

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.

V85 TT - V85 TT Travel E5



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.

V85 TT - V85 TT Travel E5



Chap. 01
General rules

General Safety Rules

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

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

Foreword

NOTE

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

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

Thank you for choosing **Moto Guzzi**.

We wish you a pleasant ride!

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

IMPORTANT



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

IMPORTANT



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

Fuel

IMPORTANT



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

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

DO NOT ALLOW FUEL TO DISPERSE INTO THE ENVIRONMENT.

KEEP OUT OF THE REACH OF CHILDREN.



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

Hot Components

The engine and the exhaust system components get very hot and remain in this condition for a certain time interval after the engine has been switched off. Before handling these components, make sure that you are wearing insulating gloves or wait until the engine and the exhaust system have cooled down.

Warning Lights



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



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

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



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

Used Engine Oil and Gearbox Oil

IMPORTANT



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

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

WASH YOUR HANDS CAREFULLY AFTER HANDLING OIL.

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

DO NOT DISPOSE OF OIL IN THE ENVIRONMENT

KEEP OUT OF THE REACH OF CHILDREN.

Brake fluid



BRAKE FLUID MAY BE HARMFUL TO PAINTWORK, PLASTIC AND RUBBER. WHEN SERVICING THE BRAKING SYSTEM, PROTECT THESE COMPONENTS WITH A CLEAN CLOTH. ALWAYS WEAR PROTECTIVE GOGGLES WHEN SERVICING THESE SYSTEMS. BRAKE FLUID IS EXTREMELY HARMFUL TO THE EYES. IN THE EVENT OF ACCIDENTAL CONTACT WITH THE EYES, RINSE THE EYES IMMEDIATELY WITH PLENTY OF COOL, CLEAN WATER AND SEEK IMMEDIATE MEDICAL ATTENTION.

KEEP OUT OF THE REACH OF CHILDREN.

Battery Hydrogen Gas and Electrolyte

IMPORTANT



THE BATTERY ELECTROLYTE IS TOXIC, CORROSIVE AND, AS IT CONTAINS SULPHURIC ACID, MAY CAUSE BURNING IF IT COMES INTO CONTACT WITH THE SKIN. WHEN HANDLING BATTERY ELECTROLYTE, WEAR TIGHT-FITTING GLOVES AND PROTECTIVE APPAREL. IN THE EVENT OF SKIN CONTACT WITH THE ELECTROLYTIC FLUID, RINSE WELL WITH PLENTY OF CLEAN WATER. IT IS PARTICULARLY IMPORTANT TO PROTECT YOUR EYES BECAUSE EVEN TINY AMOUNTS OF BATTERY ACID MAY CAUSE BLINDNESS. SEEK SPECIALISED MEDICAL ATTENTION IMMEDIATELY IN THE EVENT OF CONTACT WITH THE EYES. THE BATTERY RELEASES EXPLOSIVE GASES; KEEP IT AWAY FROM FLAMES, SPARKS, CIGARETTES OR ANY OTHER HEAT SOURCES. EN-

SURE ADEQUATE VENTILATION WHEN SERVICING OR RECHARGING THE BATTERY.

KEEP OUT OF THE REACH OF CHILDREN.

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

General Precautions and Warnings

DANGER OF OVERHEATING

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

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

TAMPERING

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

DANGER OF BURNS

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

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

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

IMPORTANT

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

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

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

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

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

LIST OF DEFECTS THAT COMPROMISE THE SAFETY

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

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

Additional information can be obtained by calling the specified number.

Road Regulations and Use of the Motorcycle

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

IMPORTANT



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

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

Noise Emission Warranty

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

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

257 Park Avenue South, 4th Floor,

New York, NY 10010

U.S.A.

Origin of the Emissions

IMPORTANT



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

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

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

Tampering

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

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

or

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

These tampering actions also include the actions listed below:

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

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

c) Insufficient proper maintenance.

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

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

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

IMPORTANT



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

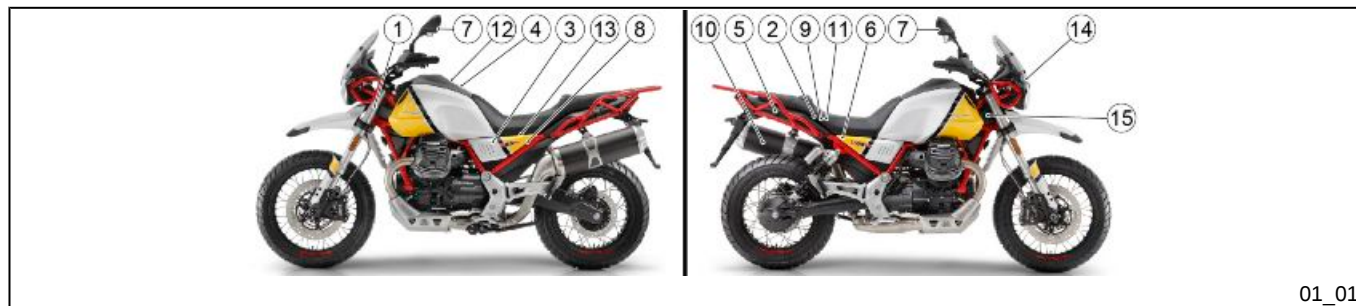
Problems that May Affect the Motorcycle Emissions

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

Symptoms:

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

Position of the Warning Labels (01_01)



01_01

Label 1 (01_02, 01_03)

☐ MFD BY MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A. THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE VIN: ☐ TYPE: MOTORCYCLE ☐	☐ GVWR ??? KG (??? LB) GAWR R. ??? KG (??? LB) WITH ???/?? - ??? ??? TIRE AND 1.?? x ?? MT DOT RIM AT ??? KPa (?? PSI) COLD GAWR R. ??? KG (??? LB) WITH ???/?? - ??? ??? TIRES AND 1.?? x ?? MT DOT RIM or ???/?? - ??? ??? TIRE AND 1.?? x ?? MT DOT RIM AT ??? KPa (?? PSI)
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USA

01_02

○	MFD BY / FABRIQUE PAR:	○	MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A.	○
GVWR / PNBV: ??? KG FRONT / AVANT GVWR / PNBV: ??? KG REAR / ARRIERE GVWR / 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)

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

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

-???

CARBON CANISTER
SCHEME

01_04

Label 3 (01_05)

⚠ WARNING!

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

-???- 

	Tires pressure kPa - (psi)		Tires size
	Front tire	Rear tire	
	??? (??)	??? (??)	Front tire ?????? { ???/?? ??' ?? ?????? ??????
	??? (??)	??? (42)	Rear tire ?????? { ???/?? ??' ?? ?????? ??????
	??? (??)	??? (??)	

01_05

Label 4 (01_06)

⚠ WARNING!

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

THIS CAN CAUSE LOSS OF CONTROL.

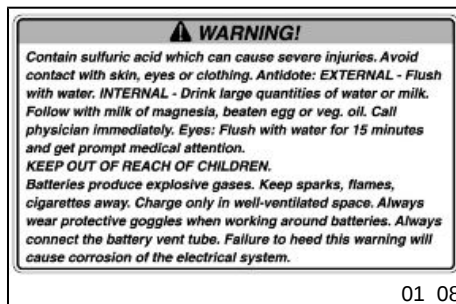
01_06

Label 5 (01_07)

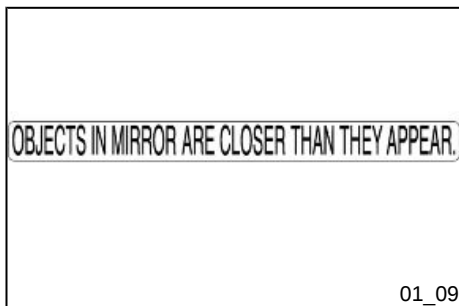


01_07

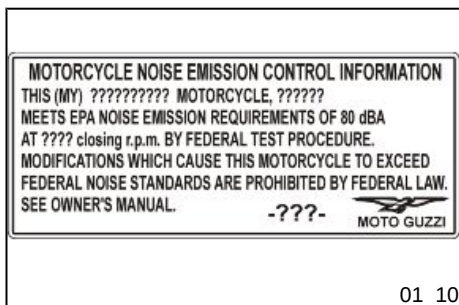
Label 6 (01_08)



01_08



Label 7 (01_09)



Label 8 (01_10)

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: ?????		PIAGGIO GROUP AMERICAS, Inc.
ENGINE TUNE UP SPECIFICATIONS IGNITION TIMING: ??° ± ?° AT ???? RPM IDLE SPEED: ??? ± ??? RPM IN NEUTRAL VALVE CLEARANCE: INLET ?.???±?.??? inch (?..??±?.?? mm) OUTLET ?.???±?.??? inch (?..??±?.?? mm) SPARK PLUG: ????? FUEL: MINIMUM OCTANE RATING (M+R)/2 METHOD 90 OIL: ENGINE OIL VISCOSITY SAE ??-?? -???-		
MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A. V. le Rinaldo Piaggio, 25 56025 Pontedera (PI) ITALY		 MOTO GUZZI

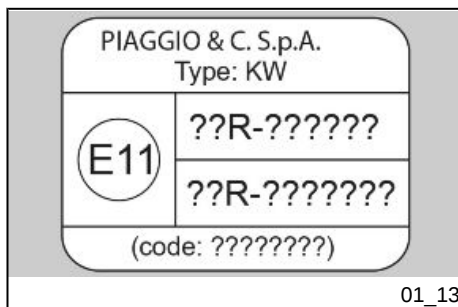
01_11

Label 9 (01_11)

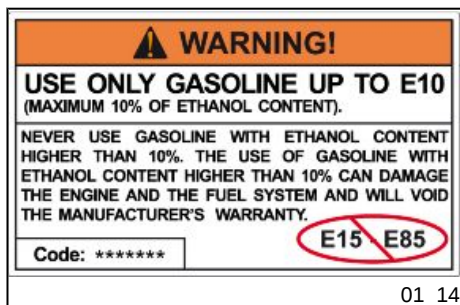
Muffler stamping

01_12

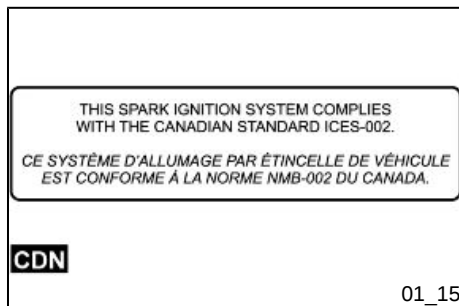
Label 10 (01_12)



Label 11 (01_13)

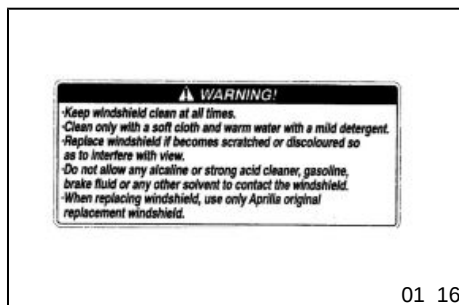


Label 12 (01_14)

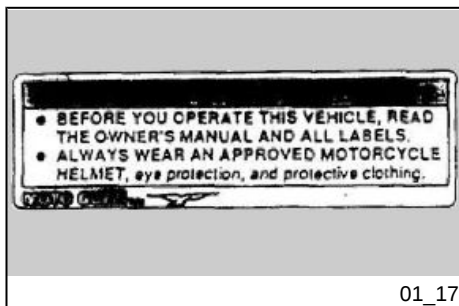


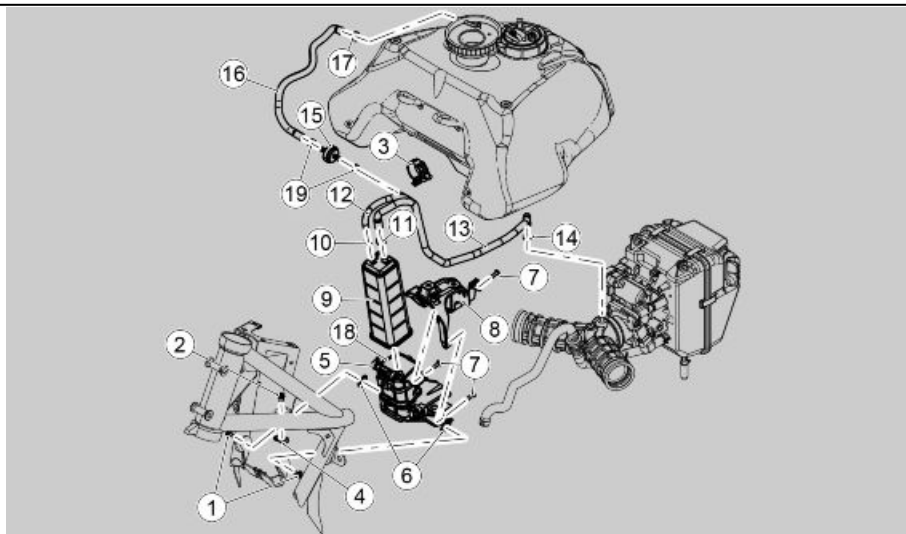
Label 13 (01_15)

- Plate only on the Canada version vehicle.



Label 14 (01_16)

Label 15 (01_17)**Evaporative emissions control system (01_18)**



01_18

Key:

1. TBEI flanged screw M5x12
2. M6x16 Flanged hex cap screw
3. Pipe/cables return clip
4. Elastic plate M6
5. Support bracket
6. Clip M5
7. Flanged cross-head SWP screw M5x20
8. Upper bracket
9. Canister
10. Pipe clamp
11. 15,5x6.6 D. click clamp
12. Canister / valve pipe
13. Admission joint canister pipe

14. Clamp 12.5x8
15. Safety valve
16. SAE 30 pipe, diam.12.7x6.35
17. White snap-on clamp diam. 13x6
18. Clamp 3,6x375
19. Pipe clamp

Manufacturer's Warranty Coverage

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

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

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

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

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

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

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

and

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

Owner's Warranty Responsibilities

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

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

I - Coverage.

