

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.

Breva V1100



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.

INDEX

GENERAL RULES.....	7	Owner's Warranty Responsibilities.....	32
Foreword.....	8	VEHICLE.....	37
Carbon Monoxide.....	8	Arrangement of the Main Components.....	39
Fuel.....	9	Dashboard.....	41
Hot Components.....	10	Analog Instrument Panel.....	42
Start Off and Riding.....	10	Light Unit.....	44
Warning Lights.....	11	Setting the chronometer function.....	44
Used Engine Oil and Gearbox Oil.....	12	Control Buttons.....	47
Brake and Clutch Fluid.....	12	Advanced Functions.....	49
Battery Hydrogen Gas and Electrolyte.....	13	Ignition Switch.....	57
Stand.....	14	Locking the Handlebar.....	58
General Precautions and Warnings.....	14	Parking lights.....	58
Reporting of defects that affect safety.....	15	Horn Button.....	59
Road Regulations and Use of the Motorcycle.....	17	Turn Signal Selector.....	59
Noise Emission Warranty.....	18	High/Low Beam Selector.....	60
Tampering.....	19	Passing Button.....	60
Problems that May Affect the Motorcycle Emissions.....	20	Flasher button.....	61
Label 1.....	22	Start-up Button.....	61
Label 2.....	23	Engine Stop Switch.....	62
Label 3.....	23	ABS system.....	63
Label 4.....	24	Opening the saddle.....	65
Label 5.....	24	Glove/tool kit compartment.....	66
Label 6.....	24	The identification.....	67
Label 7.....	25	Luggage anchor point.....	68
Label 8.....	25	USE.....	69
Label 9.....	26	Checks.....	70
Label 10.....	26	Refueling.....	74
Label 11.....	27	Rear shock absorbers adjustment.....	77
Label 12.....	28	Front Fork Adjustment.....	79
Label 13.....	28	Front brake lever adjustment.....	80
California evaporative emission system.....	29	Clutch lever adjustment.....	81
Your Warranty Rights and Obligations.....	30	Running-In.....	81
Manufacturer's Warranty Coverage.....	31	Parking.....	82

Catalytic silencer.....	83	Index accessoires.....	164
Stand.....	84	Heated handgrips.....	165
Suggestion to prevent theft.....	85	Center stand.....	165
Safe riding.....	85		
Basic safety rules.....	100		
MAINTENANCE.....	105		
Foreword.....	106		
Engine oil level.....	106		
Engine oil level check.....	108		
Engine Oil Top Off.....	109		
Engine oil change.....	110		
Universal joint oil level.....	112		
Gearbox oil level.....	112		
Tires.....	113		
Spark plug removal.....	115		
Checking the brake fluid level.....	118		
Checking clutch fluid.....	118		
Topping up clutch fluid.....	120		
Use of a new battery.....	122		
Electrolyte level check.....	123		
Charging the Battery.....	123		
Long periods of inactivity.....	124		
Fuses.....	125		
Lights.....	130		
Headlight adjustment.....	133		
Front direction indicators.....	134		
Rear lights.....	135		
Rear turn signals.....	135		
License plate light.....	135		
Rear-view mirrors.....	136		
Front and rear disc brake.....	137		
Periods of inactivity.....	140		
Cleaning the vehicle.....	141		
Transport.....	144		
TECHNICAL DATA.....	147		
Toolkit.....	154		
SCHEDULED MAINTENANCE.....	155		
Scheduled servicing table.....	156		
SPECIAL FITTINGS.....	163		

Breva V1100



Chap. 01
General rules

Foreword

NOTE

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

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

Thank you for choosing **Moto Guzzi**.

We wish you a pleasant ride!

This use and maintenance manual is copyright protected in all countries, and total or partial reproduction by any print or electronic means is strictly prohibited.

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

IMPORTANT

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

Fuel

Keep gasoline well out of the reach of children. Gasoline is toxic. Do not use your mouth to siphon the gasoline. Avoid gasoline coming into contact with your skin. If you accidentally come into contact with gasoline, change your clothes immediately and rinse the area where the gasoline was spilled with warm water and soap. If you accidentally swallow gasoline, do not induce vomiting. Drink plenty of clean water or milk and immediately seek medical assistance.

If gasoline comes into contact with your eyes, rinse thoroughly with clean, fresh water and immediately seek medical assistance.

IMPORTANT

GASOLINE IS HIGHLY INFLAMMABLE AND CAN BE EXPLOSIVE IN CERTAIN CONDITIONS.

KEEP GASOLINE OUT OF THE REACH OF CHILDREN.

Hot Components**IMPORTANT**

THE ENGINE AND ALL THE COMPONENTS OF THE EXHAUST SYSTEM, AS WELL AS THE BRAKING SYSTEM, BECOME VERY HOT AND REMAIN HOT EVEN AFTER SHUTTING OFF THE VEHICLE AND THE ENGINE. BEFORE HANDLING ANY COMPONENT OF THE VEHICLE AFTER RIDING, MAKE SURE IT HAS COOLED DOWN SUFFICIENTLY TO BE HANDLED.

Start Off and Riding**IMPORTANT**

IF DURING YOUR RIDE, THE GASOLINE LIGHT ON YOUR INSTRUMENT CLUSTER LIGHTS UP, IT MEANS THAT THE AMOUNT OF REMAINING FUEL IS REDUCED AND THE RANGE IS LIMITED.

YOU SHOULD REFUEL YOUR VEHICLE AS SOON AS POSSIBLE.

Warning Lights



IF THE ALARM LIGHT AND THE WORDS "SERVICE" LIGHT UP WHILE THE ENGINE IS FUNCTIONING NORMALLY, THIS 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 ALARM LIGHT AND THE TEXT ON THE ENGINE OIL PRESSURE DISPLAY REMAIN ON OR TURN ON WHEN THE ENGINE IS WORKING NORMALLY, THIS MEANS THERE IS NOT ENOUGH OIL PRESSURE IN THE CIRCUIT. IN THIS CASE THE ENGINE MUST BE SHUT OFF IMMEDIATELY IN ORDER TO PREVENT POSSIBLE DAMAGE.



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

Used Engine Oil and Gearbox Oil

IMPORTANT



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

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

WASH YOUR HANDS CAREFULLY AFTER HANDLING OIL.

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

DO NOT DISPOSE OF OIL IN THE ENVIRONMENT

KEEP OUT OF THE REACH OF CHILDREN.

Brake and Clutch Fluid

IMPORTANT



BRAKE FLUID IS EXTREMELY TOXIC: NEVER SWALLOW THE BRAKE FLUID. IF YOU ACCIDENTALLY SWALLOW THE BRAKE FLUID, DRINK PLENTY OF MILK OR CLEAN WATER AND IMMEDIATELY SEEK MEDICAL ASSISTANCE.

BRAKE FLUID IS HIGHLY IRRITATING TO THE SKIN AND EYES: IF YOU ACCIDENTALLY COME INTO CONTACT WITH BRAKE FLUID IMMEDIATELY CHANGE THE CONTAMINATED CLOTHES, IMMEDIATELY WASH WITH WARM WATER AND SOAP AND IMMEDIATELY SEEK MEDICAL ASSISTANCE.

KEEP BRAKE FLUID OUT OF THE REACH OF CHILDREN.

Battery Hydrogen Gas and Electrolyte

IMPORTANT



THE BATTERY RELEASES EXPLOSIVE GASES;; KEEP CIGARETTES AND SPARKS FAR AWAY FROM THE BATTERY. PROVIDE FOR ADEQUATE VENTILATION DURING THE USE OR RECHARGING OF THE BATTERY.

THE BATTERY CAN RELEASE HARMFUL GASES: DURING USE AND RECHARGING, MAKE SURE THAT THE AREA IS VENTILATED IN AN ADEQUATE MANNER, AND DO NOT INHALE THE GASES RELEASED DURING RECHARGING.

THE BATTERY CONTAINS SULFURIC ACID (ELECTROLYTE): CONTACT WITH SKIN OR EYES CAN CAUSE SERIOUS BURNS. ALWAYS WEAR PROTECTIVE CLOTHING, RUBBER GLOVES, AND A MASK OR SAFETY GLASSES WHEN WORKING WITH THE BATTERY, ESPECIALLY WHEN FILLING THE BATTERY WITH ELECTROLYTE OR WATER.

IN CASE OF CONTACT WITH THE SKIN: RINSE WITH LOTS OF WATER.

IN CASE OF CONTACT WITH THE EYES: RINSE WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. CONSULT A DOCTOR IMMEDIATELY.

ELECTROLYTE IS TOXIC: IN CASE OF ACCIDENTAL INGESTION OF ELECTROLYTE, DRINK A LARGE GLASS OF WATER OR MILK, FOLLOWED BY MILK OF MAGNESIA OR VEGETABLE OIL. CONSULT A DOCTOR IMMEDIATELY.

KEEP THE BATTERY AND ELECTROLYTE OUT OF REACH OF CHILDREN.

Stand



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

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

General Precautions and Warnings

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

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

LIST OF DEFECTS THAT COMPROMISE THE SAFETY

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

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

Additional information can be obtained by calling the specified number.

Reporting of defects that affect safety

GENERAL PRECAUTIONS AND INFORMATION

When repairs, disassembly and reassembly of the vehicle is carried out, follow the following recommendations strictly.

BEFORE DISASSEMBLING COMPONENTS

- Remove the dirt, mud, dust and foreign objects from the vehicle before disassembling components. Wherever required, use the special tools designed for this vehicle.

DISASSEMBLING COMPONENTS

- Do not loosen and/or tighten the screws and nuts using pliers or other tools, but always use the specific wrench.
- Mark the positions on all the connection joints (hoses, cables, etc.) before separating them and identify them with different distinctive marks.
- Each piece should be clearly marked in order to be identified during the installation phase.
- Carefully clean and wash the disassembled components with detergents with a low flammability grade.
- Keep the coupled parts together because they have "adapted" to one another following normal wear.
- Some components must be used together or replaced entirely.
- Keep away from heat sources.

REASSEMBLING THE COMPONENTS

IMPORTANT

THE BEARING MUST ROTATE FREELY, WITHOUT JAMMING AND/OR NOISE, OTHERWISE THEY MUST BE REPLACED.

- Only use ORIGINAL Moto Guzzi SPARE PARTS.
- Always use the recommended lubricants and consumable material.

- Lubricate the parts (when possible) before reassembling them.
- When tightening screws and nuts, begin with the larger diameter or internal ones, proceeding diagonally. Tighten with subsequent steps before applying the prescribed torque.
- Always replace the locknuts, gaskets, seal rings, snap rings, O-Rings (OR), cotter pins and screws if they have damaged thread, with new ones.
- When disassembling the bearings, lubricate them abundantly.
- Ensure that each component has been assembled correctly.
- After a repair or periodic maintenance operation, carry out the preliminary checks and test the vehicle on private property or in an area with light traffic.
- Clean all coupling surfaces, oil seal rims and gaskets before refitting them. Smear a light layer of lithium-based grease on the oil seal rims. Reassemble oil seals and bearings with the brand or lot number facing outward (visible side).

ELECTRICAL CONNECTORS

The electrical connectors should be disconnected as follows. Failure to observe these procedures will cause irreparable damage to the connector and the wiring:

If present, press on the specific safety catches.

- Grip the two connectors and unplug them, pulling them apart in opposite directions.
- If there is dirt, rust, moisture, etc., carefully clean the inside of the connector using pressurised air.
- Ensure that the cables make correct contact with the terminals inside the connectors.
- Then plug in the two connectors, ensuring correct coupling (if the specific catches are present, you will hear a typical "click").

IMPORTANT

TO UNPLUG THE TWO CONNECTORS, DO NOT PULL ON THE CABLES.

NOTE

THE TWO CONNECTORS CAN BE PLUGGED IN ONLY IN ONE DIRECTION, THEREFORE JOIN THEM TOGETHER IN THE RIGHT DIRECTION.

TIGHTENING TORQUES**IMPORTANT**

REMEMBER THAT THE TIGHTENING TORQUE FOR ALL THE FIXING ELEMENTS LOCATED ON WHEELS, BRAKES, WHEEL AXLES AND OTHER SUSPENSION COMPONENTS PLAY A FUNDAMENTAL ROLE IN GUARANTEEING THE SAFETY OF THE VEHICLE AND MUST BE KEPT AT THE PRESCRIBED VALUES. REGULARLY CHECK THE TIGHTENING TORQUE OF THE FIXING ELEMENTS AND ALWAYS USE A TORQUE WRENCH WHEN REFITTING. IF THESE WARNINGS ARE NOT OBSERVED, ONE OF THESE COMPONENTS COULD LOOSEN AND COME OFF, BLOCKING A WHEEL OR CAUSING OTHER PROBLEMS THAT WOULD COMPROMISE MANOEUVRABILITY, LEADING TO A CRASH WITH THE RISK OF SERIOUS INJURY OR EVEN DEATH.

Road Regulations and Use of the Motorcycle

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

IMPORTANT

THIS VEHICLE HAS BEEN DESIGNED TO BE USED ON ASPHALT ROADS ONLY. IT WAS NOT DESIGNED TO BE USED ON OFF-ROAD TRACKS, RACE CIRCUITS, OFF-ROAD OR FOR MOTOCROSS COMPETITIONS. DO NOT RIDE THIS VEHICLE ON UNEVEN SURFACES, DIRT OR GRAVEL ROADS. FAILURE TO FOLLOW THESE WARNINGS COULD LEAD TO A FALL WITH CONSEQUENT INJURIES, EVEN DEATH.

Noise Emission Warranty

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

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

257 Park Avenue South, 4th Floor,

New York, NY 10010

U.S.A.

Origin of the Emissions

IMPORTANT



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

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

Tampering

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

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

or

b) the use of vehicle after that device or component has been removed or rendered non-operational by anyone.

This tampering also includes the following:

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

b) Removal or perforation of any component of the intake system.

c) Inadequate maintenance.

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

e) Removal of the decals or warning labels concerning the emissions or the safe operation of the vehicle. **ANY DAMAGE RESULTING FROM THE REMOVAL OF THE DECALS AND/OR THE WARNING LABELS WILL NOT BE COVERED BY THE APRILIA LIMITED WARRANTY CONDITIONS FOR NEW VEHICLES.** Moreover, many countries could refuse to register a vehicle that does not have the necessary warning labels concerning the emissions and/or safety if these are not properly attached to the vehicle. The owner of the vehicle should bear in mind that Piaggio Group Americas, Inc. / Aprilia USA will not recognise any warranty if the vehicle or any of its components is damaged or faulty because of negligence, non-compliant maintenance, unauthorised modifications, use in organised or spontaneous races or in events like Track Days.

IMPORTANT

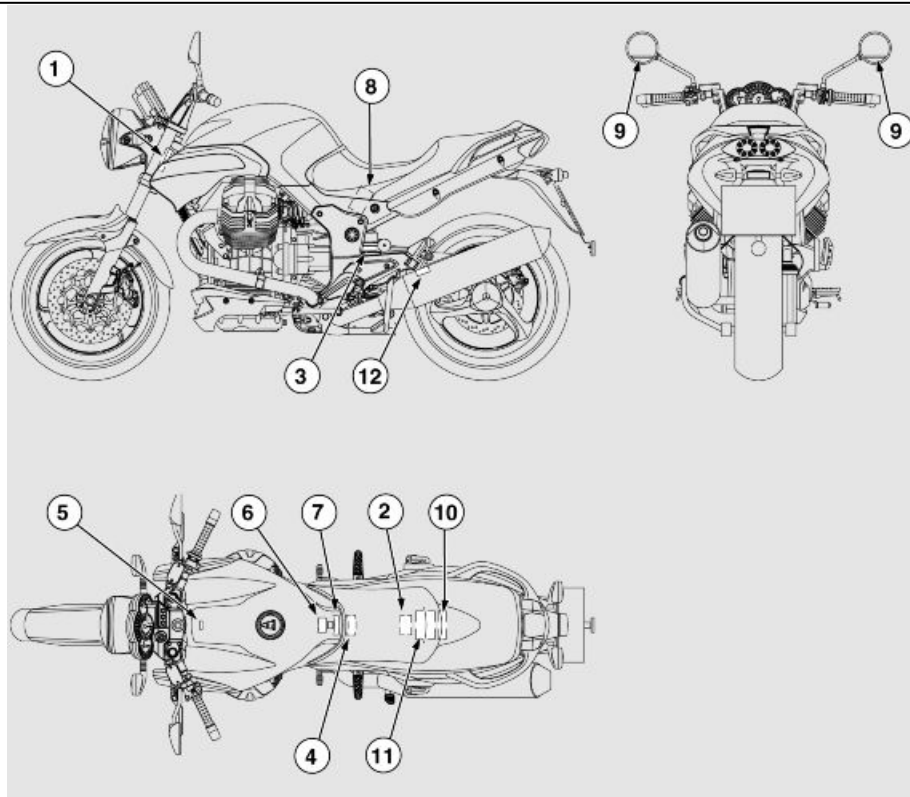
THIS PRODUCT SHOULD BE REPAIRED OR REPLACED IF THE NOISE FROM THE VEHICLE INCREASES SIGNIFICANTLY DURING USE. OTHERWISE, THERE WILL BE SANCTIONS IMPOSED AGAINST THE OWNER IN ACCORDANCE WITH STATE OR LOCAL LAWS.

