE OIL.

KEEP OUT OF THE REACH OF CHILDREN

DISPOSE OF THE OIL CORRECTLY.



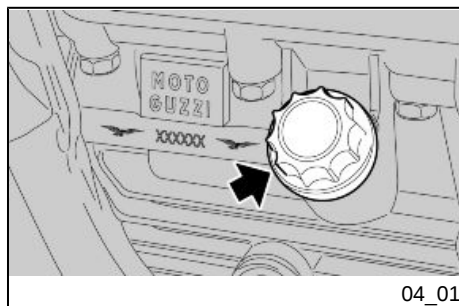
PAY SPECIAL ATTENTION WHEN POURING OIL IN YOUR VEHICLE AND AVOID LEAKAGES.

CLEAN IMMEDIATELY EVERY DROP OF LEAKED OIL BECAUSE THE OIL CAN COMPROMISE THE FINISHING OF YOUR VEHICLE. MOREOVER, OIL MAKES THE TIRES EXTREMELY SLIPPERY AND THEREFORE IT INCREASES THE RISK OF DANGEROUS ACCIDENTS AND SITUATIONS..

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



IF THE ENGINE OIL PRESSURE WARNING LIGHT REMAINS LIT AFTER THE ENGINE HAS BEEN STARTED UP, OR LIGHTS UP WHILE YOU ARE RIDING, THIS MEANS THAT THE OIL SYSTEM IS NOT CREATING ENOUGH PRESSURE. IF THIS OCCURS, SHUT OFF THE ENGINE AT ONCE AND CONTACT AN Official Moto Guzzi Dealership. NOT FOLLOWING THIS ADVICE COULD CAUSE YOUR ENGINE TO SEIZE, YOUR VEHICLE TO FLIP OVER, AND SERIOUS, EVEN MORTAL, ACCIDENTS.



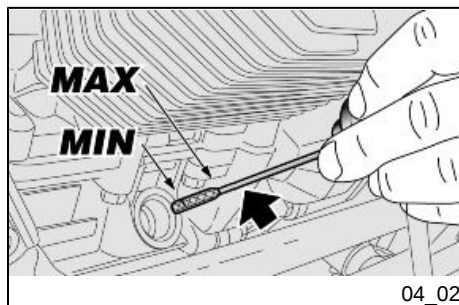
Engine oil level check (04_01, 04_02)

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

To check:



THE ENGINE OIL LEVEL MUST BE CHECK WITH THE ENGINE WAR AFTER HAVING TRAVELED APPROXIMATELY 9.32 mi (15 km) ON OFF-ROAD (ENOUGH TO WARM UP THE ENGINE OIL).



- Stop the engine.
- Keep the vehicle in a vertical position, with both wheels resting on the ground.
- Unscrew, removing the oil refilling cap/dipstick and clean it.
- Insert and completely screw in the oil refilling cap/dipstick.
- Unscrew and remove the oil refilling cap/dipstick and check to ensure the level is correct.

MAX = maximum level.

MIN = minimum level.

The difference between "**MAX**" and "**MIN**" is about 24.41 cu in (400 cc)

- The correct oil level is near the "**MAX**" mark.

IMPORTANT



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

Engine Oil Top Off

If necessary, top off the engine oil:

- Remove the oil refilling cap/dipstick.



DO NOT ADD ADDITIVES OR OTHER SUBSTANCES TO THE OIL.

If you use a funnel or another implement, make sure that it is perfectly clean.

IMPORTANT

USE HIGH QUALITY 10W-60 OIL.

- Pour the oil in until you reach the correct level.

Engine oil change (04_03, 04_04)



THE OPERATIONS FOR SUBSTITUTING ENGINE OIL AND THE OIL FILTER COULD BE DIFFICULT AND COMPLEX FOR A NON-EXPERT.

IF NECESSARY, CONTACT AN Official Moto Guzzi Dealership.

IF INSTEAD YOU WOULD LIKE TO PERSONALLY PERFORM THE PROCEDURE, ABIDE BY THE FOLLOWING INSTRUCTIONS.

Periodically check the motor oil level.

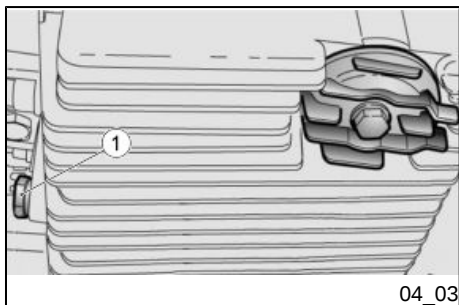
To replace:

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 container, with a capacity of more than 122.05 cu in (2,000 cc) underneath the drainage cap (1).
- Unscrew and remove the drainage cap (1).
- Drain the oil and let it drip for a few minutes into the container below.
- Check and, if necessary, replace the sealing washer from the drainage cap (1).
- Remove the metal residue attached to the magnet on the drainage cap (1).
- Screw in and lock the drainage cap (1).

Drainage caps tightening torque (1): 14.75 - 16.23 lb ft (20 - 22 Nm)



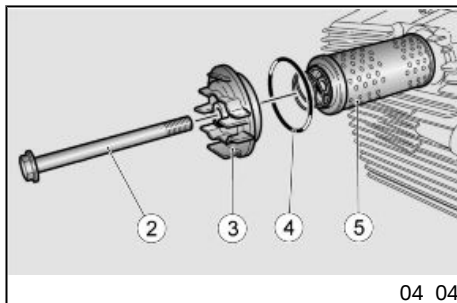
DO NOT DISPOSE OF OIL INTO THE ENVIRONMENT.

