

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.

V7 II Stornello



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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V7 II Stornello



Chap. 01
General rules

General Safety Rules

Before you start the engine, read this use and maintenance booklet carefully, especially the sections on "GENERAL PRECAUTIONS AND WARNINGS" and "GENERAL SAFETY RULES".

Your safety and that of other people depends not only on your riding skills, but also on your knowledge of the vehicle and how to ride safely. Therefore, it is very important not to use the vehicle on public roads or highways until you have attended a course organized by a qualified safety organization such as Motorcycle Safety Foundation, are adequately prepared and have a motorcycle rider's license.

Foreword

NOTE

THIS USE AND MAINTENANCE BOOKLET IS AN IMPORTANT DOCUMENT AND SHOULD BE KEPT WITH YOUR VEHICLE AT ALL TIMES. IN THE EVENT OF RESALE, PLEASE PROVIDE 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!

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Motorcycle upkeep

Moto Guzzi recommends using quality products to clean the vehicle. The use of unsuitable products may damage the vehicle components. For cleaning do not use solvents such as "nitro thinner", "cold detergents", gasoline or similar, or cleaning products which contain alcohol.

WASHING THE MOTORCYCLE

Moto Guzzi recommends soaking with abundant water and then carefully removing insects and stubborn dirt before washing the vehicle.

To prevent stains, do not wash the motorcycle immediately after it has been exposed to direct sunlight and do not wash it in the sun.

If the vehicle is used during the winter months, be sure to wash the motorcycle frequently. To remove salt which has been spread on the roads during the winter, wash the motorcycle with cold water immediately after use.

IMPORTANT

AFTER WASHING YOUR MOTORCYCLE, BRAKING SYSTEM EFFICIENCY MAY BE TEMPORARILY AFFECTED DUE TO THE PRESENCE OF WATER ON THE FRICTION SURFACES OF THE BRAKING CIRCUIT. LEAVE EXTRA SPACE FOR BRAKING AND BRAKE REPEATEDLY TO RESTORE NORMAL CONDITIONS. PERFORM PRELIMINARY CHECKS BEFORE USE.



THE USE OF HOT WATER INTENSIFIES THE EFFECT OF THE SALT. USE ONLY ABUNDANT COLD WATER TO WASH AND REMOVE ROAD SALT



THE USE OF HIGH PRESSURE WASH SYSTEMS (OR STEAM CLEANERS) CAN DAMAGE THE SEAL GASKETS, THE OIL SEAL, THE BRAKING SYSTEM, THE ELECTRICAL SYSTEM AND THE SADDLE. NEVER USE STEAM OR HIGH PRESSURE WASHING SYSTEMS.

CLEANING THE SENSITIVE PARTS

BODY

To keep the motorcycle bright and shiny, wash it regularly, especially if it is used in high pollution or muddy areas. Aggressive tree sap, gasoline, oil, brake fluid or bird excrement in general.

These should be removed immediately, otherwise there is a risk that they will permanently mark the paint. After washing it is easy to find halos and residual stains. Eliminate these from the body using soft cloths, brand name polish, non-abrasives and protect everything with a coat of protective car wax. Periodic care, careful washing and regular protection of the body with wax preserves the aesthetic quality of the motorcycle for a long time.

PLASTIC COMPONENTS



CLEANING PLASTIC COMPONENTS WITH AGGRESSIVE AGENTS MAY DAMAGE THE SURFACE. NEVER USE CLEANING PRODUCTS WHICH CONTAIN ALCOHOL, SOLVENTS OR ABRASIVES TO CLEAN THE PLASTIC PARTS. ROTATING BRUSHES OR SPONGES WITH HARD SURFACES MAY CAUSE SCRATCHING

CHROME AND POLISHED METAL PARTS



TAKE SPECIAL CARE OF THE CHROME PARTS AND THE PARTS IN POLISHED ALUMINUM OR STEEL. WASH THEM WITH ABUNDANT WATER AND CAR WASH SHAMPOO, SHINE THEM AND PERIODICALLY POLISH WITH SPECIAL POLISHING CREAM, PROTECT THEM WITH WAX OR APPROPRIATE ACID-FREE PRODUCTS (EX. VASELINE)

RUBBER PARTS

Clean the rubber parts with water and neutral shampoo (brand name, suitable for car bodywork)



USING SILICON SPRAYS TO CLEAN RUBBER SEALS MAY CAUSE DAMAGE. NEVER USE OTHER PRODUCTS WHICH CONTAIN SILICON TO WASH OR CLEAN THE MOTORCYCLE

Carbon Monoxide

If it is necessary to start the engine in order to perform maintenance services, make sure the area in which it will be worked on is well-ventilated. **Never let the engine run in enclosed areas.**

When it is necessary to work in an enclosed area, be sure to use a system that vents the exhaust outside.

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

Keep gasoline out of the reach of children. Gasoline is toxic. Do not use your mouth to siphon gasoline. Avoid having gasoline in contact with your skin. If you should accidentally come into contact with gasoline, change your clothes immediately, and thoroughly wash the area that was in contact with the gasoline with warm water and soap. If you should accidentally swallow gasoline, do not induce vomiting. Drink large quantities of clear water or milk and immediately seek professional medical assistance.

If gasoline should come in contact with your eyes, rinse them with a large amount of clean, fresh water and consult a doctor immediately.

IMPORTANT

FUEL USED FOR OPERATION OF INTERNAL COMBUSTION ENGINES IS HIGHLY FLAMMABLE AND UNDER CERTAIN CONDITIONS CAN CAUSE EXPLOSIONS. FOR THIS REASON, REFUELING AND MAINTENANCE SHOULD BE PERFORMED IN A WELL-VENTILATED AREA WITH THE ENGINE TURNED OFF.

DO NOT SMOKE WHILE REFUELING, WHILE WORKING, OR IN THE PRESENCE OF FUEL VAPORS. AVOID ALL CONTACT WITH OPEN FLAMES, SPARKS, OR OTHER SOURCES THAT CAN CAUSE FIRES OR FUEL VAPOR EXPLOSIONS.

GASOLINE IS A DANGEROUS SUBSTANCE AND SHOULD NOT BE RELEASED INTO THE ENVIRONMENT. ALWAYS USE APPROPRIATE DISPOSAL METHODS.

KEEP OUT OF REACH OF CHILDREN.

Hot Components

IMPORTANT



THE ENGINE AND ALL EXHAUST SYSTEM COMPONENTS, AS WELL AS THOSE OF THE BRAKING SYSTEM BECOME EXTREMELY HOT AND REMAIN HOT EVEN AFTER THE VEHICLE AND THE ENGINE ARE TURNED OFF. AFTER RIDING YOUR VEHICLE, BEFORE TOUCHING ANY COMPONENT OF THE VEHICLE, MAKE SURE THAT IT HAS COOLED ENOUGH TO BE HANDLED SAFELY.

Start Off and Riding



THE ENGINE IS AIR COOLED, THEREFORE SOME MEASURES SHOULD BE OBSERVED:

- **AFTER COLD START, LET THE ENGINE WARM UP FOR A FEW MINUTES BEFORE SETTING OUT;**
- **DO NOT PROLONG THIS PHASE MORE THAN TEN MINUTES IN ORDER TO PREVENT THE ENGINE FROM OVERHEATING.**

The braking

IMPORTANT

STOP THE VEHICLE MAINLY USING THE FRONT BRAKE. USE THE REAR BRAKE TO BALANCE THE BRAKING AND ALWAYS USE IT TOGETHER WITH THE FRONT BRAKE.

Warning Lights



IF THE ALARM WARNING LIGHT ILLUMINATES DURING NORMAL ENGINE FUNCTIONING, IT MEANS THAT THE ELECTRONIC CONTROL UNIT HAS FOUND AN ABNORMALITY.

IN MANY CASES THE ENGINE MAY CONTINUE TO PERFORM, BUT WITH REDUCED PERFORMANCE; IMMEDIATELY CONTACT AN Authorized Moto Guzzi Dealer.



IF THE ENGINE OIL PRESSURE WARNING LIGHT REMAINS ON OR ILLUMINATES 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 PER-

FORMED CORRECTLY, CONTACT AN AUTHORIZED Moto Guzzi Dealer TO HAVE THE SYSTEM CHECKED.

Used Engine Oil and Gearbox Oil

IMPORTANT



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

ENGINE OIL OR TRANSMISSION FLUID MAY CAUSE SERIOUS DAMAGE 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 DISPERSE THE OIL IN THE ENVIRONMENT

KEEP OUT OF 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 DAN-

GEROUS 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 THE FLUID COMES INTO CONTACT WITH THE EYES, WASH WITH RUNNING WATER FOR FIFTEEN MINUTES AND CONSULT AN EYE SPECIALIST IMMEDIATELY. 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.

Stand



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.

General Precautions and Warnings

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.

Reporting of defects that affect safety

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.

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 MUST BE REPAIRED OR REPLACED IF THE NOISE PRODUCED BY THE VEHICLE SHOULD INCREASE SIGNIFICANTLY DURING USE. IF THESE ACTIONS ARE NOT TAKEN, THE OWNER OF THE VEHICLE COULD FACE FINES ACCORDING TO LOCAL, STATE AND FEDERAL LAWS.

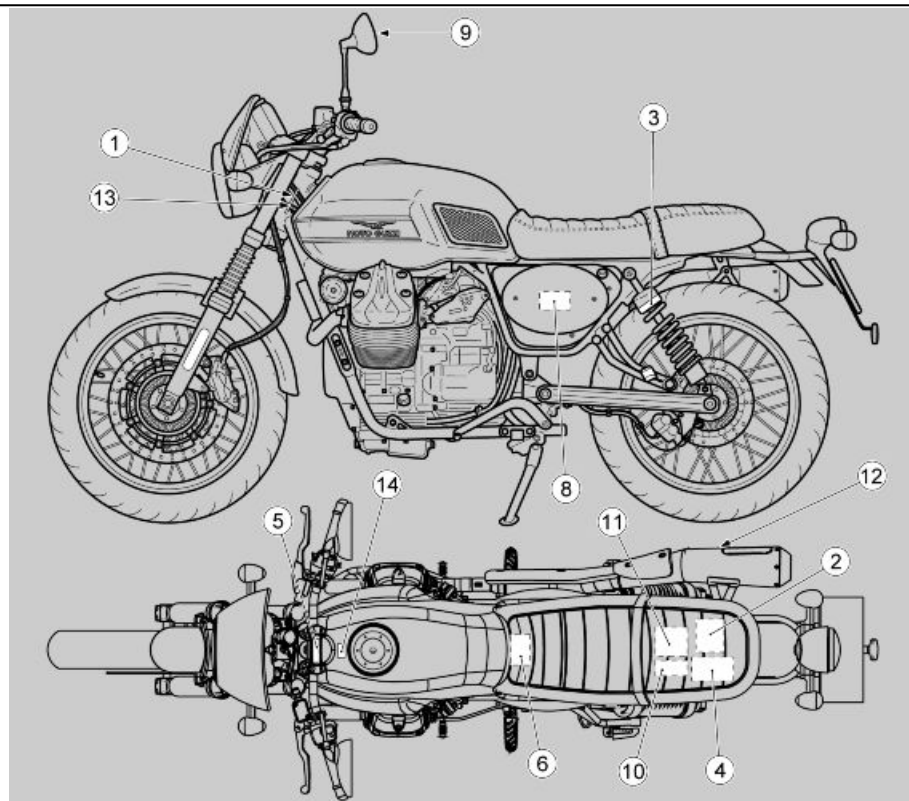
Problems that May Affect the Motorcycle Emissions

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.
- Variable idling speed.
- Ignition problems or ignition advance while accelerating.
- Combustion delay (spark advance).

- Poor engine performance, reduced handling, or excessive fuel consumption.



01_01

Position of the Warning Labels (01_01)

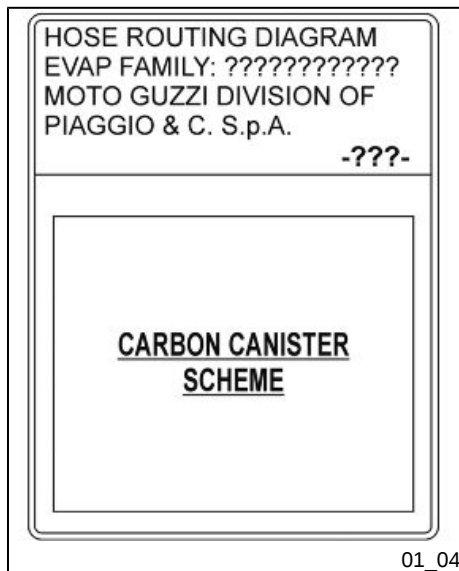
Label 1 (01_02, 01_03)

☐ 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 ??? x ?? MT DOT RM AT ??? KPA (?? PSI) COLD GAWR R. ??? KG (??? LB) WITH ???/?? - ??? ??? TIRES AND ??? x ?? MT DOT RM or ???/?? - ??? ??? TIRE AND ??? x ?? MT DOT RM AT ??? KPA (?? PSI)	☐
USA		

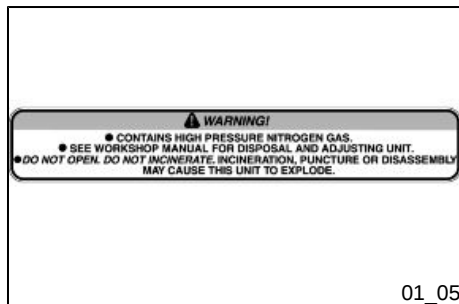
01_02

☐ MFD BY / FABRIQUE PAR: ☐ GVWR / PNEV. ??? KG FRONT / AVANT GAWR / PNEU. ??? KG REAR / ARRIERE GAWR / PNEU. ??? 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 QU'IL 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 ☐ .???-	☐ MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A.	☐
CND		

01_03



Label 2 (01_04)



Label 3 (01_05)

Label 4 (01_06)

⚠ 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		
	Front tire	Rear tire				
	??? (??)	??? (??)		?????? ?????? ??????	{ ???'?? ??' ??	
	??? (??)	??? (42)			Rear tire	
	??? (??)	??? (??)		?????? ?????? ??????	{ ???'?? ??' ??	

01_06

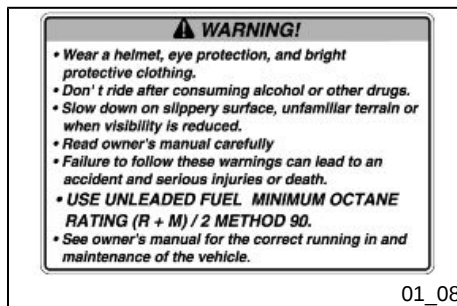
Label 5 (01_07)

⚠ WARNING!

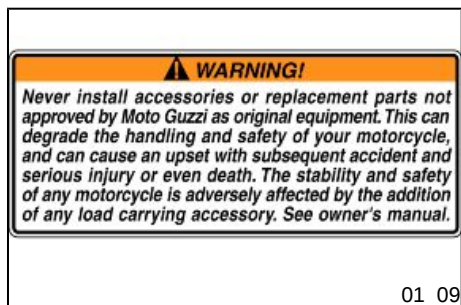
DO NOT ALLOW KEY CHAIN AND ANY OTHER ITEM TO FALL BETWEEN THE STEERING HEAD AND THE BODY OF MOTORCYCLE.

THIS CAN CAUSE LOSS OF CONTROL.