Problems that May Affect the Motorcycle Emissions

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

Label 1 (01_02, 01_03)

☐ MFD BY MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A.		☐ GVWR ??? KG (??? LB) GAWR F. ??? KG (??? LB) WITH ???/?? - ??? TIRE AND 2.?? x ?? MT DOT RIM AT ??? KPA (?? PSI) COLD GAWR R. ??? KG (??? LB) WITH ???/?? - ??? TIRE AND 2.?? x ?? MT DOT RIM or ???/?? - ??? TIRE AND 2.?? x ?? MT DOT RIM AT ??? KPA (?? PSI)	
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			

USA

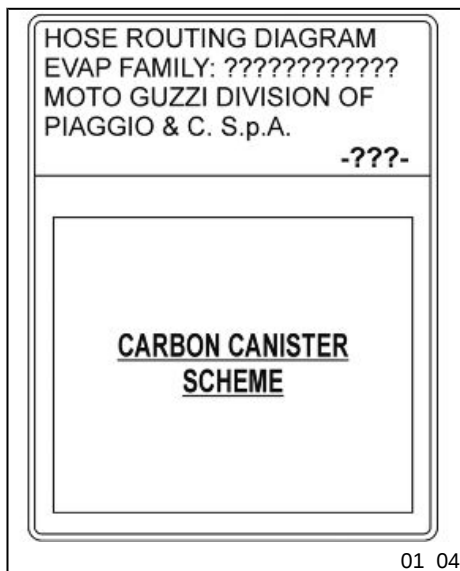
01_02

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

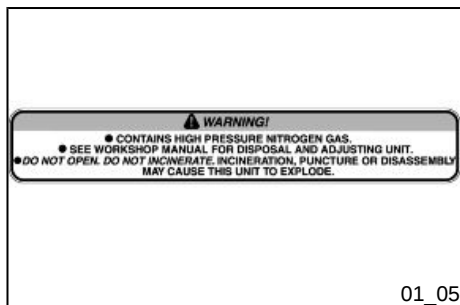
CDN

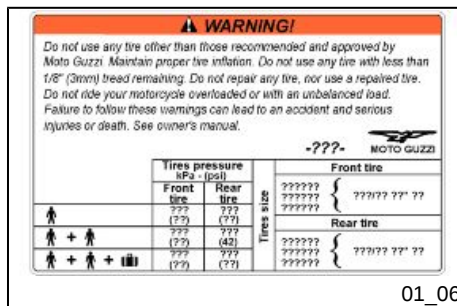
01_03

Label 2 (01_04)

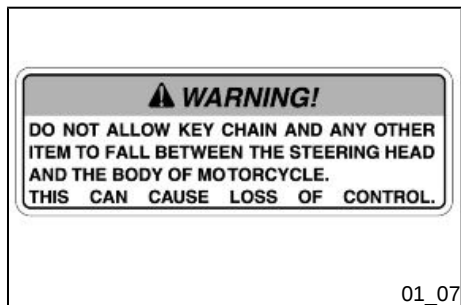


Label 3 (01_05)





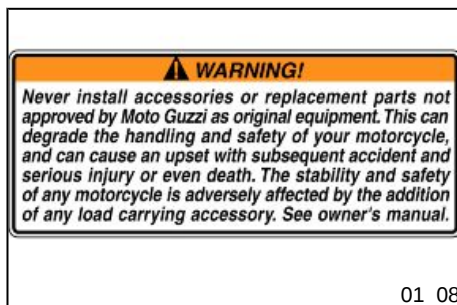
Label 4 (01_06)



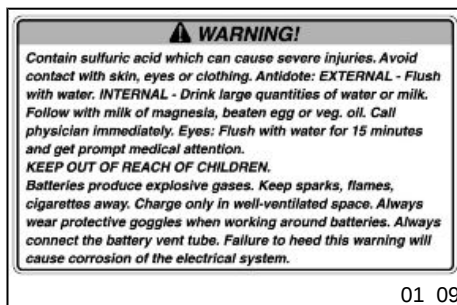
Label 5 (01_07)

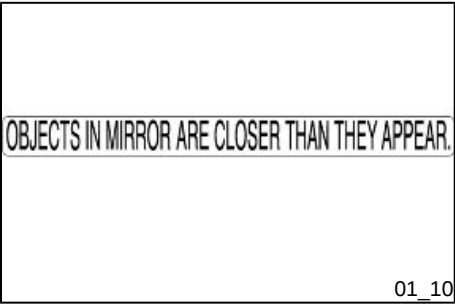
Label 6

Label 7 (01_08)

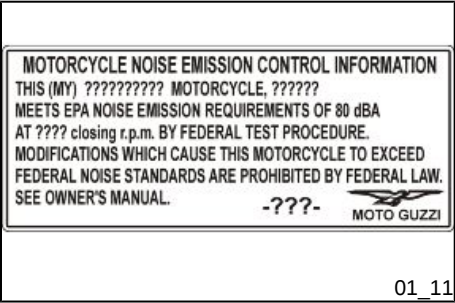


Label 8 (01_09)





Label 9 (01_10)



Label 10 (01_11)

Label 11 (01_12)

VEHICLE EMISSION CONTROL INFORMATION

ENGINE DISPLACEMENT: ??? cc
 ENGINE FAMILY: ??????????
 PERMEATION FAMILY: ??????????
 THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA
 REGULATIONS APPLICABLE TO ???? MODEL YEAR NEW
 MOTORCYCLES AND IS CERTIFIED TO ? ? HC+NOx G/KM
 ENGINE FAMILY EXHAUST EMISSION STANDARD.
 ENGINE EXHAUST CONTROL SYSTEM: ?????

ENGINE TUNE UP SPECIFICATIONS
 IGNITION TIMING: ??° ± ?° AT ???? RPM
 IDLE SPEED: ????? ± ??? RPM IN NEUTRAL
 VALVE CLEARANCE: INLET ?.???±?.??? inch (??.??±?.?? mm)
 OUTLET ?.???±?.??? inch (??.??±?.?? mm)

SPARK PLUG: ?????
 FUEL: MINIMUM OCTANE RATING (M+R)/2 METHOD 90
 OIL: ENGINE OIL VISCOSITY SAE ???-??

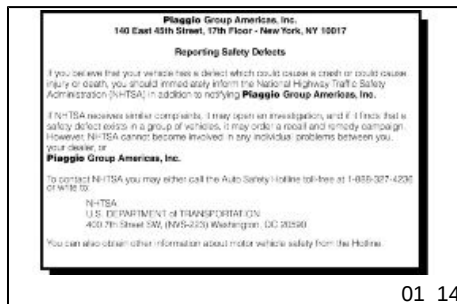
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MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A.
 V. le Rinaldo Piaggio, 25
 56025 Pontedera (PI) ITALY


 MOTO GUZZI

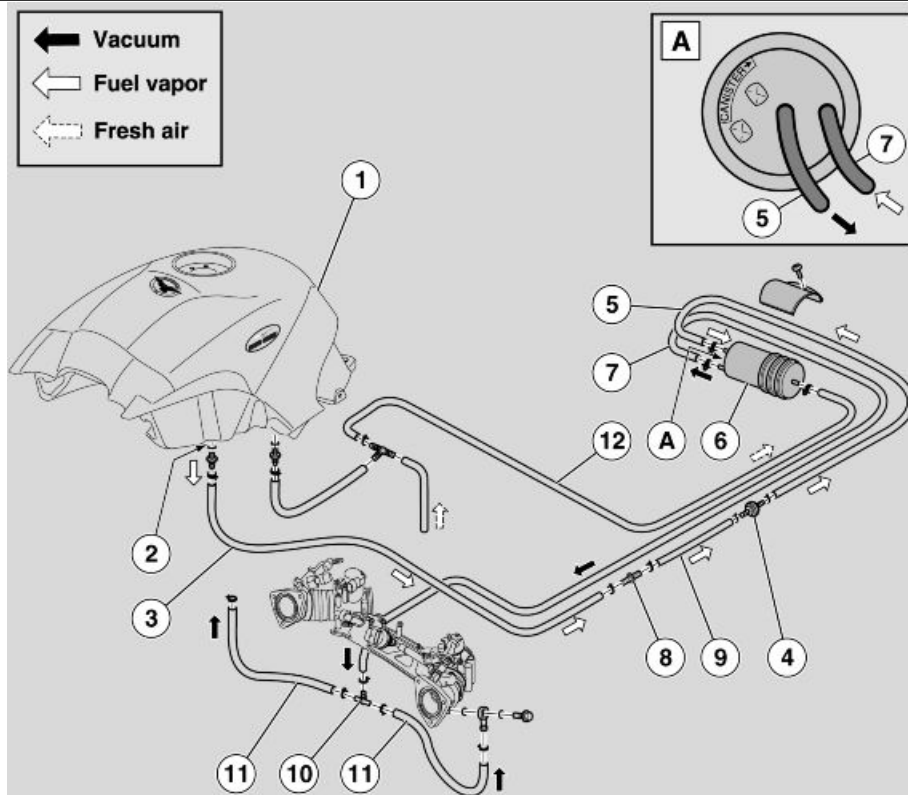
Muffler stamping

Label 12 (01_13)



Label 13 (01_14)

PLATE NOT PRESENT ON THE MOTORCYCLE



01_15

California evaporative emission system (01_15)

Key:

1. Fuel tank

2. Fuel tank connections
3. Fuel pipe
4. Pressure valve
5. Hose to canister
6. Carbon filter
7. Drainage tube
8. Two-way joint
9. Fuel pipe
10. Three-way joint
11. Drainage tube
12. Fuel pipe

NOTE

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

Your Warranty Rights and Obligations

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

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

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

Manufacturer's Warranty Coverage

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

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

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

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

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

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

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

and

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

Owner's Warranty Responsibilities

- As the owner, you are responsible for carrying out the scheduled maintenance indicated in your use and maintenance manual. **Moto Guzzi** recommends that you keep all receipts relating to the maintenance of your motorcycle even if **Moto Guzzi** cannot deny the warranty solely for lack of receipts or proof that the entire scheduled maintenance has been carried out.
- It is your responsibility to have your motorcycle checked by a **Moto Guzzi** dealer as soon as a problem occurs. Warranty repairs should be completed within a reasonable period of time, not exceeding 30 days.
- As owner of the motorcycle, you should be aware that **Moto Guzzi** may deny the warranty if your motorcycle or component is found to be defective as a result of violations, negligence, improper maintenance or unauthorised modifications.

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

I - Coverage.

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

Only in the State of California, emission-related warranty parts are specifically defined by the state's Emission Warranty Parts List. The components under warranty are as follows: carburettor and internal components; intake bellow; fuel tank; fuel injection system; ignition advance mechanism; crankcase breather; air shut-off valves; fuel cap for vehicles with evaporative emissions control; oil filler cap; pressure control valve; vapour/fuel separator; canister; igniter; switch regulators; ignition coils; ignition cables; ignition points; capacitors and spark plugs that are defective before the first scheduled replacement; and pipes, clamps, fittings and tubing used directly on these components. Since emission related components vary from model to model, some models

may not have all of these components and other models may have components with equivalent operation.

Only in the State of California, emergency repairs of the emission control system, as required by the California Administrative Code, may be carried out by third parties other than an Official **Moto Guzzi** Dealer. An emergency situation is considered a situation in which a **Moto Guzzi** Official Dealer is not available, a component is not available or cannot be found within 30 days, or the repair is not completed within 30 days. In case of emergency repairs, any spare part can be used. **Piaggio Group Americas, Inc.** will reimburse the owner's expenses, including the diagnosis, without exceeding the **Moto Guzzi** suggested retail price for all parts under warranty replaced and for labour costs, based on the times recommended by **Moto Guzzi** for repairs under warranty and at the hourly rate specified for the geographical area. The owner may be required to keep receipts and defective parts for reimbursement.

II - Limitations

The emissions control system warranty does not cover the following:

a) Repairs or replacements as a result of:

- (1) accidents,
- (2) improper use,
- (3) repairs carried out improperly or incorrectly installed replacement parts,
- (4) the use of spare parts or accessories that do not conform to aprilia 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 and adjustments carried out for normal scheduled maintenance.

c) Any motorcycle on which the mileage of the odometer has been modified so that it no longer possible to establish the actual mileage.

III – Limited liability

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

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

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

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

IV - Legal rights

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

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

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

VI - Additional information

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

Piaggio & C. S.p.A.

via G. Galilei, 1

30033 Noale (VE) Italy

Piaggio Group Americas, Inc.

257 Park Avenue South, 4th Floor

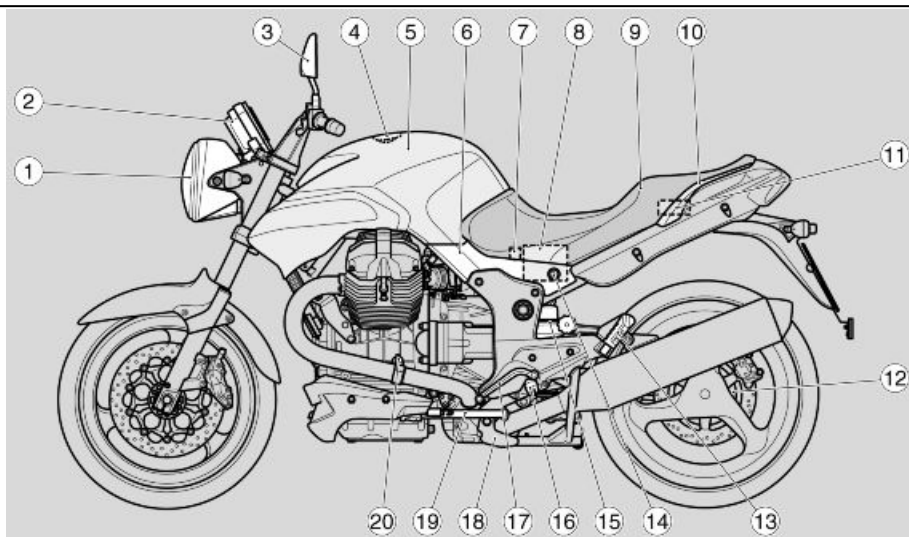
New York, NY 10010 U.S.A.

Telephone number: (212) 380 4400

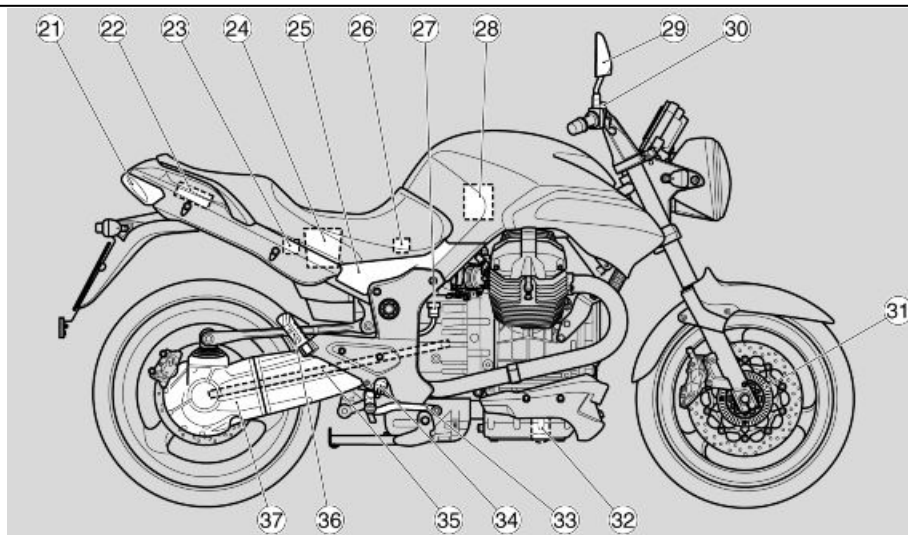
Breva V1100



Chap. 02
Vehicle



02_01



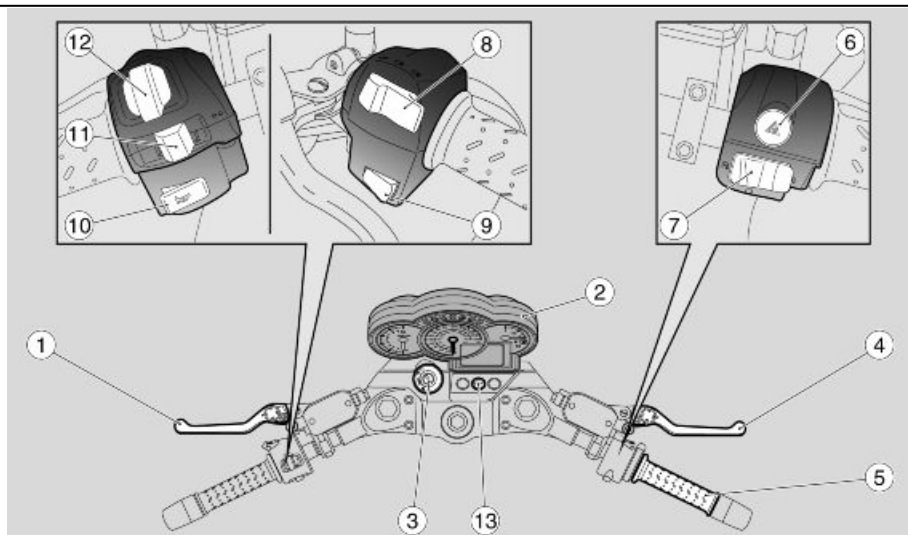
02_02

Arrangement of the Main Components (02_02)

Key:

1. Head light
2. Instrument panel
3. Left rearview mirror
4. Fuel tank cap
5. Fuel tank
6. Left side body panel
7. ABS fuse holder (where provided)
8. Battery
9. Driver/passenger seat
10. Passenger grab strap
11. Tool compartment

12. Rear ABS speed sensor (where provided)
13. Left passenger footrest
14. Saddle compartment keyhole
15. Rear shock absorber
16. Left driver's footrest
17. Gear shift lever
18. Center stand (where provided)
19. Side stand
20. Motor oil dipstick
21. Rear light assembly
22. Glove compartment
23. Secondary fusebox
24. Glove compartment
25. Right side fairing
26. Main fuse box (30A)
27. Rear brake fluid tank
28. Air filter
29. Right rearview mirror
30. Front brake fluid tank
31. Front ABS speed sensor (where provided)
32. Engine oil filter
33. Rear brake control lever
34. Right driver's footrest
35. Cardan shaft transmission
36. Right passenger footrest
37. Single-sided swingarm



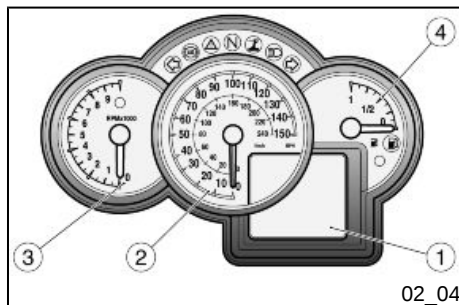
02_03

Dashboard (02_03)

Key - location of instruments/gauges

1. Gear shift lever
2. Instruments and gauges
3. Ignition/steering lock switch
4. Front brake lever
5. Throttle grip
6. Hazard lights button
7. Ignition and engine stop switch
8. Light switch
9. Heated handgrips activation/deactivation button (where provided)
10. Horn button
11. Turn indicator switch
12. MODE switch

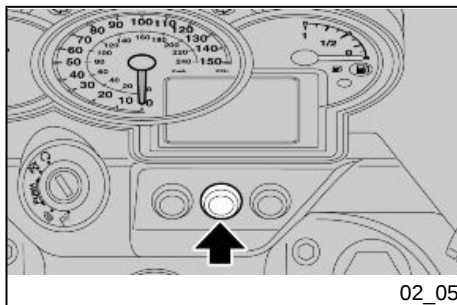
13. ABS deactivation button (where provided)



Analog Instrument Panel (02_04)

Key:

1. Multifunction digital display (clock, ambient temperature, odometer, dashboard control unit, chronometer, warning lights, scheduled maintenance indicator)
2. Speedometer
3. RPM indicator
4. Fuel gauge



ABS DEACTIVATION BUTTON (where provided)

To deactivate the system, use the following instructions:

- Turn the ignition switch to the "ON" position.
- Push in and hold down the button.

After about three seconds the ABS light on the instrument panel will begin to flash.

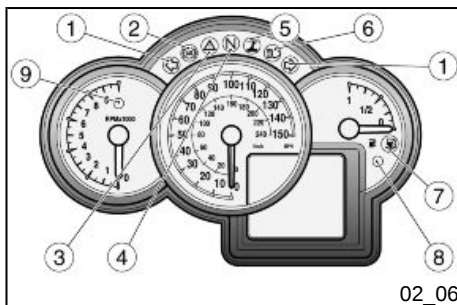
- Immediately release the button.
- At this point the ABS light on the panel will continue to flash slowly; the ABS system is completely deactivated.

To reactivate the ABS system:

- Stop the vehicle and turn off the engine, turning the ignition switch to "OFF."
- Turn the ignition switch back to "ON" and start the engine.
- Once the vehicle begins to move the ABS system will reactivate after the vehicle's speed exceeds 5 km/h (3.1 mi/h).



IN THE EVENT OF A FAULT OR WHEN THE ABS HAS BEEN DEACTIVATED, THE MOTORCYCLE BEHAVES AS THOUGH IF IT NOT EQUIPPED WITH THIS SYSTEM.



Light Unit (02_06)

Key:

1. Turn signal light, green
2. ABS light, amber
3. Alarm light, red
4. Neutral indicator warning light, green
5. Side stand light, amber
6. High beams light, blue
7. Fuel reserve warning light, amber
8. Antitheft alarm light, red
9. Gear shift light, red

Setting the chronometer function (02_07, 02_08)

CHRONOMETER

The chronometer allows you to measure and record lap-time while on a racetrack, allowing you to then examine the data later.

To activate the CHRONOMETER function:

- Confirm the CHRONO selection by pressing the SET button for a long time.