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

Replacement of the engine oil filter

IMPORTANT

REPLACE THE ENGINE OIL FILTER EVERY 6213.71 mi (10,000 km) (OR AT EVERY ENGINE OIL CHANGE).



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

NOTE

NEVER REUSE AN OLD FILTER.

- Smooth a layer of oil on the gasket ring (4) of the new engine oil filter.
- Insert a new engine oil filter with the spring turned towards the ground.
- Replace the cover (3), screw in and tighten the screw (2).

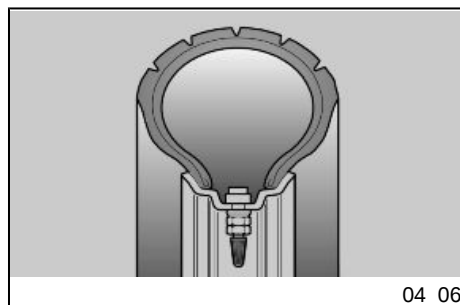
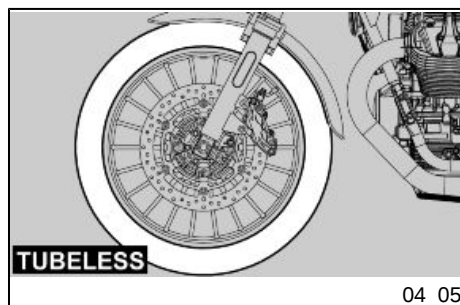
Bevel gear pair oil level**IMPORTANT**

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

Gearbox oil level

IMPORTANT

FOR GEARBOX OIL DEMOUNTING, CHECKING AND REPLACING, PLEASE CONTACT AN Official Moto Guzzi Dealership.



Tires (04_05, 04_06, 04_07)

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

IMPORTANT

WE RECOMMEND SETTING THE MGCT SYSTEM TO LEVEL «2» AND KEEPING THIS LEVEL ACTIVE FOR THE ENTIRE BREAKING-IN PERIOD IN ORDER TO ALLOW THE TIRES TO ADAPT CORRECTLY TO THE ASPHALT CONDITIONS.

THE SAME NOTE IS ALSO VALID FOR TIRE CHANGES.

IMPORTANT



TO ALLOW THE QUICK REACHING OF THE PERFECT GRIP OF NEW TIRES 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.

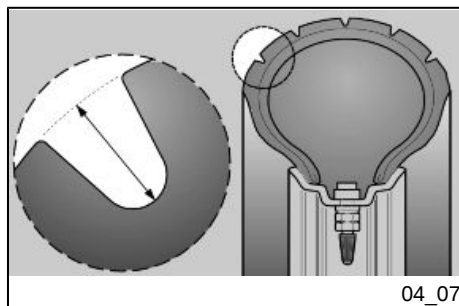
WHEN TYRES ARE OLD, THE MATERIAL MAY HARDEN AND NOT PROVIDE ADEQUATE ROAD HOLDING, EVEN IF TYRES ARE STILL WITHIN THE WEAR LIMIT. REPLACE TYRES IF THIS OCCURS. REPLACE THE TYRE IF IT IS WORN OR IF THERE IS A PUNCTURE LARGER THAN 0.197 in (5 mm) IN THE TREAD AREA.

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 in any case no less than legal requirements in the country where the vehicle is used.

Spark plug removal

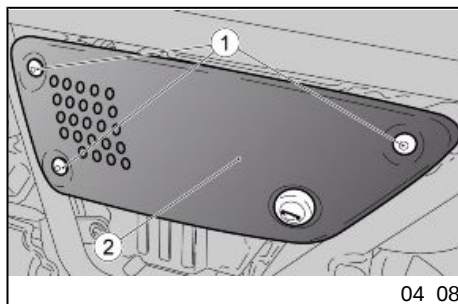
IMPORTANT

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

Side panel disassembly (04_08, 04_09)

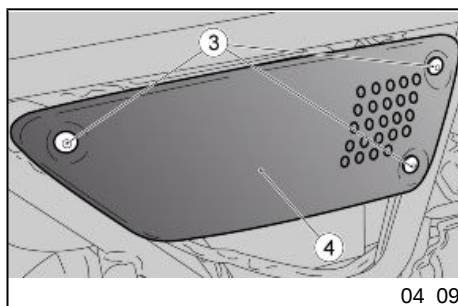
NOTE

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



LEFT FAIRING

- Remove the saddle.
- Unscrew and remove the three screws (1) and remove the fairing (2).
- The left fairing (2) can be removed, but remains connected to the chassis with the saddle release cable.



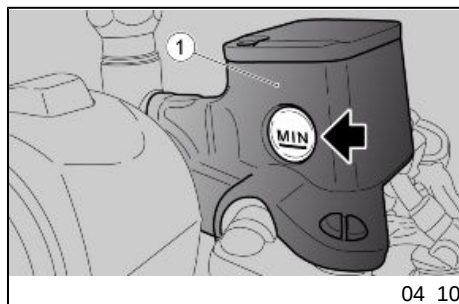
RIGHT FAIRING

- Remove the saddle.
- Unscrew and remove the three screws (3) and remove the fairing (4).
- The right fairing (4) can be completely removed.

Air filter removal

IMPORTANT

FOR REMOVAL, CHECK, AND REPLACEMENT OF THE AIR FILTER CONTACT AN OFFICIAL Moto Guzzi dealer Moto Guzzi.