Defects under warranty must be repaired during normal business hours by an Official **Moto Guzzi** Dealer based in the United States of America in accordance with the Clean Air Act and applicable regulations of the United States Environmental Protection

Agency and California Air Resources Board. All components replaced under this warranty will become the property of **Piaggio Group Americas, Inc.**

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

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

II - Limitations

The Emission Control System Warranty does not cover the following:

a) Repairs or replacements necessary as a result of:

- (1) accidents,
- (2) improper use,
- (3) improperly performed repairs or replacements with incorrect installation,

(4) use of spare parts or accessories that do not comply with Moto Guzzi specifications which could adversely affect the performance,

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

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

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

III – Limited liability

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

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

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

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

IV - Legal rights

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

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

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

VI - Additional information

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

Piaggio & C. S.p.A.

via G. Galilei, 1

30033 Noale (VE) Italy

Piaggio Group Americas, Inc.

257 Park Avenue South, 4th Floor

New York, NY 10010 U.S.A.

Telephone number: (212) 380 4400

V85 TT - V85 TT Travel E5



Chap. 02
Vehicle

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



02_01



02_02

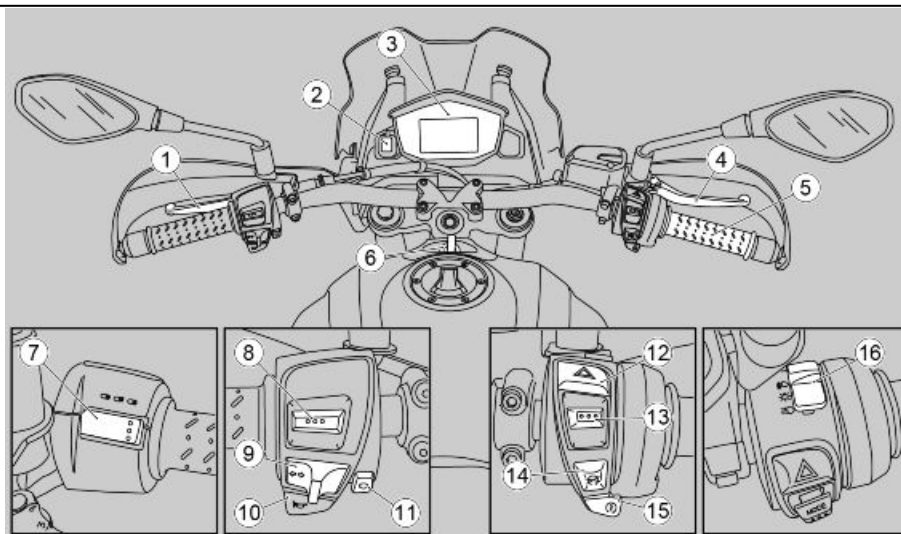
Key:

1. Headlamp
2. Headlamp support frame
3. Adjustable windscreen
4. Front left turn indicator
5. USB port
6. Instrument panel
7. Left hand guard
8. Clutch lever
9. Left rear-view mirror
10. Left light switch
11. Fuel tank cap
12. Fuel tank
13. Air filter

14. Left side fairing
15. Main fuses
16. Two-seater saddle
17. Accessory support frame
18. Taillight
19. Seat lock
20. Licence plate light
21. Rear left turn indicator
22. Left case (if fitted)
23. Silencer
24. Rear brake calliper
25. Rear tone wheel sensor
26. Rear tone wheel
27. Passenger left footrest
28. Side stand
29. Left rider footrest
30. Gear shift lever
31. Engine oil level inspection port
32. Engine oil filler plug
33. Sump guard
34. Horn
35. Front left brake calliper
36. Left front brake disc
37. Left stanchion guard
38. Left fork stanchion
39. Left hand reflector
40. Front mudguard
41. Left fog light (if fitted)
42. Rear right turn indicator
43. Secondary fuses
44. Right side fairing
45. Accelerator control
46. Right light switch
47. Right rear-view mirror
48. Front brake lever
49. Right hand guard
50. Front right turn indicator
51. Right fog light (if fitted)

- 52. Right hand reflector
- 53. Right fork stanchion (adjustable)
- 54. Front tone wheel
- 55. Front tone wheel sensor
- 56. Front right brake calliper
- 57. Rear brake oil tank
- 58. Rear brake lever
- 59. Right rider footrest
- 60. Rear shock absorber (adjustable)
- 61. Right passenger footrest
- 62. Right case (if fitted)

Dashboard (02_03)



02_03

Key:

1. Clutch control lever
2. USB port
3. Instruments and gauges
4. Front brake lever
5. Throttle grip
6. Ignition switch /steering lock
7. Passing / high beam light switch
8. Cruise Control button
9. Flasher switch
10. Horn button
11. Heated hand grips
12. Hazard lights activation switch
13. MODE selector switch

14. Motor cut-out switch
15. Starter button
16. Switch for DRL / side lights / additional headlight



Instrument panel (02_04, 02_05)

Key:

1. Multifunctional digital display box.
2. Indicator lights.



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

The vehicle is delivered to the customer with two pre-programmed keys. The dashboard accepts a maximum of four keys at the same time: contact an Official **Moto Guzzi** dealer to enable these keys or to disable a key that has been lost. Upon vehicle delivery, approximately ten seconds after the key is set to ON, the instrument cluster requests a personal five-digit code to be entered.

To enter the personal code, refer to chapter "Advanced functions"

On the leftmost value of the display, a variable value is shown that can be modified from 0 to 9, by using the MODE selector. Press the centre of the MODE selector to confirm each of the five digits. Once confirmed, the display shows the code in a fixed manner, this is so the user can check the code that has been entered. To remove the screen showing the code that has been entered, carry out a KEY OFF- KEY ON cycle. In the future you can always change the last code entered. This request message is no longer displayed once the personal code is entered.

It is important to remember the personal code because:

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

NOTE

IF THE PERSONA CODE IS NOT MEMORISED AND THE VEHICLE IS USED, THE MESSAGE DISAPPEARS AFTER 10 SECONDS BUT REAPPEARS WITH EACH KEY ON.

NOTE

THE FACTORY SET CODE IS COMPOSED OF FIVE ZEROES.



Light Unit (02_06)

Key:

1. Neutral indicator lamp, green.
2. High beam indicator lamp, blue.
3. Cruise control indicator lamp, green.
4. ABS Warning Light, orange.
5. MI warning light, orange.
6. Turn indicator warning light, green.
7. Overspeed threshold/gear shift indicator light, white/orange/red; MGCT indicator lamp, orange
8. Immobilizer indicator lamp, red.
9. Low fuel warning light, orange.
10. MGCT indicator light, orange.
11. General warning light, red.
12. DRL on indicator lamp, green.
13. Side stand warning light, orange.

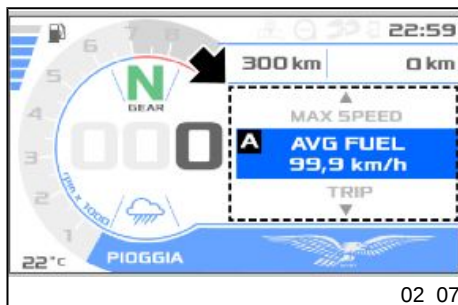
Digital LCD Display (02_07, 02_08, 02_09, 02_10, 02_11, 02_12, 02_13)

NOTE

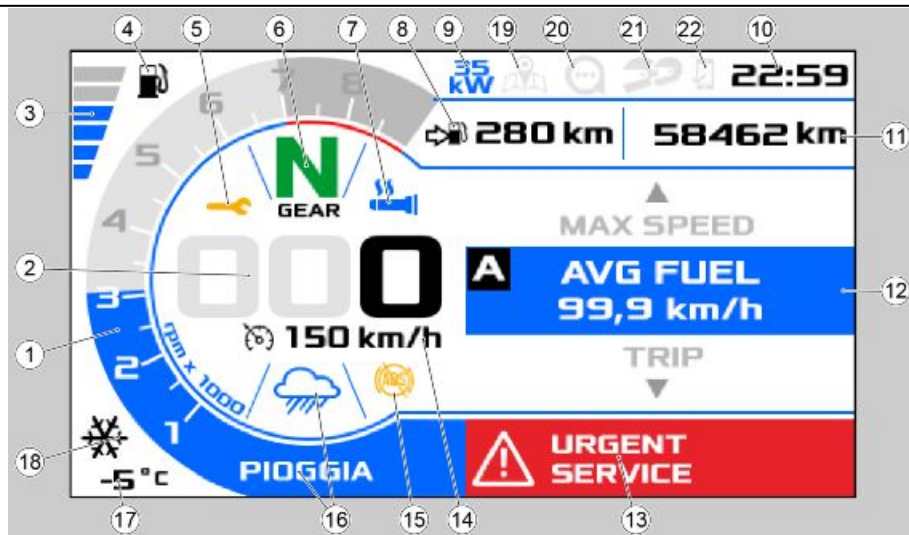
THE DASHBOARD IS PROVIDED WITH A TWILIGHT SENSOR THAT, BASED ON THE AMBIENT LIGHTING, CAN PASS FROM DAYLIGHT MODE TO NIGHT TIME MODE, CHANGING THE COLOUR OF THE BACKGROUND WHEN "AUTO" (AUTOMATIC) MODE IS SET IN THE ADVANCED FUNCTIONS.

- Turning the ignition switch to 'KEY ON', the following illuminate on the dashboard for about two seconds:
 - A dynamic graphic presentation.
 - All indicator lights on.

Using the MODE selector it is possible to move between the various information available in the "trip journal".



The following information can be seen in the digital display



02_08

Key:

- 1) Engine revs (rpm x 1000).
- 2) Speed (speedometer) (displayed in mph or km/h).
- 3) Fuel gauge.
- 4) Reserve fuel symbol.
- 5) Maintenance icon.
- 6) Gear selected (displayed only with the engine running and the vehicle moving).
- 7) Heated handles (if present).

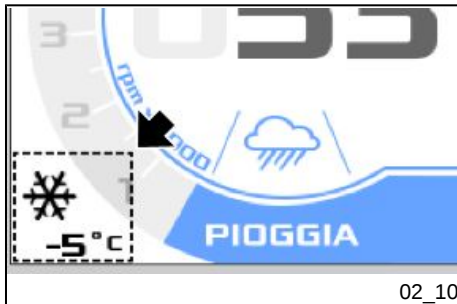
- 8) Remaining range in miles or Km.
 - 9) Presence of underpowered map indicator (35kW).
 - 10) Clock (can be displayed both in 24 H mode and 12 H mode without AM / PM indication).
 - 11) Odometer.
 - 12) Journal of the trip computer.
 - 13) Information pop-ups.
 - 14) Cruise control.
 - 15) Indication regarding the ABS system only on the front wheel in the "OFF ROAD" mode only.
 - 16) Riding mode selected.
 - 17) Ambient temperature (can be displayed in F° or C°).
 - 18) Ice hazard icon (displayed at temperatures from 5 F° (-15 C°) to 37.4 F° (+3 C°)) / Battery alert indicator (voltage between poles too low).
- If the MGMP ECU is fitted:**
- 19) GPS/Navigator (where active).
 - 20) Data transmission with smartphone.
 - 21) Rider/passenger intercom.
 - 22) Audio transmission with smartphone for calling, sending vocal commands and playing music.



MAINTENANCE ICON

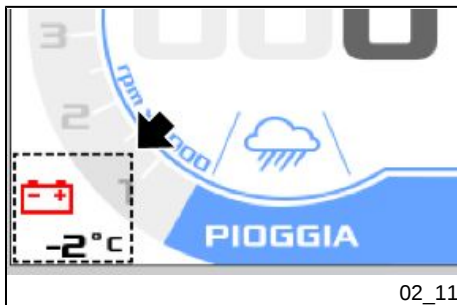
When a maintenance interval threshold is exceeded, an icon with a spanner is shown.

This indicator may be reset once the scheduled service has been completed by an **authorised Moto Guzzi Dealer or service centre**.



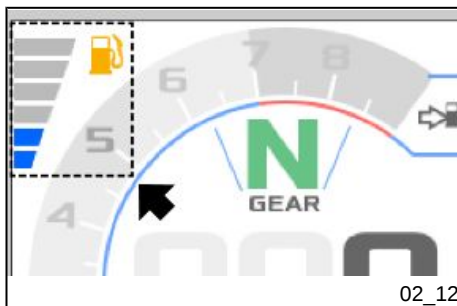
ICE HAZARD WARNING

The ice hazard warning icon is shown on the display at temperatures of 37.4 F° (3 C °) and below, down to a minimum temperature of 5 F° (-15 C°). It alternates with the battery alarm (if active).



LOW BATTERY WARNING

The battery icon appears at the bottom left of the digital display in the event of a problem related to the battery charging system; the icon is displayed in alternation with the ice hazard alarm (if active).



02_12

FUEL LEVEL

The fuel level in the tank is represented on the display by a number of bars.

When the fuel level drops below the third bar, the symbol on the digital display changes colour to orange and the reserve fuel warning lamp illuminates.

NOTE

IF THE RESERVE FUEL WARNING LAMP FLASHES AT KEY-ON, THIS INDICATES THAT THE FUEL LEVEL SENSOR IS FAULTY.

IN THE EVENT OF A FUEL LEVEL SENSOR FAILURE OCCURRING WHILE THE VEHICLE IS IN USE, THE LEVEL INDICATOR BARS WILL NO LONGER BE SHOWN ON THE DIGITAL DISPLAY. IN THIS CASE, TAKE THE VEHICLE TO AN Official Moto Guzzi Dealership.

NOTE

THE INDICATED FUEL LEVEL MAY VARY AND NOT BE DISPLAYED ACCURATELY IF THE MOTORCYCLE IS INCLINED (E.G. WHEN THE MOTORCYCLE IS PLACED ON THE SIDE STAND, OR IF VEHICLE IS RIDDEN ON LONG STRETCHES OF UPHILL OR DOWNHILL ROAD).



02_13

With the key set to "KEY OFF" the general alarm warning light flashes to indicate activation of the locking system. To reduce battery consumption the light stops flashing after about 48 hours.



Alarms (02_14, 02_15, 02_16, 02_17, 02_18, 02_19, 02_20, 02_21)

In the event of a fault, the digital display will show the cause.

Take your vehicle to an Official **Moto Guzzi** Dealer as soon as possible.

SERVICE ALARM

In case of failure found in the dashboard or in the electronic control unit, the dashboard signals the failure by displaying the word SERVICE and the red general warning light turns on.