The display will show the following options:

-EXIT

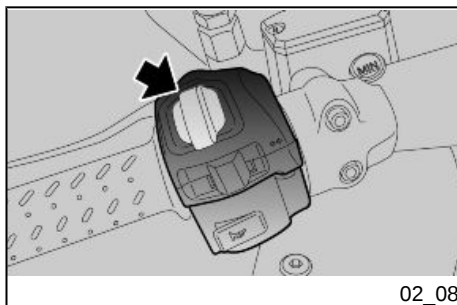
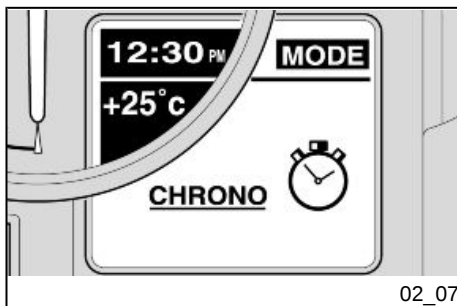
-TIME KEEPING

-VIEW TIMES

-DELETE TIMES;

These options can be chosen in sequence by briefly pressing the SET button.

- To exit from this function, use the SET button to choose the EXIT option by pressing and holding it.



TIME KEEPING

To activate the TIME KEEPING function:

Confirm the TIME KEEPING function by pressing and holding the SET button.

The display will show the current measurement and the three preceding. On the left of the measurements the session number is indicated.

To begin time keeping:

- Press the SET button briefly.

Continuing to press the SET button for the first 10 seconds from the beginning of the time keeping will bring the chronometer back to zero.

After this period of time, pressing the button again will cause it to record the date and the next time keeping session will begin.

Pressing and holding the SET button will cause the measurement to be erased, and the counter will return to zero. To restart the session, press the SET button briefly.

To return to the CHRONOMETER function:

- Press and hold the SET button.

IMPORTANT

THE CHRONOMETER CAN MEMORIZE A MAXIMUM OF 40 SESSIONS. ADDITIONAL MEASUREMENTS ARE ONLY POSSIBLE WHEN OTHER MEASUREMENTS ARE ERASED.

WHEN THE KEY IS REMOVED, DATA RECORDING STOPS. THE NEXT TIME THE KEY IS INSERTED THE DISPLAY WILL NOT RETURN TO THE CHRONOMETER FUNCTION, BUT THE DATA WILL REMAIN IN THE MEMORY. FOR THIS REASON, NEW DATA WILL BE RECORDED FOLLOWING EARLIER MEASUREMENTS. MEMORIZED DATA WILL BE LOST IF THE BATTERY IS REMOVED.

view times

This function allows you to visualize the measurements made with the chronometer.

To activate the VIEW TIMES option:

- Confirm the VIEW TIMES selection by pressing the SET button for a long time.

To scroll down the measurements page:

- Press the SET button briefly.

To return to the CHRONOMETER function:

- Press and hold the SET button.

Delete times

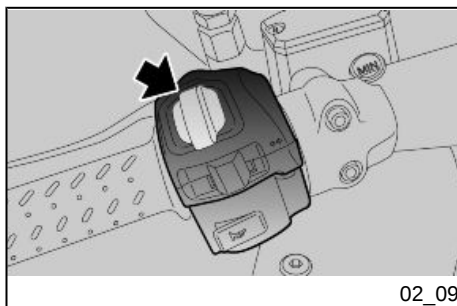
This function erases the measurements made with the chronometer.

To erase the measurements:

- Press and hold the SET button.

The cancellation must be confirmed twice.

At the end of the operation, the display will return to the CHRONOMETER function.



02_09

Control Buttons (02_09, 02_10)

- Move the selector right (UP) or left (DOWN) to scroll through the MENU options.
- Press the selector to confirm your selection.



02_10

When you turn the ignition key to "ON," the Moto Guzzi logo will appear on the display for two seconds.

After this initial screen, the configuration currently selected will be displayed.

The commands that can be chosen are:

- TRIP 1
- TRIP 2
- MODE

The following information is always displayed:

- CLOCK (zone A)
- AMBIENT TEMPERATURE (zone B) (when the temperature is below 37°F (3°C), an ice symbol will appear under the number)
- Configuration currently chosen (zone F) (TRIP 1, TRIP 2 o MODE).

The other sectors display information that varies based on the configuration chosen.

TRIP 1 AND 2

In the TRIP 1 and 2 configurations, the data for trips 1 and 2 will be displayed.

To select TRIP 1 or TRIP 2:

- Move the selector to UP or DOWN, maintaining pressure for at least two seconds, and repeat this operation until the TRIP configuration is displayed.

In the lower zone C the ODOMETER is always displayed, regardless of the TRIP selected. The configuration selected is displayed in zone F. In the central zone D the partial distance is always displayed. In zone E the following information is displayed:

- TRIP TIME;
- FUEL CONSUMED DURING TRIP;
- INSTANT FUEL CONSUMPTION;
- MAXIMUM SPEED;
- AVERAGE SPEED;

The information can be chosen following this sequence by pressing the selector briefly in the UP or DOWN position.

To reset the TRIP data to zero

- Press and hold the selector button.

When the option of heated handles is present (where provided) and active, an icon to indicate this will appear in the TRIP position, while the TRIP data will be displayed in the zone underneath. The icon displays the three heating levels.

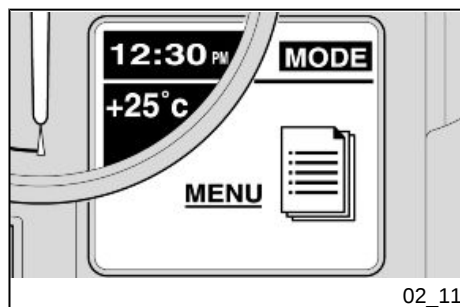
The MODE configuration includes various functions that allow the user to interact with the system.

To enter into the MODE function

- Move the selector into the UP or DOWN position, maintaining pressure for at least two seconds, and repeat this operation until the MODE configuration is displayed.

Moving the selector to the UP or DOWN position briefly, the following functions will display in order:

- CHRONOMETER;
- MENU (this function is not available when the vehicle is moving);
- BATTERY VOLTAGE;



02_11

Advanced Functions (02_11, 02_12, 02_13, 02_14, 02_15, 02_16, 02_17)

MENU

This function can only be selected with the vehicle stationary. It allows you to see the various configurations' settings.

To access the MENU function's properties:

With the MODE configuration displayed, confirm your selection on the MENU by pressing and holding the SET button.

The display will show the following options:

- EXIT
- SETTINGS
- DIAGNOSTICS (this function is only accessible to authorized personnel)
- LANGUAGE;



These options can be chosen in sequence by briefly pressing the SET button.

This function allows you to select and personalize the way you visualize the given parameters of the various configurations.

To access the SETTINGS function:

Confirm the SETTINGS selection by pressing and holding the SET button.

The display will show the following options:

- EXIT
- TIME SETTING
- GEAR SHIFT INDICATOR
- BACK LIGHTING
- °C/°F
- KM/MILES
- 12H/24H
- LED IMMOBILIZER
- CHANGE THE CODE

These options can be chosen in sequence by briefly pressing the SET button.

TIME SETTING

You can use this function to set the time on the clock.

To access the TIME SETTING function:

- Confirm the selection of TIME SETTING by pressing and holding the SET button.

To set the hour:

- Every time you briefly press the SET button, the hour will go up by one.
- Pressing the SET button for a longer time, will cause it to pass to minutes. Again, every time you briefly press the button, the minutes will go up by one.

To save the time set and return to the SETTINGS function:

- Press and hold the SET button.

GEAR SHIFT THRESHOLD

This function allows you to set the gear shift threshold values.

To access the GEAR SHIFT THRESHOLD function:

- Confirm the selection of GEAR SHIFT THRESHOLD by pressing and holding the SET button.

The words GEAR SHIFT THRESHOLD will appear on the display and the threshold value currently set will appear on the RPM meter.

To set the threshold value:

- Each time you press the SET button, the threshold value will increase by 100RPM. When you reach the maximum setting, each time you press the SET button, the value will be decreased by 100RPM.

To save the threshold values set and return to the SETTINGS function:

- Press and hold the SET button.

The values set will remain until the next time you change them.

IMPORTANT

ONCE THE SET THRESHOLD IS REACHED THE RED LIGHT ON THE RPM METER WILL BEGIN TO FLASH. IN ORDER TO TURN IT OFF, IT IS NECESSARY TO BRING THE ENGINE SPEED BELOW THE THRESHOLD SET.

BACK LIGHTING

This allows you to regulate the intensity of the illumination of the instrument panel.

To access the BACK LIGHTING function:

- Confirm the BACK LIGHTING selection by pressing and holding the SET button.

The display will indicate the three possible levels of intensity:

- LOW

- MEAN

- HIGH

These levels can be chosen in sequence by briefly pressing the SET button.

To save the level set and return to the SETTINGS function:

- Press and hold the SET button.

°C / °F

This allows you to select the unit used to measure the temperature.

To access the °C/°F function:

Confirm the °C/°F selection by pressing and holding the SET button.

The display will show the two possible units of measure:

- °C

- °F

The units of measurement can be chosen in sequence by briefly pressing the SET button.

To save the unit of measurement set and return to the SETTINGS function:

Press and hold the SET button.

KM / MILES

This allows you to select the unit used to measure the vehicle's speed.

To access the KM/MILES function:

- Confirm the KM/MILES selection by pressing and holding the SET button.

The display will show the two possible units of measure.

- KM

- MILES

The units of measurement can be chosen in sequence by briefly pressing the SET button.

To save the unit of measurement set and return to the SETTINGS function:

- Press and hold the SET button.

- **12H / 24H**

This allows you to select the way in which you view the time.

To access the 12H/24H function:

- Confirm the selection of 12H/24H by pressing and holding the SET button.

The display will show the two options:

- 12H

- 24H

The two options can be chosen in sequence by briefly pressing the SET button.

To save the option chosen and return to the SETTINGS function:

- Press and hold the SET button.

LED IMMOBILIZER

This function allows you to turn off/on the LED alarm located in the fuel level area. This is used in the case that you install an external antitheft device.

MODIFY CODE

This allows you to change your own personal code. You will first be asked to insert the old code.

CODE RESET

This allows you to choose a new code, if you can no longer remember the old code. You will be asked to insert 2 of the memorized keys.

DIAGNOSTICS

This allows the possibility to interact with the motorcycle's systems and perform diagnostics on them. It can only be activated by inserting an access code that only **Moto Guzzi** Service Centers have.

CHOOSING THE LANGUAGE

You can use this function to choose which language is used on the display.

To access the LANGUAGE function:

- Confirm the selection of LANGUAGE by pressing and holding the SET button.

The languages you can choose from are:

- ITALIANO
- ENGLISH
- FRANÇAIS

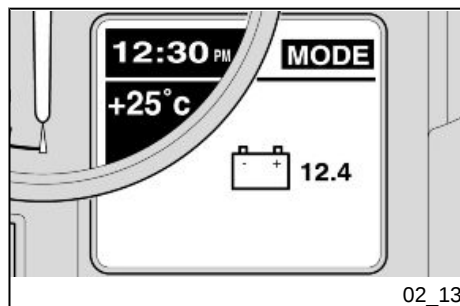
- DEUTSCH

- ESPAÑOL

The languages can be chosen in sequence by briefly pressing the SET button.

To save the language set and return to the SETTINGS function:

- Press and hold the SET button.



02_13

BATTERY VOLTAGE

This function shows the battery voltage and does not permit any user interaction.

To access this function:

- In the MODE configuration, press the SET button repeatedly until the screen you desire appears.



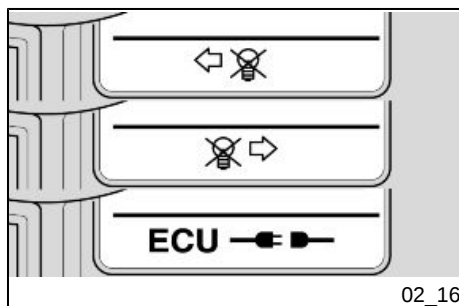
02_14

SERVICE

When it is time for scheduled periodic maintenance (after the first 932 mi/1500 km, and every 6250 mi/10000 km after that), in the area used for the ice symbol, a wrench symbol will appear. If both symbols are in use, they will alternate on the display.



02_15



02_16



02_17

DISPLAY ALARMS

In the case of a serious abnormality, which could compromise the integrity of the vehicle or the rider, a symbol which signals the cause will appear on the display in the area usually reserved for the odometer.

The warning lights are divided into two groups, based on their importance:

- High priority:
Oil pressure, Control unit errors, Instrument panel errors.
- Low priority: Turn signal indicators and electronic control unit disconnection.

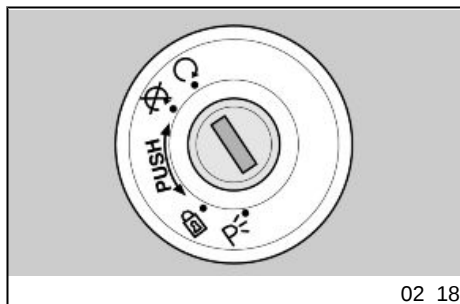
If there are two alarms of the same priority to be displayed, the icons will alternate on the display.

High priority alarms will prevent the possibility of seeing low priority alarms.

RESERVE KM

When the fuel reserve warning light is lit up continuously, the display will indicate the kilometers/miles ridden in reserve. The value will be displayed in the area where the total is usually displayed (ODOMETER).

If the motorcycle is already using the fuel reserve at engine startup, the mileage ridden in reserve will display 40 seconds after starting off, so that you can also read the total (ODOMETER).



02_18

Ignition Switch (02_18)

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.

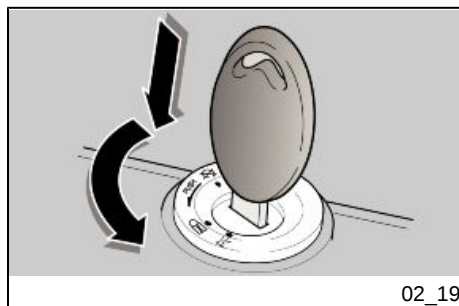
NOTE

THE LIGHTS COME ON AUTOMATICALLY AFTER THE ENGINE STARTS.

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

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

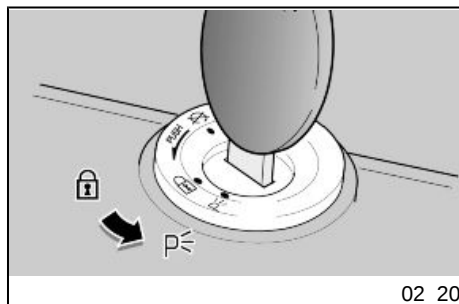
ON: The engine can be started. It is impossible to remove the key



Locking the Handlebar (02_19)

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.



Parking lights (02_20)

The vehicle has front and rear parking lights. It is always better to park your vehicle in appropriate areas and in any case in lighted areas. The parking lights are very useful when it is necessary to park in dark or poorly lit areas, and whenever you would like to make your vehicle more visible.

OPERATION

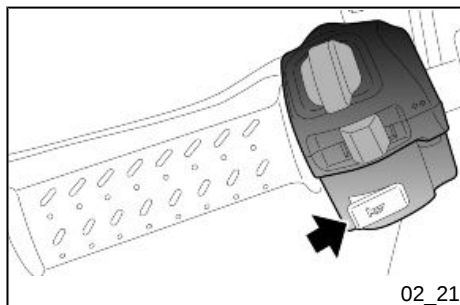
To activate the parking lights:

- Block the steering without removing the key.
- Turn the key to the PARKING position.
- Verify that both the front and rear parking lights are turned on.

- Remove the key.

Horn Button (02_21)

Press it to activate the horn.

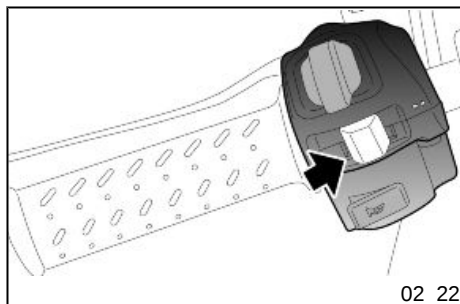


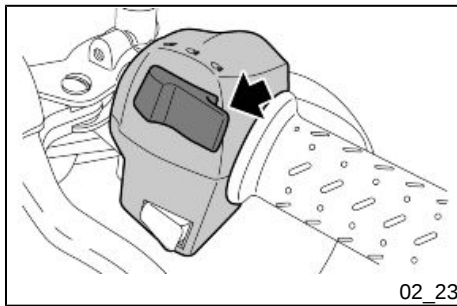
Turn Signal Selector (02_22)

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

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

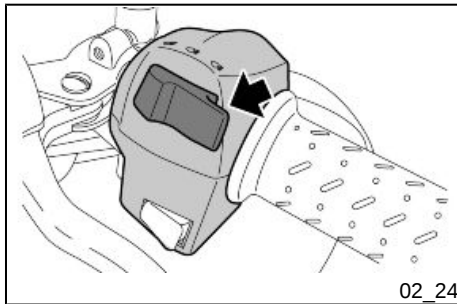




High/Low Beam Selector (02_23)

Pushing the light switch turns on the high beam; pushing it again turns on the low beam.

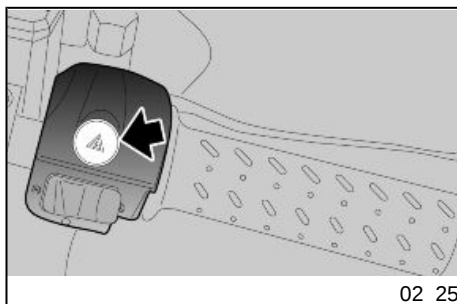
When the low beam is turned on, the position lights and the instrument panel light are also turned on.



Passing Button (02_24)

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

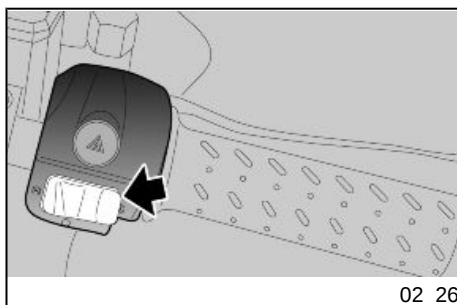
Releasing the switch deactivates the high beam flash.



Flasher button (02_25)

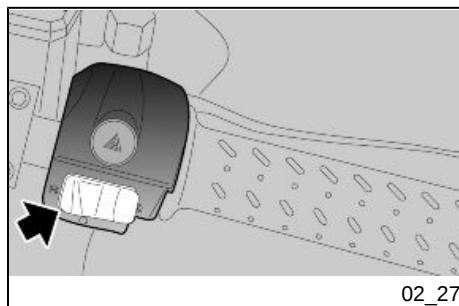
Pressing this button activates all four turn signals simultaneously and their indicators on the instrument panel. The HAZARD lights will remain active even if the key is removed, but they cannot be deactivated.

To deactivate the HAZARD lights, turn the ignition switch to "ON" and press the HAZARD button again.



Start-up Button (02_26)

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



02_27

Engine Stop Switch (02_27)

This button to stop the engine should be used only in case of emergency. It is important that you familiarize yourself with this button so that you can use it easily in case the throttle grip is malfunctioning or there are other engine problems.



ABRUPT OR EXCESSIVE ACCELERATION CAN CAUSE COLLISIONS WITH OTHER VEHICLES OR OVERTURNING.

IN THE CASE THAT THE THROTTLE GRIP IS MALFUNCTIONING OR STUCK, ALWAYS TURN OFF THE ENGINE USING THE ENGINE STOP BUTTON WHICH CAN BE FOUND ON THE RIGHT SIDE OF THE HANDLEBARS.

IT IS VERY IMPORTANT THAT WHEN YOU LET GO OF THE THROTTLE GRIP IT RETURNS TO THE NEUTRAL POSITION. NEVER USE THE VEHICLE IF THE THROTTLE GRIP DOES NOT AUTOMATICALLY RETURN TO THE NEUTRAL POSITION WHEN YOU LET GO OF IT.