04_10

Checking the brake fluid level (04_10, 04_11)

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

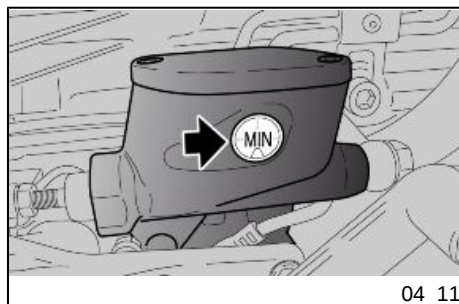
If the fluid does not reach at least the "**MIN**" reference mark:

IMPORTANT

FLUID LEVEL DECREASES GRADUALLY AS BRAKE PADS WEAR DOWN.

- Check the brake pads and discs for wear.

If the pads and/or the disc do not need to be replaced, have the braking system checked by an **Official Moto Guzzi Dealership**.



04_11

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.

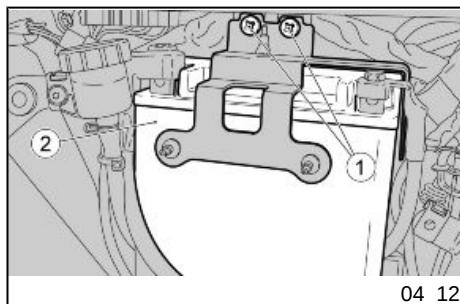
- Check the brake pads and discs for wear.

If the pads and/or the disc do not need to be replaced, have the braking system checked by an **Official Moto Guzzi Dealership**.

Braking system fluid top up

IMPORTANT

TO TOP UP THE BRAKE SYSTEM FLUID CONTACT AN Official Moto Guzzi Dealer.



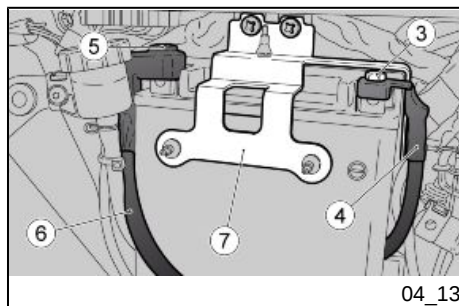
Use of a new battery (04_12, 04_13)

- Make sure the ignition switch is set to "KEY OFF".
- Remove the rider's saddle.
- Remove the right side body panel.
- Unscrew the two fixing screws (1) in order to remove the battery (2) just enough to unscrew the screws on the terminal clamps.
- Unscrew and remove the screw (3) from the negative lead (-).
- Move the negative cable (4) to the side.
- Unscrew and remove the screw (5) from the positive lead (+).
- Move the positive cable (6) to the side.
- Then remove the battery retainer bracket (7).
- Firmly hold of the battery (2) and remove it from its housing.
- Place the battery on a flat surface, in a cool and dry place.
- Position the fixing clamp (2) and replace the screws (1).
- Reinstall the right side panel.
- Replace the rider's saddle.

To install a new battery, follow the steps described in inverse order.

IMPORTANT

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



04_13



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 LOG 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 BATTERY IS EQUIPPED WITH A NON-MAINTENANCE BATTERY, WHICH REQUIRES NO MAINTENANCE OUTSIDE OF AN OCCASIONAL CHECK, AND IF NECESSARY, RECHARGING.

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.

Turn on the battery charger.

Characteristic**RECHARGING METHOD**

Recharging - Normal

Electrical Current - 1.8 A

Time - 8-10 hours

Long periods of inactivity

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

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

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

- Fully recharge with an ordinary charge.

If the battery is still on the motorcycle, disconnect the cables of the terminals.

Checking and cleaning leads and terminals

- Partially remove the battery from its housing.

- Check that the cable ends and the battery terminals are in good state (not corroded or covered in deposits) and covered in neutral grease and petroleum jelly.

Fuses (04_14, 04_15, 04_16, 04_17)

IMPORTANT

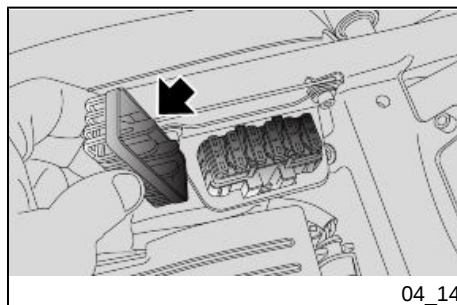


DO NOT ATTEMPT TO REPAIR FAULTY FUSES.

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.



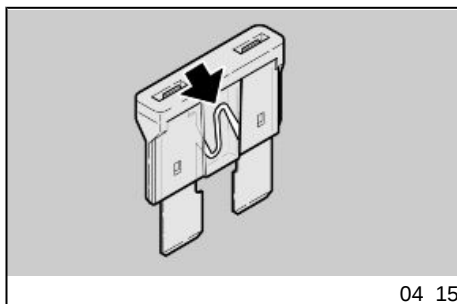
04_14

To check:

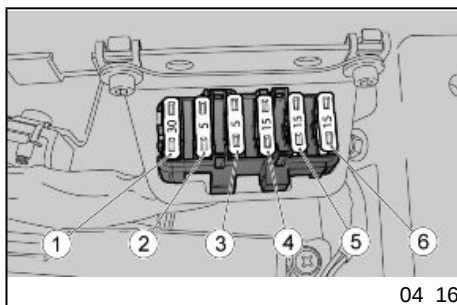
- Set the ignition switch to 'OFF' to avoid an accidental short circuit.
- Remove the saddle.
- Remove the fuse box cover.
- Take out one fuse at a time and check if the filament is broken.
- Before replacing the fuse, find and solve, if possible, the reason that caused the problem.
- If the fuse is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

NOTE

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



04_15



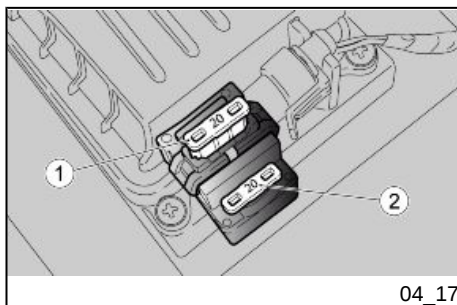
04_16

FUSE PLACEMENT

1. Main fuse, coil 1 and 2, injectors 1 and 2, lambda probe 1 and 2 (30 A).
2. (Battery positive) ECU MIU G3 (5 A).
3. (Battery positive) Instrument panel, turn signals, bluedash (5 A).
4. Control unit, engine kill, start relay, instrument panel, charge injection relay (15 A).
5. GPS set-up, low beam/high beam lights, passing, USB, bluedash (15 A).
6. Brake light, parking lights, horn (15 A).