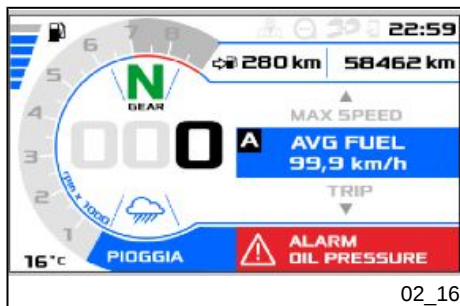
If there is an immobilizer failure at ignition, the dashboard requests you to enter a user code. If the code is entered correctly, the dashboard signals the failure by displaying the word SERVICE and the red general warning light turns on.

URGENT SERVICE ALARM

A serious failure is signalled by a fast flashing (two flashes per second) of the general warning light and by the words URGENT SERVICE on the digital display. See an Official **Moto Guzzi** Dealer as soon as possible. In these cases, the ECU activates a safety procedure limiting vehicle performance in order to allow the rider to go to an Official **Moto Guzzi** Dealer at a reduced speed. Depending on the type of failure, performance can be limited in three ways: a) by reducing the maximum torque produced; b) by keeping the engine at idle speed but slightly accelerated (during this operation, the throttle control is disabled); c) the engine rpm is steady at around 3000 rpm; Under these conditions the throttle control provides limited management of the torque.

NOTE

THE PRESENCE OF THE "URGENT SERVICE" ERROR ON THE DIGITAL DISPLAY IS ACCOMPANIED BY THE FLASHING OF THE FOUR ARROWS FOR 30 SECONDS TO WARN THE VEHICLES BEHIND OF A POSSIBLE DANGEROUS SITUATION, UNTIL THE TURN INDICATOR IS ACTIVATED TO ALLOW THE DRIVER TO PULL OVER .



02_16

Oil failure

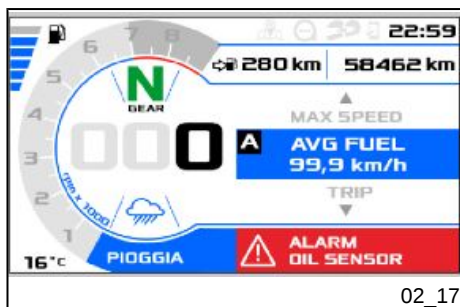
If a fault is detected with the oil pressure, the digital display shows "ALARM OIL PRESSURE".

IMPORTANT

THE SIGNAL IS ACCOMPANIED BY THE RED GENERAL WARNING LIGHT FLASHING.



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



02_17

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

IMPORTANT

THE SIGNAL IS ACCOMPANIED BY THE RED GENERAL WARNING LIGHT TURNING ON.

WARNING

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



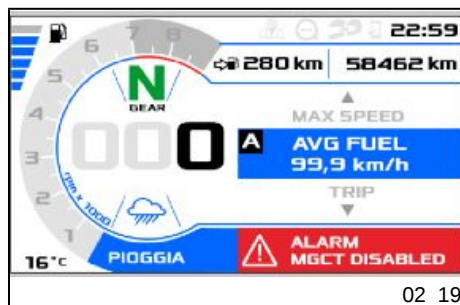
02_18

Electronic control unit disconnected alarm

In the event there is no connection, the instrument cluster signals the fault displaying "ALARM CAN ECU DISCONNECTED" and lighting up the general alarm red indicator light.

NOTE

THE MESSAGE "ALARM CAN ECU DISCONNECTED" REMAINS ON THE DIGITAL DISPLAY AND THE HAZARD WARNING LIGHTS WILL CONTINUE TO FLASH (TO WARN OTHER ROAD USERS BEHIND THE VEHICLE OF POTENTIAL DANGER) UNTIL THE RIDER ACTIVATES THE RIGHT HAND TURN SIGNAL TO INDICATE THAT THEY ARE ABOUT TO PULL OVER AND STOP.



02_19

MGCT disabled alarm

The MGCT system disabling alarm is activated if there is a problem that can cause the system itself to be disabled.

WARNING

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



02_20

CAN line disconnection from the light switch alarm

The alarm regarding the disconnection of the LH light switch interface line is activated when there may be a problem that causes the disabling of the light switch.

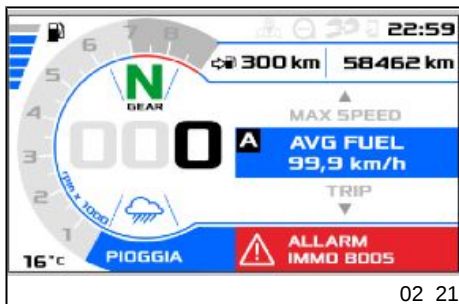
This error causes the malfunctioning of the arrows, cruise control and heated hand grips (if present).

IMPORTANT

THE SIGNAL IS ACCOMPANIED BY THE RED GENERAL WARNING LIGHT TURNING ON.

WARNING

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

**Immobilizer alarms**

For immobilizer alarms, refer the specific paragraph "Immobilizer system operation". The error code may vary.

If there is an alarm, the user code must be entered to start the vehicle.

IMPORTANT

THE SIGNAL IS ACCOMPANIED BY THE RED GENERAL WARNING LIGHT TURNING ON.

WARNING

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

Mapping Selection (02_22, 02_23, 02_24)**IMPORTANT**

IN NAVIGATOR MODE THE DISPLAY OF THE ACTIVE "RIDING MODE" WILL NOT BE VISIBLE.



02_22

The engine control unit has 5 different selectable "riding modes" for managing the electronic accelerator, displayed as follows in the lower left part of the digital display:

- **OFF ROAD (OFF ROAD)**
- **SPORT (SPORT)**
- **STRADA (ROAD)**
- **PIOGGIA (RAIN)**
- **CUSTOM (CUSTOM)**

The **ROAD** mode is designed for a touristic use of the vehicle.

The **SPORT** mode is designed for a more dynamic use of the vehicle.

The **CUSTOM** mode can be configured by the user, as shown in the "ADVANCED FUNCTIONS" section.



02_23

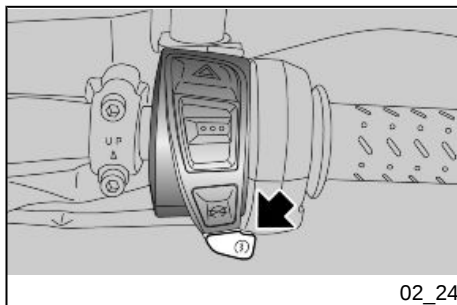
The **OFF ROAD** mode is not suitable for road use. It is designed for use on variable low-grip surfaces.

IMPORTANT

THE USE OF THIS MODE IT IS RECOMMENDED ON LOW-GRIP SURFACES. IT IS RECOMMENDED FOR OFF-ROAD USE.

THE TRACTION CONTROL IS LITTLE INVASIVE.

ONLY IN THIS MODE DOES THE ABS SYSTEM STAY ACTIVE EXCLUSIVELY FOR THE FRONT WHEEL AND THE DEDICATED SYMBOL APPEARS ON THE DISPLAY TO REMIND THE RIDER TO TAKE PARTICULAR CARE.



02_24

The **RAIN** mode is designed for use of the vehicle on wet surfaces or in conditions of poor grip. The system provides the torque smoothly to prevent loss of grip. In this mode, the vehicle performance is limited, and therefore, the maximum speed cannot be reached.

EVEN IN THIS MODE, ALWAYS USE PARTICULAR CAUTION WHEN RIDING IN POOR GRIP CONDITIONS.

Passing through the various riding modes is carried out using the starter button that, 3 seconds after the engine has started, acquires the function of "Riding mode selection button".

IMPORTANT

THE RIDING MODE SELECTION PROCEDURE IS ACTIVE ONLY WITH THE ENGINE STARTED AND THE THROTTLE RELEASED. THIS PROCEDURE CAN ALSO BE CARRIED OUT WITH THE MOTORCYCLE MOVING AND THE THROTTLE RELEASED.

RIDING MODES MAY ALSO BE PRESELECTED WHILE THE THROTTLE IS OPEN. IN THIS CASE, THE NEW MODE IS ONLY EFFECTIVELY IMPLEMENTED WHEN THE THROTTLE IS CLOSED AGAIN. THE ICON FLASHES WHEN A NEW MODE IS PRESELECTED AND PENDING IMPLEMENTATION.

To change the riding mode proceed as follows:

- By pressing the button for the first time, the symbol of the riding mode currently applied will be flashing.
- pressing the button again within 1.5 seconds from the first time, the next riding mode selected will be flashing. If the button is not pressed again within 1.5 seconds (which would select the next available riding mode), and the throttle grip is not used, the new riding mode is shown in a fixed manner on the display, indicating that the new riding mode selection has been implemented.

IMPORTANT

IF THE THROTTLE IS OPENED WHILE THE NEW RIDING MODE IS SHOWN IN FLASHING MODE ON THE DISPLAY (I.E. MODE IS PRESELECTED ONLY AND PENDING IMPLEMENTATION BY THE ECU), THE PRESELECTED NEW RIDING

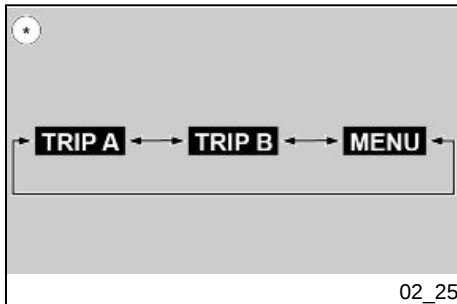
MODE WILL NOT BE EFFECTIVELY IMPLEMENTED UNTIL THE THROTTLE GRIP IS RELEASED.

IF A NEW RIDING MODE IS SELECTED WHILE THE THROTTLE IS OPEN, THE NEW RIDING MODE REQUESTED WILL BE SHOWN IN FLASHING MODE UNTIL THE THROTTLE GRIP IS RELEASED.

Control Buttons (02_25, 02_26, 02_27)

CONTROL BUTTONS

- Push the "MODE" selector up or down to scroll through maps and view the map name on the display inside the trip journal.
- Long press the "MODE" selector in the middle to reset the data, except for the "FUEL" function.



A and B trip log (Trip A and Trip B)

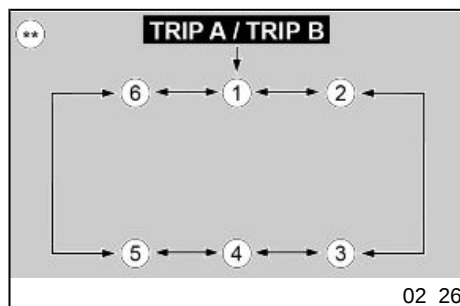
Two trip journals are available (*).

Press the "MODE" selector at the center to view the following in a cyclical manner: TRIP LOG A (TRIP A), TRIP LOG B (TRIP B) and the MENU.

In both trip modes, press the "MODE" selector shortly up or down to cycle through the following information (**):

- (1) TRIP
- (2) FUEL
- (3) AVG FUEL
- (4) AVG SPEED
- (5) MAX SPEED
- (6) TIME

Within all functions, keeping the "MODE" selector pressed at the center resets all saved indications in the active TRIP LOG (TRIP), except for the "FUEL" function.

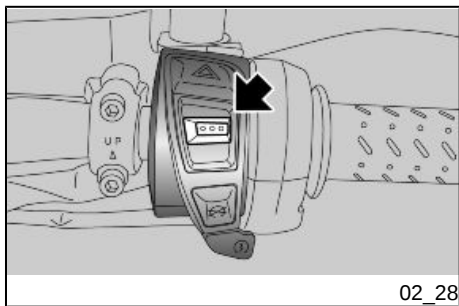


Advanced Functions (02_27, 02_28, 02_29, 02_30, 02_31, 02_32, 02_33, 02_34, 02_35, 02_36, 02_37, 02_38, 02_39, 02_40, 02_41, 02_42, 02_43, 02_44, 02_45, 02_46, 02_47, 02_48, 02_49, 02_50, 02_51, 02_52, 02_53, 02_54, 02_55, 02_56, 02_57, 02_58, 02_59, 02_60, 02_61, 02_62, 02_63, 02_64, 02_65, 02_66, 02_67, 02_68, 02_69, 02_70, 02_71, 02_72, 02_73, 02_74, 02_75, 02_76, 02_77)

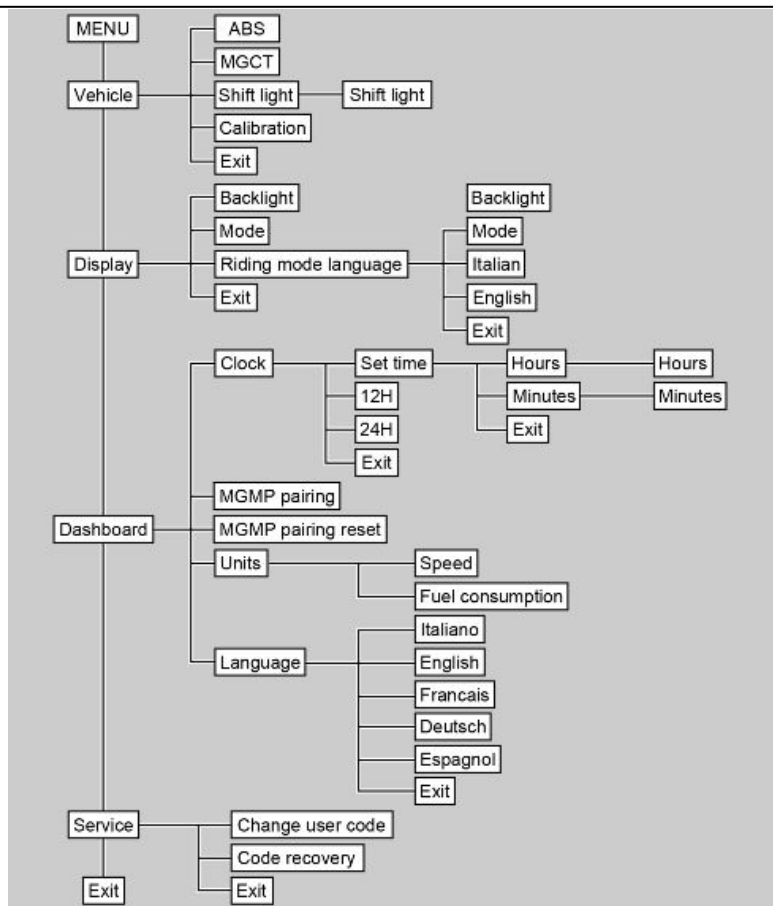
The advanced functions consist of two entries: **MENU** and **CUSTOM MODE**. It is possible to scroll between the two entries by shortly pressing the MODE button in the middle.