01_07

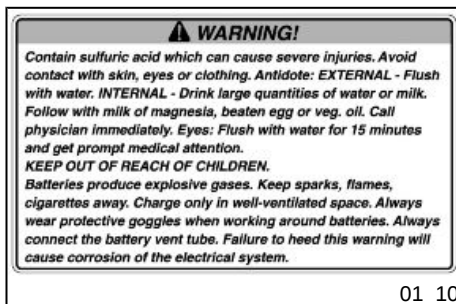


Label 6 (01_08)

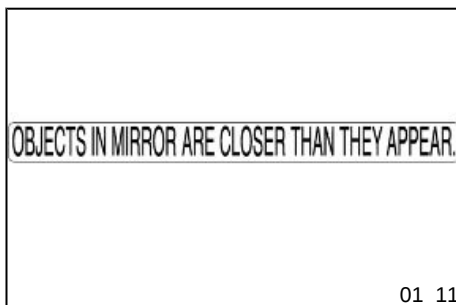


Label 7 (01_09)

Label 8 (01_10)



Label 9 (01_11)



Label 10 (01_12)

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
--

01_12

Label 11 (01_13)

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+NO_x 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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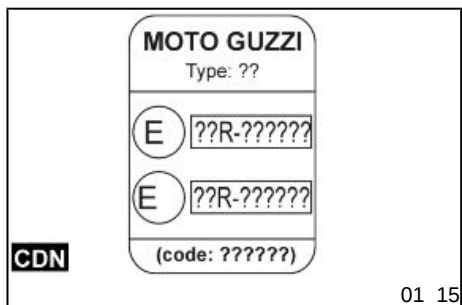
01_13

Label 12 (01_14)

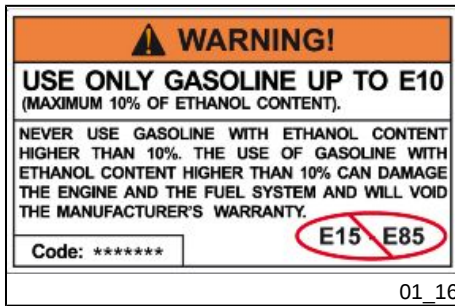
Muffler stamping

01_14

Label 13 (01_15)

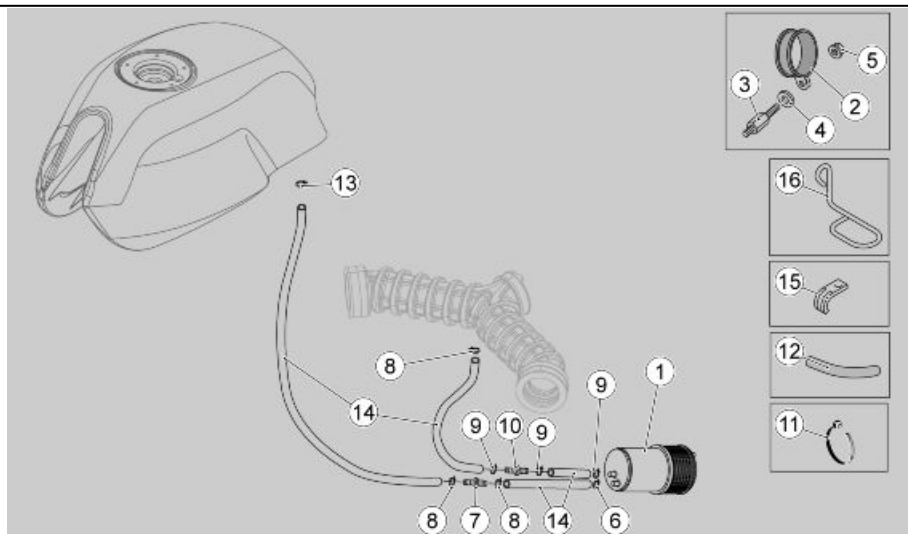


01_15



Label 14 (01_16)

California evaporative emission system (01_17)



01_17

Key:

1. Carbon filter
2. Clamp
3. Canister mounting
4. Washer
5. Self-locking nut
6. Clamp
7. Pressure valve
8. Clamp
9. Green click clamp
10. Throttling tang
11. Black clamp
12. Thermal sheath
13. Clamp

14. SAE tube 30
15. U-bolt
16. Cable guide

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. CUSTOMERS LIVING IN CERTAIN STATES MAY HAVE ADDITIONAL WARRANTY RIGHTS.

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.

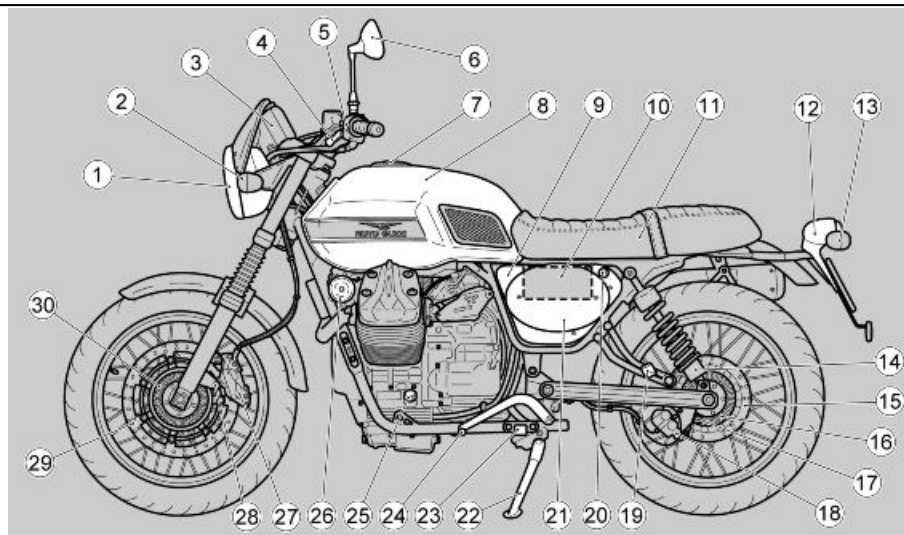
Telephone number: (212) 380 4400

V7 II Stornello

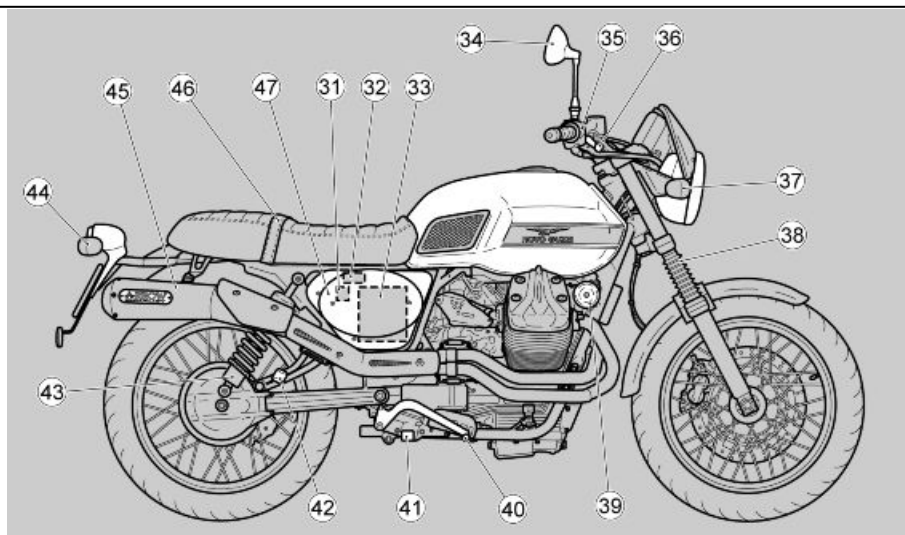


Chap. 02
Vehicle

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



02_01

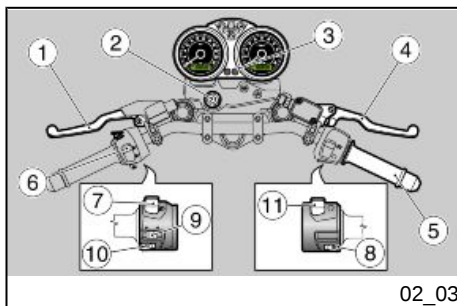


02_02

Key V7 II Stornello:

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

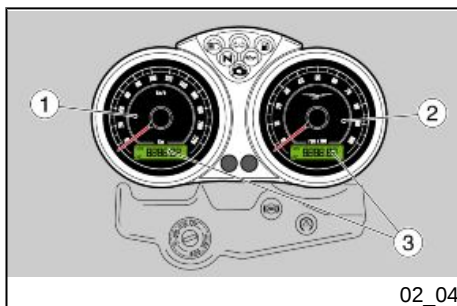
14. Left rear shock absorber
15. Rear brake disc
16. Rear tone wheel
17. Rear speed sensor
18. Rear brake caliper
19. Left passenger footrest
20. Saddle compartment keyhole
21. Left numberplate
22. Side stand
23. Left rider's footrest
24. Gear shift lever
25. Motor oil dipstick
26. Left horn
27. Front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



Dashboard (02_03)

Key:

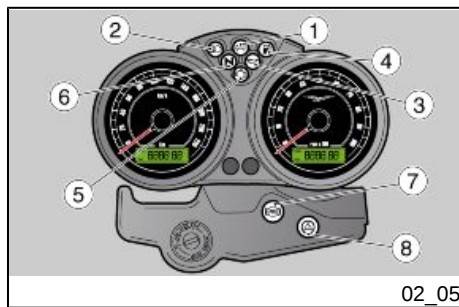
1. Clutch control lever
2. Ignition / steering lock switch
3. Instruments and gages
4. Front brake lever
5. Throttle grip
6. High beam flasher switch
7. Light switch
8. Starter button
9. Turn indicator switch
10. Horn button
11. Engine stop switch



Instrument panel (02_04)

Key:

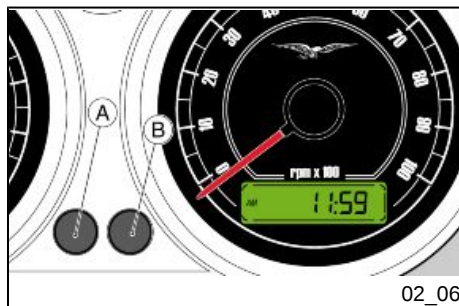
1. Speedometer
2. RPM Indicator
3. Multifunctional digital display



Light Unit (02_05)

Key:

1. Turn signal light (green)
2. High beams warning light (blue)
3. Engine oil pressure warning light (red)
4. Fuel reserve warning light, (amber)
5. MI warning light (amber)
6. Neutral warning light (green)
7. ABS warning light (amber)
8. MGCT warning light (amber)



Clock (02_06)

Clock adjustment

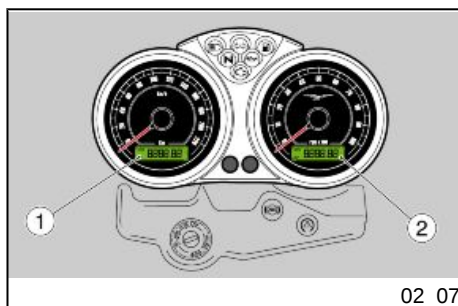
- Press button (B) for two seconds
- When entering this function, the AM symbol will flash.
- By pressing button (A) the system passes from AM to PM, and the symbols will flash.
- If button (B) is pressed, the system passes to the HOUR setting, and the associated numbers will flash. Every time button (A) is pressed, the value will go up by 1 (from 0 to 11 and then returning to 0).
- If button (B) is pressed, the system passes to the MINUTES setting, and the associated numbers will flash.
- Every time button (A) is pressed, the value will go up by 1 (from 0 to 59 and then it returning to zero).
- If button (A) is pressed for more than five seconds: the value will go up by 1 every 100 millisecond.
- Pressing button (B) once again, the system will exit from this setting and return to normal functions.
- The clock can be adjusted only when the vehicle is not moving (speed = 0).

Clock viewing

- Clock viewing can be distinguished from regulation because the central colon flashes.

Viewing sequence:

- AM from 0.00 to 11.59
- PM from 12.00 to 11.59



Digital LCD Display (02_07)

- 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 (lamp check)
 - the arrows will reset to the 0 position, travel to their maximum point, then return again to zero:
 - for one second all segments on both displays will activate:
 - all the warning lights will turn off (with the exception of those that are currently active) and the display will return to its normal view.

With the standard settings, the following information is displayed:

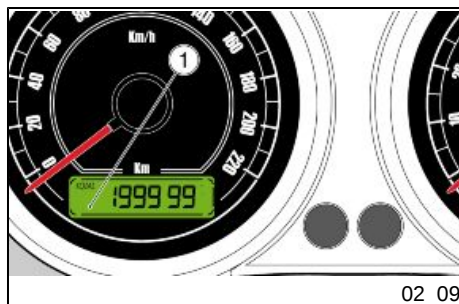
- Total odometer (left LCD display) (1);
- air temperature (right LCD display) (2).

Whatever the display was showing before Key-Off.



Maintenance icons (02_08)

- The system shows this function in the following way:
the word "MAINT" appears on the left LCD display (1) after the mileage for the first scheduled service or subsequent scheduled services has been exceeded.
- This visualization is only present for five seconds after start up, and then the display returns to normal.
- To reset the Service it is necessary to contact an Official **Moto Guzzi** Dealership.



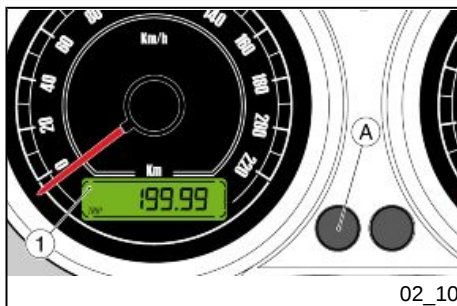
Setting the total and trip odometers (02_09, 02_10)

Total odometer

Unit of measurement for the count: Km or Miles.

Viewing: on the left LCD display (1).

- The data is recorded permanently.
 - It cannot be reset.
 - The total odometer shows the data in the following way:
- the TOTAL symbol is activated;
 - if the value exceeds 199999, "----" is shown permanently..



Trip odometer

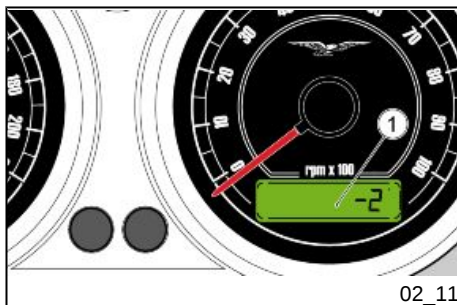
Unit of measurement for the count: Km or Miles.

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

- The data is recorded.
- The count can be reset by pressing and holding down button (A) for two seconds.
- The trip odometer shows the data in the following way:

- the TRIP symbol and the decimal point are activated.

- if the value exceeds 999.9, the counter resets and starts again from "0.0"



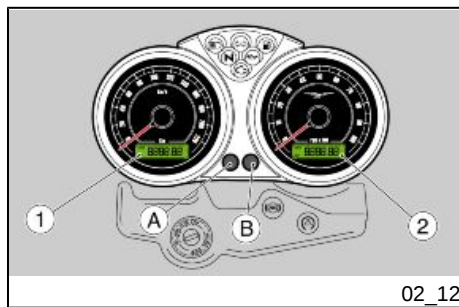
Setting the outside temperature display (02_11)

Unit of measurement: °F or °C.

Viewing: on the right LCD display (1).

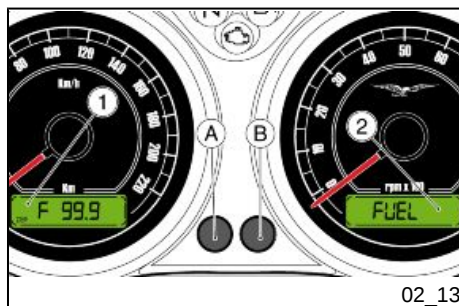
The maximums and minimums shown are 14 / 140 °F (-10 / +60 °C).

- If the temperature is less than 14 °F (-10 °C) the word "LO" will flash on the right LCD screen.
- If the temperature is between 14 °F (-10°C) and 140 °F (+60°C) the display will show the information without flashing.
- If the temperature is equal to or above 140 °F (+60°C) the display will flash the word "HI". At the same time, the symbol for the unit of measurement in use will appear.
- In the case of a loss of signal from the sensor (short circuit or disconnected sensor) three lines "---" will be shown, without flashing.



Control Buttons (02_12)

- Pressing the button (A) with the ignition key turned to the "ON" position, the following items will be shown in this order on the left LCD display (1):
 - total odometer (indicates the total distance traveled):
 - trip odometer (indicates the distance traveled since the last time it was reset, or since fuel reserve was entered);
- Pressing button (B) with the ignition key turned to the "ON" position, the following items will be shown in this order on the right LCD display (2):
 - clock;
 - air temperature.



Advanced Functions (02_13)

Trip Fuel Function (where provided)

This function measures and shows the distance traveled with the vehicle using the fuel reserve.

When the fuel reserve warning light turns on:

- the Trip Fuel Totalizer automatically appears on the left LCD display (1).
- by pressing the button (A) successively, it is also possible to return to the Odometer and Trip meters and to scroll between the three measurements of Odometer - Trip - Trip Fuel.