ARRANGEMENT OF ABS FUSES

1. Control unit ABS (20 A).
2. Spare fuses (20 A).



04_17

Lights (04_18, 04_19, 04_20)



DO NOT USE THE VEHICLE IF THE LIGHTS ARE NOT PERFECTLY FUNCTIONAL. DO NOT USE THE VEHICLE IF THE HEADLAMP HAS NOT BEEN CORRECTLY ADJUSTED AND IF IT IS NOT PERFECTLY FUNCTIONAL. THIS MAY TEMPORARILY DAZZLE AND BLIND THE VEHICLES COMING FROM THE OPPOSITE DIRECTION AND IT CAN ALSO DECREASE THE DRIVER'S ABILITY TO SEE THE OBSTACLES ALONG THE ROAD DURING NIGHT-TIME DRIVING.

IT IS ALWAYS RECOMMENDED TO DECREASE THE SPEED WHEN DRIVING AT NIGHT AND IN THE DARK SO AS TO HAVE THE NECESSARY TIME TO AVOID ANY OBSTACLES AND ADAPT TO THE LOW VISIBILITY THAT CANNOT BE AVOIDED DURING NIGHT-TIME. FAILURE TO OBSERVE THIS WARNING MAY CAUSE COLLISION WITH OBJECTS AND OBSTACLES, INVOLVING THE RISK OF SERIOUS ACCIDENTS OR EVEN DEATH.

IMPORTANT

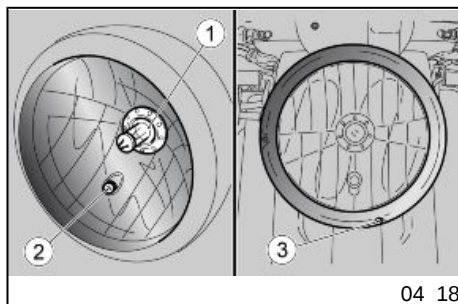


BEFORE REPLACING A BULB, TURN THE IGNITION SWITCH TO «KEY OFF» AND WAIT A FEW MINUTES FOR THE BULB TO COOL OFF.

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.



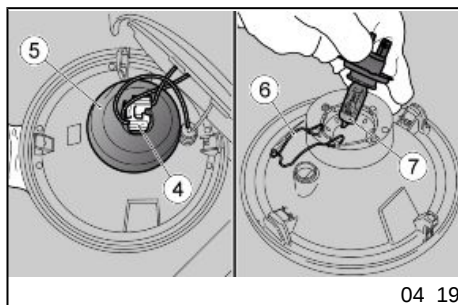
BULB LAYOUT

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).

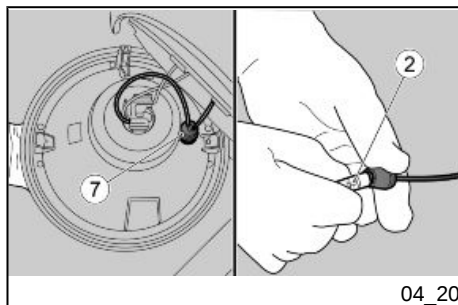


Low/high beam light bulb

- 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

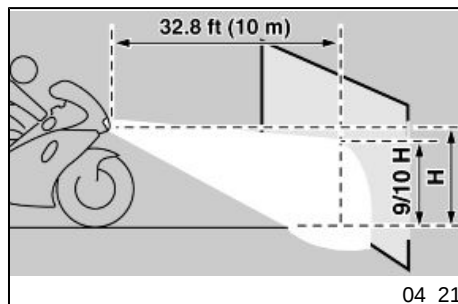
- Pull out the tail light bulb holder (7) from its seat.
- Remove the bulb (2) and replace it with another of the same type.
- Check the proper insertion of the bulb in the bulb holder.

Front light group

Headlight adjustment (04_21, 04_22, 04_23)

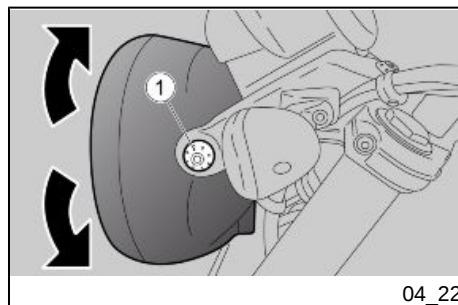
NOTE

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



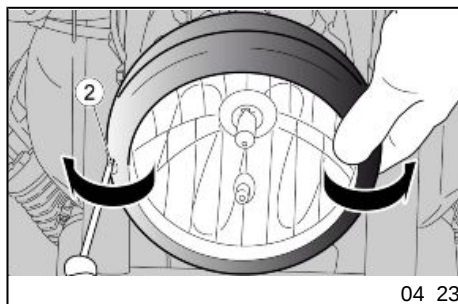
To carry out vertical adjustment of the light beam:

- 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 LIGHT BEAM VERTICAL DIRECTION IS CORRECT.