MENU

After having been selected, the configuration menu can be immediately accessed, with the vehicle stationary, by long pressing the MODE selector in the middle directly from the main screen.



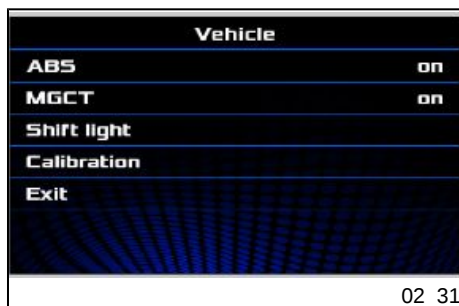
The flow diagram listed below shows the menu structure.





The menu is composed of the following entries:

- 1) Vehicle
- 2) Display
- 3) Instrument panel (Cruscotto)
- 4) Service (Service)
- 5) Exit (Esci)



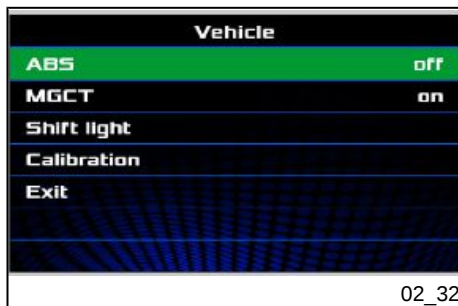
1) Vehicle

The "Vehicle" menu consists of the following entries:

- 1.1) ABS
- 1.2) MGCT (Moto Guzzi Traction Control)
- 1.3) Shift light (Shift light)
- 1.4) Calibration (Calibration)
- 1.5) Exit (Exit)

The functions of the "Vehicle" menu are described in the following paragraphs.

To return to the main "MENU", select "Exit" on the menu and press the MODE selector briefly in the middle.



1.1) ABS

This function allows you to disable the ABS system that is normally active "On".

Briefly pressing the MODE selector in the middle deactivates the function ("Off") and pressing it again reactivates it ("reactivate").

Disabling is possible only when the vehicle is in "OFF ROAD" mode. If the riding mode is changed, ABS reactivates.

To return to the "MENU", briefly press the MODE selector in the middle on "Exit"

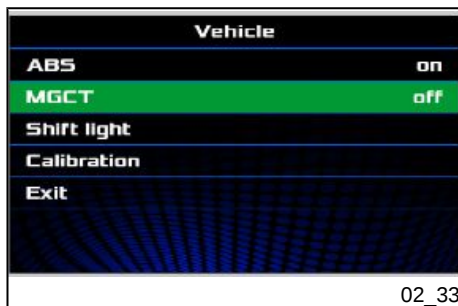
IMPORTANT

IT IS DISABLED ONLY TEMPORARILY, WHEN THE KEY IS INSERTED THE SYSTEM IS ALWAYS ACTIVE.

IMPORTANT

DISABLING IS POSSIBLE ONLY WHEN THE VEHICLE IS IN "OFF ROAD" MODE. IF THE RIDING MODE IS CHANGED, ABS REACTIVATES.

IF DISABLED, THE ABS INDICATOR LIGHT STAYS ON STEADY.



1.2) MGCT (Moto Guzzi Traction Control)

This function allows to disable the MGCT system that is normally active "On".

Briefly pressing the MODE selector in the middle deactivates the function ("Off") and pressing it again reactivates it ("reactivate").

To return to the "MENU", briefly press the MODE selector in the middle on "Exit"

IMPORTANT

IT IS DISABLED ONLY TEMPORARILY, WHEN THE KEY IS INSERTED THE SYSTEM IS ALWAYS ACTIVE.



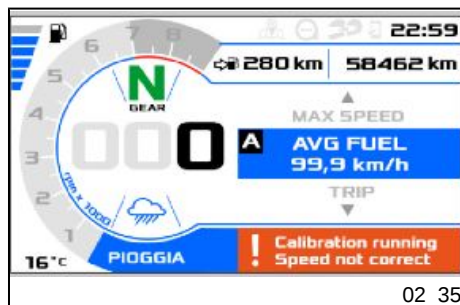
1.3) Shift light (Shift light)

This function allows you to set the rpm threshold that lights up the relative warning lights when exceeded.

Briefly pressing the MODE selector in the middle highlights the function in red and by moving it up or down it is possible to modify the threshold.

To exit the modification function, briefly press the MODE selector in the middle.

To return to the main "MENU", select "Exit" on the menu and press the MODE selector briefly in the middle.



1.4) Calibration (Calibration)

When the Calibration function is selected (with the vehicle at a standstill), a screen appears with the following description in the bottom right of the display:

Calibration running Speed not correct

IMPORTANT

THE MGCT INDICATOR LIGHT TURNS ON TO INDICATE THAT THE SYSTEM IS DISABLED



To calibrate the MGCT system (Moto Guzzi Control Traction) ride along a flat straight road in second gear at a speed of 18.64 +/- 1.24 mph (30 +/- 2 km/h) for approximately 10 seconds, until the digital display shows a message "Calibration running Hold speed".



02_37

If the calibration is successful, the following message will be displayed "Calibration done Key OFF".

NOTE

WHEN THE "Calibration done Key OFF" SCREEN DISAPPEARS FROM THE DISPLAY, TO COMPLETE THE CALIBRATION PROCEDURE STOP THE VEHICLE AND SWITCH OFF THE PANEL FOR AT LEAST 60 SECONDS.

THIS ALLOWS THE CALIBRATION TO BE STORED IN THE MEMORY.

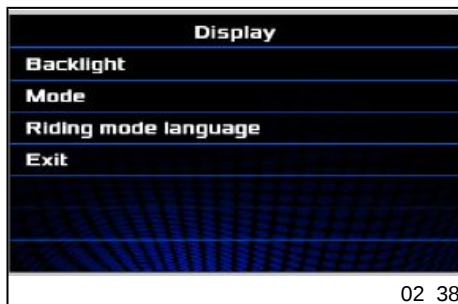
NOTE

THE CALIBRATION OPERATION IS USED TO OPTIMISE THE MGCT FUNCTION IN CASE OF A CHANGE IN TYRE TYPE.

NOTE

TURN THE IGNITION SWITCH OFF TO ABORT THE CALIBRATION PROCEDURE.

DURING CALIBRATION, THE MGCT SYSTEM IS AUTOMATICALLY REACTIVATED (IF PREVIOUSLY DEACTIVATED).



02_38

2) Display

The "Display" menu consists of the following:

2.1) Backlight

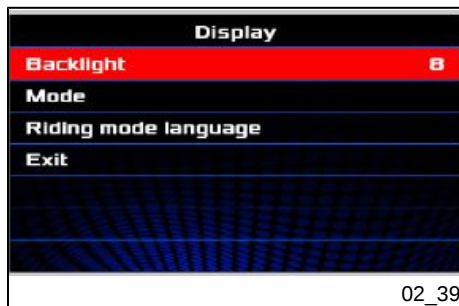
2.2) Mode

2.3) Riding mode language

2.4) Exit

The functions of the "Display" menu are shown in the paragraphs below.

To return to the main "MENU", select "Exit" on the menu and press the MODE selector briefly in the middle.



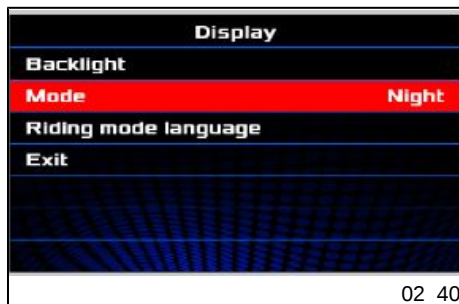
2.1) Backlight (Backlight)

This function allows you to change the backlight of the digital display, from a minimum value of 1 to a maximum value of 10.

Lightly pressing the middle of the MODE selector highlights the "Backlight" function in red. Briefly moving the MODE selector upward or downward, the intensity of the backlight increase or decreases.

Pressing the MODE selector again confirms the value selected and exits the modification function.

To return to the "Display" menu, select "EXIT" on the menu and press the MODE selector briefly in the middle.



2.2) Mode (Mode)

This function allows you to change the display mode of the digital display:

- AUTO.
- DAY (Day).
- NIGHT (Night).

Lightly pressing the middle of the MODE selector highlights the "Mode" function in red. Briefly shifting the MODE selector to the left or right, it is possible to select the preferred mode.

Pressing the MODE selector again confirms the selection and exits the modification function.

To return to the "Display" menu, select "EXIT" on the menu and press the MODE selector briefly in the middle.



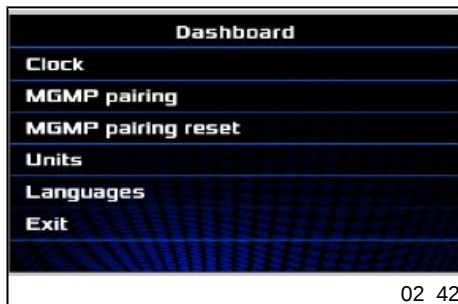
2.3) Riding mode language

This function allows to change the display language of the riding mode in the digital display:

- Italian.
- English.
- Exit.

Briefly moving the MODE selector up or down, the preferred language can be selected and confirmed with the side check mark "V".

To return to the "Display" menu, select "EXIT" on the menu and press the MODE selector briefly in the middle.



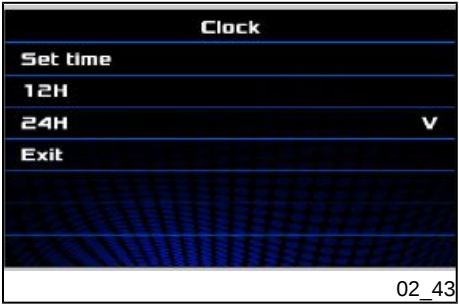
3) Instrument panel (Cruscotto)

The "Dashboard" menu consists of the following:

- 3.1) Clock (Clock).
- 3.2) MGMP pairing (MGMP pairing).
- 3.3) MGMP pairing reset.
- 3.4) Units (Units).
- 3.5) Languages (Languages).
- 3.6) Exit (Exit).

The functions of the "Dashboard" menu are shown in the paragraphs below.

To return to the main "MENU", select "Exit" on the menu and press the MODE selector briefly in the middle.



3.1) Clock (Clock)

The "Clock" menu is composed of the following:

- 3.1.1) Set time (Set time)
- 3.1.2) 12H
- 3.1.3) 24H
- 3.1.4) Exit (Exit)

The functions of the "Clock" menu are shown in the paragraphs below.

To return to the main "MENU", select "Exit" on the menu and press the MODE selector briefly in the middle.



3.1.1) Set time (Set time)

This menu allows you to set the clock and is divided in turn into the following entries:

- 3.1.1.1) Hours (Hours)
- 3.1.1.2) Minutes (Minutes)
- 3.1.1.3) Exit (Exit)

The functions of the "Set time" menu are shown in the paragraphs below.

To return to the "Clock" menu, select "Exit" on the menu and press the MODE selector briefly in the middle.



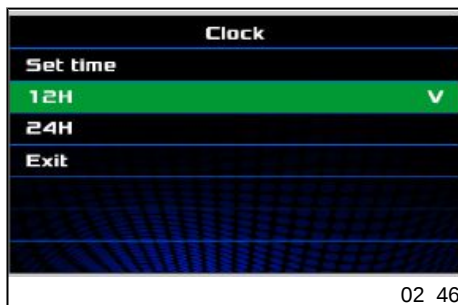
3.1.1.1) Hours (Hours) / 3.1.1.2) Minutes (Minutes)

To edit and as a result modify the value of one of the two selected functions, press the MODE selector briefly in the middle. The background of the selected function turns red.

Briefly moving the MODE selector up or down, it is possible to change the value.

To exit the modification function, press the MODE selector briefly.

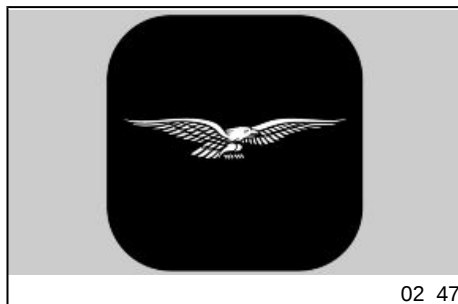
To return to the "Clock" menu, select "Exit" on the menu and press the MODE selector briefly in the middle.



3.1.2) 12H / 3.1.3) 24H

To render active the time display format, 12H or 24H, briefly press the middle of the MODE selector at the format desired. The confirmation of the desired selection is indicated by the side check mark "V".

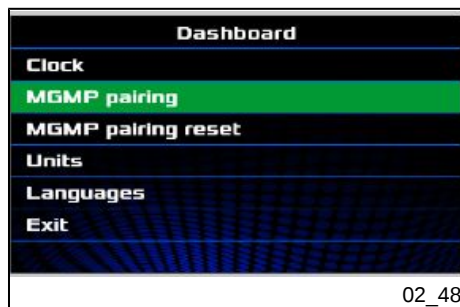
To return to the "Dashboard" menu, select "Exit" on the menu and press the MODE selector briefly in the middle.



3.2) MGMP pairing (where required)

The vehicle is equipped with the "**MOTO GUZZI MIA**" control unit that communicates with the smartphone via Bluetooth. Using the specific "**MOTO GUZZI**" application installed on the smartphone, it is possible to exchange data with the vehicle and manage multimedia contents. Once a connection is established correctly between the control unit and the smartphone, the following functions can be directly managed by the digital display of the vehicle:

- manage phone calls;
- manage audio playback;
- GPS navigation.



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Highlight the "MGMP pairing" function and briefly press the MODE selector in the middle.



02_49

The message confirming that pairing with the smartphone is enabled appears on the digital display. Enable the bluetooth search on your smartphone, select the "BT-ROUTER" device, if required, enter the password "0000" and press on pair.



02_50

The "BT-ROUTER" device will be visible in the list of associated devices on the smartphone. Wait for the digital display to automatically connect the smartphone. **Do NOT force the connection from the telephone.** The smartphone icon on the display indicates active communication. **When requested, allow phone book and notifications sharing.** These enabling operations are necessary to display the caller's name on the display.