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 follows:
 - the TRIP symbol is activated, the point and in the character at the farthest left, the letter "F" appears.
 - the initial value is "0.0"

Fuel Alarm Function (where provided)

When the vehicle begins to use the fuel RESERVE:

- the word "FUEL" automatically appears on the right LCD display (2) which alternates with that normally seen (Clock or air temperature)
- The word "FUEL" does not illuminate during start up.

Unit selection function

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

- If you position the ignition key to "ON", keep both buttons (A and B) pressed down: on the right LCD display (1) the current setting "EU" (°C) or "USA" (°F) will appear, flashing.
- Pressing button (A): it changes from "EU" (°C) to "USA" (°F) and viceversa.
- Pressing and holding down the button (B) for five seconds, the last setting is recorded permanently, and on the right LCD display (1), the word "OFF" will appear.
- To return to normal mode, the ignition key must be turned to "OFF".

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

Adjustment of instrument backlighting

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

This parameter is adjustable during the first five seconds after start up. Every time the button (B) is pressed, the level will be reduced by one, cycling through back to the maximum level.

When the button (B) is let go for two seconds, the selection is recorded and at the next start up, the system will maintain the backlighting level selected.

Ignition Switch (02_14)

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

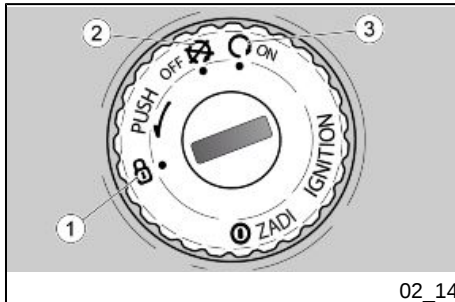
THE KEY IS USED IN THE IGNITION/STEERING LOCK SWITCH, THE KEYHOLE FOR THE FUEL TANK CAP, AND FOR THE SADDLE COMPARTMENT.

NOTE

THE LIGHTS COME ON AUTOMATICALLY AFTER THE ENGINE STARTS.

NOTE

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



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

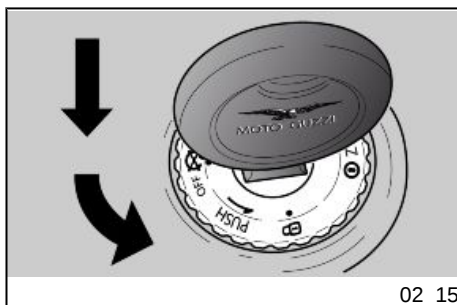
OFF (2): It is impossible to turn on the engine or the lights. It is possible to remove the key.

ON (3): The engine can be started. It is not possible to withdraw the key.

Locking the Handlebar (02_15)



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



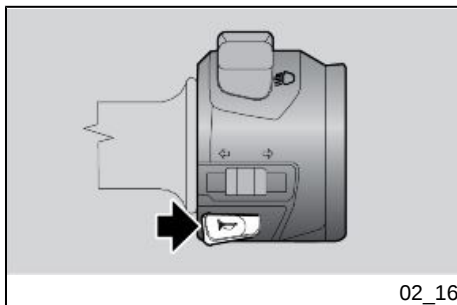
To block the steering:

- 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.

Horn Button (02_16)

NOTE

ELECTRICAL COMPONENTS ONLY WORK WHEN THE IGNITION SWITCH IS SET TO "ON"

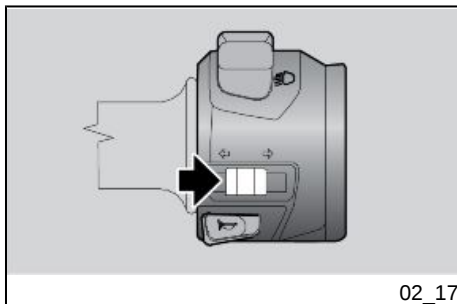


When pressed, the horn is activated.

Turn Signal Selector (02_17)

NOTE

ELECTRICAL COMPONENTS ONLY WORK WHEN THE IGNITION SWITCH IS SET TO "ON"



Move the switch towards the left to indicate a left turn; move the switch to the right, to indicate a right turn. Push the switch to deactivate the turn signal.

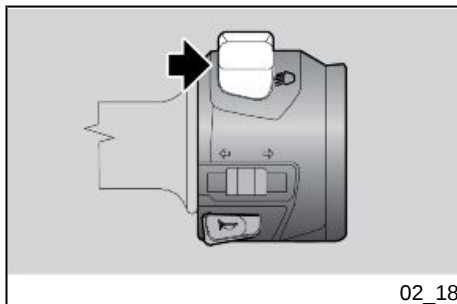
IMPORTANT

IN THE CASE THAT THE TURN SIGNAL LIGHT BLINKS RAPIDLY, IT MEANS THAT ONE OR BOTH OF THE TURN SIGNAL LIGHTS ARE NON-OPERATIVE.

High/Low Beam Selector (02_18)

NOTE

ELECTRICAL COMPONENTS ONLY WORK WHEN THE IGNITION SWITCH IS SET TO "ON"



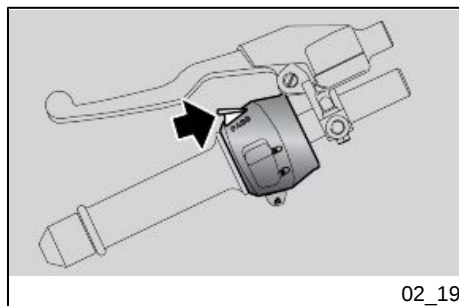
Light switch

- With the switch in the "down" position, parking lights, instrument panel lights and low beams are always on.
- With the switch in the "up" position, high beam is turned on.

Passing Button (02_19)

NOTE

ELECTRICAL COMPONENTS ONLY WORK WHEN THE IGNITION SWITCH IS SET TO "ON"



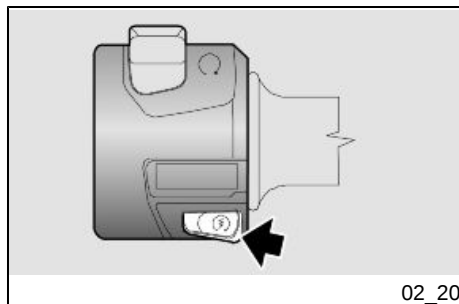
02_19

This causes the high beam light to flash on and off in case of danger or emergency. Disengaging the button deactivates the flashing of the high beam.

Start-up Button (02_20)

NOTE

ELECTRICAL COMPONENTS ONLY WORK WHEN THE IGNITION SWITCH IS SET TO "ON"



02_20

- When the button is pressed, the starter motor will start the engine.
- After starting the engine, keeping the start button pressed for 3 seconds activates/deactivates the MGCT control system.

NOTE

TO REPEAT THE ACTIVATION/DEACTIVATION OF THE MGCT CONTROL SYSTEM, IT IS NECESSARY TO WAIT FOR 2 SECONDS BEFORE PRESSING THE START BUTTON AGAIN

Engine Stop Switch (02_21)

IMPORTANT



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

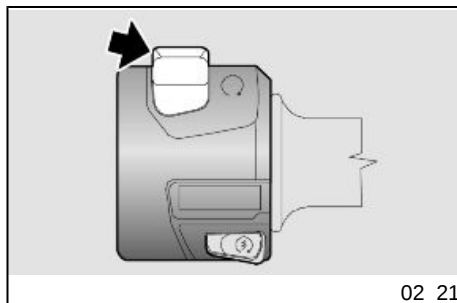
It acts as a safety or emergency switch.

With the switch set to KEY ON the engine can be started; by switching it to the KEY OFF position, the engine stops.

IMPORTANT

IF THE ENGINE IS NOT RUNNING AND THE IGNITION SWITCH IS LEFT IN THE «ON» POSITION, THE BATTERY MAY RUN FLAT.

WHEN THE VEHICLE IS STOPPED AND AFTER THE ENGINE HAS BEEN TURNED OFF TURN THE IGNITION SWITCH TO «OFF».



ABS system (02_22, 02_23, 02_24)

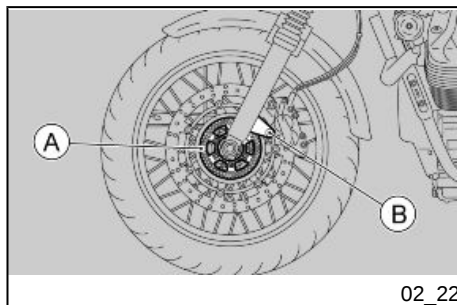
The vehicle is equipped with a locking «ABS» system on the rear and front wheel.

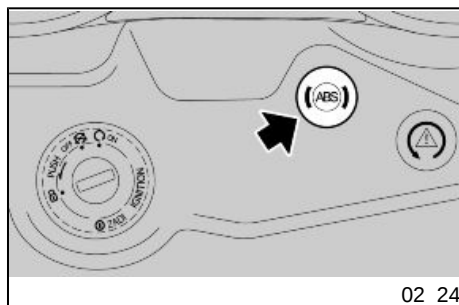
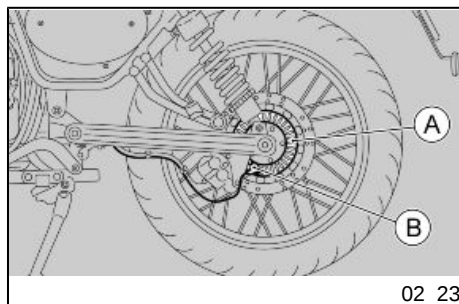
A: Tone wheel

B: Speed sensor

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

In case of failure of the ABS system, immediately reported to the rider with ABS warning light on the instrument panel, the vehicle retains the characteristics of a conventional braking system. In case of ABS warning light, reduce speed and go to an Authorised Service Center for the appropriate checks. The additional safety of the





ABS system in no way justifies 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.

IMPORTANT



AT VERY LOW SPEEDS (LESS THAN 3.11 MPH) 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 INTRODUCING THE KEY, THE ABS WARNING LIGHT TURNS ON AND FLASHES UNTIL REACHING 3.11 MPH WHEN IT TURNS OFF.

IMPORTANT



THE FIXED LIGHT OR THE CONTINUOUS FLASHING OF THE WARNING LIGHT INDICATE THE PRESENCE OF AN ANOMALY AND THE DEACTIVATION OF THE ABS FUNCTION.

IMPORTANT



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

Characteristic

Distance between the speed sensor and the front sensor

0.012 - 0.079 in (0.3 - 2.00 mm)

Distance between the speed sensor and the rear sensor

0.012 - 0.079 in (0.3 - 2.00 mm)

MGTC system (Moto Guzzi Controllo Trazione) (02_25, 02_26)

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.

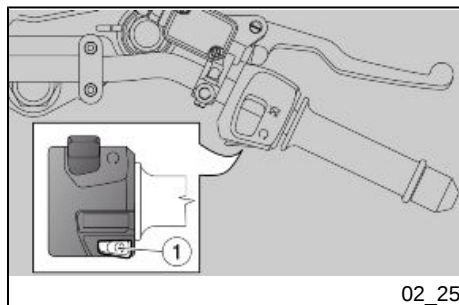
SUDDEN ACCELERATION WITH THE MOTORCYCLE INCLINED OR WITH THE HANDLEBARS TURNED CAUSES A CONDITION OF INSTABILITY WHICH IS DIFFICULT TO MANAGE.

DO NOT RIDE CARELESSLY. VEHICLE STABILITY IS SUBJECT TO CERTAIN LAWS OF PHYSICS WHICH EVEN AN MGCT SYSTEM DOES NOT ELIMINATE.

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.



- **BUTTON (1) (engine running):** activation / deactivation.
- **ICON (2):** icon indicating operation.

Flashing mode:

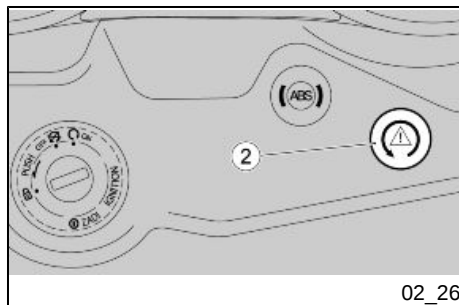
- Off with the vehicle in gear: the system is working, but is not active (normal condition).

- 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 pressing the appropriate button (1) for 2 seconds with the engine running) it is recommended to replace 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 necessary only in case of starting with very low grip surfaces (mud, snow) on which the operation of the MGCT could actually prevent the movement of the vehicle.



NOTE

AT VEHICLE START-UP THE MGCT WARNING LIGHT FLASHES AT THE SAME FREQUENCY AS THE ABS WARNING LIGHT, INDICATING A DIAGNOSTIC PHASE OF THE SYSTEM. IN THE ABSENCE OF ERRORS, BOTH WARNING LIGHTS TURN OFF AT THE SAME TIME WHEN EXCEEDING 3.11 MPH.

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

WARNING

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

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

IMPORTANT

IT IS EMPHASIZED 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

IN CASE OF ROAD DISCONNECTIONS THERE COULD BE SHORT ACTIVATIONS OF THE MGCT SYSTEM. SUCH EVENT APPEARS UNDER NORMAL OPERATION CONDITIONS OF THE VEHICLE.

IMPORTANT

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

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

IMPORTANT

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

MGCT SYSTEM CALIBRATION PROCEDURE

In order to maintain the effectiveness of the MGCT system following the replacement of one or both 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.

- It is necessary that the diagnostic phase of the MGCT and ABS systems is complete: for this purpose, after having switched to the position (ON), ride a short distance above 3.11 mph and wait for the flashing of both warning lights to stop.
- Allow the engine to run in idle for at least 5 seconds.
- Deactivate the MGCT control system by pressing the activation/deactivation button until the warning light is lit steady.
- Pull the clutch lever while pressing the start button (1) for at least 5 seconds. The activation process will be confirmed by the MGCT warning light (2) turning on with slow flashing.

- Accelerate to a constant speed of to 18.64 mph and maintain it for at least to 8 seconds. The permanence of the vehicle speed in the correct range for the completion of the procedure is confirmed by the fast flashing of the MGCT warning light (2).
- 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, it is necessary to switch to the (OFF) position and wait at least 60 seconds before switching it to (ON) again.
- In case of failure to complete the procedure within 5 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.

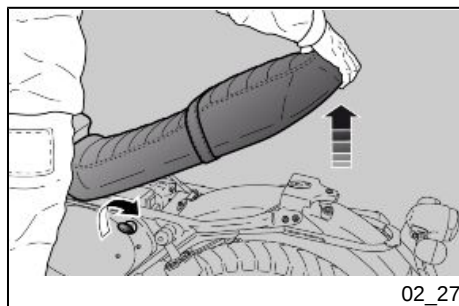
Characteristic

Distance between the speed sensor and the front sensor

0.012 - 0.079 in (0.3 - 2.00 mm)

Distance between the speed sensor and the rear sensor

0.012 - 0.079 in (0.3 - 2.00 mm)



Opening the saddle (02_27)

- 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, MAKE SURE THAT YOU HAVE NOT LEFT THE KEY IN THE GLOVE AND TOOL KIT COMPARTMENTS.

To lock the seat:

- Place the front part of the seat in position, and then lower the rear part.
- Push down on the rear part until you hear the lock click



BEFORE YOU BEGIN RIDING, MAKE SURE THAT THE SEAT IS CORRECTLY LOCKED IN PLACE.

Glove/tool kit compartment

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

The identification (02_28, 02_29)

It is a good idea to write down the frame and engine number in the relevant area of this booklet. The chassis number is handy when purchasing spare parts.

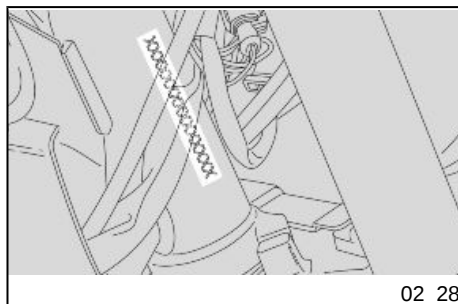
IMPORTANT

CHANGING IDENTIFICATION NUMBERS IS AN OFFENSE WHICH CAN RESULT IN SEVERE CRIMINAL CHARGES. IN ADDITION THE NEW VEHICLE LIMITED WARRANTY WILL BE CANCELED IF THE VEHICLE IDENTIFICATION NUMBER (VIN) HAS BEEN CHANGED OR CANNOT READILY BE DETERMINED.