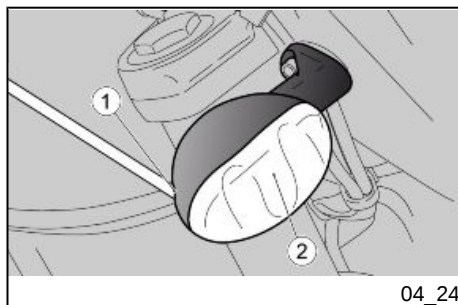
In order to carry out horizontal adjustment of the light beam:

- 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.

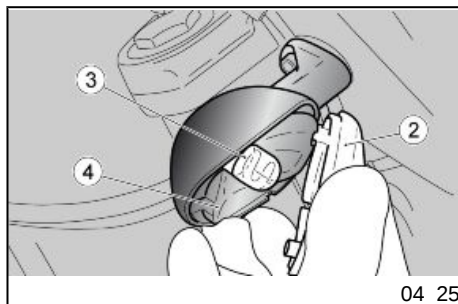


Front direction indicators (04_24, 04_25)

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

NOTE

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



- Remove the protective glass (2).

IMPORTANT

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

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

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

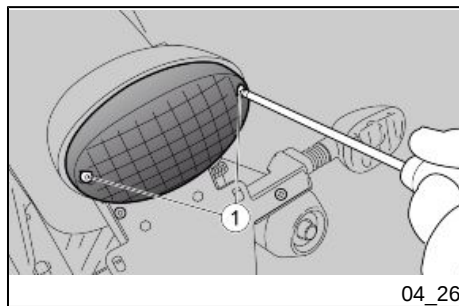
NOTE

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

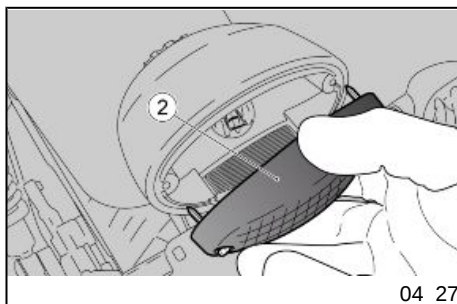
- Install a bulb of the same type adequately.

NOTE

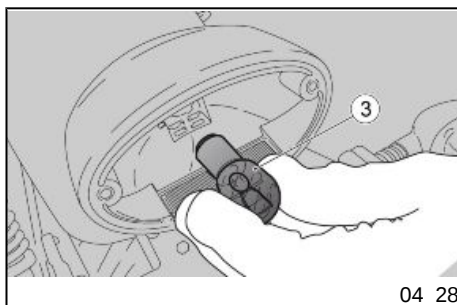
IF THE BULB HOLDER «4» IS STICKS OUT ITS FITTING, INSERT IT AGAIN CORRECTLY BY MATCHING THE BULB HOLDER RADIAL OPENING WITH THE SCREW SEAT.

**Rear lights (04_26, 04_27, 04_28)**

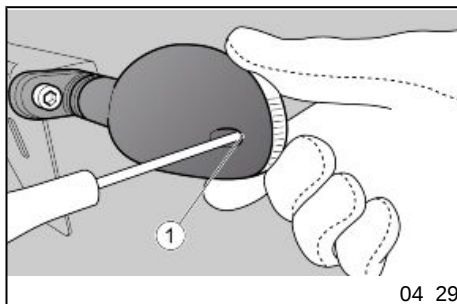
- Rest the vehicle on its stand.
- Unscrew and remove the two screws (1).



- Remove the protective screen (2), proceeding with caution.



- Press carefully on the bulb (3) and turn it counterclockwise.
- Remove the bulb (3) from its housing.
- Insert a bulb of the same type in the bulb holder so that the two guiding pins in the bulb holder are in place in their guides on the bulb holder.
- Tighten the two screws (1) with caution and moderation, in order to avoid damaging the protective screen (2).

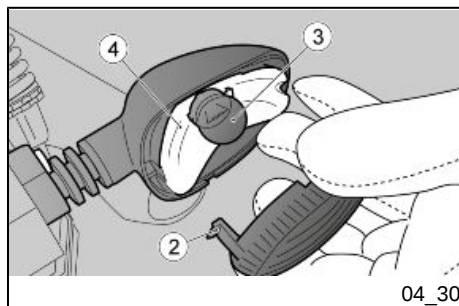


Rear turn signals (04_29, 04_30)

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

NOTE

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



- Remove the protective glass (2).

IMPORTANT

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

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

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

NOTE

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

- Install a bulb of the same type adequately.

NOTE

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

Rear-view mirrors (04_31, 04_32)



DO NOT RIDE WITH REAR-VIEW MIRRORS INCORRECTLY SET.

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

To remove the rearview mirrors:

- Place the vehicle on the stand.
- Loosen the locknut.
- Slide up and remove the complete rearview mirror unit.

If necessary, repeat this operation for the removal of other rearview mirror units.



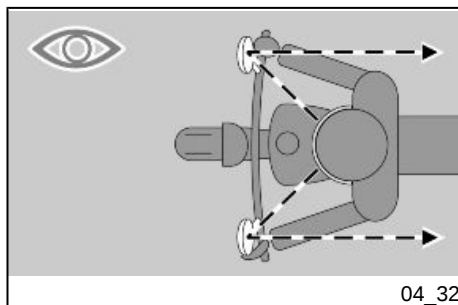
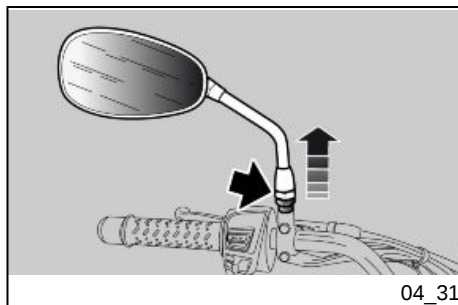
UPON REFITTING AND BEFORE TIGHTENING THE LOCKING NUT, MAKE SURE THAT THE REAR VIEW MIRROR SUPPORT STEM IS ALIGNED WITH THE HANDLEBAR.