CONTACT AN Official Moto Guzzi Dealership FOR REPAIRS. NOT FOLLOWING THIS ADVICE COULD LEAD TO SERIOUS ACCIDENTS CAUSING SERIOUS INJURY AND EVEN DEATH.



NEVER USE THE ENGINE STOP BUTTON TO TURN OFF THE ENGINE WHILE THE VEHICLE IS IN MOTION.

IT IS POSSIBLE TO START THE ENGINE WITH THE ENGINE STOP BUTTON IN THE RELEASE POSITION. THE ENGINE CAN BE TURNED OFF BY PRESSING THE ENGINE STOP BUTTON.



TO TURN OFF THE VEHICLE USE ONLY THE IGNITION SWITCH.

LEAVE THE ENGINE STOP BUTTON IN THE RELEASE POSITION AND USE IT ONLY IN CASE OF EMERGENCY. DO NOT LEAVE THE IGNITION SWITCH IN THE

"KEY ON" POSITION IF BECAUSE OF AN EMERGENCY YOU USED THE ENGINE STOP BUTTON TO TURN OFF THE ENGINE. THIS RUNS DOWN THE BATTERY.

WHEN YOU USE THE ENGINE STOP BUTTON TO TURN OFF THE ENGINE, TURN THE IGNITION SWITCH TO "OFF."

ABS system (02_28, 02_29)

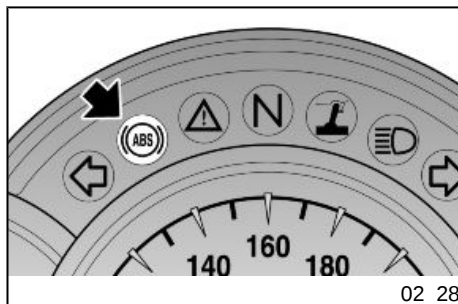
ABS is a system that prevents the wheels from becoming locked in an emergency braking situation, which increases the stability of the vehicle while braking with respect to that of a traditional braking system. In some cases, when you use the brakes, the tires may be locked with the consequence of a loss of traction, which makes it very difficult to control the vehicle. A position sensor located "reads" on the speed sensor the status of the tire, and individuates locking when it occurs. A computer controls the signal, which in turn regulates the pressure inside of the braking circuit.

NOTE

WHEN THE ABS SYSTEM ACTIVATES YOU WILL FEEL A VIBRATION ON THE BRAKE LEVER.



THE ANTILOCK BRAKE SYSTEM DOES NOT ELIMINATE THE DANGER OF FALLING WHILE TURNING. EMERGENCY BRAKING WITH THE VEHICLE AT AN ANGLE, THE HANDLEBARS TURNED, WHEELS NOT FULLY IN CONTACT WITH THE ROAD, ON SLIPPERY ROADS OR IN CONDITIONS WITH POOR TRACTION CREATES CONDITIONS OF INSTABILITY THAT ARE DIFFICULT TO CONTROL. FOR THIS REASON PRUDENT AND AWARE DRIVING AND GRADUAL BRAKING ARE RECOMMENDED. DO NOT RIDE IMPRUDENTLY PUTTING FAITH IN AN ILLUSORY SAFETY. BRAKING WHILE TURNING IS SUBJECT TO CERTAIN LAWS OF PHYSICS WHICH AN ABS SYSTEM DOES NOT ELIMINATE.



02_28

At engine startup the ABS light will remain lit until the vehicle exceeds 3.1 mph (5 km/h). If the light remains lit permanently, this indicates that there has been a malfunction and the ABS is deactivated.

NOTE

IN THIS CASE CONTACT AN OFFICIAL Moto Guzzi DEALERSHIP.

Driving with the ABS system active

The light remains unlit

If there is a malfunction, the light will turn on and remain lit to indicate the abnormality. The ABS system will be deactivated automatically.

NOTE

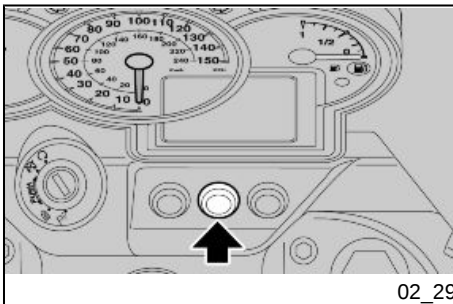
IN THIS CASE CONTACT AN OFFICIAL Moto Guzzi DEALERSHIP.

Driving with the ABS system inactive

The light will flash when the system has been voluntarily turned off.

Deactivation of the ABS system

It is possible to deactivate the ABS system using the switch.

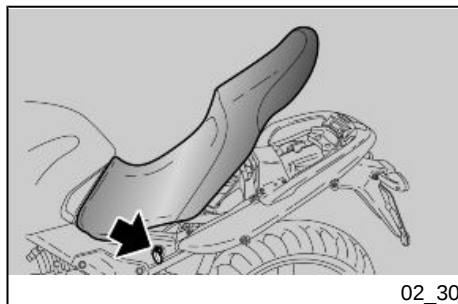




YOUR MOTORCYCLE HAS TWO-CHANNEL ABS. THIS SYSTEM WORKS ON BOTH THE FRONT AND REAR WHEELS. IT IS IMPORTANT TO ALWAYS CHECK THAT THE ABS WHEELS ARE CLEAN, AND ALSO PERIODICALLY CHECK THAT THE DISTANCE FROM THE SENSOR IS CONSTANT FOR ALL 360 DEGREES. IN THE CASE OF REMOVING AND REPLACING THE FRONT WHEEL, IT IS VERY IMPORTANT TO RECHECK THAT THE DISTANCE BETWEEN THE ABS WHEEL AND THE SENSOR IS THAT INDICATED. TO CHECK AND REGULATE THIS CONTACT AN OFFICIAL AUTHORIZED Moto Guzzi SERVICE CENTER.



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



02_30

Opening the saddle (02_30)

- Place the vehicle on the stand.

- Insert the key in the saddle compartment keyhole.
- Turn the key clockwise, lift up and pull the seat back.

To lock the seat:

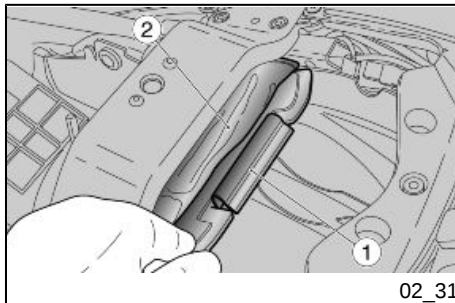
- Place the front part of the seat in position, and then lower the rear part.
- Push down on the rear part until you hear the lock click

IMPORTANT

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



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



02_31

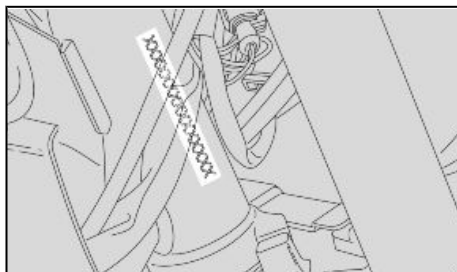
Glove/tool kit compartment (02_31)

To access the glove compartment:

- Remove the saddle.

To access the tool kit compartment:

- Remove the cover (1).
- Remove the bag (2) from its housing.



02_32

The identification (02_32, 02_33)

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

IMPORTANT

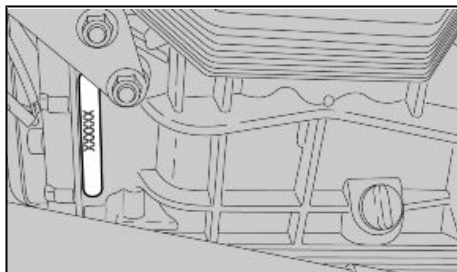


THE MODIFICATION OF THE IDENTIFICATION CODES IS A SERIOUS PUNISHABLE CRIME. HOWEVER, THE LIMITED WARRANTY FOR NEW VEHICLES WILL BE VOID IF THE VEHICLE IDENTIFICATION NUMBER (VIN) HAS BEEN MODIFIED OR NOT PROMPTLY DETERMINED.

FRAME NUMBER

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

Chassis No.

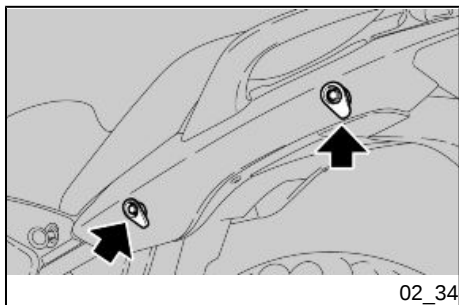


02_33

ENGINE NUMBER

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

Engine No.



Luggage anchor point (02_34)

It is possible to attach a small bag above the rear part of the seat, using elastics to attach it to the four hooks (two on each side).

Maximum weight allowed: 11 lb (5 kg).

IMPORTANT

THE BAG MUST BE OF APPROPRIATE DIMENSIONS AND BE ANCHORED STABLY.

Breva V1100



Chap. 03
Use

Checks (03_01)

IMPORTANT

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



IF IF THE ALARM LIGHT AND THE WORDS "SERVICE" LIGHT UP WHILE THE ENGINE IS FUNCTIONING NORMALLY, THIS MEANS THAT THE ELECTRONIC CONTROL UNIT HAS FOUND AN ABNORMALITY.

IN MANY CASES THE ENGINE MAY CONTINUE TO PERFORM, BUT WITH REDUCED PERFORMANCE; CONTACT AN Official Moto Guzzi Dealership IMMEDIATELY, IN ORDER TO PERFORM THE SERVICES INDICATED ON THE PERIODIC MAINTENANCE SCHEDULE.

This button to stop the engine should be used only in case of emergency. It is important that you familiarize yourself with this button so that you can use it easily in case the throttle grip is malfunctioning or there are other engine problems.

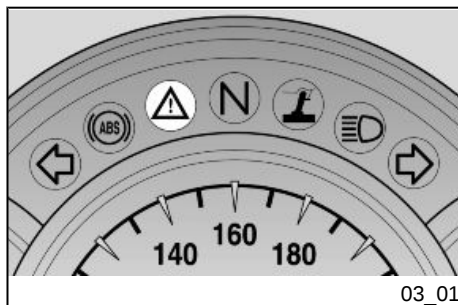


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This vehicle has been programmed to indicate in real time any operation failure stored in the electronic control unit memory.

Every time the ignition switch is turned to "ON", the alarm LED warning lights turn on for about three seconds on the dashboard.

PRE-RIDE CHECKS

Front and rear disc brake

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

Throttle grip	Check that the throttle functions smoothly and can be fully opened and closed in all steering positions. Adjust and/or lubricate if necessary.
Engine oil	Check and/or top-up as required.
Wheels/ tyres	Check that tyres are in good conditions. Check inflation pressure, tyre wear and potential damage. Remove any possible strange body that might be stuck in the tread design.
Brake levers	Check they function smoothly. Lubricate the joints and adjust the travel if necessary.
Clutch	Check for proper operation. Check clutch lever free play and fluid level. Check for leaks. If needed, top off the fluid; the clutch must work without gripping and/or sliding.
Steering	Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.
Central and side stands	Check their operation. Check that there is no friction when the side stand is pulled up and down and that the spring's tension makes it snap back to its rest position. Lubricate joints and couplings as

required. Check that the safety switch is functioning correctly.

Clamping elements	Check that the clamping elements are not loose. Adjust or tighten them as required.
Fuel tank	Check level and refill if necessary. Check the circuit for leaks or obstructions. Check that the tank cap closes correctly.
Engine stop switch (ON - OFF)	Check function.
Lights, warning lights, horn, rear stop light switch and electrical devices	Check function of horn and lights. Replace bulbs or repair any faults noted.
Transmission oil - Guzzi	Check. Should top-up be necessary, please refer to an authorised Moto Guzzi repair shop.
Speed sensors (only for vehicles equipped with an ABS system)	Check that the speed sensors are perfectly clean

Refueling (03_02)

IMPORTANT

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

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

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

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

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

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

IMPORTANT

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

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

IF THE FUEL ACCIDENTALLY COMES INTO CONTACT WITH YOUR EYES, RINSE THEM WITH PLENTY OF WATER AND IMMEDIATELY SEEK MEDICAL ATTENTION. IF YOU ACCIDENTALLY INGEST FUEL, DO NOT INDUCE VOMIT-

ING. DRINK A LARGE AMOUNT OF MILK OR WATER AND CONTACT A DOCTOR AS SOON AS POSSIBLE.

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

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

Characteristic

Fuel

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

To refuel:

- Lift up the lid (1).
- Insert the key (2) into the keyhole on the fuel tank cap (3).
- Turn the key clockwise, pull and open the fuel tank cap.
- Refuel.

IMPORTANT



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

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



DURING REFUELLING AVOID FUEL LEAKAGES, WHICH MAY CAUSE DAMAGE TO THINGS OR PERSONS AND FIRE HAZARD.

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

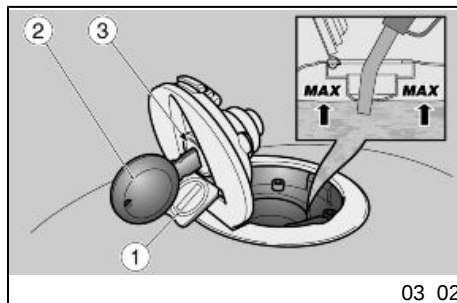
Characteristic

Fuel tank

41.8 pt (23 l) (including reserve)

Fuel tank reserve

7.3 pt (4 l)

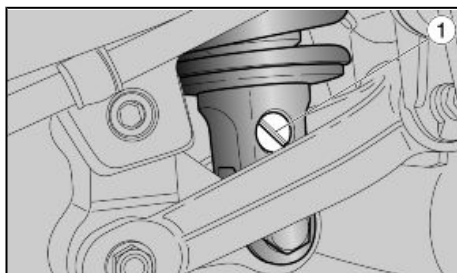


When refueling is finished:

- The cap can only be closed when the key (2) is inserted.
- With the key (2) inserted, close the cap, pressing on it.
- Remove the key (2).
- Reclose the cover (1).



MAKE SURE THE CAP IS TIGHTLY CLOSED.



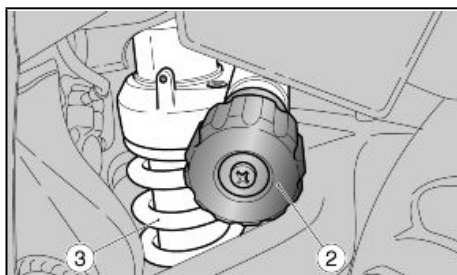
03_03

Rear shock absorbers adjustment (03_03, 03_04)

The rear suspension consists of a spring and shock-absorber group, linked to the frame via silent-block and the rear fork levers.

In order to adjust the vehicle's set up, the shock absorber is provided with:

- one set screw (1) to adjust rebound damping;
- one knobbed screw (2) to adjust spring (3) preloading.



03_04

REAR SHOCK ABSORBER ADJUSTMENT

The standard setting of the rear shock absorber is adjusted so as to satisfy all main high and low speed riding conditions, for transportation of the rider with baggage.

It is at any rate possible to insert personal settings, depending on vehicle usage.



BEFORE WORKING THE ADJUSTERS, ALLOW COMPLETE COOLING OF ENGINE AND EXHAUST SILENCER.

ADJUSTMENT SETTING

Standard setting

- rider only.

Medium load setting:

- (for example, rider with passenger, or with baggage).

Maximum load setting:

- (for example, rider, passenger, and baggage).

IMPORTANT

SET SPRING PRELOAD AND REBOUND DAMPING BASED ON THE VEHICLE'S USAGE CONDITIONS. IF THE SPRING PRELOAD IS INCREASED, THE REBOUND DAMPING ALSO MUST BE INCREASED TO AVOID SUDDEN JERKS WHEN RIDING. IF NECESSARY CONTACT AN Official Moto Guzzi Dealership. ROAD TEST THE VEHICLE REPEATEDLY UNTIL YOU FIND THE OPTIMUM SETTING.

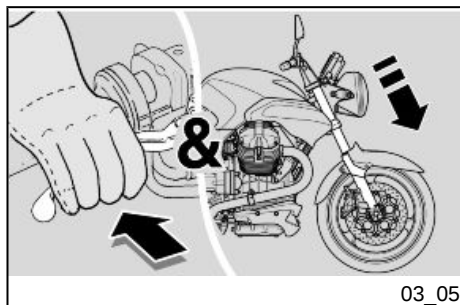
SHOCK ABSORBER SETTING TABLE

The calibration for the standard suspension settings are factory-set.

REAR SHOCK ABSORBER ADJUSTMENT

Preloading - normal load conditions	8 clicks from completely unwound (soft)
Preloading - medium load conditions	35 clicks from completely unwound (soft)

Preloading - maximum load conditions	completely tightened
Damping - normal load conditions	14 clicks starting from the screw (1) completely closed
Damping - medium load conditions	11 clicks starting from the screw (1) completely closed
Damping = maximum load conditions	8 clicks starting from the screw (1) completely closed



Front Fork Adjustment (03_05)

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 traces of oil on the inner fork tubes.

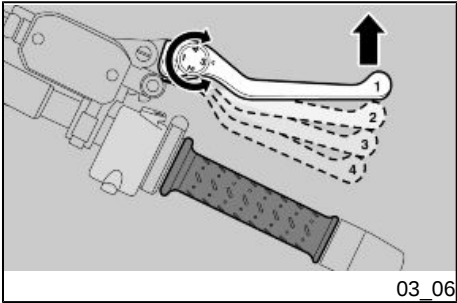
Check the tightness of all fasteners and ensure that both the front and rear suspension is operating correctly.

FORK ADJUSTMENT

The calibration for normal weight loads are factory-set.

FORK ADJUSTMENT

Fork - Preloading - normal load conditions	8.5 turns tightened	from	completely
Fork - Preloading - medium load conditions	8.5 turns tightened	from	completely
Fork - Preloading - maximum load conditions	8.5 turns tightened	from	completely

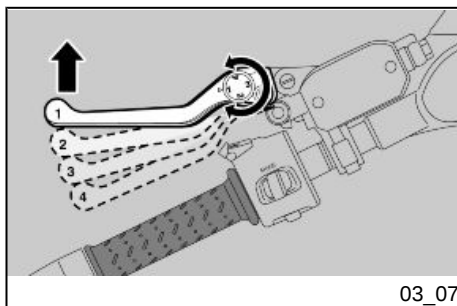


Front brake lever adjustment (03_06)

It is possible to adjust the distance between the ends of the two levers by rotating the screw.

The positions "1" and "4" indicate respectively a distance of approximately 4.13 - 3.35 in (105 - 85 mm) between the ends of one lever and the other. The positions "2" and "3" indicate intermediate distances.

To adjust the distance: push the command lever forward and turn the screw to the desired number, using the indicator arrow.



Clutch lever adjustment (03_07)

It is possible to adjust the distance between the ends of the two levers by rotating the screw.

The positions "1" and "4" indicate respectively a distance of approximately 4.13 - 3.35 in (105 - 85 mm) between the ends of one lever and the other. The positions "2" and "3" indicate intermediate distances.

To adjust the distance: push the command lever forward and turn the screw to the desired number, using the indicator arrow.

Running-In

Running the engine in correctly is essential for ensuring engine longevity and functionality. Twisty roads and gradients are ideal for running in the engine, brakes and suspension effectively. Vary your riding speed during the running in period. This ensures that components operate in "loaded" conditions and then "unloaded" conditions, allowing the engine components to cool.