NOTE

UPON THE FIRST PAIRING BETWEEN THE DISPLAY AND SMARTPHONE, MORE TIME MAY BE REQUIRED FOR THE SYNCHRONIZATION OF THE PHONE BOOK.

THE CONNECTION BETWEEN THE SMARTPHONE AND VEHICLE WILL BE SIGNALLLED BY THE LIGHTING OF THE SMARTPHONE ICON ON THE DISPLAY.

CONNECTION BETWEEN THE APPLICATION AND THE DIGITAL DISPLAY

Search for the **"MOTO GUZZI"** application in Play Store or App Store and install it. Register your account by following the instructions. Select **"allow"** for the position and notifications management requests.



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BLUETOOTH HEADSET PAIRING

The multimedia functions can be used with the MODE selector, by pairing a bluetooth headset with the digital display via the **"MOTO GUZZI"** application. After pairing it will be possible to answer or reject calls, activate voice commands and control the music on the smartphone.



02_52

Activate the **"pairing"** mode of the bluetooth headset to be paired (refer to the instructions of the device itself). Press the Bluetooth icon on the main screen of the **"MOTO GUZZI"** application and perform a new search for devices until the headset is displayed. Select the bluetooth headset, check the **"Handsfree/driver headset"** option and press **"Pair"**. Successful pairing is indicated by the helmet icon displayed on the digital display. If the pairing is not successful, perform a new search.

Repeat the operation to connect a second device also. If this pairing procedure is successful, the 2nd helmet icon will be highlighted in blue on the digital display.



No multimedia function can be managed from the handlebar of the vehicle if there is no bluetooth headset, or if the headset is directly connected to the smartphone. **The Bluetooth headset can be paired with the vehicle only via the "MOTO GUZZI" application and it must be connected to the vehicle in order to correctly use the multimedia functions of the system. For this reason, the headsets that automatically connects to the smartphone are not compatible (Ex: Apple Airpod).**

If pairing between Smartphone and Vehicle is not successful, proceed as follows:

- restart the smartphone;
- turn the ignition key to "**OFF**" and then to **ON**"; wait for the animation on the display to end.

If the smartphone icon on the display is not illuminated after approximately 1 minute, proceed as follows;

- open "**MOTO GUZZI**" and select "**Connect**";
- select your vehicle from the list of suggestions and follow the instructions on the device;
- once the Application is connected, select the Bluetooth icon that appears on the main screen;
- open the Bluetooth devices menu;
- select "**Configure**" and delete all paired devices, leaving the current device as the last one;
- make sure that the application icon on the display is off;
- turn the ignition key to "**OFF**" and then to **ON**", then wait until the animation on the screen ends;
- the display must show the pop up "**No connected device**";
- repeat the pairing procedure from the start.

NOTE

PLEASE NOTE THAT TO CONNECT THE APP TO THE VEHICLE AGAIN, THE FOLLOWING WILL BE NECESSARY:

- ON iOS, DELETE THE PREVIOUSLY INSTALLED APP AND REINSTALL IT.
- ON ANDROID, SIMPLY DELETE THE APPLICATION DATA FROM THE APP MANAGEMENT MENU (THIS WILL RETURN THE APPLICATION TO THE INITIAL CONDITION AND THE LOGIN AND FIRST CONNECTION TO THE VEHICLE MUST BE PERFORMED AGAIN).
- IN CASE OF CONNECTION TO A NEW VEHICLE, IT IS NECESSARY TO REMOVE THE PREVIOUS BT-ROUTER FROM THE ASSOCIATED DEVICES.

NOTE

IT IS RECOMMENDED TO PAIR A MAXIMUM OF 2 SMARTPHONES AND 2 HEADSETS TO THE SAME VEHICLE, TO OPTIMIZE THE OPERATION OF THE SYSTEM.

IN THE CASE OF PAIRING THE SECOND SMARTPHONE, NOTE THAT THE SECOND ONE WILL REQUIRE A LONGER TIME (MORE THAN 30 SECONDS) CONNECT TO THE "BT-ROUTER". ONCE THE SMARTPHONE IS CONNECTED TO THE "BT-ROUTER", THE OPERATING SYSTEM WILL REQUEST ACCESS TO THE PHONE BOOK AND TO THE NOTIFICATIONS; ACCEPT TO DISPLAY THE NAMES OF THE CALLERS ON THE DISPLAY.

Required operation for iOS 10.0 versions or higher

If the "BT-ROUTER" device does not automatically request permission to share notifications, the following procedure is necessary:

- Enter the menu: "Settings" > "Bluetooth" > "Phone devices";
- select "BT-ROUTER", select "Info", enable the options manually.

INTERCOM AND VOCAL COMMANDS MANAGEMENT

The **"MOTO GUZZI"** system manages the connection between the intercom and smartphone upon activation by the user.



FOR SAFETY REASONS, IT IS RECOMMENDED TO CARRY OUT THE ACTIVATION / DEACTIVATION PROCEDURES WITH THE VEHICLE AT A STANDSTILL.



02_54

To activate the "INTERCOM" function, from the main screen it is necessary to move the MODE selector down.

An "INTERPHONE ACTIVATED" pop-up will be shown for a limited time on the digital display.



02_55

Subsequently, the sound level can be adjusted using the MODE selector, before the pop-up disappears.

At this point, the "interphone" icon will switch on.



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A further downward movement of the MODE selector deactivates the connection, showing the message "INTERPHONE DEACTIVATED" on the digital display.

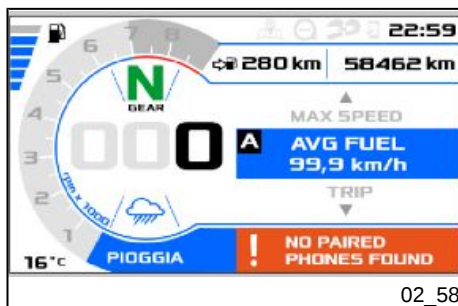


02_57

To activate the "VOICE" function which allows using the smartphone, by giving voice commands via the handsets (e.g. Siri or Google Assistant), long press the activation button of the heated hand grips.



THE "VOICE" FUNCTION CANNOT BE ACTIVATED IF THE "INTERCOM" FUNCTION IS ALREADY ACTIVATED.



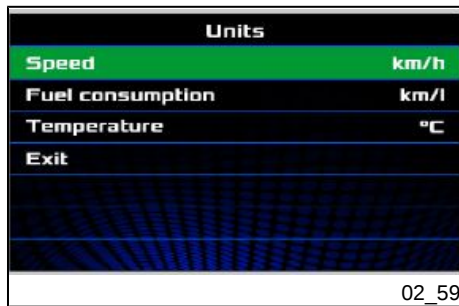
02_58

3.3) MGMP pairing reset

This function is used to reset the pairing function, and therefore allows removing all previously memorized devices.

NOTE

PERFORM A KEY OFF/ON TO VALIDATE THE OPERATION. UPON KEY ON, THE MESSAGE "NO PAIRED PHONES FOUND" WILL BE SHOWN (TELEPHONE NOT PAIRED).



3.4) Units (Units)

This menu allows you to change the settings for displaying the units and is divided as follows:

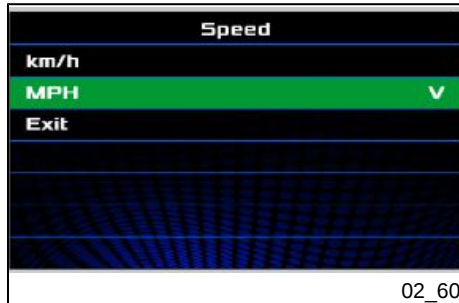
3.4.1) Speed (Speed)

3.4.2) Fuel consumption (Fuel consumption)

3.4.3) Temperature (Temperature)

3.4.4) Exit (Exit)

To return to the "Dashboard" menu, select "EXIT" on the menu and press the MODE selector briefly in the middle.



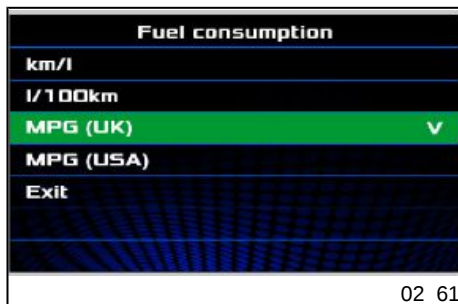
3.4.1) Speed (Speed)

To render active the desired measurement units, expressed in MPH or km/h, select the unit and briefly press the MODE selector in the middle. The confirmation of the selection is indicated by the side check mark "V"

To return to the "Units" menu, select "Exit" on the menu and press the MODE selector briefly in the middle.

NOTE

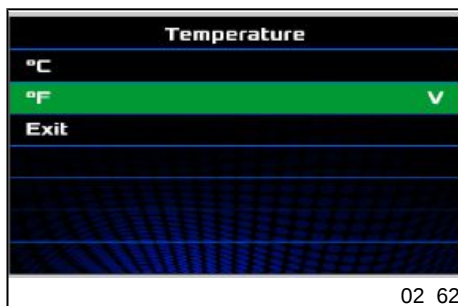
IF THE UNIT OF MEASURE SET AT THE FACTORY HAS BEEN CHANGED, THE SPEED'S UNIT OF MEASURE WILL FLASH FOR 30 SECONDS EACH TIME THE KEY IS ENGAGED.



3.4.2) Fuel consumption (Fuel consumption)

To render active the desired units, regarding fuel consumption, after having selected it, briefly press the MODE selector in the middle. The confirmation of the selection is indicated by the side check mark "V"

To return to the "Units" menu, select "Exit" on the menu and press the MODE selector briefly in the middle.



3.4.3) Temperature (Temperature)

To render active the desired units, regarding ambient temperature, briefly press the MODE selector in the middle at the desired value. The confirmation of the selection is indicated by the side check mark "V".

To return to the "Units" menu, select "Exit" on the menu and press the MODE selector briefly in the middle.

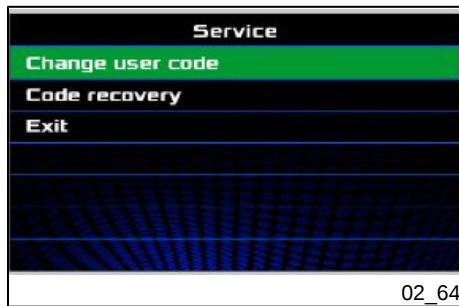


3.5) Languages (Languages)

This menu allows you to set the display language of the dashboard.

To render active the desired language, briefly press the MODE selector in the middle at the desired language. The confirmation of the selection is indicated by the check mark "V".

To return to the "Units" menu, select "Exit" on the menu and press the MODE selector briefly in the middle.



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4) Service (Service)

The "Service" menu consists of the following:

4.1) Change user code (Change user code)

4.2) Code recovery (Code recovery)

4.3) EXIT (Exit)

The functions of the "Service" menu are shown in the paragraphs below.

To return to the main "MENU", select "Exit" on the menu and press the MODE selector briefly in the middle.



02_65

4.1) Change user code (Change user code)

This function may be used to modify the existing code (you must be in possession of the code itself in order to do this). The user code enables engine start even in the event of an immobiliser system fault. The user code is set by default as five zeros (00000) on a new vehicle, and the message "INSERT CODE" is shown on the display for ten seconds.

This function allows you to change the code itself and remove this message.

On the value to the leftmost of the display a value from 0 to 9 will be shown (which can be modified by moving the MODE selector upward or downward). Press the centre of the "MODE" selector briefly to confirm the selection. Repeat the operation for all the digits. Once the code is confirmed, the new code is shown steadily on the display to let the user verify that the code has been entered correctly. Turn the ignition off and then on again to unlock the dashboard. The last code set may be modified again in future. Access the setting mode again, enter the last user code used (OLD CODE), then enter a new user code (NEW CODE) as described previously.



02_66

4.2) Code recovery (Code recovery)

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

When the function is activated, by pressing briefly on the middle of the MODE selector, the screen "INSERT KEY 1" is displayed to signal the recognition request of the first key. Insert the key. If the correct key is recognised within twenty seconds, the message "INSERT KEY 2" is shown on the display. Insert the second key. If the second key is also recognised within twenty seconds, the dashboard resets the user code to the default code (five zeros - 00000). Enter the new user code following the "CHANGE USER CODE " procedure.



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CUSTOM MODE

After having been selected, the custom mode function, can be immediately accessed by long pressing the MODE selector directly from the main screen.



This function is used to set the parameters of the RIDING MODE, which can be selected with the function "MAPPING SELECTION".

The parameters to be selected are:

- 1) Engine map (Engine map)
- 2) MGCT (Moto Guzzi Traction Control)
- 3) ABS
- 4) Reset
- 5) Exit (Esci)

To scroll through the various entries, press the MODE selector up/down. To exit the "Custom Mode" function, select EXIT and briefly press the MODE selector in the middle position.



1) Engine map

This function allows to adjust the power supply level, regulated by the engine control unit. The available options are: DYNAMIC, STANDARD and SOFT.

To adjust the parameter, once "Engine map" has been selected, briefly press the MODE selector in the middle. The parameter will then be displayed in red with the set value shown on the side. Change the parameter by pressing the MODE selector up/down.

Press the MODE selector briefly in the middle to return to the parameters selection screen.



2) MGCT (Moto Guzzi Traction Control)

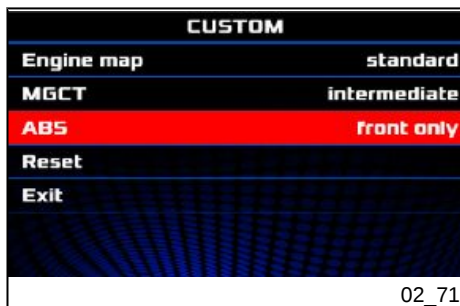
This function allows to adjust the traction control level. The available options are: DE-ACTIVATED, LOW, INTERMEDIATE and HIGH.

To adjust the parameter, once "MGCT" has been selected, briefly press the MODE selector in the middle. The parameter will then be displayed in red with the set value shown on the side. Change the parameter by pressing the MODE selector up/down.

Press the MODE selector briefly in the middle to return to the parameters selection screen.