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_33, 04_34)

Do not ride your vehicle if the brakes are worn or malfunctioning! The brakes are one of the most important parts of your vehicle's safety system, and using a vehicle with brakes that are not functioning perfectly means a high risk of collisions and possibly mortal accidents.



IN HUMID OR WET CONDITIONS, YOUR BRAKE SYSTEM PERFORMANCE IS HIGHLY REDUCED. WHEN THE ROAD SURFACE IS WET FROM RAIN, YOU SHOULD MAINTAIN DOUBLE THE NORMAL SAFETY DISTANCE, ALSO BECAUSE TIRE TRACTION IS GREATLY REDUCED. PAY CAREFUL ATTENTION TO WATER THAT COULD ENTER IN CONTACT WITH THE BRAKES AFTER WASHING YOUR VEHICLE OR AFTER ENCOUNTERING PUDDLES WHILE RIDING. THIS WATER COULD WET YOUR BRAKE SYSTEM AND HENCE CONSIDERABLY REDUCE ITS PERFORMANCE. NOT RESPECTING THESE RECOMMENDATIONS COULD LEAD TO SERIOUS ACCIDENTS AND EVEN DEATH.



THE BRAKES ARE EXTREMELY IMPORTANT FOR YOUR SAFETY. NEVER USE YOUR VEHICLE IF THE BRAKES ARE NOT WORKING PERFECTLY. ALWAYS CHECK THAT THE BRAKES ARE WORKING BEFORE BEGINNING TO RIDE.



IF THE POSITION OF THE BRAKE LEVER CHANGES, IT MAY BE DUE TO A PROBLEM WITH THE HYDRAULIC SYSTEM. IF YOU HAVE ANY DOUBT THAT YOUR BRAKES MAY NOT BE PERFORMING PERFECTLY, AND FOR NORMAL PERIODIC CHECKS, CONTACT AN Official Moto Guzzi Dealership BEFORE RIDING YOUR VEHICLE.

PAY PARTICULAR ATTENTION TO THE DISCS AND THEIR GRIPPING CAPACITY, MAKING SURE THAT THEY ARE NOT DIRTY OR OILY, ESPECIALLY AFTER MAINTENANCE OR INSPECTIONS. CHECK THAT THE BRAKE TUBES ARE NOT GLAZED OR TWISTED, AND ARE NOT LEAKING FLUID.

KEEP BRAKE FLUID OUT OF REACH OF CHILDREN. DISPOSE OF BRAKE FLUID PROPERLY.

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.

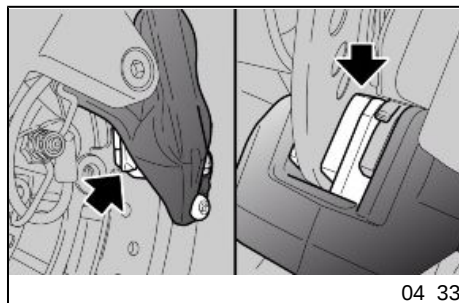
IMPORTANT

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

IMPORTANT



CHECK BRAKE PADS FOR WEAR MAINLY BEFORE EACH RIDE.



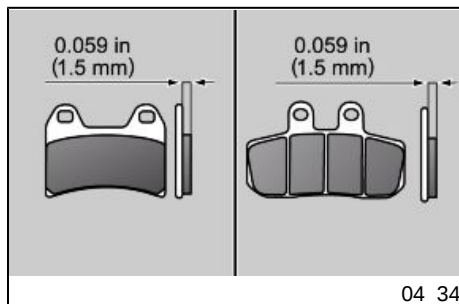
04_33

This is a quick inspection procedure to determine brake pad wear:

- Place the vehicle on the stand.
- Visually check the disc and brake pads, looking: from bottom to top at the front, for the front brake caliper; from top to bottom at the back, for the rear brake caliper.

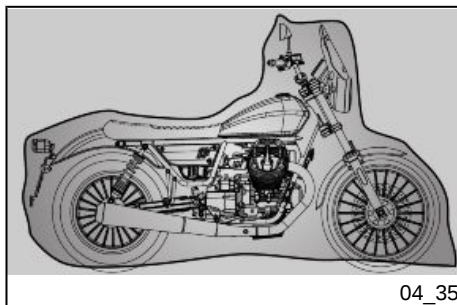
IMPORTANT

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_34

If the thickness of the abrasive material (even if only of the front or rear brake disc is reduced to an approximate value of **0.059 in (1.5 mm)** (or even if only one of the wear indicators is no longer visible) have all brake discs replaced by an **Official Moto Guzzi Dealership**.



04_35

Periods of inactivity (04_35)

Take some measures to avoid the side effects of not using the motorcycle. 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 vehicle.
- Wax painted and chromium surfaces.
- Inflate the tires.
- Store the vehicle in a cool, dry place, away from sunlight and with steady temperature.
- Wrap and tie a plastic bag around the exhaust pipe opening to keep moisture out.

IMPORTANT

IT IS RECOMMENDED THAT YOU PLACE THE VEHICLE ON STABLE SUPPORTS THAT KEEP BOTH TIRES OFF THE GROUND.