CHASSIS NUMBER

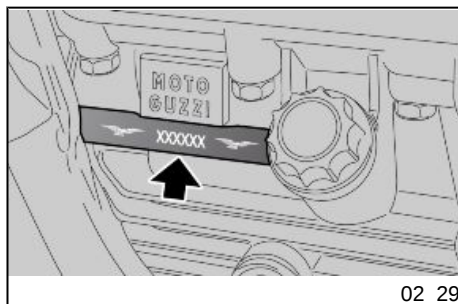
The chassis number is stamped on the right side of the headstock.

Chassis No.

**ENGINE NUMBER**

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

Engine No.



V7 II Stornello



Chap. 03
Use

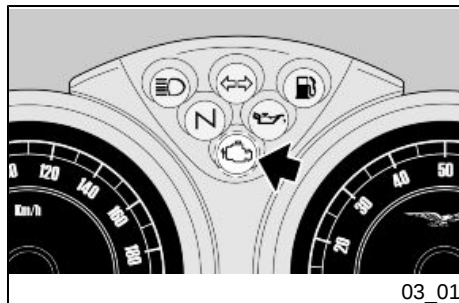
Checks (03_01)

IMPORTANT

IN ORDER TO ENSURE CORRECT AND SAFE OPERATION ALWAYS CARRY OUT PRE-RIDE CHECKS BEFORE SETTING OFF. FAILURE TO DO SO MAY LEAD TO SEVERE INJURY OR VEHICLE DAMAGE. IF YOU ARE NOT CLEAR ABOUT THE OPERATION OF VEHICLE CONTROLS OR BELIEVE THAT ANY COMPONENTS MAY BE MALFUNCTIONING, DO NOT HESITATE TO CONTACT AN Official Moto Guzzi Dealership. THE TIME REQUIRED TO CARRY OUT A CHECK IS EXTREMELY SHORT BUT RESULTS IN A SIGNIFICANT INCREASE IN SAFETY.

This vehicle is capable of detecting and recording individual malfunctions and recording them on the electronic control unit.

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 play and brake fluid
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	level. Check for leaks. Check for brake pad wear. If needed, add 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 off as required.
Wheels / tires	Check tire surface and inflation pressure. Check for wear and damage. Remove any foreign bodies that may have become lodged in the tread's grooves.
Brake levers	Check that they work smoothly. Lubricate the joints and adjust the stroke if necessary.
Clutch lever	Check for proper operation and clearance. Check the status of the cable, both on the handlebar as well as on the engine. Replace the cable in the case of unraveling. Lubricate the joints if necessary.
Steering	Check that the rotation is continuous, smooth, without backlash and/or loosening.
Side stand	Check that it works smoothly and that it goes back to its normal

position when the springs are released. Lubricate joints and couplings as required.

Fasteners	Check that fasteners are properly tightened. Adjust or tighten them as required.
Fuel tank	Check the level and top off as required. Check for any leaks in the fuel system.. Check that the fuel cap closes correctly.
Engine stop switch (ON - OFF)	Check for correct operation.
Lights, warning lights, horn, rear brake light switches and electrical devices	Check for correct operation of the horn and lights. Replace the bulbs or repair any malfunctions.
Transmission fluid - Guzzi	Check. If a top off is necessary, contact an authorized Moto Guzzi service center.
Speed sensors	Check that the speed sensors are perfectly clean and free of damage.

Refueling (03_02)

IMPORTANT

GASOLINE IS EXTREMELY FLAMMABLE AND UNDER CERTAIN CONDITIONS CAN BECOME EXPLOSIVE.

FOR THIS REASON IT IS NECESSARY TO FILL THE VEHICLE WITH GASOLINE AND PERFORM MAINTENANCE OPERATIONS WHICH INVOLVE THE FUEL SYSTEM IN AN AREA THAT IS WELL VENTILATED, AND WITH THE ENGINE TURNED OFF.

DO NOT REFUEL YOUR VEHICLE WITH GASOLINE OR PERFORM MAINTENANCE OPERATIONS WHILE THE ENGINE IS ON.

DO NOT SMOKE WHILE REFUELING OR NEAR DANGEROUS VAPORS. NEVER LET GASOLINE ENTER INTO CONTACT WITH FLAMES, SPARKS OR OTHER SOURCES OF HEAT. AVOID LETTING GASOLINE SPILL WHILE REFUELING. THE SPLASHES OF GASOLINE COULD LIGHT ON FIRE IF IT COMES IN CONTACT WITH THE HOT ENGINE OR EXHAUST SYSTEM SURFACES. IF YOU ACCIDENTALLY SPILL GASOLINE, MAKE SURE THAT IT HAS DRIED OR COMPLETELY EVAPORATED BEFORE YOU START YOUR VEHICLE.

AVOID TOUCHING GASOLINE WITH YOUR SKIN, AND AVOID BREATHING THE VAPORS FROM THE GASOLINE.

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

IMPORTANT

GASOLINE IS POISONOUS AND CARCINOGENIC AND CONTAINS CHEMICAL SUBSTANCES THAT CAUSE BIRTH DEFECTS.

IF YOU ACCIDENTALLY SPILL GASOLINE ON YOUR SKIN OR YOUR CLOTHES, CHANGE YOUR CLOTHES AND IMMEDIATELY WASH YOUR SKIN WITH SOAP AND WATER.

IF GASOLINE SHOULD ACCIDENTALLY COME INTO CONTACT WITH YOUR EYES, RINSE THEM WITH LOTS OF WATER AND CONTACT A DOCTOR IMMEDIATELY. IF YOU ACCIDENTALLY INGEST GASOLINE, DO NOT INDUCE VOM-

ITING. DRINK A LARGE GLASS OF MILK OR WATER AND CONSULT A DOCTOR IMMEDIATELY.

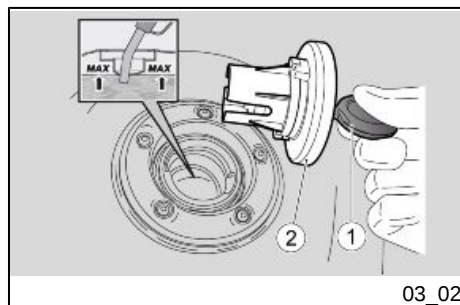
IF YOUR VEHICLE FLIPS OVER IT MAY LEAK GASOLINE, WHICH IS EXTREMELY FLAMMABLE. FLAMES AND SPARKS MAY CAUSE SERIOUS FIRES WHICH MIGHT DESTROY NOT ONLY YOUR VEHICLE, BUT ARE ALSO EXTREMELY DANGEROUS FOR OTHER VEHICLES AND BUILDINGS IN THE SURROUNDING AREA, AND COULD ALSO CAUSE SERIOUS INJURY AND EVEN DEATH.

KEEP GASOLINE OUT OF REACH OF CHILDREN. DISPOSE OF IT IN THE CORRECT MANNER, DO NOT DISPOSE INTO THE SEWER SYSTEM, IN THE SINK, OR IN THE BATHROOM.

Characteristic

Fuel

Unleaded fuel max E10 (95 R.O.N.)



To refuel:

- Insert the key (1) into the keyhole on the fuel tank cap (2).
- Turn the key counterclockwise, pull out and remove the fuel tank cap (2).

IMPORTANT



IT IS RECOMMENDED TO USE GASOLINE WITH BIOETHANOL CONTENT OF MAXIMUM 10% (E10).

DO NOT USE GASOLINE WITH ETHANOL CONTENT EXCEEDING 10%; SUCH USE MAY DAMAGE THE SUPPLY SYSTEM COMPONENTS AND/OR AFFECT THE OPERATION OF THE ENGINE.

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.



WHEN REFUELING, THE MAXIMUM GASOLINE LEVEL SHOULD IN ANY CASE REMAIN UNDER THE LOWER EDGE OF THE FILLER NECK (SEE FIGURE).

WHILE REFUELING AVOID FUEL LEAKAGE, WHICH COULD CAUSE DAMAGE TO THINGS AND/OR PEOPLE AND RISK OF FIRE.

WHILE REFUELING, DO NOT USE ELECTRONIC DEVICES AND/OR CELLULAR PHONES THAT COULD CAUSE DAMAGE TO THINGS AND/OR PEOPLE DUE TO GASOLINE VAPORS.

Characteristic

Fuel tank capacity (reserve included)

5.55 US gal (4.62 UK gal; 21 l)

Fuel tank reserve

1.06 US gal (0.88 UK gal; 4 l)

- Refuel.

When refueling is finished:

IMPORTANT

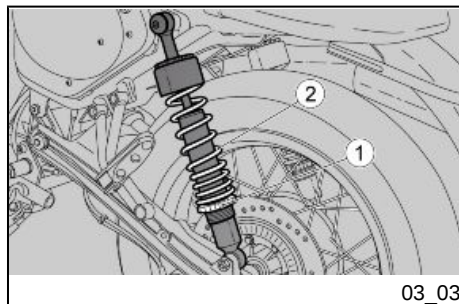
THE CAP CAN BE CLOSED ONLY WHEN THE KEY (1) IS INSERTED.

- With the key (1) inserted, close the cap, pressing on it.



MAKE SURE THAT THE CAP IS CLOSED CORRECTLY.

- Remove the key (1).



Rear shock absorbers adjustment (03_03, 03_04)

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

NOTE

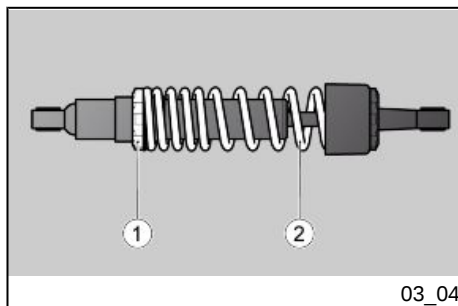
IT IS POSSIBLE TO ADJUST THE HEIGHT OF THE REAR PART OF THE VEHICLE IN ORDER TO PERSONALIZE THE STRUCTURE.

NOTE

HALVE MAINTENANCE INTERVALS IF YOU ARE RIDING IN RAINY OR DUSTY AREAS, ON ROUGH ROADS, OR IF THE MOTORCYCLE IS USED IN COMPETITIONS.

IMPORTANT

DO NOT FORCE THE ROTATION OF THE ADJUSTMENT REGISTER (1) BEYOND THE END OF THE STROKE IN EITHER DIRECTION, IN ORDER TO AVOID ANY DAMAGE.

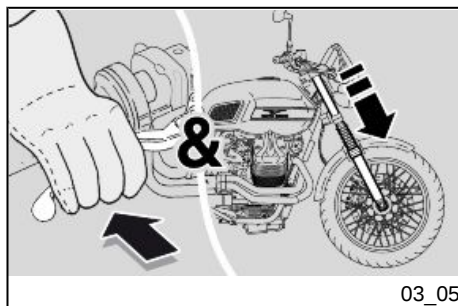


03_04

- Adjust the adjustment ring nut (1) to adjust the spring preloading (2).
- Screw in to increase the preloading; vice versa, loosen 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.



03_05

Front Fork Adjustment (03_05)

Also carry out the following checks periodically:

With the front brake lever engaged, press on the handlebar repeatedly to make the fork go down. The ride should be smooth and there should not be oil leaks on the fork tubes.

Check the tightness of all fasteners and ensure that both the front and rear suspension is operating correctly.

IMPORTANT

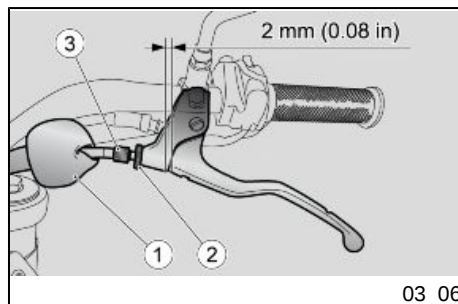
TO REPLACE THE FRONT FORK OIL AND THE OIL SEALS, CONTACT AN Official Moto Guzzi Dealership.

Clutch lever adjustment (03_06, 03_07)

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.

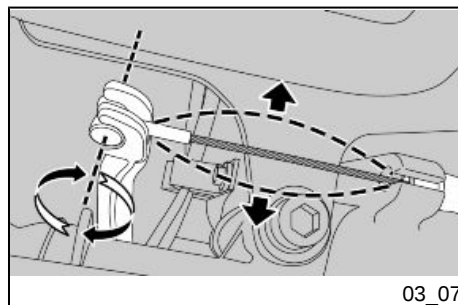
- In order to maintain a correct tension and an optimal clutch operation, it is necessary to check and if necessary provide tension to the cable:

- 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 perform the adjustment, follow the indicated points:

1. Slide the protective casing (1) out
2. Loosen the ring nut (2)
3. 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)



4. Push the clutch control lever placed on the gearbox towards the rear wheel
5. Pull the clutch control lever placed on the gearbox towards the opposite side (as in point 4) checking that the cable is not tightened.
6. During the previous operation, check that the cable lug turns freely around its axis, regarding the clutch lever
7. Tighten the ring nut (2) holding the adjuster (3)
8. Reposition the protective casing (1)
9. 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.

10. If the adjuster stroke (3) is not sufficient to ensure the required clearance, contact an Authorized Moto Guzzi Dealer

Running-In

The running-in is essential for a satisfying vehicle's life. In the first 621.37 mi (1000 km) follow the guidelines detailed below to ensure reliability and future performance:

- Avoid full throttle starts and rapid acceleration;
- Avoid heavy and prolonged braking;
- Avoid driving at high and constant speed; better varied roads with frequent and moderate acceleration and decelerating;
- Ride carefully in order to get acquainted with the motorcycle, gradually increasing the engine speed

IMPORTANT

THIS VEHICLE IS EQUIPPED WITH A SINGLE DRY DISC CLUTCH. IT IS POSSIBLE THAT UNDER PARTICULAR OPERATING CONDITIONS, THIS WILL PRODUCE A SLIGHT AND CHARACTERISTIC SMELL. THIS IS NORMAL AND NOT A SIGN OF MALFUNCTION.

IMPORTANT

IT IS ONLY POSSIBLE TO ATTAIN YOUR VEHICLE'S BEST PERFORMANCE AFTER HAVING PERFORMED THE FIRST SCHEDULED SERVICE AFTER THE RUN-IN.



AT THE INDICATED MILEAGE, HAVE AN OFFICIAL Moto Guzzi DEALERSHIP PERFORM THE CHECKS LISTED IN THE TABLE IN THE SECTION FOR PROGRAMMED MAINTENANCE UNDER "END OF RUNNING-IN", IN ORDER TO AVOID DAMAGING THE VEHICLE, YOURSELF, AND OTHERS.

Difficult starting

The vehicle comes with an automatic starter, and does not require any warning for a cold start up.

In the case that outside temperature is very low (near or less than 32 °F / 0 °C) the automatic starter will activate, increasing the rotations until the engine reaches the optimal temperature and will then automatically stop.

NOTE

THE AUTOMATIC STARTER CANNOT BE ACTIVATED MANUALLY.

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, RADIATOR, AND OIL DUCTS, EXHAUST SYSTEM, BRAKE DISKS), DO NOT COMPROMISE THE SAFETY OF ADULTS AND CHILDREN. DO NOT LEAVE THE VEHICLE UNATTENDED 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.



IN AIR COOLED ENGINES CONTINUOUS AIR FLOW MUST BE ENSURED IN ORDER TO GUARANTEE CORRECT OPERATING TEMPERATURE. PROLONGED PERIODS OF IDLING OR LOW SPEED RIDING CAN OVERHEAT THE EXHAUST, CAUSING A SLIGHT DISCOLORATION WHICH SHOULD BE CONSIDERED NORMAL



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:

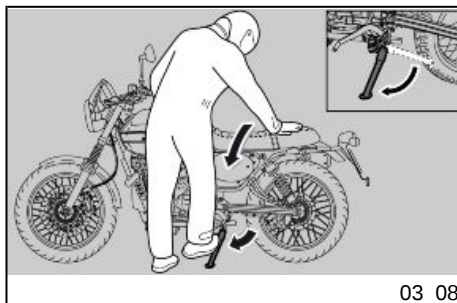
- the removal or any action intended to render inoperative, on the part of anyone, if not for maintenance operations, repair or substitution, any device or element incorporated in a new vehicle that is intended to control noise emissions before purchase or delivery of the vehicle to the final purchaser,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

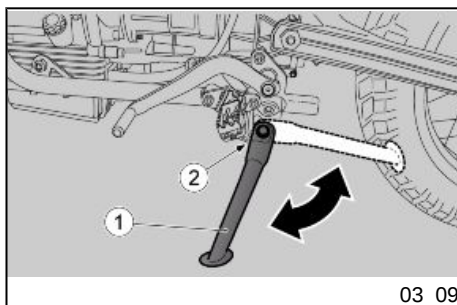
DO NOT TAMPER WITH THE EXHAUST SYSTEM.