NOTE

In case of selecting LOW, the message "Only for off-road" appears in the display.



3) ABS

This function allows adjusting the operation level of the ABS system. The options that can be selected are the following: ONLY FRONT and STANDARD.

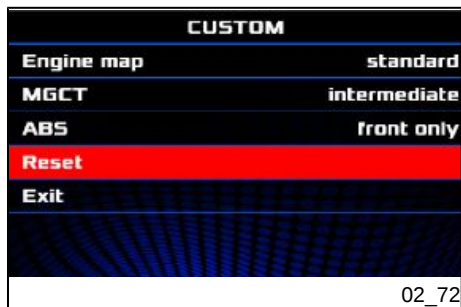
To adjust the parameter, once "ABS" has been selected, briefly press the MODE selector in the middle. The parameter will then be displayed in red with the set value shown on the side. Change the parameter by pressing the MODE selector up/down.

Press the MODE selector briefly in the middle to return to the parameters selection screen.

NOTE

It is not possible to deactivate this parameter with this function. If you want to deactivate this entry, refer to the "menu" section within the "ADVANCED FUNCTIONS".

If the option ONLY FRONT is selected, the message "rear ABS deactivated" appears in the display.

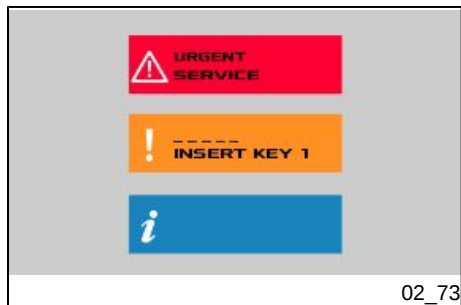


4) RESET

This function allows to restore all parameters of the mapping "CUSTOM MODE" to the original values.

To reset the parameters, once the "RESET" entry has been selected, briefly press the MODE selector in the middle, then select "YES" and confirm with briefly pressing the MODE selector.

To return to the "ADVANCED FUNCTIONS" screen, select "Exit" on the menu and press the MODE selector briefly in the middle.



SYSTEM MESSAGES "MOTO GUZZI MIA"

The «**MOTO GUZZI MIA**» system communicates with the user through messages that can be viewed on the graphic panel of the digital display. Depending on the message type, the graphic panel shows the icon, colours and the specific message. The image opposite displays:

- Text alarms, contact an **Authorised Service Centre**;
- Warning messages;
- Info messages.

NOTE

THE MODE SELECTOR COMMANDS ARE IGNORED WHEN A POPUP IS PRESENT ON THE DISPLAY. TO RESTORE THE STANDARD USE, IT IS NECESSARY TO REMOVE THE POPUP FROM THE DISPLAY FIRST.



CALL MANAGEMENT

To use phone features, view caller notifications and identifiers, it is necessary to:

- pair the smartphone with the **"MOTO GUZZI MIA"** system via Bluetooth, as previously described;
- install and log in to the **"MOTO GUZZI"** application with your account on the smartphone;
- pair a bluetooth headset to the **"MOTO GUZZI MIA"** system via the **«MOTO GUZZI»** application;
- allow sharing of the phone book and notifications when the smartphone is paired with the **"MOTO GUZZI MIA"** system.
- The corresponding three icons are shown on the digital display. Please note that on iOS systems the message notifications will be displayed **ONLY** at the second connection of the smartphone to the vehicle.

NOTE

WHEN A SMARTPHONE CONNECTS WITH THE «MOTO GUZZI MIA» SYSTEM (BT-ROUTER), AUDIO IS AUTOMATICALLY ROUTED TO THE MOTO GUZZI MIA SYSTEM. IF THERE IS NO HEADSET CONNECTED TO THE "MOTO GUZZI MIA" SYSTEM, THE AUDIO FUNCTION OR MUSIC PLAYBACK CANNOT BE MANAGED, THEREFORE THE SMARTPHONE AUDIO MUST BE MANUALLY ROUTED TO THE DESIRED DEVICE (E.G. SPEAKERS/TELEPHONE MICROPHONE).

The following information appears on the digital display:

- call in progress;
- call ended;
- voice control active.

MODE SELECTOR FUNCTIONS FOR CALL MANAGEMENT

Accept incoming call	CENTRAL BUTTON BRIEF PRESS
End an active call	CENTRAL BUTTON LONG PRESS
Reject incoming call	CENTRAL BUTTON LONG PRESS
Cancel outgoing call	CENTRAL BUTTON LONG PRESS
Clear most recent missed call popup (with NO call in progress)	CENTRAL BUTTON BRIEF PRESS
Redial last missed call number (with NO call in progress)	CENTRAL BUTTON LONG PRESS
Increase volume (with call in progress)	BRIEF PRESS UPWARD
Lower volume (with call in progress)	BRIEF PRESS DOWNWARD

MANAGING A SECOND CALL

If the smartphone paired with the "MOTO GUZZI MIA" system is capable of receiving a second incoming call, a number of functions for managing a second call are available.

A popup appears on the digital display showing the identification details of the current and of the new incoming call are displayed in alternation (at intervals of approximately 1 second).

If the second incoming call is not accepted, a pop-up appears at the end of the ongoing conversation with details of the missed call.

FUNCTIONS OF MODE SELECTOR FOR MANAGING SECOND CALL

Accept incoming call and put current call on hold	CENTRAL BUTTON BRIEF PRESS
Reject incoming call and continue current call	CENTRAL BUTTON LONG PRESS



MUSIC PLAYBACK MANAGEMENT

To use the functions of the music player, the following must be performed:

- pair the smartphone with the **"MOTO GUZZI MIA"** system via Bluetooth, as previously described;
- install and log in to the **"MOTO GUZZI"** application with your account on the smartphone;
- pair a bluetooth headset to the **"MOTO GUZZI MIA"** system via the **«MOTO GUZZI»** application.

The corresponding three icons are shown on the digital display.

NOTE

WHEN A SMARTPHONE CONNECTS WITH THE «MOTO GUZZI MIA» SYSTEM (BT-ROUTER), AUDIO IS AUTOMATICALLY ROUTED TO THE MOTO GUZZI MIA SYSTEM.

IF THERE IS NO HEADSET CONNECTED TO THE "MOTO GUZZI MIA" SYSTEM, THE AUDIO FUNCTION OR MUSIC PLAYBACK CANNOT BE MANAGED, THEREFORE THE SMARTPHONE AUDIO MUST BE MANUALLY ROUTED TO THE DESIRED DEVICE (E.G. SPEAKERS/TELEPHONE MICROPHONE).

The following information appears on the digital display:

- track playing;
- playback paused;
- playback interrupted.

Use the MODE selector to manage audio playback as shown in the table:

**MODE SELECTOR FUNCTIONS FOR MUSIC
MANAGEMENT**

Play track	CENTRAL BUTTON BRIEF PRESS
Increase audio volume (with audio playback in progress)	BRIEF PRESS UPWARD
Lower audio volume (with audio playback in progress)	BRIEF PRESS DOWNWARD
Next music track	LONG PRESS UP
Previous audio track	LONG PRESS DOWN
Play / pause	CENTRAL BUTTON BRIEF PRESS
Exit audio playback mode	CENTRAL BUTTON LONG PRESS
Intercom activation (when music is NOT active)	LONG PRESS DOWN



GPS NAVIGATION

Combined with the **"MOTO GUZZI"** application, the **"MOTO GUZZI MIA"** system allows the display of GPS indications on the digital display. By means of pictograms, distance and travel time data, the desired destination can be reached.

Refer to the navigation guide by accessing the **"MOTO GUZZI"** application with your account. The navigation icon appears on the digital display after setting the destination address.

The GPS directions screen is accessed by pressing the MODE selector UPWARDS.

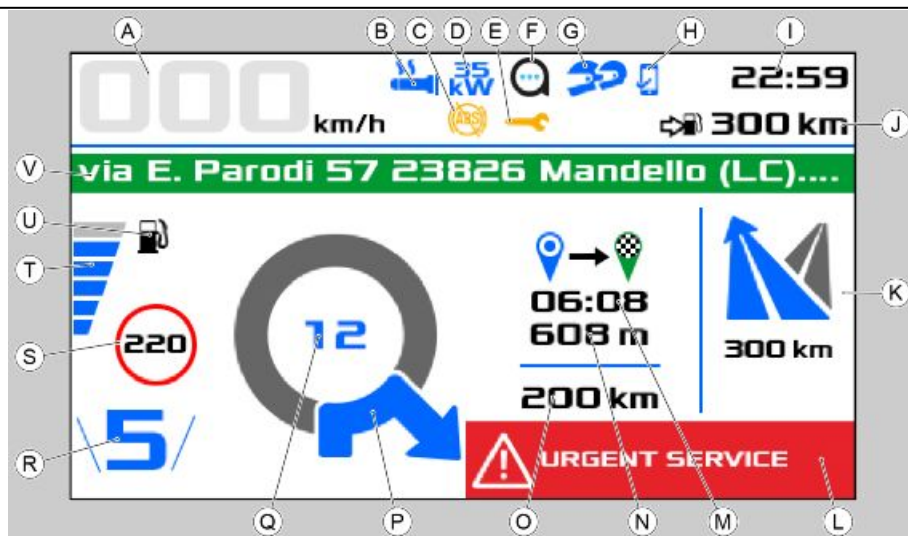
NOTE

BY SETTING THE DESTINATION ADDRESS VIA THE **"MOTO GUZZI"** APPLICATION, THE DIGITAL DISPLAY AUTOMATICALLY DISPLAYS THE INDICATION SCREEN.

NOTE

"SHORT PRESS": PRESS THE BUTTON AND RELEASE WITHIN 0.5 SECONDS;

"PRESS AND HOLD": PRESS THE BUTTON AND HOLD FOR AT LEAST 2 SECONDS.



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Navigation screen key:

- A = speed (speedometer) (displayed in mph or km/h);
- B = heated hand grips (where required);
- C = ABS system indicator only on front wheel in the "OFF ROAD" mode only;
- D = Presence of underpowered map indicator (35kW);
- E = service icon;
- F = data link with smartphone;
- G = rider/passenger intercom;

H = audio link with smartphone used to make calls, use voice commands and play music;

I = clock (time viewable in 24 or 12 hour format, without AM / PM indication);

J = remaining miles/km of the current journey;

K = symbol of manoeuvre after next manoeuvre, and relative distance;

L = information pop-up;

M = time remaining to arrival at destination;

N = distance remaining to arrival at destination;

O = distance relative to indication "**P**";

P = next manoeuvre symbol;

Q = number of exit to take from roundabout;

R = gear selected (displayed only with engine running and vehicle moving);

S = speed limit applicable on current road;

T = fuel gauge;

U = fuel reserve icon;

V = destination address;

Ignition Switch (02_78)

The ignition switch is on the front of the fuel tank where the steering headstock is.

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

The lights can only be switched off with the ignition switch turned to OFF.

NOTE

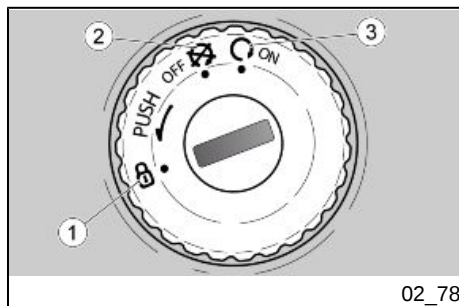
THE KEY IS USED IN THE IGNITION/STEERING LOCK SWITCH, THE KEYHOLE FOR THE FUEL TANK CAP, AND FOR THE SADDLE COMPARTMENT.

NOTE

THE LIGHTS COME ON AUTOMATICALLY AFTER THE ENGINE STARTS.

NOTE

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



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

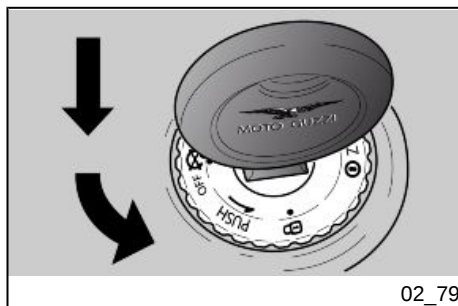
OFF (2): The engine and lights cannot be set to work. The key can be extracted.

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

Locking the Handlebar (02_79)

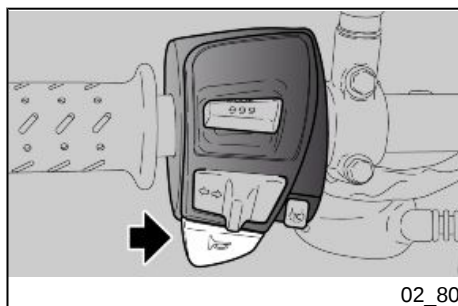


TO AVOID LOSING CONTROL OF THE VEHICLE, NEVER TURN THE KEY TO "LOCK" WHILE RIDING.



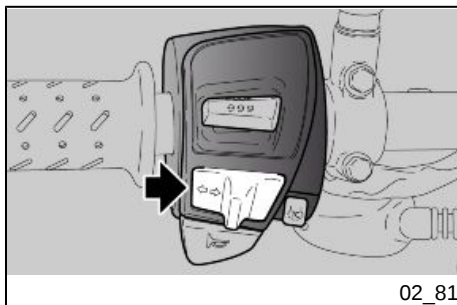
To lock the steering:

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



Horn Button (02_80)

Press it to activate the horn.



Turn Signal Selector (02_81)

Move the switch to the left to indicate a left turn; move the switch to the right to indicate a right turn. Pressing the switch deactivates the turn indicator.

IMPORTANT

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

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

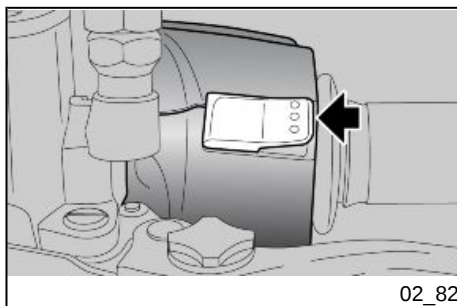
With the vehicle at standstill (speed = zero), the turn indicators continue flashing indefinitely.