IMPORTANT

THE CLUTCH MAY EMIT A SLIGHT BURNING SMELL WHEN FIRST USED. THIS PHENOMENON SHOULD BE CONSIDERED NORMAL AND WILL DISAPPEAR AS SOON AS THE CLUTCH PLATES GET ADAPTED.

IT IS IMPORTANT TO STRAIN ENGINE COMPONENTS DURING RUN-IN, HOWEVER, MAKE SURE NOT TO OVERDO THIS.

IMPORTANT

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

Follow the guidelines detailed below:

- Do not accelerate suddenly and completely when the engine is running in a low gear, either before or after running-in.
- During the first 62 miles (100 km) step carefully on the brakes and avoid sudden and prolonged braking. This permits an adequate settling of the pad friction material on the disc brakes.



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

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, 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

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

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



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

Catalytic silencer

The vehicle has a 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.



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

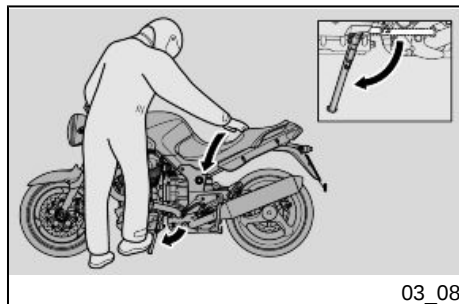


DO NOT USE LEADED PETROL AS IT CAUSES IRREPARABLE DAMAGE TO THE CATALYTIC CONVERTER.

Stand (03_08, 03_09)



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



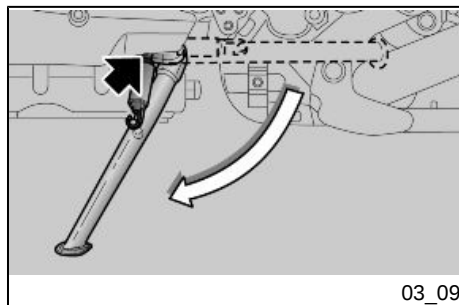
SIDE STAND

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

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

IMPORTANT

MAKE SURE THE VEHICLE IS STABLE.



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

Suggestion to prevent theft

IMPORTANT

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

NEVER leave the ignition key in the lock and always use the steering lock. Park the vehicle in a safe place such as a garage or a place with guards. Whenever possible, use an additional anti-theft device. Make sure all vehicle documents are in order and the road tax paid. Write down your personal details and telephone number on this page to help identifying the owner in case of vehicle retrieval after a theft.

SURNAME:

FIRST NAME:

ADDRESS:

TELEPHONE NO.:

WARNING

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

Safe riding (03_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)

MAIN SAFETY RULES

The following instructions refer to the normal use of your vehicle and must be carefully observed. Observing these rules will allow you to increase your safety and that of the persons around you as well as maximise the life and usefulness of your vehicle. Two-

wheeled vehicles obviously do not offer some of the protections normally provided on cars, so it is essential to wear suitable protective clothing. In particular, when riding the vehicle, always wear a helmet, gloves, protective goggles and a heavy jacket, sturdy footwear and durable long trousers. However, it must always be kept in mind that even the best clothing and helmet cannot protect you in the event of a fall or collision with another vehicle. These features protect you best from scratches and abrasions, but their protective function is minimal in the event of an impact. Make sure you meet all the requirements of the local law, including driver's license, minimum age, adequate preparation, insurance, taxes, vehicle registration, license plate, etc. As soon as you receive the vehicle, familiarise yourself by practising in areas with low traffic intensity. Avoid driving the vehicle in heavy traffic areas until you have gained a good experience and total safety in riding. Although this vehicle is approved for use on motorways and ring roads, it is recommended that you do not travel on these roads at high speed until you have become very familiar with the vehicle and have achieved a high degree of skill in use. A new vehicle must undergo an accurate break-in. Before starting the engine, make sure the brake, clutch, drive and throttle controls are working properly and check that the oil and fuel level is adequate. The exhaust system, brakes and some vehicle components can get very hot while riding. Do not touch these components. Consumption of certain drugs and medicines, illegal or prescribed, as well as alcohol greatly increases the risk of accidents. Do not drive while under the influence of alcohol or drugs, whether they are illegal or licensed by a doctor. Make sure that you are in good physical condition before driving your vehicle. Do not drive in conditions of particular fatigue or tiredness. Alcohol, drugs and fatigue are the main cause of accidents. Many accidents are due to the driver's inexperience. Do not ride your vehicle until you have received training from a recognized organization such as the Motorcycle Safety Foundation. Always keep in mind that driving a two-wheeled vehicle, while easy and fun, is very different from driving a car. Not necessarily an experienced car driver is able to safely drive a two-wheeled vehicle. NEVER lend the vehicle to other people if you are not sure that they are experts and in possession of a driving license. Respect all the rules of the road traffic code. In particular, pay attention to all warning, traffic regulation and information signs.

Avoid showing off with dangerous manoeuvres (e.g. rear up). In particular, respect the speed limits and remember that the conditions of the road surface vary according to the weather conditions; wet and icy roads are dangerous especially at high speed. Car drivers often find it difficult to see two-wheeled vehicles, so always give priority to cars even in cases where according to the road traffic code you would have priority.

Before changing lanes, always check that the road is clear behind you. Do not rely solely on the rear view mirror as it could underestimate the distance and speed of a vehicle or even not see it at all. Avoid obstacles that could damage the vehicle or lead to loss of control of the vehicle. Do not drive close to vehicles like trucks or cars, in front of you and do not remain in their lane to increase speed. In the event of an accident, motorcycles, scooters and mopeds do not offer the same level of protection as cars. Especially the legs are exposed to the risk of injury. The additional installation of leg pads can concretely increase the risk of injury and the severity in the event of an accident. Do not install leg pads available on the spare parts and accessories market. Failure to follow these instructions can result in serious injury or even death. Always ride with both hands on the handlebars and feet on the foot pegs. Never change gear without using the clutch if your vehicle is equipped with one. Do not operate the shift lever or other controls abruptly and suddenly. Misuse of this type could damage the internal components of the vehicle resulting in seizure, loss of control, accidents and serious or even fatal injuries. Remain seated while driving. Do not stand up or try to stretch yourself while riding the vehicle. If you need to rest, pull over at a safe point on the road. It is very important for your safety to always drive with the utmost attention. Pay attention to your actions, do not get distracted by other vehicles, persons and/or things near the road, etc. Do not smoke, eat, drink, read, etc. while driving the vehicle. If you need to consult a road map, pull over and carry out the operation in complete safety. Use only the fuels and lubricants specified for the vehicle listed in the RECOMMENDED PRODUCTS TABLE; regularly check the coolant, fuel and oil levels. If the throttle remains locked, it could result in a collision with another vehicle or a fall. If the throttle remains locked, stop the engine with the engine stop switch located on the right handlebar. Do not try to restart the engine until the throttle has been repaired and is fully functional. Failure to observe this warning can result in loss of control resulting in serious injury or even death.

IMPORTANT

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

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

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

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

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

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

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

To repair your vehicle, use only original **Moto Guzzi** accessories or **Moto Guzzi** approved accessories. The use of aftermarket accessories and parts can seriously affect the safety of your vehicle as well as its performance and use. Any changes that affect performance or safety void the entire warranty.

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

For some jurisdictions, vehicle confiscation is also provided.

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

Moto Guzzi does not produce sidecars or trailers and can therefore not predict the consequences that these accessories may have on the handling and stability of the vehicle: however, it is warned that these effects could be negative and the guarantee

is not recognised for any damage to components of the vehicle due to the use of accessories of this type.

Never use your vehicle to compete with other vehicles.

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

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

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

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

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

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

Slow down and drive carefully on uneven road surfaces.

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

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

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

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

Do not ride the vehicle off-road.

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

CLOTHING

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

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

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

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

Always wear a helmet.

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

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

ACCESSORIES

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

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

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

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

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

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

LOADING

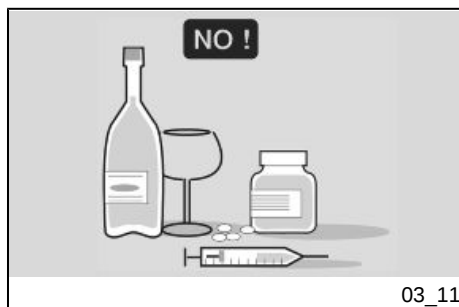
Do not overload the vehicle.

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

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



03_10



03_11

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

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

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

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

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

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

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

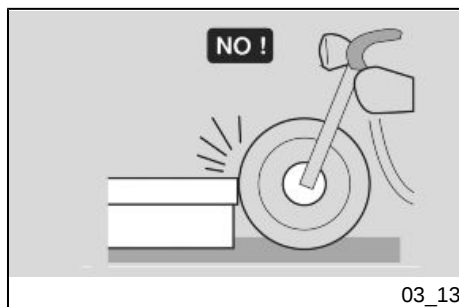
Do not carry animals or children on the glove box or luggage rack.

Never exceed the maximum load indicated for each bag.

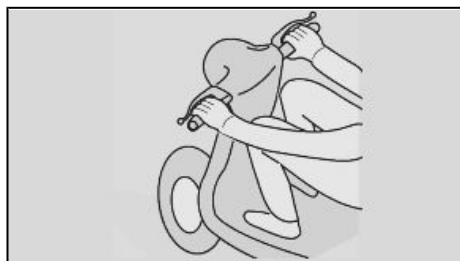
Overloading your vehicle can seriously reduce its stability and handling leading to a fall resulting in serious injury or even death.



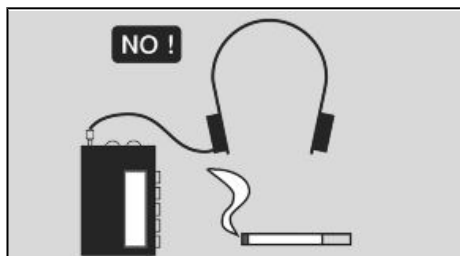
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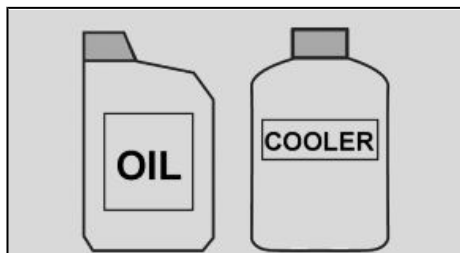
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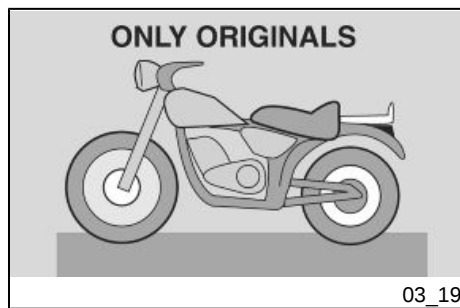
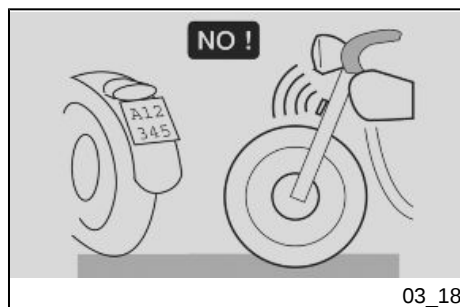
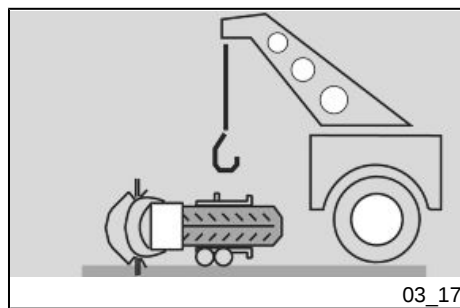
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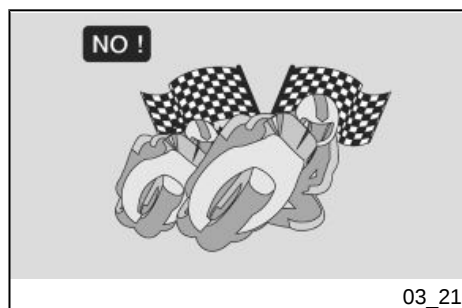
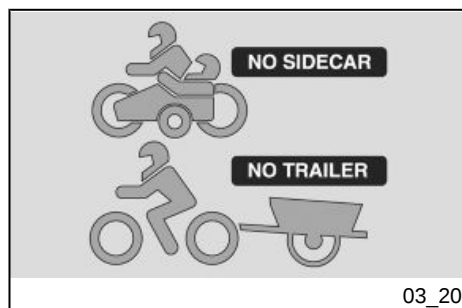


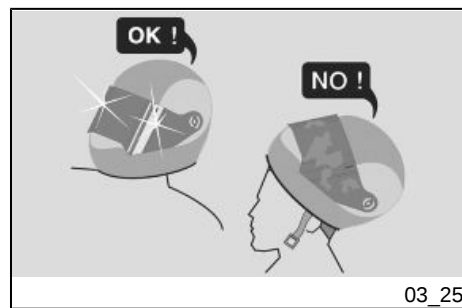
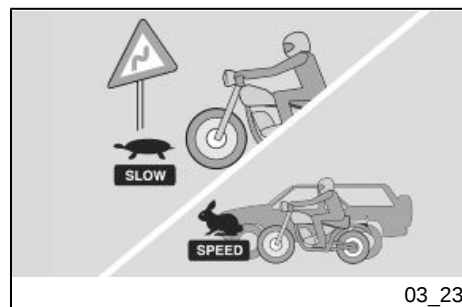
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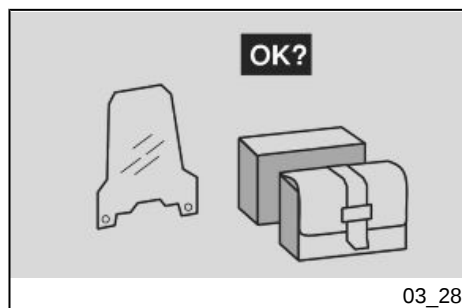
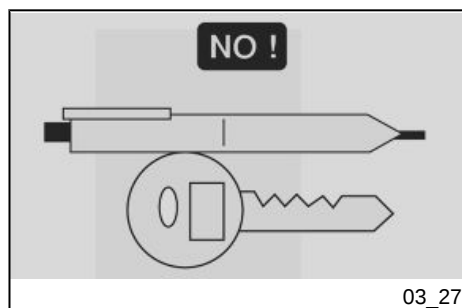
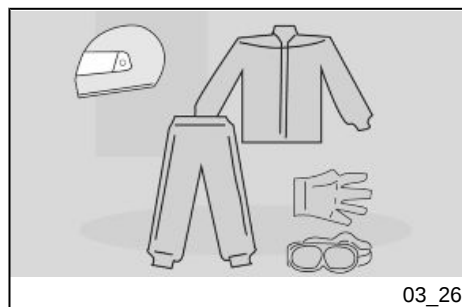


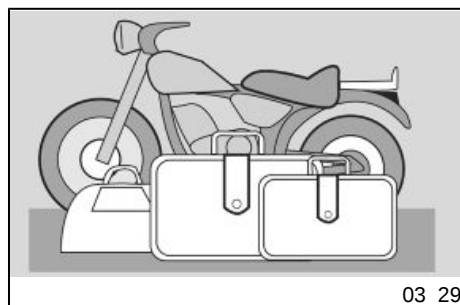
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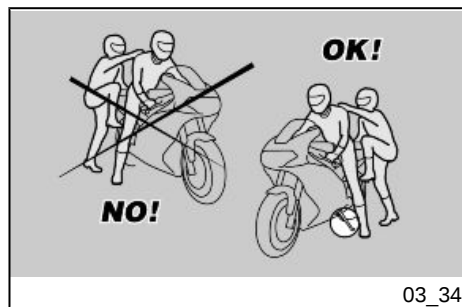
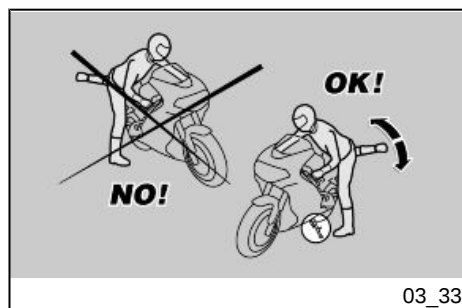
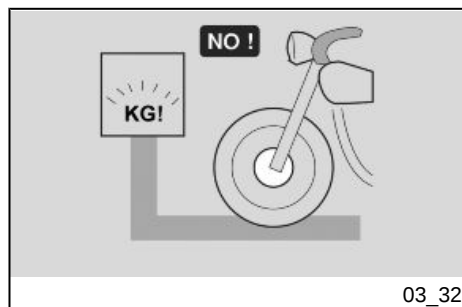


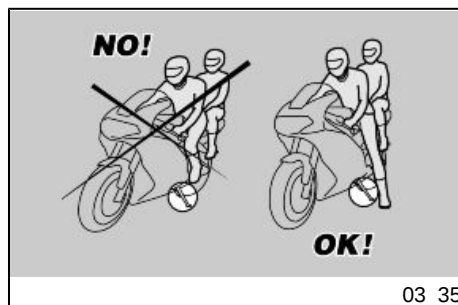












Basic safety rules (03_34)

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

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

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



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

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

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

IMPORTANT

THE RIDER SHOULD ALWAYS BE THE FIRST TO MOUNT AND THE LAST TO DISMOUNT FROM THE VEHICLE, AND SHOULD CONTROL THE STABILITY AND

EQUILIBRIUM OF THE VEHICLE WHILE THE PASSENGER IS MOUNTING AND DISMOUNTING

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

IMPORTANT

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

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

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

IMPORTANT

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

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

MOUNTING

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

IMPORTANT

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

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

IMPORTANT

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

- 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 THE VEHICLE IS STABLE.

Breva V1100



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



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



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

KEEP OUT OF THE REACH OF CHILDREN.

DISPOSE OF OIL CORRECTLY.



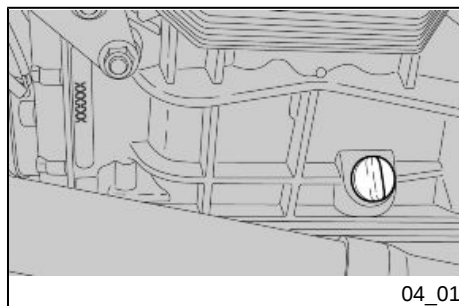
PAY UTMOST ATTENTION WHEN PUTTING OIL IN YOUR VEHICLE NOT TO SPILL IT OUT.

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

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



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



04_01

Engine oil level check (04_01, 04_02)

Periodically check the engine oil level.

To carry out the check:



THE ENGINE OIL LEVEL CHECK MUST BE PERFORMED WITH THE ENGINE WARM AND WITH THE DIPSTICK NOT SCREWED IN.

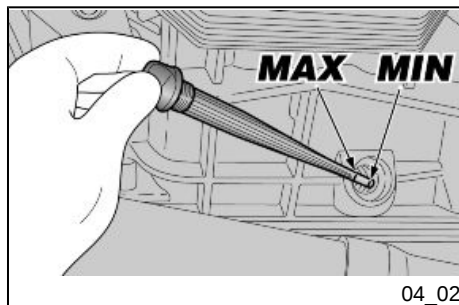
CHECKING THE ENGINE OIL LEVEL WITH THE ENGINE COLD COULD CAUSE THE OIL TO TEMPORARILY DESCEND BELOW THE "MIN" LEVEL.

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

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.

THE CORRECT PROCEDURE IS TO CHECK OIL LEVEL AFTER A TRIP OR IN ANY CASE AFTER HAVING RIDDEN AT LEAST 10 MI (15 KM) OUTSIDE OF THE CITY. THIS IS SUFFICIENT TO WARM UP THE ENGINE OIL.