Stand (03_08, 03_09)



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



SIDE STAND

In the case that a maneuver (for example moving the vehicle) has required the reinsertion of the stand, to reposition the vehicle on the stand, proceed as follows:

- Grip the left throttle twist grip and rest the right hand on the upper rear part of the vehicle.
- Lower the side stand with the right foot, extending it completely.
- Lean the motorcycle until the stand touches the ground.
- Turn the handlebar completely to the left.

IMPORTANT

MAKE SURE THAT THE VEHICLE IS STABLE.

There is a safety cutoff switch (2) installed on the side stand (1) which works to impede or stop the engine from running when placed in gear while the side stand (1) is lowered.

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.

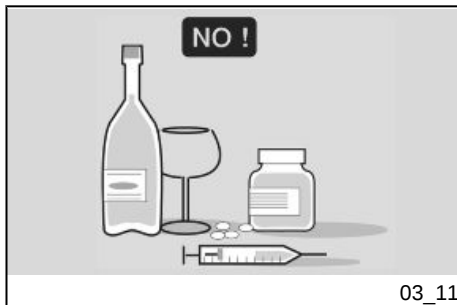


03_10

Safe riding (03_10, 03_11, 03_12, 03_13, 03_14, 03_15, 03_16, 03_17, 03_18, 03_19, 03_20, 03_21, 03_22, 03_23, 03_24, 03_25, 03_26, 03_27, 03_28, 03_29, 03_30, 03_31, 03_32)

BASIC SAFETY RULES

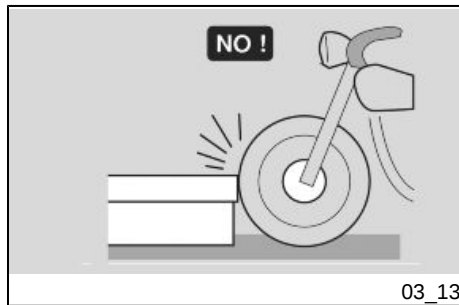
The following instructions refer to normal use of your vehicle, and should be respected. Observing these rules will allow you to increase your level of safety and that of those around you, as well as increasing the life and usefulness of your vehicle. Obviously two-wheeled vehicles do not offer any of 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_11



03_12



03_13

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.

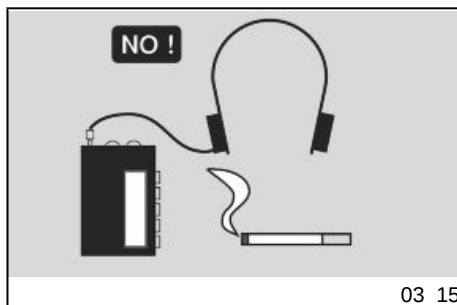
Avoid showing off with dangerous moves (for example wheelies). In particular, respect speed limits, and remember that road conditions vary based on weather conditions: wet and icy roads are particularly dangerous at sustained speeds. Automobile riders frequently have difficulty seeing two-wheeled vehicles, 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

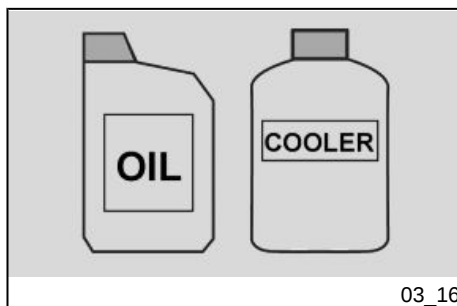
IN THE CASE OF AN EMERGENCY BECAUSE THE THROTTLE GRIP IS MALFUNCTIONING, ALWAYS TURN OFF THE ENGINE USING THE ENGINE STOP BUTTON LOCATED NEAR THE ACCELERATION GRIP ON THE RIGHT HANDLEBAR. NEVER USE THE VEHICLE IF THE THROTTLE GRIP DOES NOT AUTOMATICALLY AND COMPLETELY RETURN TO THE NEUTRAL POSITION WHEN 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.



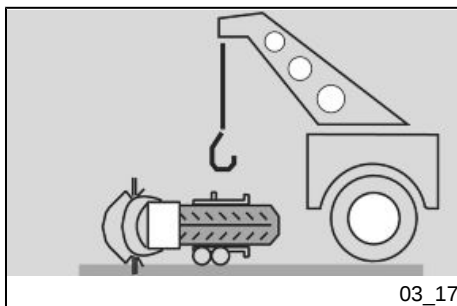
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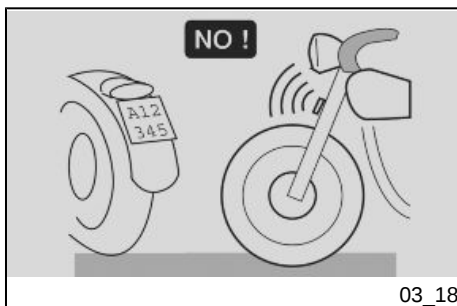
03_16



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.

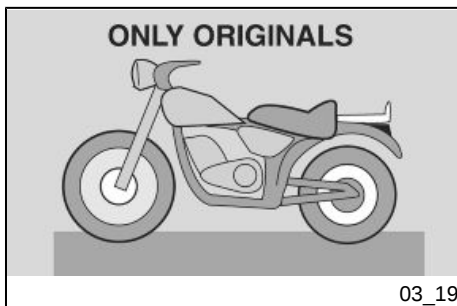


Do not attempt to modify the position, angle or color of your license plate. The license plate should not be covered in any way, not even with transparent plastic. Do not modify your vehicle's safety systems, in particular components associated with the turn signals, rearview mirrors, the lights and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

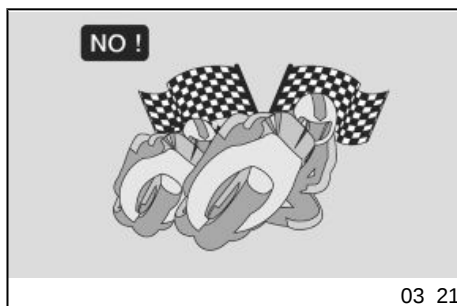
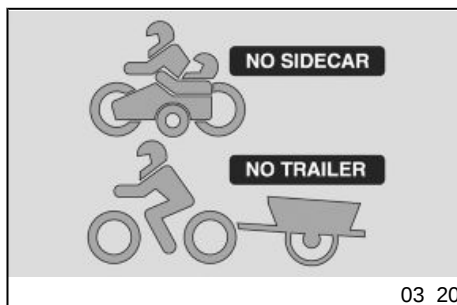


Tampering with the emissions or sound control system is prohibited by law and can be severely punished.

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



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.

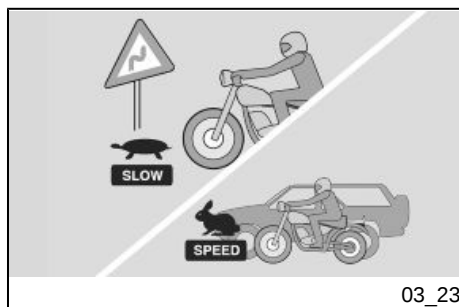
Open and close the throttle grip slowly in order to avoid causing the rear wheel to slip or slide.

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.

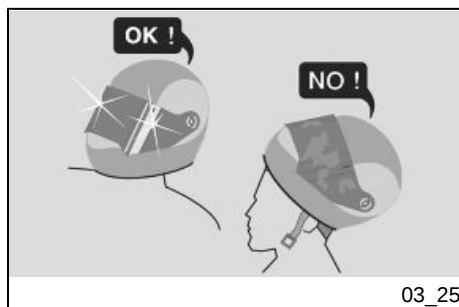
Remember that turning too aggressively can cause the side of the tires to lose contact with the ground, leading to a fall, serious injury, and even death.



03_23



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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.

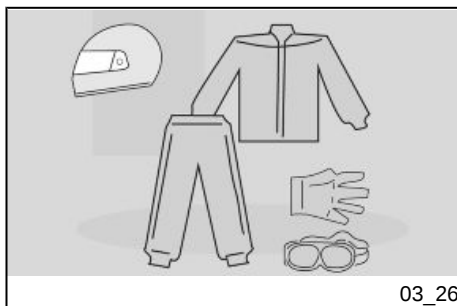
Do not drive the vehicle off-road.

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.



03_26

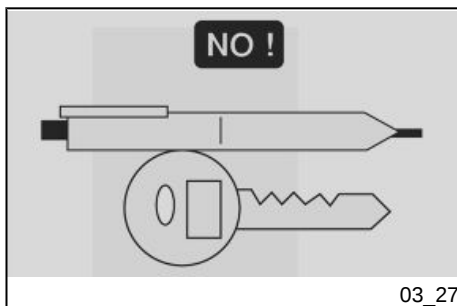
Without doubt the rider in front of you will swear that s/he saw you only when, after turning, s/he found you in their lane. Ride with caution!

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.

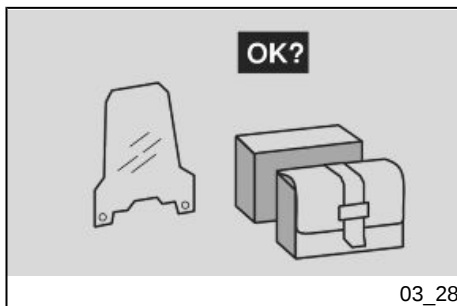


03_27

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.



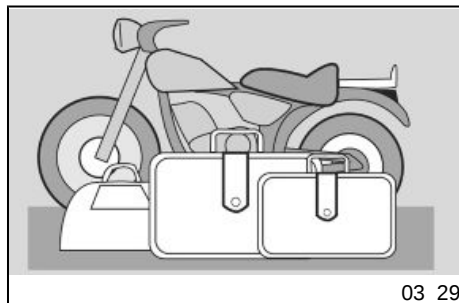
03_28

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

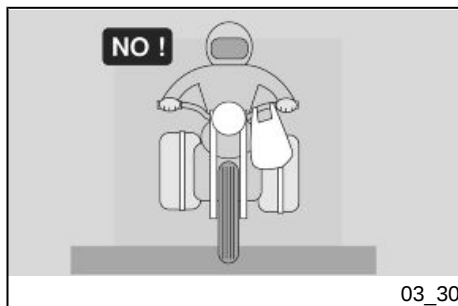
Do not overload your vehicle.

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.

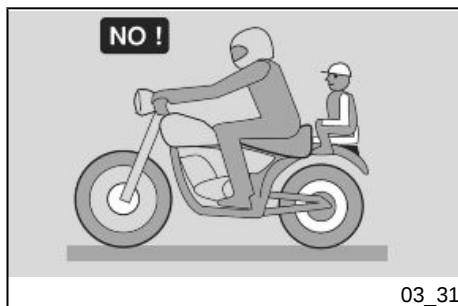
Carry a passenger only if your vehicle is equipped with passenger footpegs, handgrips for the passenger to hold on to, and a passenger saddle.



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.



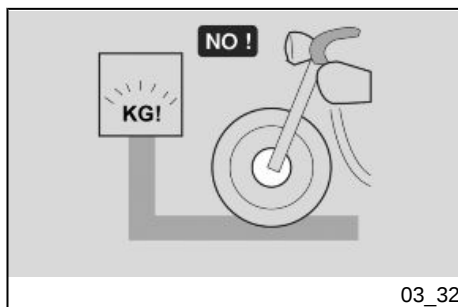
Never transport objects that are not secure, and make sure that when they are transported they are securely fastened to the vehicle.

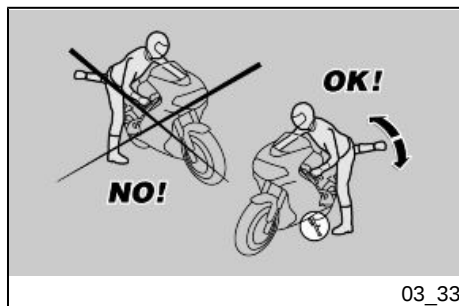
Do not carry packages that protrude from the luggage rack or which cover any of the alarm devices or lights.

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.





Basic safety rules (03_33, 03_34, 03_35, 03_36)

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.

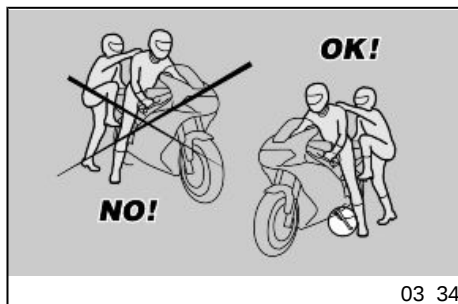
The stand is designed to support the weight of the vehicle and a small additional weight, which does not include the rider and passenger.

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.

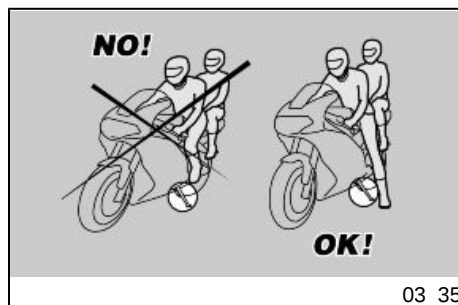
THE VEHICLE INCLUDES PASSENGER FOOTRESTS WHICH SHOULD BE USED DURING MOUNTING AND DISMOUNTING. THE PASSENGER SHOULD ALWAYS USE THE LEFT FOOTREST FOR MOUNTING AND DISMOUNTING FROM THE VEHICLE.

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

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

IMPORTANT

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



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

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



RISK OF FALLING OR OVERTURNING.

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

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

IMPORTANT



MAKE SURE THAT THE VEHICLE IS STABLE.

V7 II Stornello



Chap. 04
Maintenance

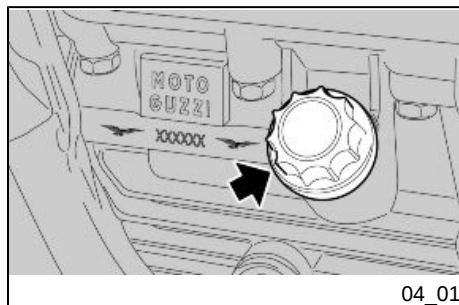
Foreword

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 ALARM LIGHT ON THE INSTRUMENT PANEL WILL LIGHT UP FOR ABOUT THREE SECONDS.

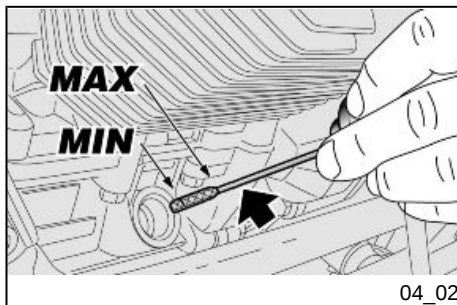


Engine oil level check (04_01, 04_02)

Periodically check the motor oil level.

NOTE

HALVE MAINTENANCE INTERVALS IF YOU ARE RIDING IN RAINY OR DUSTY AREAS, ON ROUGH ROADS, OR IF THE MOTORCYCLE IS USED IN COMPETITIONS.



To check:



THE ENGINE OIL LEVEL CHECK MUST BE PERFORMED WITH THE ENGINE WARM AND WITH THE OIL REFILLING CAP/DIPSTICK INSERTED AND NOT COMPLETELY SCREWED IN.

CHECKING THE MOTOR OIL LEVEL WITH THE ENGINE COLD COULD CAUSE THE OIL TO TEMPORARILY DESCEND BELOW THE "MIN" LEVEL.

THIS DOES NOT INDICATE A PROBLEM AS LONG AS THE WARNING LIGHT AND THE MOTOR OIL PRESSURE LIGHT DO NOT BOTH TURN ON ON THE DISPLAY.