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

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

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

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



02_82

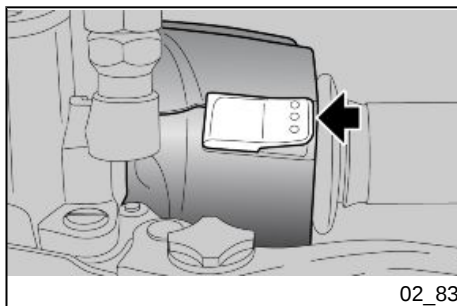
High/Low Beam Selector (02_82)

In the mode with the DRL activated:

- the light switch functions are disabled except for the high beam flasher function
- In the right hand position the high beam flashes in case of danger or emergency.

In the mode with night lights activated:

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

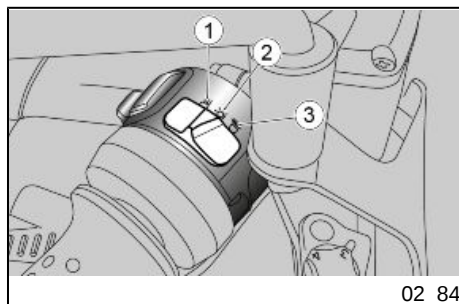


02_83

Passing Button (02_83)

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

Releasing the switch deactivates the high beam flash.

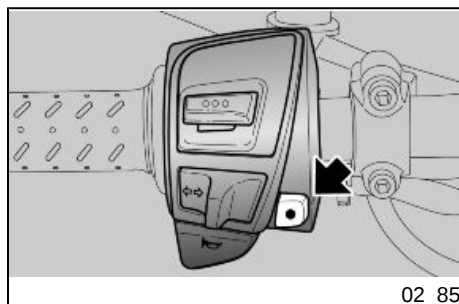


Daytime/night lights switch (02_84)

- Pushing the switch toward the rider (1), the DRL are activated
- Pushing the switch to central position (2), the high beam/low beam night lights are activated
- Pushing the switch forward (3), the high beam/low beam lights are activated and, where provided, the fog lights.

Heated handgrip control (02_85, 02_86)

(IF AVAILABLE)



Activation, deactivation and heat level of the handgrips take place by short pressing the control.

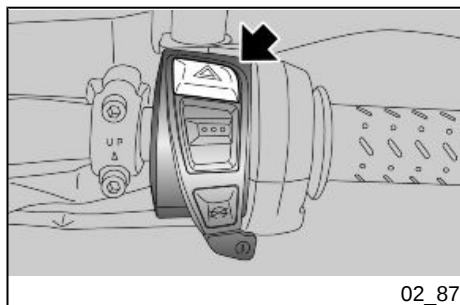


There are 3 heat intensity levels which are activated cyclically from level 1 (minimum) to level 3 (maximum) each time the control is pressed. After level 3, pressing the control again deactivates the function.

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

NOTE

HEATING OF THE HAND GRIPS, REGARDLESS OF THE INTENSITY LEVEL CHOSEN, ONLY OCCURS WITH THE ENGINE STARTED AND OVER 2000 rpm



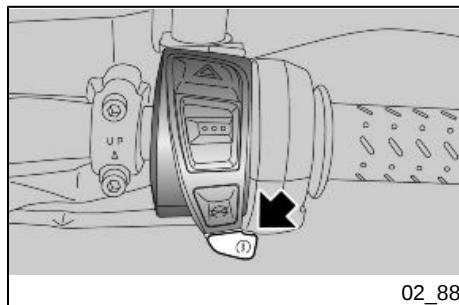
Flasher button (02_87)

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

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

IMPORTANT

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



Start-up Button (02_88)

With the key in the ignition and turned to ON, when the button is pressed, the starter motor will start the engine



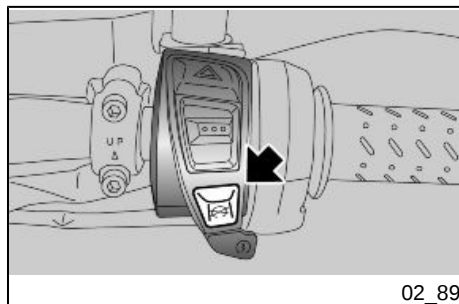
AFTER A FEW SECONDS FROM THE ENGINE START-UP, THE START-UP BUTTON ASSUMES THE MAPPING CHANGE FUNCTION.

Engine Stop Switch (02_89)

IMPORTANT



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



It acts as a safety or emergency switch.

Press this switch to stop the engine.

Button Cruise Control (02_90, 02_91)

IMPORTANT

IN THE NAVIGATOR MODE, THE SPEED SET WITH THE CRUISE CONTROL WILL NO LONGER BE SHOWN.

HOWEVER, THE CRUISE CONTROL WILL CONTINUE ITS NORMAL OPERATION.

THE WAYS IN WHICH THE INDICATOR LIGHTS IS ACTIVATED REMAIN THE SAME.



Cruise control is an electronic system that keeps the vehicle at a constant speed selected by the rider.

To turn the system (switching from OFF to ON state) it is required to centrally press the cruise control selector with a long press (longer than 1 second), the system power is indicated by the warning light on the instrument cluster in flashing mode.

The system can be used in certain ranges of speeds for the gears from the second to the sixth, even during deceleration and with the throttle grip released.

Minimum:

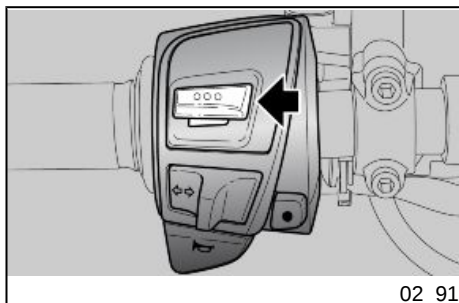
- 19 mph (30 km/h) for the second gear
- 22 mph (35 km/h) for the third gear
- 25 mph (40 km/h) for the fourth gear
- 34 mph (55 km/h) for the fifth and sixth gear

Maximum:

- 37 mph (60 km/h) for the second gear
- 53 mph (85 km/h) for the third gear
- 68 mph (110 km/h) for the fourth gear
- 84 km/h (135 mph) for fifth gear
- 109 km/h (175 mph) for sixth gear

After reaching the desired speed, the system can be activated (transition to SET state) by a short central press (less than 1 second) of the cruise control selector under the following conditions:

- The engaged gear cannot be less than the third and even in neutral;



- The brakes should not be operated;
- The clutch must not be operated;
- The speed conforms to the limit established for each gear

The indicator lamp on the instrument cluster lights continuously to indicate that the system is active.

The rider may now release the throttle grip, as the system will automatically maintain the set speed.

It is possible to increase or decrease the cruising speed with a short press (less than 0.6 second) on the cruise control switch up or down (speed increase / decrease by 1 mph (2 km/h)) or via a long press (from 1 to 20 seconds) up or down (constant increase / decrease of the speed). The throttle may be used to temporarily increase the speed by up to 19 mph (30 km/h) for the second, third and fourth gear and by up to 25 mph (40 km/h) for the fifth and sixth gear with respect to the selected speed without turning off the system (e.g. overtaking). If the increase in speed exceeds 19 mph (30 km/h) for the third, fourth and fifth gear and 25 mph (40 km/h) for the sixth gear, the system will be deactivated (it will change from SET to ON, flashing light). Released the throttle grip, the motorcycle will return to the selected cruising speed. For each gear, exceeding the maximum limit of further 12 mph (20 km/h) causes the system to deactivate (switching from SET to ON status, or flashing indicator light).

The system is deactivated (change from SET to ON status) if any of the following conditions:

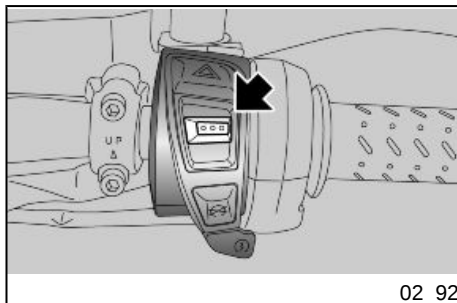
- By operating the clutch;
- Operating the front/rear brake;
- At any gear shift;
- Pressing with a short central pressure the left selector;
- If the engine rpm limiter is activated;
- If the tracking control is activated;
- If climbs or particularly steep descents appear;
- Turning the throttle grip in the direction of contrary rotation

The system can be reactivated, observing the usual conditions described above, via a long press up (more than 0.6 second) on the selector if you want to reconfirm the

last cruising speed used (RESUME function), or by pressing the cruise control switch with a central prolonged press (more than 0.6 second) to set a new cruising speed.

The system turns off completely (change from SET to the OFF state), then the stored speed is lost and the instrument cluster light goes off, if any of the following conditions are present:

- The cruise control selector is pressed centrally for long (more than 0.6 second);
- Run-off interrupter activated;
- Engine stop (Key-OFF);
- In case of failure of any cruise control related device.



02_92

Selector MODE (02_92)

It allows you navigate through the functions of the instrument panel.

ABS system (02_93, 02_94)

The ABS system is a device that prevents wheel locking in case of an emergency braking, thus increasing vehicle stability when braking, compared with a conventional braking system.

The ABS system improves vehicle control provided that the physical limits of vehicle grip on the road are not exceeded. The rider is fully responsible for riding at a suitable

speed based on weather and road conditions, always leaving an appropriate safety margin.

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

NOTE

WHEN THE ABS STARTS WORKING, A PULSING IS FELT ON THE BRAKE LEVER.



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

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

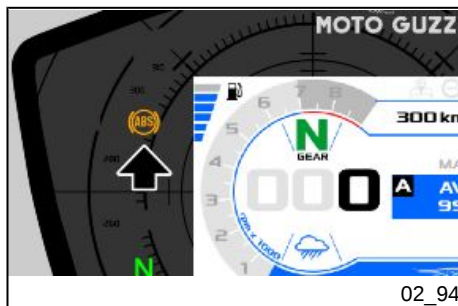
DO NOT SPEED RECKLESSLY. THE VEHICLE GRIP ON THE ROAD IS SUBJECT TO LAWS OF PHYSICS WHICH NOT EVEN THE ABS SYSTEM CAN ELIMINATE.



In **OFF ROAD** mode, the ABS system deactivates automatically for the rear wheel.

IMPORTANT

ONLY IN THIS MODE DOES THE ABS SYSTEM STAY ACTIVE EXCLUSIVELY FOR THE FRONT WHEEL AND THE DEDICATED SYMBOL APPEARS ON THE DISPLAY TO REMIND THE RIDER TO TAKE PARTICULAR CARE.



Upon starting the vehicle, after the initial instrument panel check, the ABS lamp flashes until the speed of 3 mph (5 km/h) is exceeded and then it switches off or continues to flash even after exceeding the speed of 3 mph (5 km/h).

If the ABS warning light continues flashing or is permanently on, a failure has been detected and the ABS has been automatically deactivated.

In this case carry out the following operations:

- stop the vehicle;
- OFF-ON key;
- ride the vehicle with a speed above 3 mph (5 km/h): the ABS warning light must be turned off;
- ABS is functioning.

If the ABS disabled indication remains:

NOTE

IF THIS OCCURS, CONTACT AN OFFICIAL Moto Guzzi dealer

NOTE

THE ABS SYSTEM IS DESIGNED AND DEVELOPED CONSISTENTLY WITH THE ENTIRE VEHICLE, FOR OFF-ROAD USE AS WELL.

IF THE VEHICLE IS USED ON PARTICULARLY ROUGH ROADS, THE ABS SYSTEM MAY BE DISABLED AUTOMATICALLY; IN ANY CASE, THE BRAKING SYSTEM WORKS PERFECTLY WELL AS A TRADITIONAL NON-ABS BRAKING SYSTEM AND PROVIDES A STANDARD STOPPING PERFORMANCE.

IN ORDER TO REACTIVATE THE SYSTEM JUST STOP AND RESTART THE VEHICLE AND RIDE WITH A SPEED ABOVE 3 mph (5 km/h).



THE ABS SYSTEM ACTS ON BOTH THE FRONT AND REAR WHEELS BY OBTAINING INFORMATION FROM THE ROTATION/ LOCKING TONE WHEELS. ALWAYS CHECK THAT THE TONE WHEEL IS CLEAN, AND REGULARLY CHECK THAT THE DISTANCE FROM THE SENSOR IS CONSTANT ON ALL 360 DEGREES. SHOULD THE WHEELS BE REMOVED AND REFITTED, IT IS VERY

IMPORTANT TO CHECK THAT THE DISTANCE BETWEEN TONE WHEEL AND SENSOR IS THE ONE SPECIFIED. FOR CHECKING AND ADJUSTMENT, CONTACT AN Authorised Moto Guzzi Garage.



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

NOTE

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

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



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

Characteristic

Distance between tone wheel and front sensor

0.004 - 0.079 in (0.1 - 2.00 mm)

Distance between tone wheel and the rear sensor

0.004 - 0.079 in (0.1 - 2.00 mm)

MGCT system (Moto Guzzi Controllo Trazione) (02_95)

The MGCT system is a device that helps the rider during acceleration in manoeuvres with the aim to increase the stability of the vehicle, especially on slippery surfaces or in conditions that can cause sudden slippage of the rear wheel. In these situations, the MGCT automatically intervenes by reducing engine output within the limit imposed by the grip conditions, contributing significantly to the maintenance of stability of the vehicle. The rider is entirely responsible for riding at an appropriate speed in relation to the weather, road conditions, vehicle load and state of the tyres, and allowing for an adequate margin of safety, taking into consideration that the physical limits of vehicle grip on the road never have to be exceeded. Under no circumstances can MGCT compensate for any rider error or improper use of the throttle.

IMPORTANT



THE MGCT SYSTEM DOES NOT PREVENT FALLING IN TURNS.

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

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

WARNING

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

TO CALIBRATE, PERFORM THE PROCEDURE DESCRIBED IN THE "ADVANCED FUNCTIONS" CHAPTER



To disable the MGCT system, refer to the "advanced functions" chapter.

The visual warning signals of the MGCT system consists of orange indicator lamps on the top of the instrument panel and the orange MGCT indicator lamp on the right.

Flashing mode:

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

- Flashing quickly with moving vehicle: The system is functioning correctly and is active (poor grip conditions, engine power limiting in effect); ride with extreme care, as the grip limit has been exceeded; restore the vehicle safety conditions by gently reducing the throttle opening.