04_02

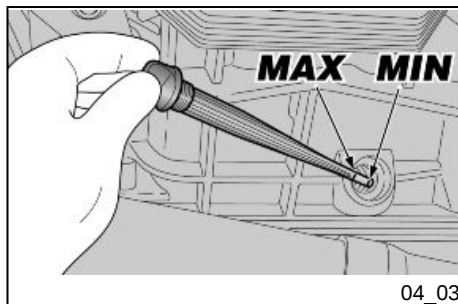
- Stop the engine.
- Keep the vehicle in a vertical position, with both wheels resting on the ground.
- Unscrew the oil refilling cap/dipstick.
- Clean the dipstick and reinsert it, without screwing it in.
- Remove it again, and check the oil level.
- The correct oil level is near the "**MAX**" mark.

Engine Oil Top Off (04_03)

IMPORTANT



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



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)



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

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

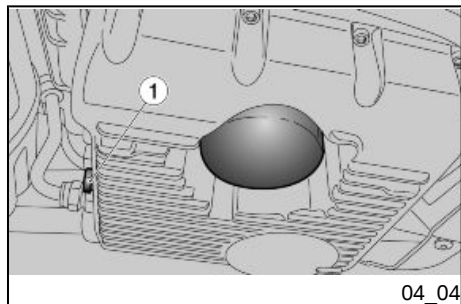
IF YOU WISH TO PERFORM THESE OPERATIONS YOURSELF, FOLLOW THESE INSTRUCTIONS.

IMPORTANT

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



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

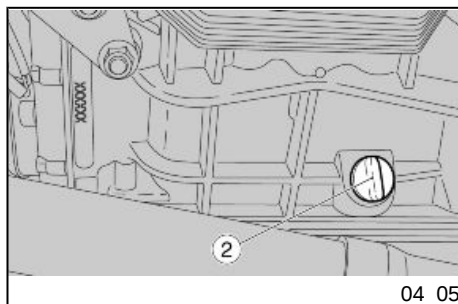


- Place a container with a capacity of at least 244 cuin (4000 cc) underneath the drainage cap (1).
- Unscrew and remove the drainage cap (1).
- Unscrew and remove the refilling cap (2).
- Drain the oil and let it drip for a few minutes into the container below.
- Check, and if necessary, replace the washers from the drainage cap (1).
- Remove the metal residue attached to the magnet in the drainage cap (1).
- Screw in and lock the drainage cap (1).

Drainage cap tightening torque (1): 8.85 lbft (12 Nm).



DO NOT DISPOSE OF OIL IN THE ENVIRONMENT.



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

REPLACEMENT OF THE ENGINE OIL FILTER

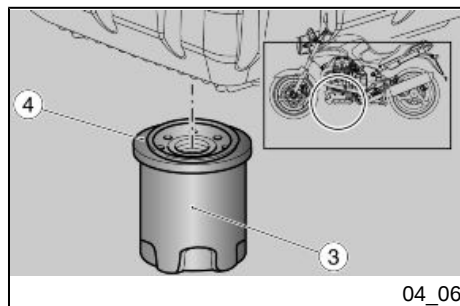
Replace the engine oil filter every time you change your engine oil.

- Remove the engine oil filter (3) unscrewing it from its post.

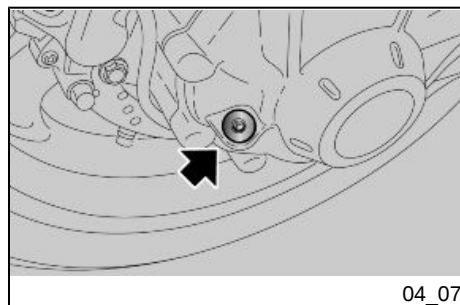
WARNING



DO NOT REUSE A FILTER THAT HAS ALREADY BEEN USED.



- Smooth a layer of oil on the gasket ring (4) of the new engine oil filter.
- Insert and screw the new filter into the seat, tightening it by hand.



Universal joint oil level (04_07)

Periodically check the shaft oil level.

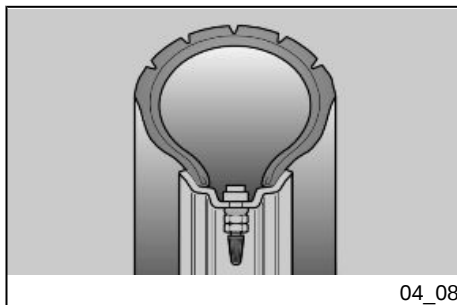
To carry out the check:

- 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.

For oil top up and replacement of the transmission fluid in the cardan shaft transmission, contact an Official Moto Guzzi Dealership.

Gearbox oil level

- To check, top off, and change the transmission fluid, contact an **Official Moto Guzzi Dealership**.



Tires (04_08, 04_09)

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

IMPORTANT

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

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

EVENTUALLY THE VEHICLE MIGHT SKID IN A BEND.

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

SOME TYRE TYPES APPROVED FOR THIS VEHICLE FEATURE WEAR INDICATORS.

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

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

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

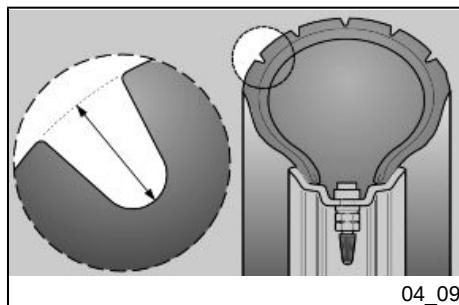
WHEEL MUST BE BALANCED AFTER A TYRE IS MENDED.

USE ONLY TYRE SIZES INDICATED BY THE MANUFACTURER. DO NOT FIT TYRES WITH INNER TUBES ON RIMS FOR TUBELESS TYRES OR VICE VERSA.

CHECK THAT THE INFLATION VALVES HAVE THEIR CAPS FITTED TO AVOID UNEXPECTED FLAT TYRES.

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

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



Minimum tread depth:

front and rear USA <METRICCONVERTER w:st="on" productid="3 mm">0.118 in (USA <METRICCONVERTER w:st="on" productid="3 mm">3 mm) Eu 0.079 in<METRICCONVERTER w:st="on" productid="2 mm"> (Eu 2 mm) and however not below the values prescribed by the legislation in force in the country in which the vehicle is used.

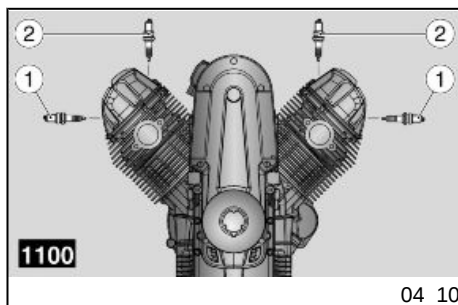
Spark plug removal (04_10, 04_11, 04_12, 04_13, 04_14)



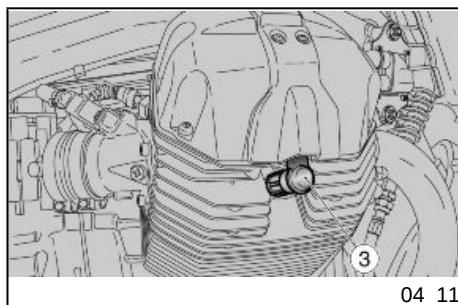
THE FOLLOWING INSTRUCTIONS REFER SOLELY TO OUTER SPARK PLUGS (1). THE 1100 VERSION ALSO HAS TWO INNER SPARK PLUGS (2).CONTACT AN Official Moto Guzzi Dealership TO HAVE THESE REPLACED.



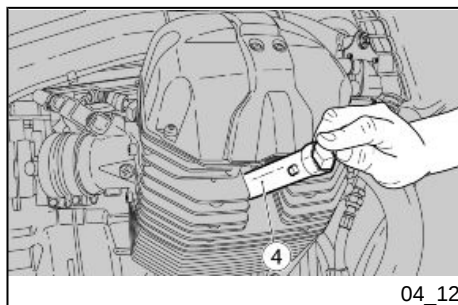
ALWAYS REPLACE BOTH OUTER SPARK PLUGS (1) TOGETHER, EVEN IF ONLY ONE NEEDS REPLACING.



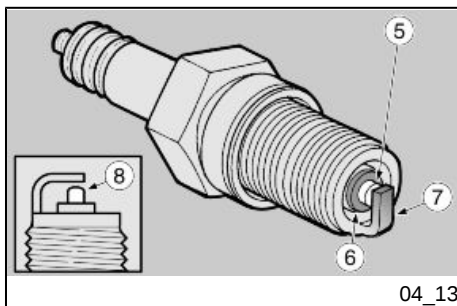
04_10



04_11



04_12



To remove:

- Remove the electrical connection tube (3) from the spark plug.
- Completely clean the base of the spark plug.
- Affix the appropriate wrench included in the tool kit.
- In the hexagonal post of the spark plug wrench, insert the wrench (4) included in the tool kit.
- Unscrew the spark plug and remove it from its place, taking care to not allow dust or other material to enter inside the cylinder.

Checking and cleaning:



DO NOT USE METAL BRUSHES AND/OR ABRASIVE PRODUCTS TO CLEAN SPARK PLUGS; USE ONLY A SHORT BLAST OF COMPRESSED AIR.

Key:

- central electrode (5);
- insulator (6);
- side electrode (7);

- Check that the electrodes and spark plug insulator do not show traces of carbon deposits and or corrosion. If required, clean them using a jet of compressed air.

If the spark plug shows cracks on the insulator, corroded electrodes, excessive deposits, or if the top (8) of the central electrode (5) has become rounded, the spark plug must be replaced.

- Check the gap between the electrodes with a wire gauge (9).

IMPORTANT

DO NOT ATTEMPT TO READJUST THE ELECTRODE GAP.

The gap between electrodes should be between **0.023 - 0.027 in (0,6 - 0,7 mm)**. If it is different, replace the spark plug.

- Make sure that the washer (10) is in good condition.

Installation:

- Once the washer (10) is fitted, manually screw in the spark plug to avoid damaging the thread.
- Tighten using the wrench supplied in the tool kit, turning each spark plug 1/2 turn to compress the washer.

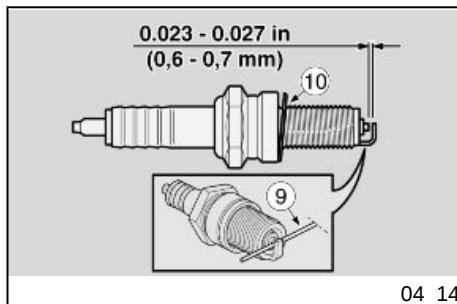
Spark plug tightening torque: 14.7 lbft (20 Nm).

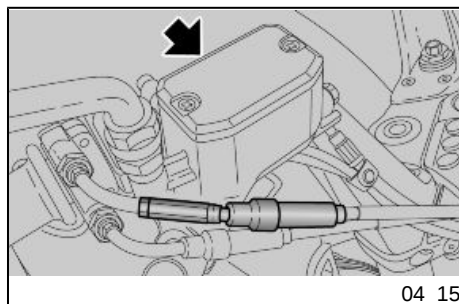
IMPORTANT

TIGHTEN THE SPARK PLUG CORRECTLY. OTHERWISE, THE ENGINE MAY OVERHEAT AND GET IRRETRIEVABLE DAMAGED.

USE ONLY THE RECOMMENDED TYPE OF SPARK PLUG, OTHERWISE, ENGINE DURATION AND PERFORMANCE COULD BE COMPROMISED.

- Place the spark plug tube correctly so that it does not get detached due to engine vibrations.





Checking the brake fluid level (04_15, 04_16)

Checking brake fluid

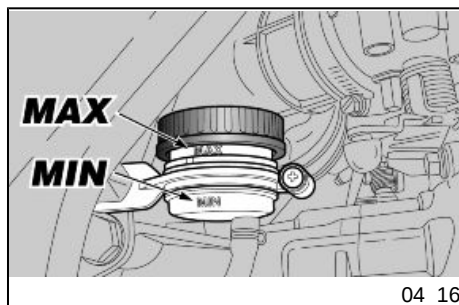
- Rest the vehicle on its stand.
- For the front brake, turn the handlebar all the way to the right.
- For the rear brake, keep the vehicle upright so that the fluid in the reservoir is at the same level as the plug.
- Make sure that the fluid level in the reservoir is above the "**MIN**" reference mark:

MIN = minimum level

MAX = maximum level

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

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



Checking clutch fluid (04_17)

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

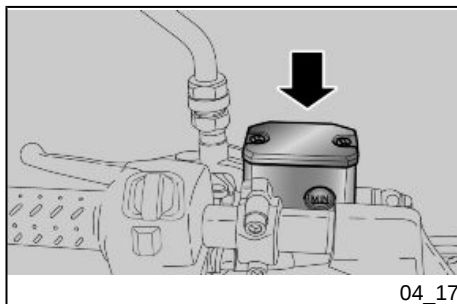


THE CLUTCH IS EXTREMELY IMPORTANT FOR YOUR SAFETY. DO NOT USE THE VEHICLE IF THE CLUTCH IS NOT FUNCTIONING PERFECTLY. ALWAYS CHECK THE FUNCTIONING OF THE CLUTCH BEFORE SETTING OFF.

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

CHECK THAT THE CLUTCH TUBE IS NOT GLAZED OR TWISTED, AND IS NOT LEAKING FLUID.

KEEP THE TRANSMISSION CLUTCH FLUID OUT OF REACH OF CHILDREN. DISPOSE OF CLUTCH FLUID PROPERLY.

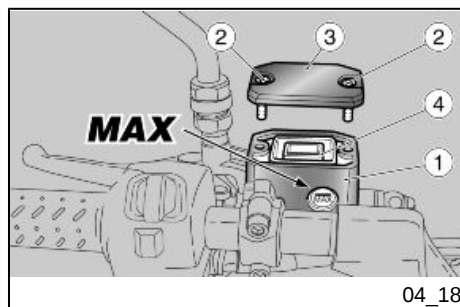


- Place the vehicle on the stand.
- Turn the wheel partially to the right so that the clutch fluid in the reservoir is parallel to the edge of the clutch fluid reservoir.
- Check that the liquid contained in the tank exceeds the "MIN" mark.

MIN = minimum level

MAX = maximum level

If the fluid does not reach at least the "MIN" mark, top off the level.



Topping up clutch fluid (04_18)

- Using a Phillips head screwdriver unscrew the two screws (2) from the clutch liquid tank (1).
- Lift up and remove the cap (3) including the screws
- (2).Remove the gaskets (4).

Top up the clutch liquid, putting in enough to completely cover the glass that corresponds to the max level.



TO AVOID SPILLING FLUID WHILE TOPPING-UP, KEEP THE TANK PARALLEL TO THE RESERVOIR EDGE (IN HORIZONTAL POSITION).

DO NOT ADD ADDITIVES OR OTHER SUBSTANCES TO THE FLUID.

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



RISK OF CLUTCH LIQUID SPILLAGE. DO NOT USE THE CLUTCH LEVER WHILE THE CLUTCH FLUID TANK CAP IS LOOSENED OR REMOVED.

KEEP A CLOTH UNDER THE CLUTCH FLUID TANK AS PROTECTION AGAINST POSSIBLE SPILLAGE.



AVOID PROLONGED EXPOSURE OF THE CLUTCH FLUID TO THE AIR.

THE CLUTCH FLUID IS HYGROSCOPIC AND ABSORBS MOISTURE WHEN IN CONTACT WITH THE AIR.

LEAVE THE CLUTCH FLUID TANK OPEN ONLY FOR THE TIME NEEDED TO COMPLETE THE REFILL PROCEDURE.

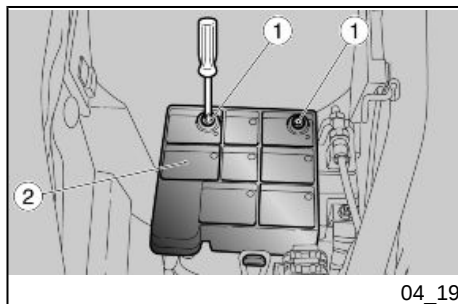
- Replace the gaskets (4) correctly.
- Reposition the cap (3).
- Screw in the screws tightly (2).



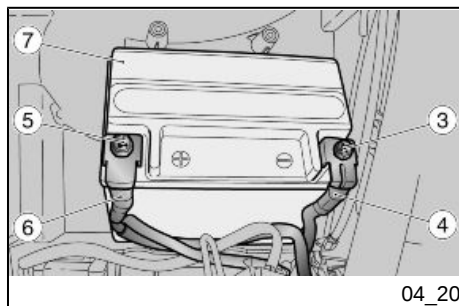
WHILE PERFORMING THE TOP UP, DO NOT FILL OVER THE "MAX" LEVEL.

CHECK THE CLUTCH PERFORMANCE.

IF THE CLUTCH FREE TRAVEL IS TOO LONG, OR IN THE CASE OF A LOSS IN THE PERFORMANCE IN THE CLUTCH SYSTEM, CONTACT AN Official Moto Guzzi Dealership, AS IT MAY BE NECESSARY TO PURGE AIR FROM THE SYSTEM.



04_19



Use of a new battery (04_20)

- Make sure that the ignition switch is in the "OFF" position.
- Remove the saddle compartment.
- Unscrew the two screws (1) and move the cover (2) aside.
- 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 cables (6) to the side.
- Take careful hold of the battery (7) and remove it from its post, lifting up.
- Place the battery on a flat surface, in a cool, dry location.
- Replace the saddle compartment.

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

IMPORTANT

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



CHECK THAT THE CABLE TERMINALS AND BATTERY LEADS ARE:

- IN GOOD CONDITION (NOT CORRODED OR COVERED BY DEPOSITS);

- COVERED BY NEUTRAL GREASE OR PETROLEUM JELLY.

Electrolyte level check

WARNING

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

Charging the Battery

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

IMPORTANT



WHEN RECHARGING OR USING THE BATTERY, BE CAREFUL TO HAVE THE ROOM ADEQUATELY AIRED. DO NOT BREATHE GASES RELEASED WHEN THE BATTERY IS RECHARGING.

Switch on the battery charger.

Characteristic

CHARGE MODES

Recharge - Ordinary

Electric Current - 1.8A

Time - 8-10 hours

Long periods of inactivity



WHEN THE VEHICLE WILL NOT BE USED FOR MORE THAN TWENTY DAYS, DISCONNECT THE 30A FUSE, OTHERWISE THE MULTIFUNCTION COMPUTER WILL CONTINUE TO DRAW POWER, RUNNING DOWN THE BATTERY.

IMPORTANT

REMOVING THE 30A FUSE WILL RESET ALL FUNCTIONS: THE DIGITAL CLOCK, TRIP INFORMATION, AND CHRONOMETER MEASUREMENTS.

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

- Remove the battery.

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.

Fuses (04_21, 04_22, 04_23, 04_24, 04_25, 04_26, 04_27)

IMPORTANT



DO NOT ATTEMPT TO REPAIR FAULTY FUSES.

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

NOTE

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

Checking the fuses is necessary whenever an electrical component fails to operate or is malfunctioning or when the engine does not start.

Check the auxiliary fuses (2) first, then the ABS system fuses (3) (where provided), and finally the main fuses (4).

To carry out the check:

- Position the ignition switch to "OFF", in order to avoid an accidental short circuit.
 - Remove the rider's saddle.
 - Open the cover of the secondary fuse box (1) (2).
-
- Remove one fuse at a time and check if the filament is broken.
 - Before replacing the fuse, find and solve, if possible, the problem that caused the problem.
 - If the fuse is damaged, replace it with one of the same amperage.

NOTE

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

- Perform the check of the main fuses using the procedures described above for the auxiliary fuses.