IMPORTANT

DO NOT RUN THE ENGINE IN NEUTRAL WITH THE VEHICLE STOPPED IN ORDER TO WARM UP THE ENGINE AND BRING THE MOTOR OIL TO DRIVING TEMPERATURE.

TO PERFORM THE PROCEDURE CORRECTLY, DO IT AFTER A TRIP OR AFTER HAVING RIDDEN ROUGHLY 9.32 MI (15 KM) ON NON-CITY ROADS (ENOUGH TO BRING THE MOTOR OIL TEMPERATURE TO NORMAL).

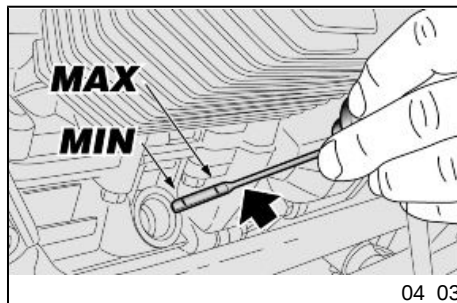
- Stop the engine.
- Keep the vehicle in a vertical position, with both wheels resting on the ground.
- Unscrew the oil refilling cap/dipstick.
- Ensure with the oil refilling dipstick.

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 MIN LEVEL MARK TO AVOID SEVERE ENGINE DAMAGE.

Engine Oil Top Off (04_03)

If necessary, top off the engine oil:

- Unscrew and remove the refilling cap.



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_04, 04_05, 04_06)



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.

NOTE

HALVE MAINTENANCE INTERVALS IF YOU ARE RIDING IN RAINY OR DUSTY AREAS, ON ROUGH ROADS, OR IF THE MOTORCYCLE IS USED IN COMPETITIONS.

Periodically check the motor oil level.

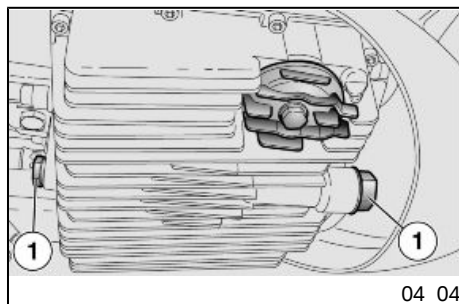
To replace:

IMPORTANT

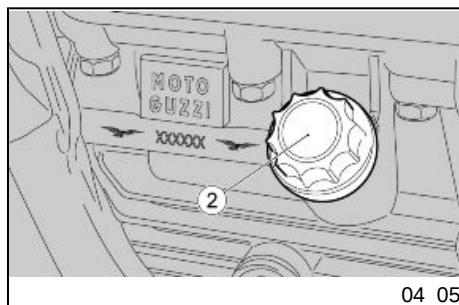
TO COMPLETELY REMOVE ALL THE OIL, THE OIL MUST BE WARM, HENCE MORE FLUID. OIL REACHES THIS STATE AFTER APPROXIMATELY TWENTY MINUTES OF NORMAL RIDING.



WHEN THE ENGINE IS HOT THE OIL IS AT A HIGH TEMPERATURE. PAY PARTICULAR ATTENTION TO AVOID BURNING YOURSELF WHILE PERFORMING THE FOLLOWING ACTIONS.



04_04



04_05

- Place a container, with a capacity of more than 122.05 cu in (2000 cc) underneath the drainage caps (1).
- Unscrew and remove the drainage caps (1).
- Unscrew and remove the refilling cap (2).
- Drain the oil and let it drip for a few minutes into the container below.
- Check, and if necessary, replace the washers from the drainage caps (1).
- Remove the metal residue attached to the magnet in the drainage caps (1).
- Screw in and lock the drainage caps (1).

Drainage caps tightening torque (1): 8.85 lb ft (12 Nm).



DO NOT DISPOSE OF THE OIL IMPROPERLY.

WE RECOMMENDED TRANSPORTING THE OIL IN A SEALED CONTAINER TO A TRUSTED SERVICE STATION OR TO A USED OIL COLLECTION CENTER.

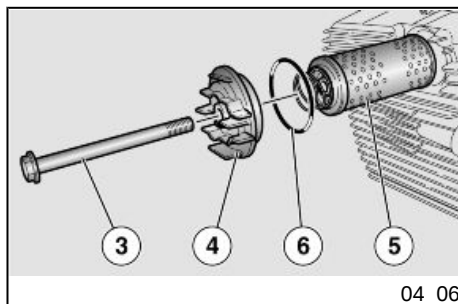
Replacement of the engine oil filter

NOTE

HALVE MAINTENANCE INTERVALS IF YOU ARE RIDING IN RAINY OR DUSTY AREAS, ON ROUGH ROADS, OR IF THE MOTORCYCLE IS USED IN COMPETITIONS.

IMPORTANT

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



- Unscrew the screw (3) and remove the cover (4).
- Remove the engine oil filter (5).

NOTE

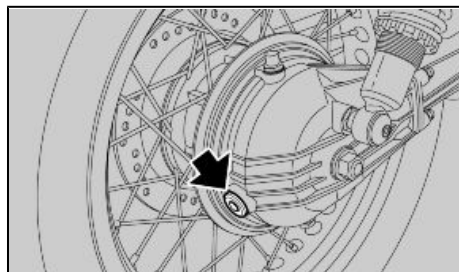
DO NOT REUSE A FILTER THAT HAS ALREADY BEEN USED.

- Smooth a layer of oil on the gasket ring (6) of the new engine oil filter.
- Insert a new engine oil filter with the spring turned towards the ground.
- Replace the cover (4) screw in and lock in place the screw (3).

Universal joint oil level (04_07)

NOTE

HALVE MAINTENANCE INTERVALS IF YOU ARE RIDING IN RAINY OR DUSTY AREAS, ON ROUGH ROADS, OR IF THE MOTORCYCLE IS USED IN COMPETITIONS.



04_07

Periodically check the shaft oil level, and replace it at the intervals recommended in the scheduled service table.

To carry out the check:

- Keep the vehicle in a vertical position, with both wheels resting on the ground.
- Unscrew and remove the level cap.
- Check that the oil is touching the hole for the level cap. If the oil is lower than this level, you must top it off.

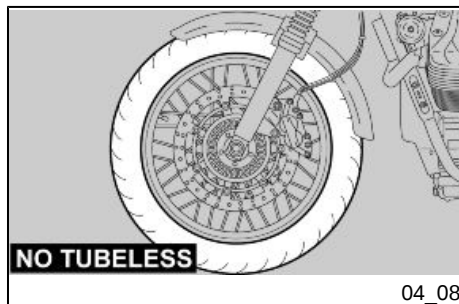
IMPORTANT

FOR OIL TOP OFF AND IF NECESSARY REPLACEMENT OF THE TRANSMISSION FLUID IN THE CARDAN SHAFT TRANSMISSION, CONTACT AN Official Moto Guzzi Dealership.

Gearbox oil level

IMPORTANT

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



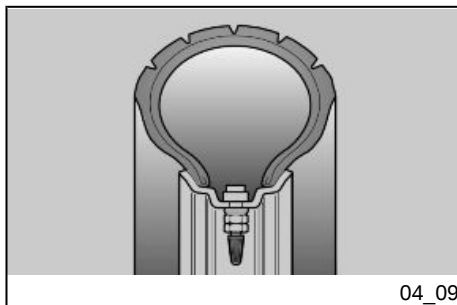
04_08

Tires (04_08, 04_09, 04_10)

This vehicle is fitted with tires with an inner tube.

IMPORTANT

REGULARLY CHECK TIRE PRESSURE AT ROOM TEMPERATURE. CHECKING PRESSURE ON HOT TIRES WILL RESULT IN INACCURATE MEASUREMENT. IT IS PARTICULARLY IMPORTANT TO CHECK TIRE PRESSURE BEFORE AND AFTER A LONG JOURNEY. IF TIRE PRESSURE IS TOO HIGH, THE SURFACE UNEVENNESS IS NOT CUSHIONED AND IS SENT TO THE HANDLEBAR, RESULTING IN UNPLEASANT RIDING AND POOR ROAD GRIP ESPECIALLY WHEN TURNING.



04_09

AN UNDER-INFLATED TIRE, ON THE OTHER HAND, WILL EXTEND THE CONTACT PATCH TO INCLUDE A LARGER PORTION OF THE WALL. WHEN THIS IS THE CASE, THE TIRE MAY SLIP OR BECOME DETACHED FROM THE RIM, LEADING TO LOSS OF CONTROL.

THE TIRE COULD COME OFF THE RIMS UNDER HARD BRAKING.

FINALLY, THE VEHICLE COULD SKID WHILE TURNING.

INSPECT THREAD SURFACE AND CHECK FOR WEAR. BADLY WORN TIRES ADVERSELY AFFECT TRACTION AND HANDLING.

SOME OF THE TIRES RECOMMENDED FOR USE FOR THIS MOTORCYCLE FEATURE WEAR INDICATORS.

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

CARRY OUT A VISUAL INSPECTION OF TIRE WEAR, AND REPLACE THEM IF THEY ARE WORN.

WHEN TIRES ARE OLD, THE MATERIAL MAY HARDEN AND NOT PROVIDE ADEQUATE GRIP, EVEN THOUGH THE TIRES ARE STILL WITHIN THE WEAR LIMIT. REPLACE THE TIRES IF THIS OCCURS. REPLACE THE TIRE IF IT IS WORN OR IF IT HAS A PUNCTURE IN THE TREAD AREA LARGER THAN 0.197 in (5 mm).

AFTER A TIRE IS MENDED, BALANCE THE WHEELS.

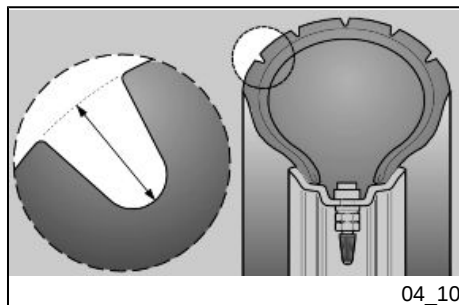
USE ONLY TIRE SIZES INDICATED BY THE MANUFACTURER. DO NOT INSTALL TIRES WITH INNER TUBES ON RIMS FOR TUBELESS TIRES, OR VICE VERSA. CHECK THAT THE INFLATION VALVES ARE ALWAYS CAPPED IN ORDER TO AVOID UNEXPECTED FLAT TIRES.

REPLACEMENT, REPAIR, MAINTENANCE AND BALANCING OPERATIONS ARE HIGHLY IMPORTANT AND SHOULD BE CARRIED OUT USING THE APPROPRIATE TOOLS AND WITH ADEQUATE KNOWLEDGE. FOR THIS REASON IT IS RECOMMENDED THAT YOU CONTACT AN OFFICIAL DEALER, OR A SPECIALIZED TIRE REPAIRER FOR THE FOLLOWING OPERATIONS.

NEW TIRES MAY BE COATED WITH AN OILY FILM. DRIVE CAREFULLY FOR THE FIRST FEW MILES. DO NOT GREASE TIRES WITH UNSUITABLE LIQUIDS.

IF THE TIRES ARE OLD, EVEN THOUGH THE TIRES ARE STILL WITHIN THE WEAR LIMIT, THE MATERIAL MAY HARDEN AND NOT PROVIDE ADEQUATE TRACTION.

IF THIS IS THE CASE, REPLACE THE TIRES.



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.

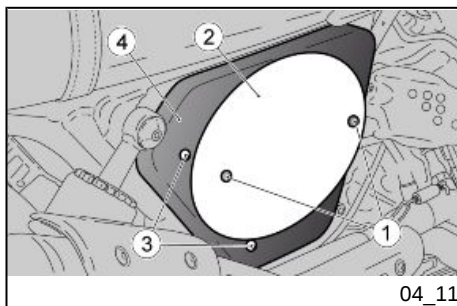
Spark plug removal

IMPORTANT

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

IMPORTANT

CHECK THE FITTING OF THE SPARK PLUG CAP AS IT REQUIRES A SPECIAL ACCURACY AT INSERTION.



Side panel disassembly (04_11)

- Remove the saddle.
- Unscrew and remove the two screws (1) and remove the oval (2).
- Unscrew and remove the three fixing screws (3) and remove the fairing (4).

NOTE

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

- Repeat the operation to remove the other side fairing.

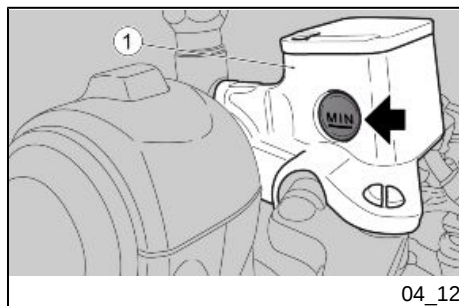
The right fairing (4) can be completely removed.

The left fairing can be removed. However, it remains connected to the chassis by the seat hook cable.

Air filter removal

IMPORTANT

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



04_12

Checking the brake fluid level (04_12, 04_13)

FRONT BRAKE

CHECKING

- Place the vehicle on the stand
- Turn the handlebar completely to the right.
- Check that the liquid contained in the tank (1) exceeds the "MIN" mark

MIN= minimum level

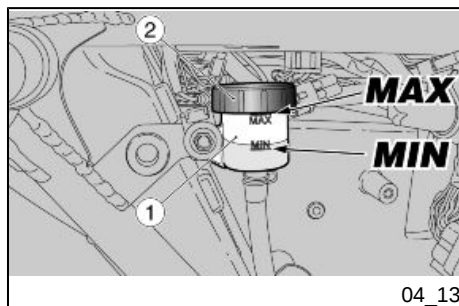
If the fluid does not reach at least the "**MIN.**" mark:

IMPORTANT

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

- Check the brake pads and discs for wear.

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



04_13

REAR BRAKE

CHECKING

- Remove the right side fairing.
- Keep the vehicle vertical, so that the liquid contained in the reservoir (1) is parallel to the cap (2).
- Check that the liquid contained in the tank exceeds the "**MIN**" mark.

MIN= minimum level

MAX= maximum level

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

IMPORTANT

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

- Check the brake pads and discs for wear.

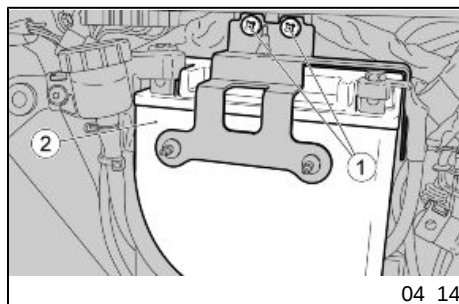
If the pads and/or the disc do not need replacing, add fluid.

Braking system fluid top up**IMPORTANT**

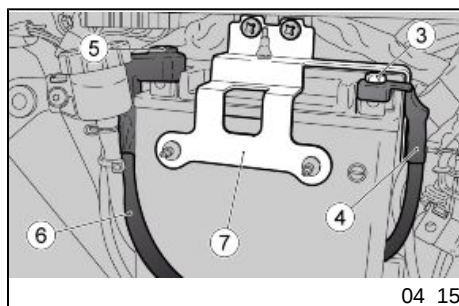
TO TOP UP THE BRAKE SYSTEM FLUID CONTACT AN Official Moto Guzzi Dealer.

Use of a new battery (04_14, 04_15)

REMOVAL OF THE BATTERY WILL RESET THE DIGITAL CLOCK.



- 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 anchoring bracket (7)
- Firmly hold of the battery (2) and remove it from its housing.

IMPORTANT



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

- Place the battery on a flat surface, in a cool and dry place.
- Position the fixing clamp (2) and replace the screws (1).
- Replace the left side fairing.
- Replace the rider's saddle.

IMPORTANT

WHEN REPLACING, CONNECT THE CABLE WITH THE POSITIVE LEAD (+) FIRST, AND THEN THE NEGATIVE (-).

IMPORTANT

TO INSTALL A NEW BATTERY, FOLLOW THE STEPS DESCRIBED IN REVERSE ORDER.



MAKE SURE THAT THE LEADS OF THE CABLES AND THE BATTERY TERMINALS ARE:

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

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.
- Equip yourself with a suitable battery charger.
- Set up the battery charger for the indicated type of recharging.
- Connect the battery to the battery charger.

IMPORTANT

WHEN RECHARGING OR USING THE BATTERY, BE CAREFUL TO DO SO IN AN ADEQUATELY VENTILATED SPACE. DO NOT BREATHE GASES RELEASED WHEN THE BATTERY IS RECHARGED.