Cover the vehicle, avoiding the use of plastic or waterproof materials.

IMPORTANT

TO AVOID BATTERY DETERIORATION, FOLLOW THE RECOMMENDED STEPS FOR PROLONGED ACTIVITY.

AFTER STORAGE

NOTE

TAKE THE PLASTIC BAGS OFF THE EXHAUST PIPE OPENING.

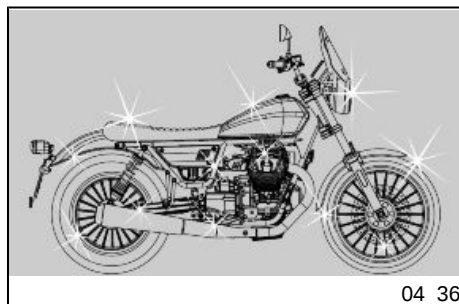
- Uncover and clean the vehicle.
- Check that the battery charge is OK and fit it.

- Refill the fuel tank.
- Carry out the preliminary checks.

IMPORTANT



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



04_36

Cleaning the vehicle (04_36, 04_37, 04_38)

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.

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



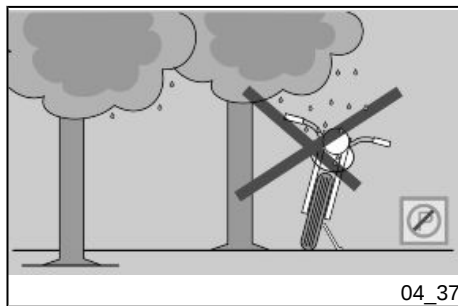
TREAT THE PARTS MADE OF CHROME, ALUMINIUM OR POLISHED STEEL IN A SPECIAL MANNER. WASH THEM WITH PLENTY OF WATER AND CAR SHAMPOO, POLISH AND REGULARLY BRIGHTEN THEM WITH DEDICATED PASTE, PROTECT THEM WITH SUITABLE ACID-FREE PRODUCTS (E.G. VASELINE)

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



04_37

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.

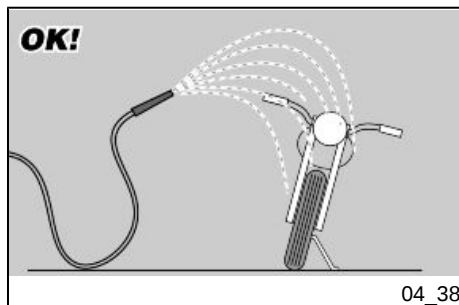
IMPORTANT



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 deposited dirt and mud from painted surfaces, soften caked dirt with a low-pressure water jet. Sponge off using a car body sponge soaked in a car body soap and water solution (2 - 4% parts of soap). Then rinse with plenty of water, and dry with a chamois leather cloth. Clean the outer parts of the engine with a degreaser, brushes and a cloth. Anodized or painted aluminum parts should be washed using water and mild soap. 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 A TEMPERATURE HIGHER THAN 40°C (104°F) TO CLEAN THE PLASTIC COMPONENTS OF THE VEHICLE. DO NOT AIM HIGH PRESSURE AIR/WATER JETS OR STEAM JETS. DO NOT CLEAN ANY RUBBER OR PLASTIC SEAT COMPONENTS WITH ALCOHOL OR SOLVENTS: USE WATER AND MILD SOAP ONLY.

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.

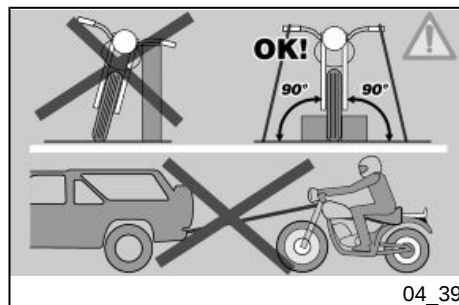
THE USE OF WAX OR SIMILAR PRODUCTS COMPROMISES THE SAFETY OF THE SADDLE ITSELF.



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_39

Transport (04_39)**NOTE**

EMPTY THE FUEL TANK COMPLETELY AND MAKE SURE IT IS DRY BEFORE MOVING THE VEHICLE.

DURING THE TRANSFER, THE VEHICLE MUST REMAIN SOLIDLY ANCHORED IN A VERTICAL POSITION AND THE FIRST GEAR MUST BE ENGAGED; IN ORDER TO AVOID GASOLINE, OIL, AND COOLANT LEAKS.

IN CASE OF BREAKDOWN, DO NOT TOW THE VEHICLE, BUT RATHER CONTACT A ROAD ASSISTANCE SERVICE TO EMPTY FLAMMABLE LIQUIDS.

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Chap. 05
Technical data

WEIGHT AND DIMENSIONS

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. (Roamer)	45.87 in (1165 mm)
Max. height. (Bobber)	45.67 in (1160 mm)
Max. height (at the instrument panel) (Bobber Sport)	45.08 in (1145 mm)
Wheelbase	57.68 in (1465 mm)
Saddle height (Roamer)	30.91 in (785 mm)
Saddle height (Bobber)	30.71 in (780 mm)
Kerb weight	462.97 lb (210 Kg)

ENGINE

Type	traverse-mounted 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	1,250 +/- 100 (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 (reserve included)	3.96 +/- 0.13 US gal (3.30 +/- 0.11 UK gal; 15 +/- 0.5 l)
Fuel tank reserve	1.06+/-0.13 US gal (0.88+/-0.11 UK gal; 4+/-0.5 l)
Engine oil	Oil and oil filter replacement 122.05 cu in (2000 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
Maximum carrying load	925.94 lb (420 kg) (driver + passenger + luggage)

TRANSMISSION

Primary drive:	with gears, ratio: 21 / 25 = 1 : 1.190
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 cardan shaft, ratio: $8 / 33 = 1 : 4.125$

POWER SUPPLY

Type	Electronic injection (Marelli MIU G3)
Diffuser	Ø 38 mm (1.50 in)
Fuel	Unleaded gasoline E10 (95 R.O.N.)