NOTE

REMOVING THE 30A FUSE WILL RESET ALL FUNCTIONS: THE DIGITAL CLOCK, TRIP INFORMATION, AND CHRONOMETER MEASUREMENTS.

ARRANGEMENT OF AUXILIARY FUSES

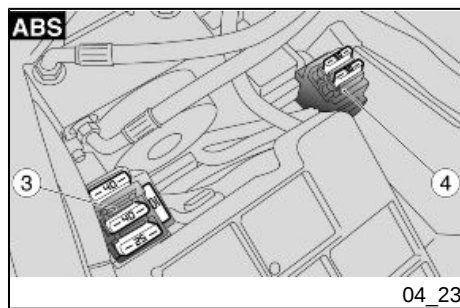
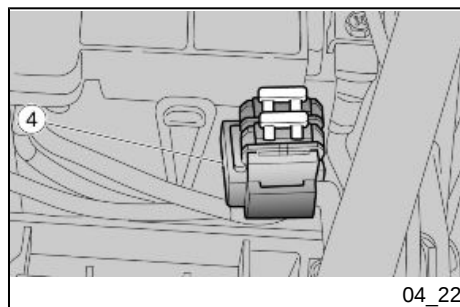
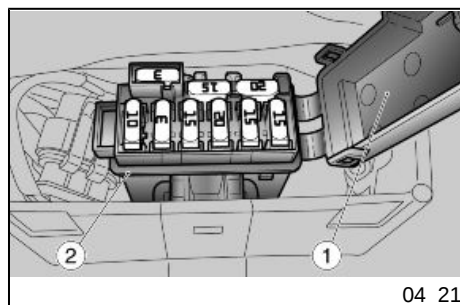
(a) 15A fuse	Stop, horn, HAZARD light button illumination, light relay coil
(b) 15A fuse	Position lights, ignition relay coil, passing
(c) 20A fuse	Fuel pump, coils, injectors
(d) 15A fuse	Oxygen sensor burner, secondary injection relay coil, starter relay coil, speed sensor supply
(e) 3A fuse	Permanent positive, ECU power
(f) 10A - ABS fuse	ABS System
3A - 15A - 20 A	Spare fuses

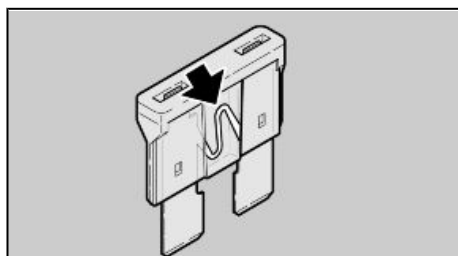
ARRANGEMENT OF ABS FUSES

(g) 40A - ABS fuse	ABS hydraulic pump
(h) 25A - ABS fuse	ABS electromagnetic valve

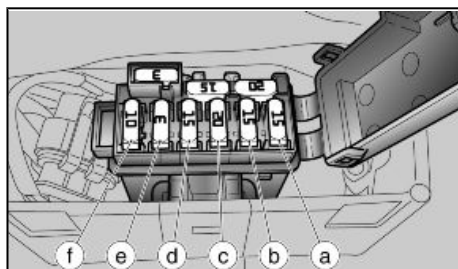
ARRANGEMENT OF MAIN FUSES

(i) 30A fuse	From the battery to the voltage regulator:
(j) 30A fuse	From battery to key and 'c' and 'd' fuses
-	One fuse is a spare

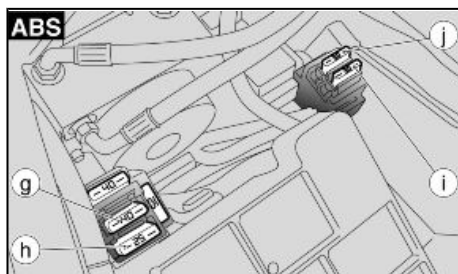




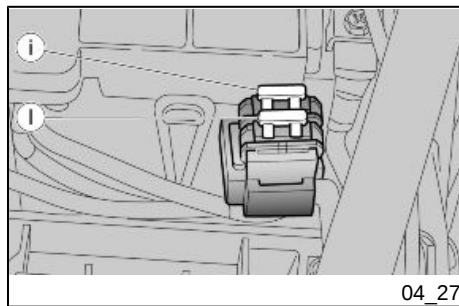
04_24



04_25



04_26



04_27

Lights (04_28, 04_29, 04_30, 04_31)



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

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

IMPORTANT

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

WEAR CLEAN GLOVES OR USE A CLEAN DRY CLOTH TO REPLACE THE BULB.

DO NOT LEAVE PRINTS ON THE BULB AS THIS MAY CAUSE IT TO OVERHEAT OR EVEN BLOW OUT. IF YOU TOUCH THE BULB WITHOUT WEARING GLOVES, CLEAN OFF PRINTS WITH ALCOHOL TO AVOID DAMAGING THE BULB.

DO NOT FORCE ELECTRICAL CABLES.

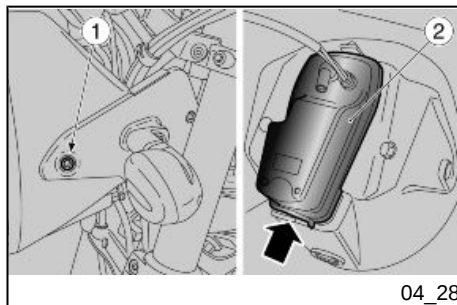
REPLACEMENT OF THE FRONT HEADLIGHT BULB

The front light contains:

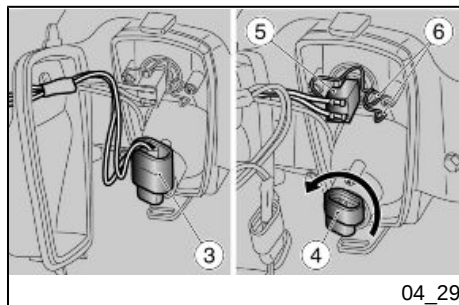
- one high beam light bulb (lower).
- one low beam light bulb (upper);
- one position light bulb (lower);

To replace the high beam and low beam light bulbs:

- Remove the light, unscrewing the two side screws (1).
- Remove the cover (2), pushing it upwards, then free the lower hook. Last, slide out the upper tab of the housing.

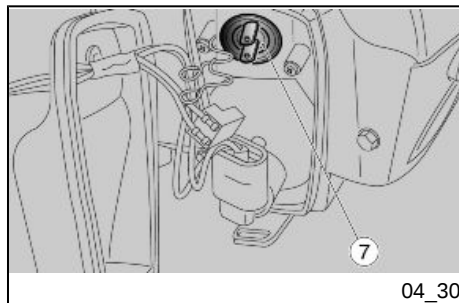


04_28



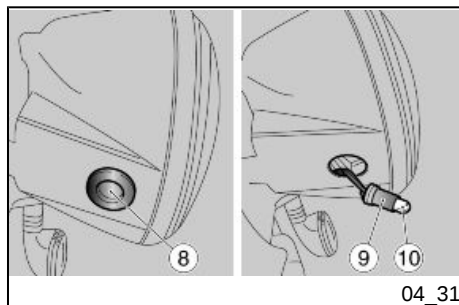
HIGH BEAM LIGHT BULB

- Disconnect the connector (3).
- Rotate the ring nut counterclockwise and extract the bulb body (4).
- Replace the bulb with an identical one.
- Replace the bulb housing in its place and turn it clockwise until it is firmly in place.
- Connect the connector (3).



LOW BEAM LIGHT BULB

- Grasp the bulb's electric connector (5), pull it out and disconnect it from the bulb.
- Unhook the two ends of the retaining spring (6).
- Remove the bulb (7) from its housing.
- Install properly, in the bulb housing, a bulb of the same type, taking care that it is positioned in the appropriate slots.
- Reattach the retaining springs (6).
- Reconnect the connector (5).



POSITION LIGHT BULB

- Remove the closing rubber washer (8).
- Grasp the position light holder (9), pull and remove it from its housing.
- Slide out the bulb (10) and replace it with one of the same type.
- Replace the bulb holder (9) in its housing and the closing rubber washer (8).

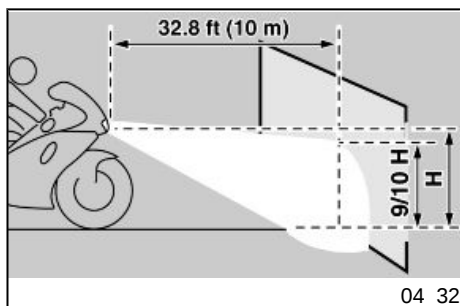
Headlight adjustment (04_32, 04_33, 04_34)

NOTE

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

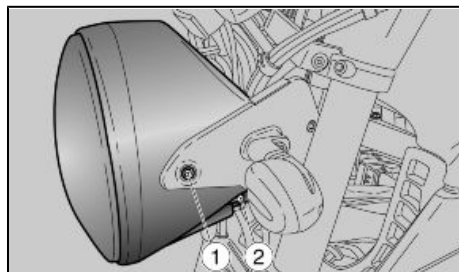
A quick procedure to check the correct adjustment of the front light beam:

- 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 vehicle and check that the light beam projected to the wall is a little below the headlight horizontal straight line (about 9/10 of the total height).

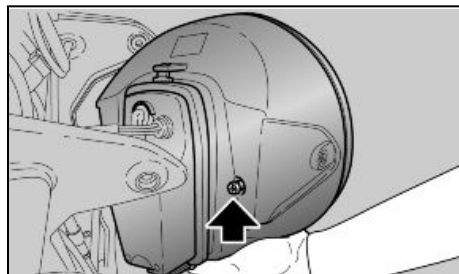


To adjust the height of the vertical light beam:

- Place the vehicle on the center stand.
- To adjust the angle, adjust the screw (2).



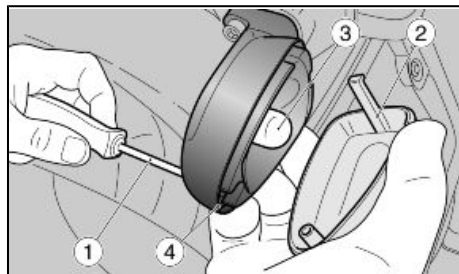
04_33



04_34

To set the horizontal placement of the light beam:

- Place the vehicle on the stand.
- Remove the two screws (1) (one for each side).
- Keeping the light raised up, adjust the screw to regulate the position of the light beam.
- Replace the light in its housing, inserting the two screws (1), and check that the positioning is correct.
- If the positioning is correct, screw in the two screws (1).



04_35

Front direction indicators (04_35)

- Unscrew and remove the screw (1)
- Remove the protective screen (2), using caution so as to not break the locating peg.
- 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, ensuring that the two pins slide into their respective slots on the bulb holder.

Rear lights

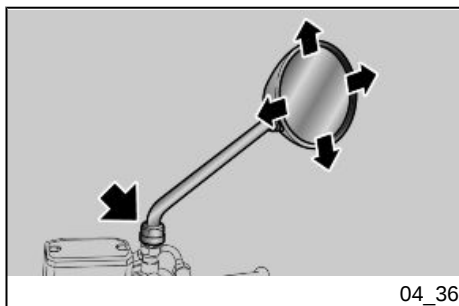
The motorcycle is equipped with rear LED lights. It is recommended that you contact an official **Moto Guzzi** Dealership to replace them.

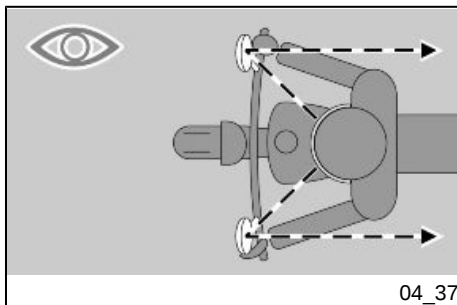
Rear turn signals

For the replacement of the rear turn signals, proceed as indicated above for the front turn signals.

License plate light

Given the complexity of this operation, it is recommended that you contact an Official **Moto Guzzi** Dealership.





Rear-view mirrors (04_36)



DO NOT RIDE WITH REAR-VIEW MIRRORS INCORRECTLY SET.

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

To remove the rearview mirrors:

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



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

- Slide up and remove the complete 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_38, 04_39, 04_40)

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



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

Your vehicle is equipped with disc brakes with separate braking systems.

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



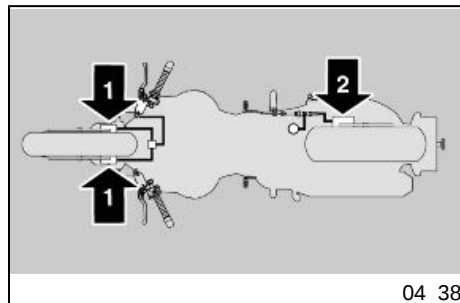
BRAKES ARE EXTREMELY IMPORTANT FOR YOUR SAFETY. DO NOT USE YOUR VEHICLE IF THE BRAKES ARE NOT WORKING PERFECTLY. ALWAYS CHECK THE EFFICIENCY OF THE BRAKES BEFORE RIDING THE VEHICLE.



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

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

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



IMPORTANT

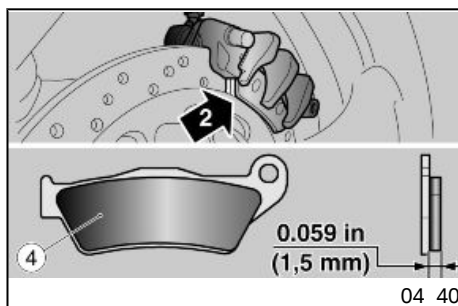
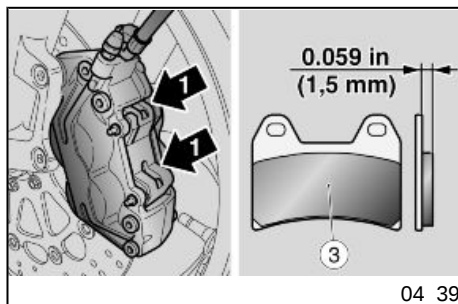


A DIRTY DISC SMEARS THE PADS RESULTING IN POOR BRAKING.

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

IMPORTANT

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

**IMPORTANT**

CHECK BRAKE PADS FOR WEAR MAINLY BEFORE EACH RIDE.

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 the other side of the motorcycle, through the rim, for the rear brake caliper (2).

IMPORTANT

EXCESSIVE WEAR OF THE FRICTION MATERIAL MAKES THE PAD METAL SUPPORT GET INTO CONTACT WITH THE DISC, WHICH RESULTS IN A METALLIC NOISE AND SPARKS IN THE CALLIPER; THEREFORE, BRAKING EFFICIENCY AND DISC SAFETY AND INTEGRITY ARE AT RISK.

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_41)

In case of prolonged vehicle inactivity:

- Remove the battery.
- Wash and dry the vehicle.
- Wax painted surfaces.
- Inflate the tires.
- Do not empty the fuel tank. However, if it is available, you can add a fuel additive available at an Official Moto Guzzi Dealership, or at an automobile parts store. Follow the instructions on the additive container closely.
- 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

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

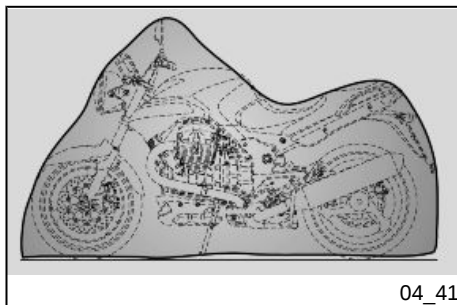


BEFORE PERFORMING THE FOLLOWING OPERATIONS, LET THE ENGINE AND THE EXHAUST SILENCER COMPLETELY COOL DOWN. NOT FOLLOWING THIS INSTRUCTION COULD LEAD TO SERIOUS FIRES AND BURNS.

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

IMPORTANT

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



RETURNING THE VEHICLE TO USE

- Remove the plastic bag from the exhaust pipe opening.
- Uncover and clean the vehicle.
- Check battery charge.
- Proceed with the operations foreseen in the preliminary check table.



CHECK THE PERFORMANCE AND SAFETY OF YOUR VEHICLE, RIDING AT A MODERATE SPEED IN AN AREA WITH LITTLE TRAFFIC BEFORE BEGINNING TO RIDE IN HEAVY TRAFFIC AGAIN.

Cleaning the vehicle (04_42, 04_43, 04_44)

Clean the motorcycle frequently if exposed to adverse conditions, such as:

- Air pollution (cities and industrial areas).
- Salinity and humidity in the atmosphere (seashore areas, hot and wet weather).
- Special environmental/seasonal conditions (use of salt, anti-icing chemical products on the roads in winter).
- Always clean off any smog and pollution residue, tar stains, insects, bird droppings, etc. from the bodywork.
- Avoid parking the vehicle under trees. During some seasons, resins, fruits or leaves containing aggressive chemical substances that may damage the paintwork may fall from trees.
- Clean the dashboard with a soft, damp cloth.

IMPORTANT

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

IMPORTANT

IN CASE OF DISCOLOURATION OF THE SILENCER, APPLY FINISHING POLISH WITH A SOFT CLOTH.

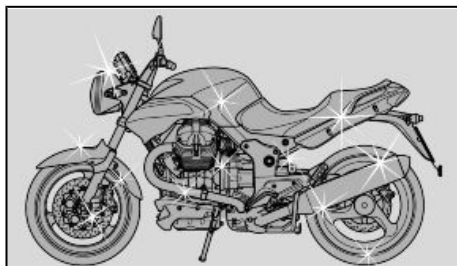
IMPORTANT

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

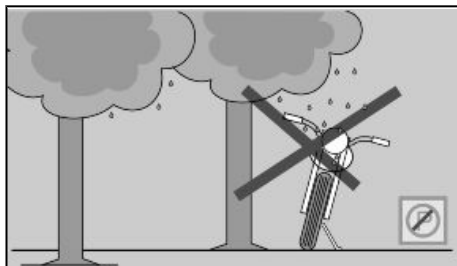
IMPORTANT**WARNING**

AFTER HEAVY RAIN, WASHING OR IN CASE OF RAPID TEMPERATURE CHANGES, THE LENSES OF THE FRONT LIGHT ASSEMBLY MAY BECOME FOGGY.

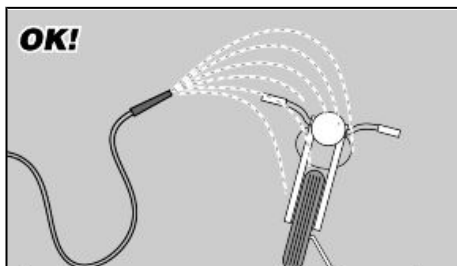
THIS STATE IS DUE TO THE TEMPERATURE DIFFERENCE BETWEEN THE OUTSIDE AND THE INSIDE AND DOES NOT INDICATE A FAULT OF THE FRONT LIGHT ASSEMBLY.



04_42



04_43



04_44

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 LIGHT ASSEMBLIES, USE A SPONGE SOAKED IN WATER AND MILD DETERGENT, GENTLY RUBBING THE SURFACE AND RINSING FREQUENTLY WITH PLenty OF WATER.

DO NOT CLEAN THE FRONT LIGHT ASSEMBLY WITH DETERGENTS CONTAINING TENSIOACTIVE AGENTS AND/OR ALCOHOL.

REMEMBER TO CLEAN THE VEHICLE CAREFULLY BEFORE APPLYING SILICON WAX POLISH. DO NOT POLISH MATT-PAINTED SURFACES WITH POLISHING PASTE. THE VEHICLE SHOULD NEVER BE WASHED IN DIRECT SUNLIGHT, ESPECIALLY DURING SUMMER, OR WITH THE BODYWORK STILL HOT AS THE CAR SHAMPOO CAN DAMAGE THE PAINTWORK IF IT DRIES BEFORE BEING RINSED OFF.