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.
- Make sure that the leads of the cables and the battery terminals are:
 - in good condition (not corroded or covered by deposits);
 - covered with neutral grease or petroleum jelly.

Fuses (04_16, 04_17, 04_18, 04_19)

IMPORTANT

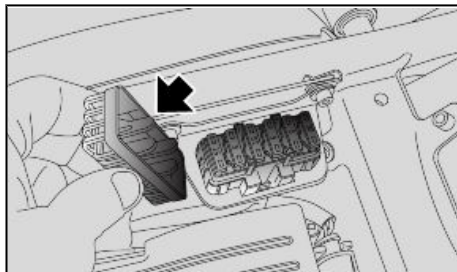


NEVER ATTEMPT TO REPAIR FAULTY FUSES.

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

NOTE

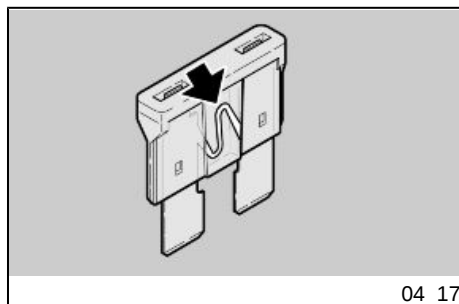
WHEN A FUSE KEEPS BLOWING FREQUENTLY, THERE MAY BE A SHORT CIRCUIT OR OVERLOADING. IN THIS CASE CONSULT AN Official Moto Guzzi Dealership.



04_16

To check:

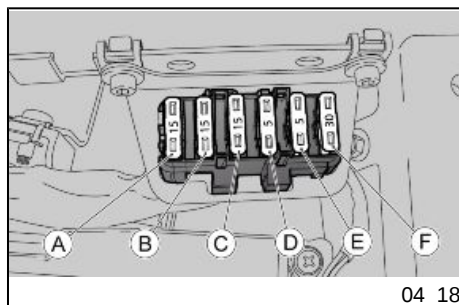
- Position the ignition switch to "OFF", in order to avoid an accidental short circuit.
- Remove the saddle.
- Remove the cover of the fuse box.
- Remove one fuse at a time and check if the filament is broken.
- Before replacing the fuse, find and solve, if possible, the cause of the problem.
- If the fuse is damaged, replace it with one of the same amperage.



04_17

NOTE

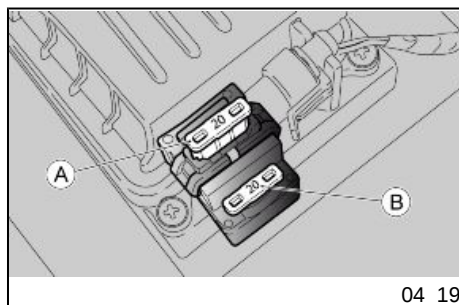
WHEN YOU USE ONE OF THE SPARE FUSES, REMEMBER TO ADD A NEW ONE OF EQUAL RATING TO THE FUSE BOX.



04_18

FUSE PLACEMENT

- A) Stop, parking lights, horn (15 A).
- B) GPS set-up, Low beam/high beam lights, passing, USB, bluedash (15 A).
- C) Control unit, engine kill, start relay, instrument panel, charge injection relay (15 A).
- D) (battery positive) Instrument panel, turn signals, bluedash (5 A).
- E) (battery positive) ECU MIU G3 (5 A).
- F) Main fuse, coil 1 and 2, injectors 1 and 2, lambda probe 1 and 2 (30 A).



04_19

ARRANGEMENT OF ABS FUSES

- A) Control unit ABS (20 A).
- B) Spare fuses (20 A).

Lights (04_20, 04_21, 04_22)

IMPORTANT



BEFORE REPLACING A BULB, TURN THE IGNITION SWITCH TO "OFF" AND WAIT A FEW MINUTES SO THAT THE BULB COOLS 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.

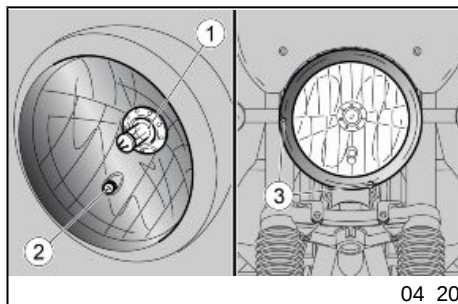
BULB LOCATIONS

The front light contains:

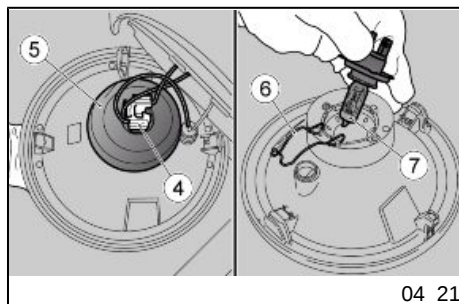
- one high beam/low beam bulb (1) (upper);
- one parking light bulb (2) (lower);

REPLACEMENT OF THE FRONT HEADLIGHT BULB

- Place the vehicle on the stand.
- Remove the entire reflector including the headlight body, unscrewing the screw (3).



04_20



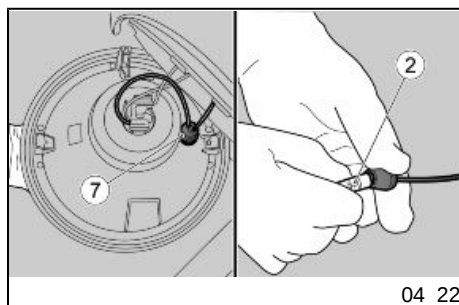
HIGH BEAM/LOW BEAM LIGHT BULB

- Grasp the bulb's electric connector (4), pull it out and disconnect it from the bulb.
- Using the hands, move the casing (5) aside.
- Unhook the two ends of the retaining spring (6), located in the bulb holder.
- Remove the bulb (1) from its housing.

NOTE

INSERT THE BULB INTO THE BULB HOLDER, MAKING THE POSITIONING SEATS COINCIDE.

- Correctly install a bulb of the same type.



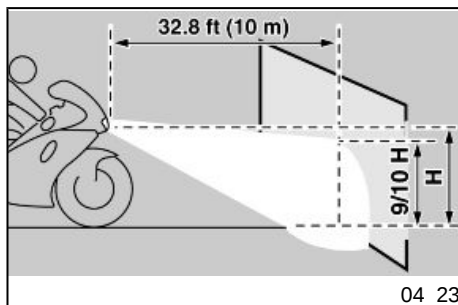
POSITION LIGHT BULB

- Grasp the position light holder (7), pull and remove it from its housing.
- Slide out the bulb (2) and replace it with one of the same type.
- Check that the bulb was correctly inserted in the bulb holder.

Headlight adjustment (04_23, 04_24)

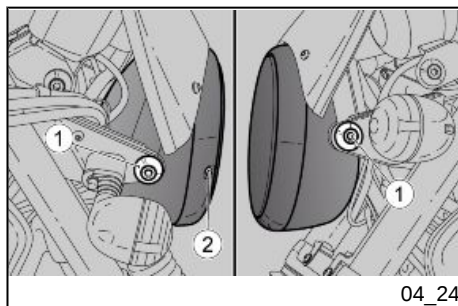
NOTE

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



A quick procedure to check the correct adjustment of the front light beam:

- Place the vehicle 32.8 ft (10 m) from a vertical wall, making sure that the ground is level.
- Turn on the low beam light, sit on the motorcycle and check that the light beam projected to the wall is a little below the headlight horizontal straight line (about 9/10 of the total height).



To adjust the height of the vertical light beam:

- Place the vehicle on the center stand.
- Slightly loosen the screws (1) from the headlight retainer, and manually adjust the light beam to its desired position.
- Once adjustment is completed, tighten the screws (1).

At the end of the adjustment:

NOTE

CHECK THAT THE LIGHT BEAM IS CORRECTLY POSITIONED VERTICALLY.

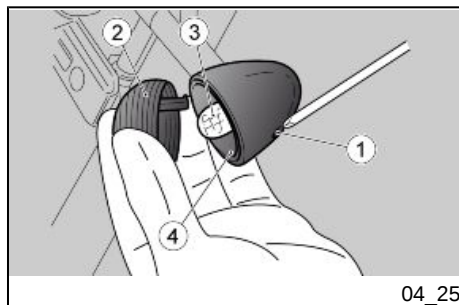
To set the horizontal placement of the light beam:

- Place the vehicle on the center stand.
- Working on the screw (2), adjust the orientation of the light beam.

At the end of the adjustment:

NOTE

CHECK THAT THE LIGHT BEAM IS CORRECTLY POSITIONED HORIZONTALLY.



Front direction indicators (04_25)

- Place the vehicle on the stand.
- Unscrew and remove the screw (1).

NOTE

WHEN REMOVING THE PROTECTIVE LENS, USE CAUTION IN ORDER TO AVOID BREAKING THE LOCATING PEG.

- Remove the protective cover (2).

IMPORTANT

WHEN REASSEMBLING, CORRECTLY POSITION THE COVER IN ITS RELEVANT HOUSING.

TIGHTEN THE SCREW (1) WITH CAUTION AND MODERATION IN ORDER TO AVOID DAMAGING THE PROTECTIVE COVER.

- Press carefully on the bulb (3) and turn it counterclockwise.
- Remove the bulb (3) from its housing.

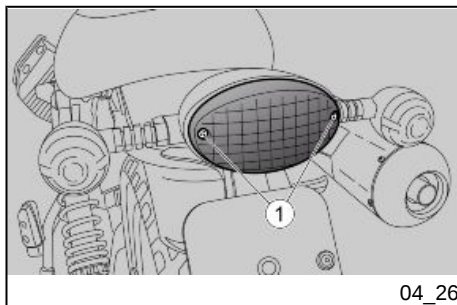
NOTE

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

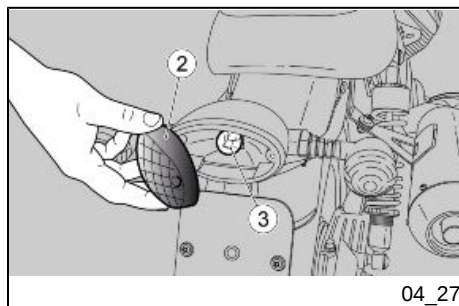
- Correctly install a bulb of the same type.

NOTE

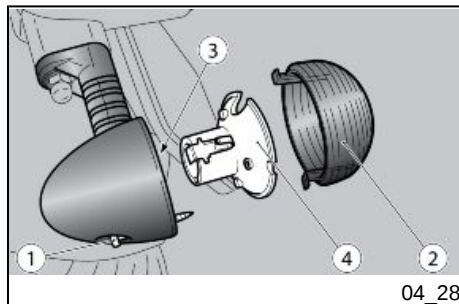
**IF THE BULB HOLDER «4» COMES OUT OF ITS HOUSING, CORRECTLY REIN-
SERT IT, SO THAT THE OPENING OF THE BULB HOLDER COINCIDES WITH
THE SCREW HOUSING.**

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

- Place the vehicle on the 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 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).



04_27



04_28

Rear turn signals (04_28)

- Place the vehicle on the stand.
- Unscrew and remove the screw (1).

NOTE

WHEN REMOVING THE PROTECTIVE LENS, USE CAUTION IN ORDER TO AVOID BREAKING THE LOCATING PEG.

- Remove the protective cover (2).

IMPORTANT

WHEN REASSEMBLING, CORRECTLY POSITION THE COVER IN ITS RELEVANT HOUSING.

TIGHTEN THE SCREW (1) WITH CAUTION AND MODERATION IN ORDER TO AVOID DAMAGING THE PROTECTIVE COVER.

- Press carefully on the bulb (3) and turn it counterclockwise.

- Remove the bulb (3) from its housing.

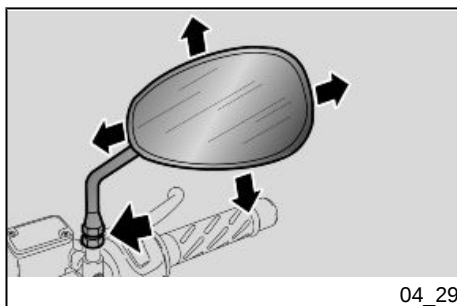
NOTE

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

- Correctly install a bulb of the same type.

NOTE

IF THE BULB HOLDER «4» COMES OUT OF ITS HOUSING, CORRECTLY REINSERT IT, SO THAT THE OPENING OF THE BULB HOLDER COINCIDES WITH THE SCREW HOUSING.

**Rear-view mirrors (04_29, 04_30)**

DO NOT RIDE WITH THE REARVIEW MIRRORS IMPROPERLY SET.

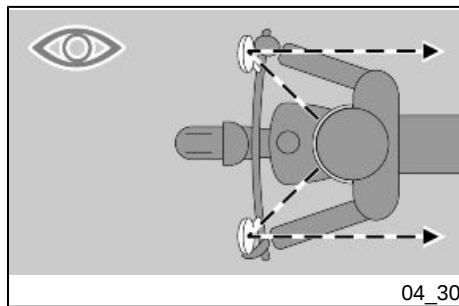
ALWAYS MAKE SURE THAT THEY ARE CORRECTLY SET BEFORE HEADING OFF.

To remove the rearview mirrors:

- Place the vehicle on the stand.
- Loosen the locknut.



WHEN REMOUNTING ENSURE THAT THE MIRROR SUPPORT ROD IS CORRECTLY POSITIONED IN LINE WITH THE HANDLEBARS BEFORE TIGHTENING THE LOCKNUT.



- Slide up and remove the complete rearview mirror unit.

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

Adjustment of the rearview mirrors:

- Get onto the vehicle in riding position.
- Turn the mirror and adjust it to the correct inclination.

Repeat this operation to adjust the other rearview mirror.

- Check that there are no deposits of dirt or mud.

Front and rear disc brake (04_31, 04_32)

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 RID-

ING. 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.

Your vehicle includes disc brakes with separate braking systems.

The front brake is equipped with two discs, one on the right and one of the left of the front wheel. The rear brake is equipped with only one disc positioned on the right side of the rear wheel. The following information may refer to a single brake system, but it is valid for both braking systems.



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 SOILS THE PADS, LEADING TO LOSS OF BRAKING.

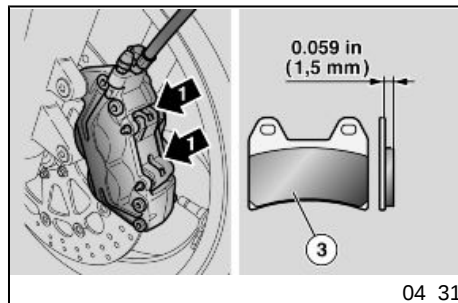
DIRTY PADS MUST BE REPLACED, WHILE THE DIRTY DISC SHOULD BE CLEANED USING A HIGH QUALITY DEGREASING PRODUCT.

IMPORTANT

CONTACT AN Official Moto Guzzi Dealership TO REMOVE THE REAR WHEEL.

IMPORTANT

CHECK BRAKE PADS FOR WEAR ESPECIALLY BEFORE A TRIP.

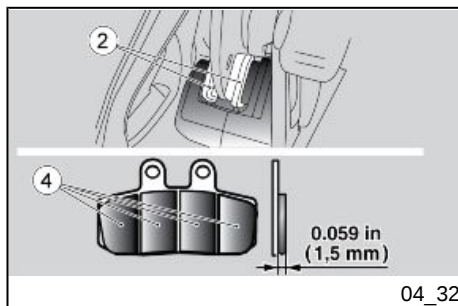


This is a quick inspection procedure to determine brake pad wear:

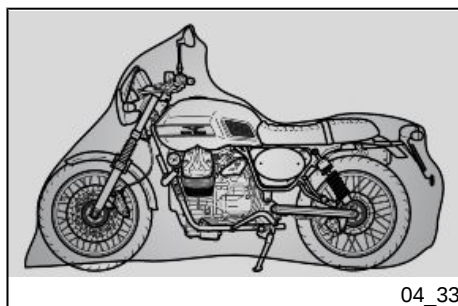
- Place the vehicle on the stand.
- Visually check the disc and brake pads, looking:
 - from above and behind, for the front brake caliper (1);
 - from under and behind, for the rear brake caliper (2).