FRAME

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)
Stroke	5.12 in (130 mm)
Rear (option 1 - option 2)	Swingarm in die-cast light alloy, 2 shock absorbers with adjustable spring pre-loading
Stroke (Roamer)	3.43 in (87 mm)
Stroke (Bobber)	3.15 in (80 mm)
Rear (option 3)	Swingarm in die-cast light alloy, 2 shock absorbers with adjustable extension, compression and spring pre-loading
Stroke (Bobber Sport)	2.95 in (75 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)

WHEELS

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 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 CPR8EB-9
Spark plug electrode gap	1.98 in (0.9 mm)
Resistance	5 kOhm

ELECTRICAL SYSTEM

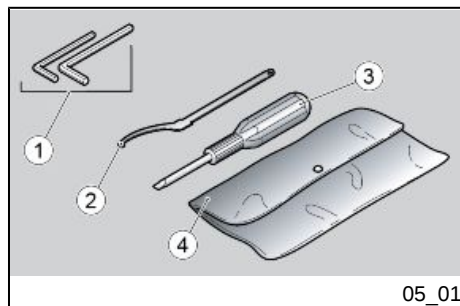
Battery	12 V - 12 Ah
Fuses	30 - 5 (2) - 15 (3) - 20 (2) A
Permanent magnet alternator	12V - 270W

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 light	LED
General alarm	LED
MI warning light	LED
ABS warning light	LED
MGCT warning light	LED



Toolkit (05_01)

The tools set includes:

- 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).

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Chap. 06
Scheduled
maintenance



Scheduled servicing table (06_01)

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

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

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. See the "Warranty Booklet" for all other information concerning the applicability of the Warranty and on performing "Scheduled Maintenance" correctly.

NOTE

HALVE THE SERVICE INTERVALS INDICATED IF THE VEHICLE IS USED IN PARTICULARLY RAINY OR DUSTY CONDITIONS, ON POOR ROADS OR FOR HIGH PERFORMANCE RIDING.

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

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

(1): Replace in case of leakage

(2): Replace every 4 years

(3): At each engine start

(4): Check every month

(5): Check every 3,106 km (5,000 mi)

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

(7): Replace at whichever of the following occurs first: 24,855 mi (40,000 km) or 4 years

(8): At each service (except the first one), check if there is oil inside the filter box. In this case, clean it

SCHEDULED MAINTENANCE TABLE

Km x 1000 (mi x 1000)	1,5 (0.9)	10 (6.2)	20 (12.4)	30 (18.6)	40 (24.9)	50 (31.1)	60 (37.3)	EVERY 12 MONTHS	EVERY 24 MONTHS
Spark plugs		R	R	R	R	R	R		
Filter box (8)		C	C	C	C	C	C		
Transmission cables and controls	I	I	I	I	I	I	I	I	I
Steering bearings and steering play	I	I	I	I	I	I	I	I	I
Wheel bearings - Wheels	I	I	I	I	I	I	I	I	I
Diagnosis by tool	I	I	I	I	I	I	I	I	I
Brake discs - Pads wear (6)	I	I	I	I	I	I	I	I	I
Air filter		R	R	R	R	R	R		
Oil filter change	C						C		
Engine oil filter	R	R	R	R	R	R	R	R	R
Vehicle general operation	I	I	I	I	I	I	I	I	I
Valve clearance	A	A	A	A	A	A	A		
Rear wheel cush drive rubber cushions						R			
Brake systems	I	I	I	I	I	I	I	I	I
Light circuit	I	I	I	I	I	I	I	I	I

Km x 1000 (mi x 1000)	1,5 (0.9)	10 (6.2)	20 (12.4)	30 (18.6)	40 (24.9)	50 (31.1)	60 (37.3)	EVERY 12 MONTHS	EVERY 24 MONTHS
Safety switches	I	I	I	I	I	I	I	I	I
Brake Fluid	I	I	I	I	I	I	I	I	R
Gearbox oil	R						R		
Fork oil (7)					R				
Engine oil (5)	R	R	R	R	R	R	R	R	R
Final drive oil				R			R	R	R
Headlight aiming		I	I	I	I	I	I		
Fork oil seals (1)	I	I	I	I		I	I		
Tyres - pressure / wear (4)	I	I	I	I	I	I	I	I	I
Clutch clearance adjustment	I	I	I	I	I	I	I		
Nut/bolt tightness	I	I	I	I	I	I	I		
Battery terminals tightening	I							I	I
Suspensions and stability	I		I		I		I	I	I
Engine oil pressure warning light (3)									
Filter box drain plug	C	C	C	C	C	C	C	C	C
Brake lines		I	I	I	I	I	I		
Fuel lines (2)		I	I	I	I	I	I	I	I
Clutch wear		I	I	I	I	I	I		



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
Transmission oil 85W-140	Lubricant for transmissions.	API GL-4; GL-5
75W-90 lubricant for gearboxes and transmissions	Synthetic lubricant for gearboxes and transmissions.	SAE 75W-90; API GL4, GL5, MT1; MAN 3343 Typ S; MAN 341 E3; MIL-PRF-2105 E.
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

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Chap. 07
Special fittings

Index accessoires

For this vehicle there are accessories and clothing. For more information contact your dealer or visit our website:

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

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.

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