IMPORTANT

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

IMPORTANT



DO NOT USE WATER (OR OTHER LIQUIDS) AT A TEMPERATURE OF OVER 104 °F (40°C) WHEN CLEANING THE PLASTIC PARTS 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 SADDLE COMPONENTS WITH ALCOHOL OR SOLVENTS: USE WATER AND MILD SOAP ONLY.

IMPORTANT

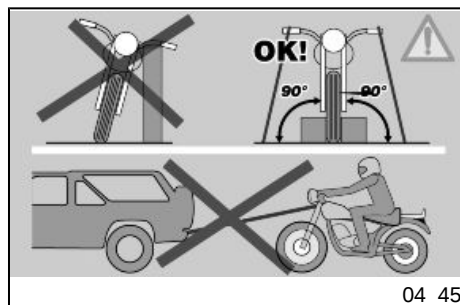
DO NOT USE SOLVENTS OR PETROL BY-PRODUCTS (ACETONE, TRICHLORO-ETHYLENE, TURPENTINE, PETROL, THINNERS) TO CLEAN THE SADDLE. USE INSTEAD DETERGENTS WITH SURFACE ACTIVE AGENTS NOT EXCEEDING 5% (NEUTRAL SOAP, DEGREASING DETERGENTS OR ALCOHOL).

DRY THE SADDLE WELL AFTER CLEANING.

IMPORTANT



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



Transport (04_45)

Do not completely empty the fuel tank, either partially or totally. This could cause damage to the internal components of the fuel tank or to other parts of the fuel system. Always make sure that the fuel tank cap is closed correctly.

During transportation, the vehicle should remain vertical, to avoid possible oil or fuel spills; it should be securely fastened, with the wheels blocked.

Transport your vehicle only when the gear shift is in neutral.

Not following these recommendations could lead to serious damage to the transmission due to vibrations during transportation.

IF STRANDED, DO NOT HAVE THE VEHICLE TOWED. CONTACT A ROAD ASSISTANCE SERVICE.

Breva V1100



Chap. 05
Technical data

DIMENSIONS AND WEIGHT

Max. length	86.4 in (2195 mm)
Max. width	34.2 in (870 mm)
Max height	44.3 in (1125 mm)
Saddle height	31.5 in (800 mm)
Center to center distance	58.85 in (1495 mm)
Minimum ground clearance	7.3 in (185 mm)
Kerb weight	547 lb (248 Kg)

TRANSMISSION

Gear ratio	Primary with helical teeth 26/35
Internal ratio 1° gear	17 / 38 (secondary)
Internal ratio 2° gear	20 / 34 (secondary)
Internal ratio 3° gear	23 / 31 (secondary)
Internal ratio 4° gear	26 / 29 (secondary)
Internal ratio 5° gear	31 / 30 (secondary)
Internal ratio 6° gear	29 / 25 (secondary)

Secondary Drive	12 / 44 (Cardan)
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CAPACITY

Fuel	41.8 pt (23 liters) including reserve
Fuel reserve	7.3 pt (4 liters)
Engine oil	Oil and filter replacement: 220 cuin (3600 cc)
Transmission oil	30.5 cuin (500 cc)
Fork oil	24.4 +/- 0.15 cuin (400 +/- 2,5 cc) for each stem
Seats	2
Vehicle max. load (rider + passenger + luggage)	507 lb (230 Kg)

FUEL SUPPLY

Type	Magneti Marelli IAW5A multipoint sequential phased injection, Alfa-n system with stepper engine; 2 1.77 in (45 mm) throttle bodies with
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	Weber IW031 injectors, closed loop lambda probe
Diffuser	diam. 1.77 in (45 mm)
Fuel	USA unleaded fuel minimum octane rating (R+M)/2 method 90

CHASSIS AND SUSPENSION

Frame - type	high yield strength tubular steel
Frame - headstock angle	25° 30'
Frame - Trail	4.72 in (120 mm)
Frame - Steering angle	32°
Suspension - front	hydraulic telescopic fork diam. 1.77 in (45 mm) with adjustable spring preloading
Front suspension travel	4.72 in (120 mm)
Suspension - rear	single sided with progressive linkage, single shock absorber with adjustable rebound, adjustable preloading settings with ergonomic handle.
Rear suspension travel	5.51 in (140 mm)

BRAKES

Brake - front	dual stainless steel floating disc brake, diameter 12.6 in (320 mm.) 4 paired differentiated calipers
Brake - rear	stainless steel disc brake diameter 11.1 in (282 mm.), parallel dual calipers

WHEELS AND TIRES

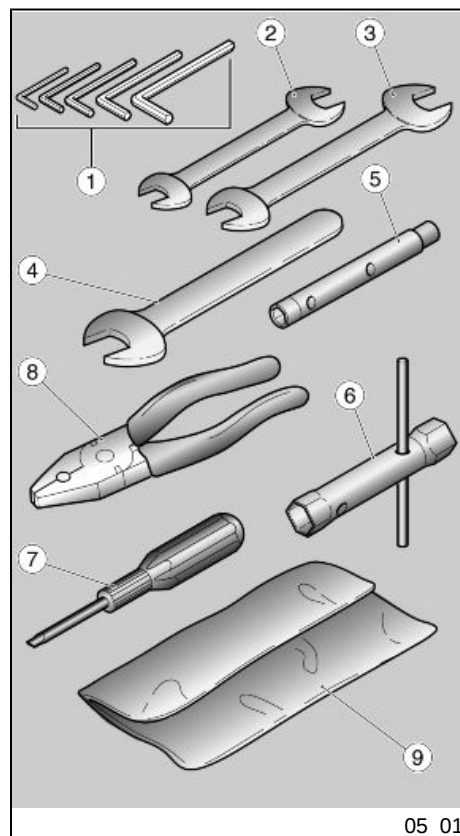
Wheel rims - type	3 hollow spokes in aluminum alloy, chill cast
Wheel rims - front	3.5" x 17"
Front wheel attached with pin locknut	59 lbft (80 Nm)
Wheel rims - rear	5.5" x 17"
rear wheel screws tightening	81 lbft (110 Nm)
Tyres	METZELER Roadtec Z6 METZELER Z8 MICHELIN Pilot Road DUNLOP D220 ST Sportmax DUNLOP Qualifier

Tires - front measurement	120/70 - ZR 17" 58 W
Tires - Front pressure	36.3 PSI (250 kPa) (2.5 bar)
Tires - Front pressure with passenger	36.3 PSI (250 kPa) (2.5 bar)
Tires - rear measurement	180 / 55 - ZR 17" 73 W
Tires - Rear pressure	40.6 PSI (280 kPa) (2.8 bar)
Tires - Rear pressure with passenger	40.6 PSI (280 kPa) (2.8 bar)

ELECTRICAL SYSTEM

Spark plugs - Inner	long life NGK PMR8B
Spark plugs - Outer	NGK BPR6ES
Spark plugs - electrode gap	0.024 - 0.027 in (0,6 - 0,7 mm)
Electrical system - battery	12 V - 18 Amp/h
Electrical system - Main fuses	30 A
Electrical system - ABS fuses	40 - 25 A
Electrical system - Auxiliary fuses	3 - 15 - 20 A (only for 10A ABS)

Electrical system - Generator	with permanent magnet 12 V - 550 W
Bulbs - position light	12V - 5W
Low beam bulb	12 V - 55 W H7
High beam bulb	12 V - 65 W H9
Bulbs - Turn signals	12 V - 10 W (orange)
Bulbs - Tail light/brake light	LED
Bulbs - Instrument panel lighting	LED
Bulbs - License plate light	12V - 5W
Warning lights - Turn signal	LED
Warning lights - ABS	LED
Warning lights - Alarm	LED
Warning lights - Neutral gear	LED
Warning lights - Side stand down	LED
Warning lights - High beam light	LED
Warning lights - Fuel reserve	LED
Warning lights - Antitheft device	LED



Toolkit (05_01)

The tools supplied are:

- bent Allen wrenches 0.10 - 0.12 - 0.16 - 0.20 - 0.24 in (2,5 - 3 - 4 - 5 - 6 mm) (1);
- double fork wrench 0.31 - 0.39 in (8 - 10 mm) (2);
- double fork wrench 0.51 - 0.55 in (13 - 14 mm) (3);
- fork wrench 0.75 in (19 mm) (4);
- socket wrench 0.31 - 0.39 in (8 - 10 mm) (5);
- socket wrench 0.67 - 0.83 in (17 - 21 mm) for the spark plug (6) and adjustment of fork preloading;
- double-sided Phillips head/flathead screwdriver (7);
- pincers (8);
- a tool bag (9).

Maximum weight allowed: 11 lb (5 kg) in the glove compartment plus 11 lb (5 kg) in the tool kit compartment.

Breva V1100



Chap. 06
Scheduled
maintenance

Scheduled servicing table

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

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

AT EVERY START UP

Engine oil pressure light - check and clean, adjust, lubricate or replace if necessary

BEFORE EVERY TRIP AND EVERY 1250 MI (2000 KM)

Tire pressure - Adjust

Brake pad wear - Check and clean, adjust, or replace if necessary

END OF RUN-IN PERIOD (932 MI (1500 KM))

Exhaust pipe flanges retaining bolts - check and clean, adjust, lubricate or replace if necessary

Transmission cables and controls - Check and clean, adjust, lubricate or replace if necessary

Steering bearings and steering clearance - Check and clean, adjust, lubricate or replace if necessary

Brake discs - Check and clean, adjust, or replace if necessary

Engine oil filter - Replace

Fork - Check and clean, adjust, lubricate

General running of the vehicle - Check and clean, adjust, lubricate or replace if necessary

Braking system - Check and clean, adjust, lubricate or replace if necessary

Light system - Check and clean, adjust, or replace if necessary

Safety switches - Check and clean, adjust, lubricate or replace if necessary

Transmission oil - change

Engine oil - replace

Final transmission fluid - replace

Tires - Check and clean, regulate, or replace if necessary

Tire pressure - Adjust

Engine revs at idle speed - Adjust

Valve clearance - Adjust

Wheels - Check and clean, adjust, lubricate or replace if necessary

Nut, bolt, screw tightening - Check and clean, adjust, lubricate or replace if necessary

Battery leads tightening - Check and clean, adjust, lubricate or replace if necessary

Cylinder synchronization - Check and clean, adjust, lubricate or replace if necessary

Suspension and track alignment - Check and clean, adjust, lubricate or replace if necessary

Brake pad wear - Check and clean, adjust, or replace if necessary

EVERY 4 YEARS

Fuel pipes - replace

Brake lines - replace

EVERY 3125 MI (5000 KM) - IF USED IN COMPETITION

External spark plugs - replace

Engine oil filter - Replace

Engine oil - replace

Bleed the oil drain line from the air box - Clean

Brake pad wear - Check and clean, adjust, lubricate or replace if necessary

EVERY 6250 MI (10.000 KM) OR 12 MONTHS

External spark plugs - replace

Idle mixture (CO) - Check and clean, adjust, lubricate or replace if necessary

Transmission cables and controls - Check and clean, adjust, lubricate or replace if necessary

Steering bearings and steering clearance - Check and clean, adjust, lubricate or replace if necessary

Wheel bearings - Check and clean, adjust, lubricate, or replace if necessary

Brake discs - Check and clean, adjust, or replace if necessary

Air filter - Check and clean, adjust, lubricate or replace if necessary

Engine oil filter - Replace

General running of the vehicle - Check and clean, adjust, lubricate or replace if necessary

Braking system - Check and clean, adjust, lubricate or replace if necessary

Transmission oil - change

Engine oil - replace

Final transmission fluid - replace

Valve clearance - Adjust

Wheels - Check and clean, adjust, lubricate or replace if necessary

Nut, bolt, screw tightening - Check and clean, adjust, lubricate or replace if necessary

Cylinder synchronization - Check and clean, adjust, lubricate or replace if necessary

Bleed the oil drain line from the air box - Clean

Fuel pipes - Check and clean, adjust, lubricate or replace if necessary

Brake lines - Check and clean, adjust, lubricate or replace if necessary

Brake pad wear - Check and clean, adjust, lubricate or replace if necessary

**AFTER THE FIRST 6250 MI (10000 KM) AND EVERY
12500 MI (20000 KM) THEREAFTER**

Fork oil - Replace

Fork oil seals - Replace

EVERY 12500 MI (20000 KM) OR 24 MONTHS

Internal spark plugs - Replace

Alternator belt - Adjust; every 31050 mi (50000 km) replace
Air filter - Replace
Fork - Check and clean, adjust, lubricate
Brake fluid - Change
Suspension and track alignment - Check and clean, adjust, lubricate or replace if necessary
Brake pad wear - Check and clean, adjust, or replace if necessary

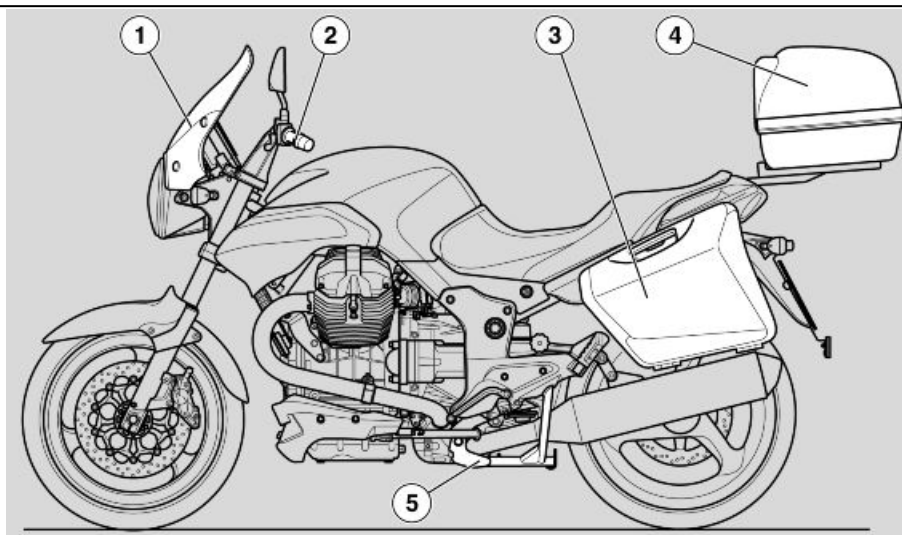
RECOMMENDED PRODUCTS

Product	Description	Specifications
Engine oil 10W-60	Synthetic based Lubricant for four stroke high performance engines.	SAE 10W 60; JASO MA, MA2; API SG
Transmission oil 80W-90	Lubricant for gearboxes and transmissions.	SAE 80W-90; API GL-4
85W-90 gearbox oil	Lubricant for gearboxes.	API GL-5
Fork oil 7.5W	Fork oil.	SAE 7.5W
Molybdenum disulphide grease	Lithium grease with molybdenum disulphide.	Grey black grease
Petroleum jelly	neutral grease for battery terminals	-
DOT 4 brake fluid	Synthetic brake fluid.	SAE J 1703; FMVSS 116; ISO 4925; CUNA NC 956 DOT4
DOT 5.1 clutch fluid	Synthetic clutch fluid.	FMVSS 116 - DOT 5.1 synthetic, non-silicone based fluid

Breva V1100



Chap. 07
Special fittings



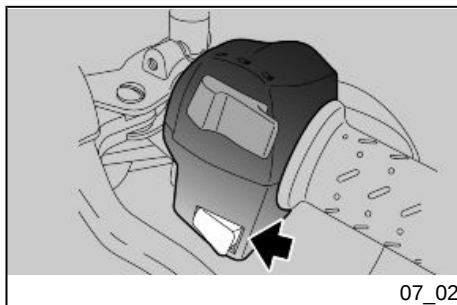
07_01

Index accessoires (07_01)

The following accessories are available:

1. windshield
2. heated handgrips
3. side bags
4. glove compartment
5. center stand

- electronic antitheft



07_02

Heated handgrips (07_02)

This accessory may be installed on your vehicle, in some versions they are factory-standard.

To use this function:

- to activate it, press and hold the button;
- pressing it briefly allows you to regulate the intensity;
- to deactivate it, press and hold the button.

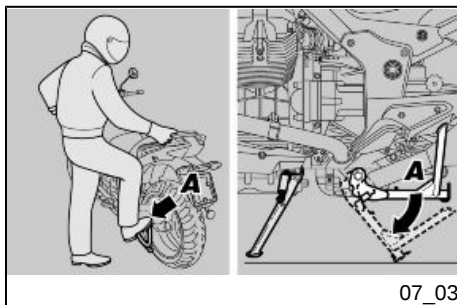
When you turn off the engine, the heating function also turns off. The next time you turn on the engine, the heated handgrip system will reactivate to the last power setting selected.

Center stand (07_03, 07_04)

- Grip the left lever and the handle.



PUSH THE SIDE STAND WITH YOUR RIGHT FOOT, EXTENDING IT COMPLETELY IN ORDER TO AVOID YOUR VEHICLE FALLING OR FLIPPING OVER, IN THE CASE THAT IT LOSES BALANCE.

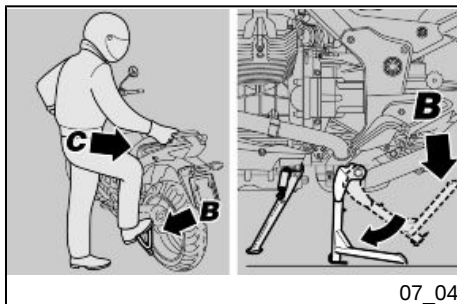


- Push on the lever for the center stand (Pos. A) and rest it on the ground.



ACT WITH CAUTION

POSITIONING THE VEHICLE ON THE CENTER STAND CAN BE DIFFICULT BECAUSE OF THE VEHICLE'S SIGNIFICANT WEIGHT. LET GO OF THE LEVER AND HANDLE ONLY AFTER HAVING POSITIONED THE VEHICLE ON THE STAND.



- Put the weight on the lever (Pos. B) of the center stand and at the same time move the center of gravity towards the rear (pos. C) of the motorcycle.
- Replace the side stand

INDEX

A

ABS: 63
Advanced functions: 49

B

Battery: 13, 122, 123
Brake: 12, 80, 118, 137
Brake fluid: 118
Brake lever: 80
Buttons: 47

C

Center stand: 165
Chronometer: 44
Clutch: 12, 81, 118, 120
Clutch fluid: 12, 118, 120
Clutch lever: 81

D

Disc brake: 137

E

Engine oil: 12, 106, 108–110
Engine stop: 62

F

Fork: 79
Fuel: 9
Fuses: 125

H

Headlight: 133
Heated handgrips: 165
Horn: 59

I

Identification: 67
Ignition switch: 57
Instrument panel: 42
Instrument Panel: 42

M

Maintenance: 105, 155
Mirrors: 136

S

Saddle: 65
Shock absorbers: 77
Spark plug: 115
Stand: 14, 84, 165
Start-up: 61

T

Technical data: 147
Tires: 113
Turn signals: 135

U

Use: 17, 69, 122

W

Warning lights: 11



THE VALUE OF GOOD SERVICE

Only the mechanics of the official Moto Guzzi Service Network know this vehicle well, thanks to constant technical professional development and Moto Guzzi-specific training programs, and have the tools needed to carry out maintenance and repair operations correctly.

The bike's reliability also depends on its mechanical condition. Checking the vehicle before setting off, carrying out routine maintenance and using only Moto Guzzi Original Spare parts is key!

To find your nearest Official Dealer and or Service Center, use the Yellow Pages or the map provided on our Official Internet Site:

www.motoguzzi.it

Only by asking for Moto Guzzi Original Spare Parts will you get a product designed and tested during the vehicle's development phase. Moto Guzzi Original Spare Parts are subject to systematic quality control procedures so that their reliability and performance over time is guaranteed.

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