IMPORTANT

IF BRAKE PADS WERE ALLOWED TO WEAR DOWN UNTIL UNCOVERING THE METAL SUBSTRATE, METAL-TO-METAL CONTACT WITH THE BRAKE DISC WOULD LEAD TO RATTLE AND THE BRAKE CALIPER SPARKING. THIS WOULD RESULT IN LOSS OF BRAKING AND BRAKE DISC DAMAGE, CAUSING A DANGEROUS RIDING CONDITION.



If the thickness of the pad friction material (even only the front pad (3) or the rear (4)) is reduced to **0.059 in (1.5 mm)** (or if even one of the wear indicators is no longer visible), have all of the brake caliper pads replaced at an **Official Moto Guzzi Dealership**.



Periods of inactivity (04_33)

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.

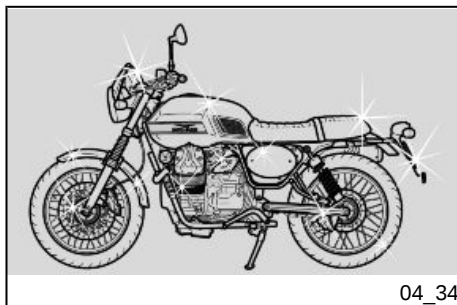
- Uncover and clean the vehicle.
- Check that the battery charge is OK and fit it.
- Refill the fuel tank.
- Carry out the preliminary checks.

IMPORTANT

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

Cleaning the vehicle (04_34, 04_35, 04_36)**IMPORTANT**

DEAR CUSTOMER, WE ARE PLEASED TO INFORM YOU THAT MOTO GUZZI V7 II STORNELLO IS CUSTOMIZED WITH SOME NOTABLY PRECIOUS PARTS. THE EXCLUSIVITY WITH WHICH THE MOTORCYCLE IS MADE REQUIRES PARTICULAR ATTENTION IN ITS USE AND CLEANING AND UPKEEP OF THE AESTHETIC COMPONENTS AND MUDGUARD MUST BE SPECIFICALLY CARED FOR.



04_34

Clean the vehicle frequently when it is exposed to adverse conditions, such as:

- Pollution (cities and industrial areas).
- Salinity and humidity in the air (seaside areas and hot, damp climate).
- Particular environmental/seasonal conditions (salt and anti-ice chemical products spread over the roads in wintertime).
- Make sure to clean off any industrial residue and pollutants, tarmac, dead insects, bird droppings etc. from the vehicle fairings.
- Avoid parking the vehicle under trees. Resins, fruits or leaves falling from trees may contain aggressive chemical substances that may damage the paintwork.

IMPORTANT



CLEAN THE PANEL USING A SOFT, IN WATER SOAKED CLOTH.

IMPORTANT

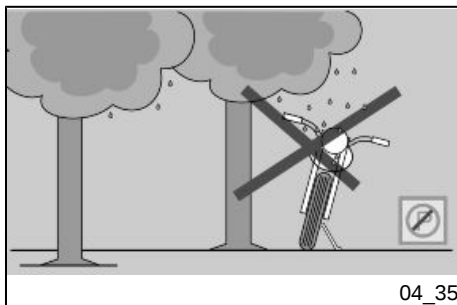


BEFORE WASHING THE VEHICLE, COVER THE ENGINE AIR INTAKES AND THE EXHAUST PIPES.

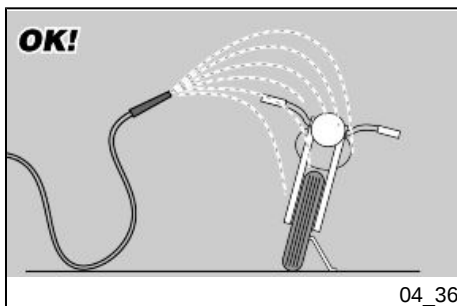
IMPORTANT



AFTER CLEANING YOUR MOTORCYCLE, BRAKING EFFICIENCY MAY BE TEMPORARILY AFFECTED DUE TO THE PRESENCE OF WATER ON THE FRICTION SURFACES OF THE BRAKING CIRCUIT. TO AVOID ACCIDENTS, DO NOT FORGET THAT BRAKING DISTANCE WILL BE LONGER. BRAKE REPEATEDLY TO RESTORE NORMAL OPERATION. CARRY OUT THE PRELIMINARY CHECKS.



04_35



04_36

To clean off dirt and mud deposited from painted surfaces, soften caked dirt with a low-pressure water jet. Sponge off using a car body sponge soaked in a car body 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.



TO CLEAN THE HEADLIGHTS USE A SPONGE SOAKED IN WATER AND MILD DETERGENT, RUBBING THE SURFACE GENTLY AND RINSING FREQUENTLY WITH PLENTY OF WATER. WASH THE VEHICLE THOROUGHLY BEFORE APPLYING SILICONE WAX. DO NOT POLISH MATTE-PAINTED SURFACES WITH POLISHING PASTE. THE VEHICLE SHOULD NEVER BE WASHED IN DIRECT SUNLIGHT, ESPECIALLY DURING SUMMER, WITH THE BODYWORK STILL HOT, AS THE SHAMPOO CAN DAMAGE THE PAINTWORK IF IT DRIES BEFORE BEING RINSED OFF.

IMPORTANT

NEVER USE CLOTHS SOAKED IN GASOLINE, DIESEL OR OIL WHEN WASHING PAINTED OR PLASTIC SURFACES TO PREVENT THEM LOSING THEIR SHEEN OR THEIR MECHANICAL PROPERTIES BEING ALTERED.

IMPORTANT

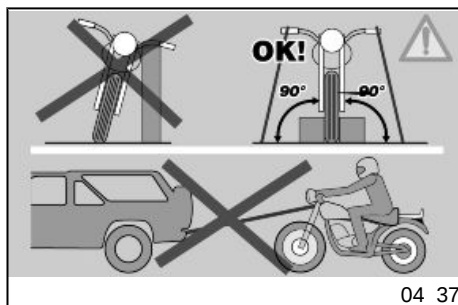
SHOULD THE SPOKED TIRES BECOME EXCESSIVELY DULL, THE PREVIOUS SHINE CAN BE RESTORED USING A SUITABLE POLISH.

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 AT THE FOLLOWING PARTS: WHEEL HUBS, CONTROLS ON THE RIGHT AND LEFT SIDE OF THE

HANDLEBAR, BEARINGS, BRAKE PUMPS, INSTRUMENTS AND INDICATORS, SILENCER, IGNITION SWITCH/STEERING LOCK. DO NOT CLEAN ANY RUBBER OR PLASTIC COMPONENTS WITH ALCOHOL OR SOLVENTS: USE WATER AND MILD SOAP ONLY.



Transport (04_37)

NOTE



BEFORE TRANSPORTING THE VEHICLE, THE FUEL TANK SHOULD BE EMP-TIED, AS WELL AS THE CARBURETOR, CHECKING TO SEE THAT THESE ARE COMPLETELY DRY.

DURING THE TRANSFER, THE VEHICLE MUST REMAIN SOLIDLY ANCHORED IN A VERTICAL POSITION AND THE FIRST GEAR MUST BE ENGAGED; IN THIS WAY, GASOLINE, OIL, AND COOLANT SPILLS CAN BE AVOIDED.

IF STRANDED, DO NOT HAVE THE VEHICLE TOWED. CONTACT A ROAD AS-SISTANCE SERVICE IN ORDER TO DRAIN INFLAMMABLE FLUIDS.

V7 II Stornello



Chap. 05
Technical data

DIMENSIONS AND WEIGHT

Max. length	88.19 in (2,240 mm)
Max. width	31.50 in (800 mm)
Max height	46.46 in (1,180 mm)
Center to center distance	57.09 in (1,450 mm)
Minimum ground clearance	7.05 in (179 mm)
Kerb weight	436 lb (198 Kg)

ENGINE

Type	90° V-Twin, 4-stroke
Number of cylinders	2
Engine capacity	45.40 cu in (744 cc)
Bore / stroke	3.14x2.91 in (80x74 mm)
Compression ratio	10.5 ± 0.5 : 1
Electric	Electric starter
Engine idling speed	1,250 +/- 100 (rpm)

Clutch	single disc dry clutch with flexible couplings
Lubricating system	Pressure system regulated by valves and trochoidal pump
Air filter	cartridge, dry
Cooling	air

TRANSMISSION

Type	Mechanical, 6 gears with pedal lever on the left hand side of the engine
------	--

CAPACITY'

Fuel tank capacity (reserve included)	5.55 US gal (4.62 UK gal; 21 l)
Fuel tank reserve	1.06 US gal (0.88 UK gal; 4 l)
Engine oil	Oil change and oil filter 122.05 cu in (2,000 cc)
Transmission oil	30.51 cu in (500 cc)
Transmission fluid	10.37 cu in (170 cc)

Seats	2
Maximum vehicle load	884.05 lb (401 Kg) (vehicle in running order + rider + passenger + baggage)

TRANSMISSION

Primary drive	geared, ratio 18 / 23 = 1 : 1.277
1st gear shift ratio	14 / 37 = 1 : 2.642
2nd gear shift ratio	18 / 32 = 1 : 1.777
3rd gear shift ratio	21 / 28 = 1 : 1.333
4th gear shift ratio	24 / 26 = 1 : 1.083
5th gear shift ratio	25 / 24 = 1 : 0.96
6th gear shift ratio	27 / 24 = 1 : 0.888
Final transmission	shaft, ratio 8 / 33 = 1 : 4.125

FUEL SUPPLY

Type	Electronic injection (Marelli MIU G3)
Diffuser	diam. 1.50 in (38 mm)

Fuel	Unleaded fuel max E10 (95 R.O.N.)
------	-----------------------------------

CHASSIS

Type	Double cradle, dismantable, in high tensile strength tubular steel
Steering inclination angle	27.5°
Trail	4.61 in (117 mm)

SUSPENSION

Front	Hydraulic telescopic fork diam. 1.57 in (40 mm)
Stroke	5.39 in (137 mm)
Rear	Oscillating swingarm in pressure die-casted light alloy with two adjustable shock absorbers in spring preloading
Stroke	3.35 in (85 mm)

BRAKES

Front	stainless steel floating disc brake, diameter 12.59 in (320 mm.) 4 paired differentiated calipers
Rear	stainless steel disc brake diameter 10.24 in (260 mm), floating 2 calipers 0.87 in (22 mm) diameter

WHEEL RIMS

Type	Radial alloy channel for tires with inner tubes
Front	2.5"x18"
Rear	3.50 x 17"

TIRES

Tire model	Golden Tyre - Front GT 260 Golden Tyre - Rear GT 201 Alternatively: Pirelli Sport Demon
Front (standard)	100 / 90 - 18 56H

Front (alternative measures)	100 / 90 - V18 56V
Front (inflation pressure)	34.81 PSI (240 kPa) (2.4 bar)
Front (tire pressure with passenger)	34.81 PSI (240 kPa) (2.4 bar)
Rear (standard)	130 / 80 - R17 65H
Rear (alternative measures)	130 / 80 - 17 65H 130 / 80 - 17 67H 130 / 80 - V17 67V
Rear (inflation pressure)	37.71 PSI (260 kPa) (2.6 bar)
Rear (tire pressure with passenger)	37.71 PSI (260 kPa) (2.6 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	5 (2) - 15 (3) - 20 - 30 A

Permanent wound-magnet generator	12V - 270W
----------------------------------	------------

BULBS

Low beam/high beam light (halogen)	12 V - 55 W / 60 W H4
Front daylight running light	12V - 5W
Turn signals light	12 V - 10 W (RY 10 W orange bulb)
Rear parking light/stop light bulb	12 V - 5 / 21 W
Instrument panel illumination	LED

WARNING LIGHTS

Neutral indicator	LED
Turn signals	LED
Gasoline reserve	LED
High beam light	LED
Engine oil pressure	LED
MI warning light	LED
ABS warning light	LED

MGCT warning light	LED
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V7 II Stornello



Chap. 06
Scheduled
maintenance



06_01

Scheduled servicing table (06_01)

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

For this reason Moto Guzzi has designed a series of checks and maintenance services available for payment, listed together in the chart on the following page. It is a good idea to report small performance anomalies right away to an **Authorized Moto Guzzi Dealership or other Dealer**, without waiting for the next scheduled service, so they can be repaired immediately.

It is a must to perform your scheduled services at the appropriate mileage or time periods recommended, as soon as the mileage or time is reached. Carrying out scheduled services on time is necessary to ensure your warranty remains valid. For any other information concerning Warranty procedures and Scheduled Maintenance, please refer to the Warranty Booklet.

NOTE

HALVE MAINTENANCE INTERVALS IF YOU ARE RIDING IN RAINY OR DUSTY AREAS, ON ROUGH ROADS, OR IF THE MOTORCYCLE IS USED IN COMPETITIONS.

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

V: CHECK AND CLEAN, ADJUST AND REPLACE IF NECESSARY

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

(1) Replace in case of leaks.

(2) Replace every 2 years or 12427.42 mi (20000 km).

(3) Replace every 4 years.

(4) At each start up.

- (5) Check every month.
- (6) Check every 1864.11 mi (3000 km)
- (7) Check and clean, adjust, and replace if necessary, every 621.37 mi (1000 km)
- (8) Replace when the first of the two following options is reached: 24854.85 mi (40000 km) or 4 years

SCHEDULED MAINTENANCE TABLE

mi x 1.000 (km x 1.000)	0.6 (1)	6.2 (10)	12.4 (20)	18.6 (30)	24.9 (40)	31.1 (50)	37.3 (60)
Spark plugs		R	R	R	R	R	R
Transmission and command cables	I	I	I	I	I	I	I
Steering bearings and free play	I	I	I	I	I	I	I
Wheel bearings		I	I	I	I	I	I
Diagnosis by tool	I	I	I	I	I	I	I
Brake discs	I	I	I	I	I	I	I
Air filter		R	R	R	R	R	R
Transmission oil filter	C						C
Engine oil filter	R	R	R	R	R	R	R
Lights - Operation /orientation		I	I	I	I	I	I
General motorcycle performance	I	I	I	I	I	I	I
Brake system	I	I	I	I	I	I	I
Light system	I	I	I	I	I	I	I
Safety switches	I	I	I	I	I	I	I

mi x 1.000 (km x 1.000)	0.6 (1)	6.2 (10)	12.4 (20)	18.6 (30)	24.9 (40)	31.1 (50)	37.3 (60)
Brake fluid (2)	I	I	I	I	I	I	I
Transmission oil	R						R
Fork oil (8)					R		
Motor oil (6)	R	R	R	R	R	R	R
Final transmission fluid	R		R		R		R
Fork oil seal (1)	I	I	I	I		I	I
Tires - pressure/wear (5)	I	I	I	I	I	I	I
Valve free play adjustment	A	A	A	A	A	A	A
Wheels	I	I	I	I	I	I	I
Nuts and bolts tightening torque	I	I	I	I	I	I	I
Battery leads tightening torque	I						
Cylinder heads tightening torque	A						
Suspension and frame	I		I		I		I
Engine oil pressure warning light (4)							
Filter box drain plug	C	C	C	C	C	C	C
Fuel hoses (3)		I	I	I	I	I	I
Brake tubes		I	I	I	I	I	I
Clutch wear		I	I	I	I	I	I
Brake pad wear (7)	V	V	V	V	V	V	V



06_02

Table of recommended products (06_02)

Piaggio & C. S.p.A. prescribes **eni** products for the scheduled maintenance of its vehicles

RECOMMENDED PRODUCTS TABLE

Product	Description	Specifications
ENI i-RIDE PG 10W-60	Lubricant formulated with top synthetic technology containing high performance additives in order to meet the needs of specific high power 4-stroke motorcycle engines.	JASO MA, MA2 - API SG
AGIP GEAR MG SAE 85W-140	Transmission fluid	API GL-4 and GL-5
ENI ROTRA LSX 75W-90	Transmission oil	API GL-5
AGIP FORK 7.5W	Fork oil	SAE 5W / SAE 20W
AGIP GREASE SM 2	Grey black color grease with pasty aspect containing molybdenum disulfide.	-
Neutral grease or petroleum jelly.	Battery poles	
AGIP BRAKE 4	Brake fluid	Synthetic fluid SAE J 1703 -FMVSS 116 - DOT 3/4 - ISO 4925 - CUNA NC 956 DOT 4

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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.it

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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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