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

- If the rider has disabled the system, remember that it must be reactivated as soon as possible.
- If the deactivation was NOT voluntary, there is an MGCT system failure: in this case you must contact an Authorised Service Centre for the diagnosis and the reactivation of the system.

To ensure maximum safety of the vehicle it is advisable to keep the system active. Deactivation may only be necessary if starting on very low grip surfaces (mud, snow, gravel) on which intervention of the MGCT could prevent the vehicle from moving.

IMPORTANT

THE STATE OF THE MGCT SYSTEM CAN ONLY BE MODIFIED WITH THE KEY TURNED TO ON.

NOTE

AT VEHICLE START-UP THE MGCT WARNING LIGHT FLASHES AT THE SAME FREQUENCY AS THE ABS WARNING LIGHT, INDICATING A DIAGNOSTIC PHASE OF THE SYSTEM. IF THERE ARE NO ERRORS, BOTH WARNING LIGHTS TURN OFF AT THE SAME TIME WHEN EXCEEDING 3 mph (5 km/h).

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

WARNING

IF DISABLED BY THE USER, THE MGCT SYSTEM KEEPS THE STATE OF INACTIVITY ONLY IF THE VEHICLE IS STOPPED USING THE ENGINE STOP SWITCH (RUN-OFF)

IMPORTANT

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

NOTE

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

IMPORTANT

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

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

IMPORTANT

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



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

Characteristic

Distance between tone wheel and front sensor

0.004 - 0.079 in (0.1 - 2.00 mm)

Distance between tone wheel and the rear sensor

0.004 - 0.079 in (0.1 - 2.00 mm)



immobilizer system performance (02_96, 02_97, 02_98)

For enhanced theft protection, the vehicle is equipped with an electronic immobilizer system that is activated automatically when the ignition key is removed.

Keep the second key in a safe place since it is not possible to make a copy if it gets lost. This would imply replacing numerous parts of the vehicle (besides the locks).

Each key in the grip has an electronic device - transponder - which modulates the radio frequency signal emitted by a special aerial inside the switch when the vehicle is started.

The modulated signal is the "password" by which the appropriate central unit recognises the key and only after this occurs, it allows the engine start-up.

IMPORTANT

THE IMMOBILIZER SYSTEM CAN MEMORISE UP TO FOUR KEYS.

DATA STORAGE OPERATION CAN ONLY BE PERFORMED AT THE DEALER'S.

DATA STORAGE PROCEDURE CANCELS THE EXISTING CODES. THEREFORE, IF A CUSTOMER WANTS TO PROGRAM SOME NEW KEYS, S/HE SHOULD GO TO THE DEALER TAKING ALL THE KEYS S/HE WANTS TO ENABLE.

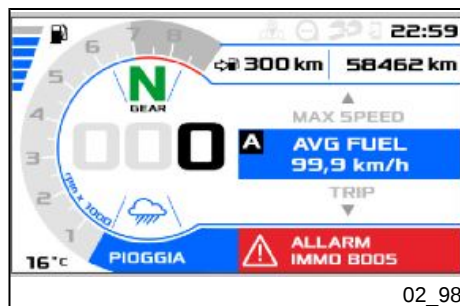
In the event the instrument panel detects a fault with the immobilizer system when the key is connected, you will need to enter the user code to start the motorcycle. At the same time the indicator light appears on the instrument panel, the general red warning light will come on.

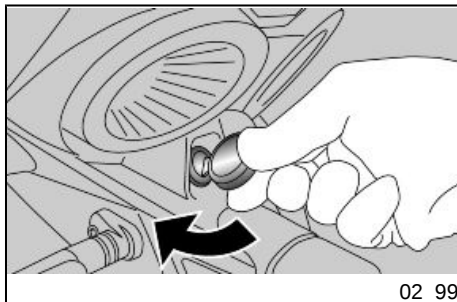


Once the code has been correctly entered, the error will be displayed on the screen. It is then possible to start the motorcycle so you can go immediately to an Authorized **Moto Guzzi** Dealership.

IMPORTANT

PRESSING OR MOVING ANY CONTROL ON THE LEFT SWITCH CLUSTER, IT IS POSSIBLE TO REMOVE THE ERROR NOTIFICATION SCREEN, BUT THE SCREEN WILL BE VISIBLE AGAIN AFTER ABOUT 10 SECONDS.

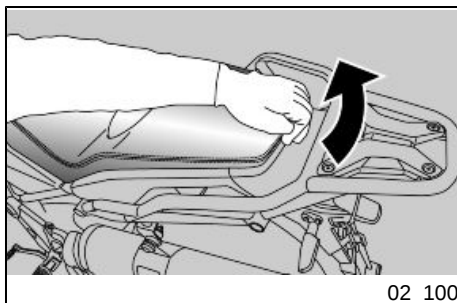




02_99

Opening the saddle (02_99, 02_100, 02_101)

- Rest the vehicle on its stand.
- Insert the key in the saddle lock located under the rear headlamp.
- Turn the key clockwise.

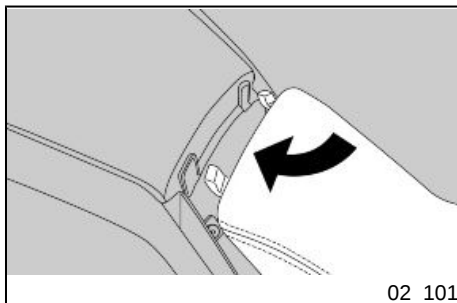


02_100

- Slightly press the middle of the saddle's rear part so that the hook is easily released; lift and slide off the saddle backwards.

IMPORTANT

BEFORE LOWERING AND LOCKING THE SADDLE, MAKE SURE THAT THE IGNITION KEY HAS NOT BEEN FORGOTTEN IN AN UNSUITABLE POSITION UNDER THE SADDLE.



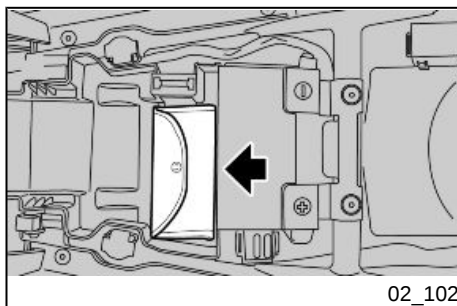
02_101

To lock the saddle:

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



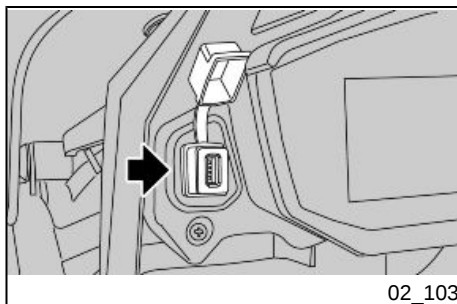
BEFORE RIDING, MAKE SURE THAT THE SADDLE IS CORRECTLY LOCKED.



02_102

Glove/tool kit compartment (02_102)

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



02_103

USB Port (02_103)

On the left side of the motorcycle, near the digital display is a USB port

To use it, remove the protection cap.



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



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

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

WARNING

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

USB PORT

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

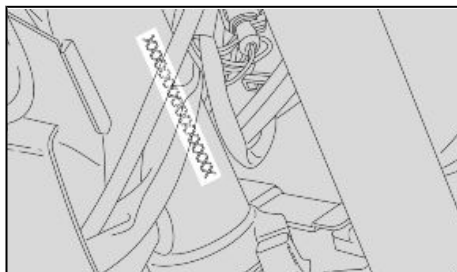
The identification (02_104, 02_105)

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

IMPORTANT



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

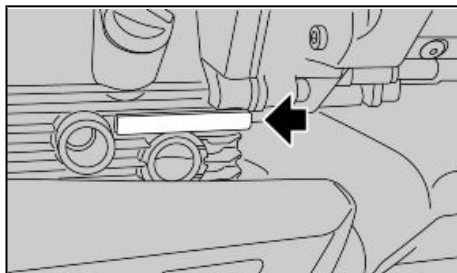


02_104

FRAME NUMBER

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

Chassis No.

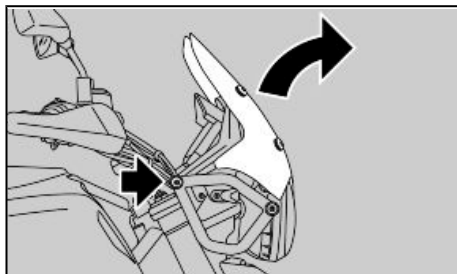


02_105

ENGINE NUMBER

The engine number is stamped on the left side, next to the engine oil filler plug.

Engine No.



02_106

Windshield adjustment (02_106)

It is possible to adjust the windscreen manually as follows:

- Working from both sides, loosen the two screws.
- Adjust the wind shield to the desired position and tighten the two screws.

V85 TT - V85 TT Travel E5



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.

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



03_01

Every time the ignition switch is set to 'KEY ON', all indicator light turns on for approximately two seconds.

PRE-RIDE CHECKS

Front and rear disc brake

Check for proper operation. Check brake lever empty travel and brake fluid level. Check for leaks. Check

	brake pads for wear. If necessary top-up with brake fluid.
Throttle grip	Check that the rotation is smooth in both directions and that there is no jamming.
Engine oil	Check and/or top-up as required.
Wheels/ tyres	Check that tyres are in good conditions. Check inflation pressure, tyre wear and potential damage. Remove any possible strange body that might be stuck in the tread design.
Brake levers	Check they function smoothly. Lubricate the joints and adjust the travel if necessary.
Clutch lever	Check correct operation and empty travel. Check the condition of the cable on the handlebar and on the engine. The cable must be replaced if it shows any signs of fraying. Lubricate the joints if necessary.
Steering	Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.
Side stand	Check that it slides smoothly and that it snaps back to its rest position upon spring tension. Lubricate couplings and joints if necessary.

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

Refueling (03_02)

IMPORTANT

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

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

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

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

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

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

IMPORTANT

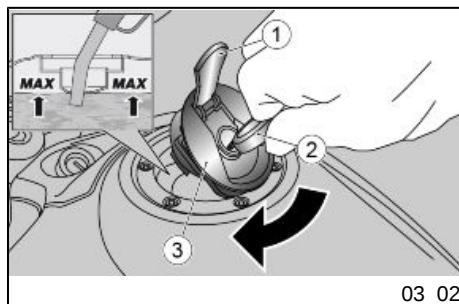
THE FUEL IS POISONOUS AND CARCINOGENIC AND CONTAINS CHEMICALS THAT CAUSE IMPAIRMENTS AND SEVERAL BIRTH PROBLEMS.

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

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

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

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



Characteristic

Fuel

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

To refuel:

- Lift the cover (1).
- Insert the key (2) into the tank plug lock.
- Turn the key clockwise, pull and open the fuel cap (3).

IMPORTANT



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

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

Characteristic

Fuel tank capacity (including reserve)

6.08 +/- 0.26 US gal (5.06 +/- 0.22 UK gal; 23 +/- 1 l)

Fuel tank reserve capacity

1.32 +/- 0.13 US gal (1.10 +/- 0.11 UK gal; 5 +/- 0.5 l)

NOTE

DO NOT FILL THE TANK UP TO THE RIM; FUEL MAXIMUM LEVEL MUST ALWAYS BE BELOW THE LOWER EDGE OF THE FILLER NECK (SEE FIGURE).

- Refill.

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.**

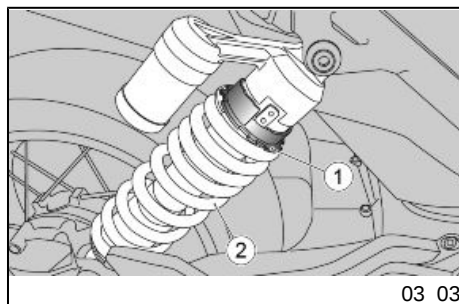
**DURING REFUELLING, AVOID THE USE OF ELECTRIC DEVICES AND/OR MO-
BILE PHONES, BECAUSE FUEL VAPOURS MAY CAUSE DAMAGE TO OBJECTS
AND/OR PERSONAL INJURIES.**

After refuelling:

- The cap can only be closed if the key (2) is inserted.
- Once the key (2) is inserted, press the cap to close it again.
- Remove the key (2).
- Close the cover (1).



MAKE SURE THE CAP IS TIGHTLY CLOSED.



03_03

Rear shock absorbers adjustment (03_03, 03_04)

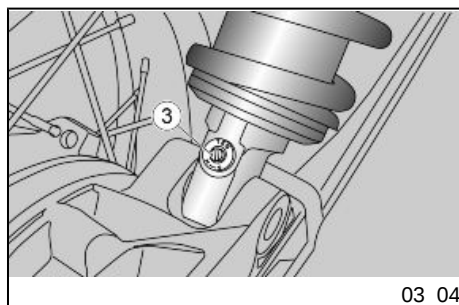
The shock absorber has an adjuster ring (1) in order to regulate the spring preload (2).

NOTE

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

IMPORTANT

DO NOT FORCE THE ROTATION OF THE ADJUSTMENT SCREW BEYOND THE LIMIT STOP IN BOTH DIRECTIONS, IN ORDER TO PREVENT ANY DAMAGE.



03_04

On the lower part of the shock absorber there is an adjuster (3) to adjust the rebound braking.

IMPORTANT

DO NOT FORCE THE ROTATION OF THE ADJUSTMENT SCREW BEYOND THE LIMIT STOP IN BOTH DIRECTIONS, IN ORDER TO PREVENT ANY DAMAGE.

Spring pre-load

By adjusting the spring pre-load, the seat of the spring itself is moved. Carrying out the adjustment, you can decrease or increase the stiffness of the spring and therefore lower or raise the height of the rear of the vehicle. The spring pre-load is essential for the function performed by the rear shock absorbers. If the spring pre-load is not adjusted correctly, no other adjustment will be effective to obtain good shock absorber performance.

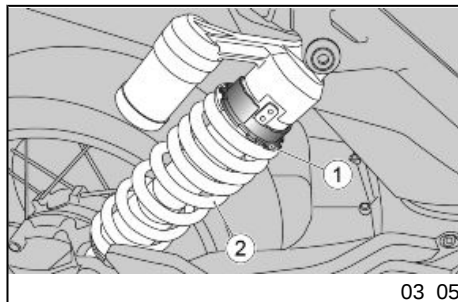
Rebound braking

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

Setting rear shock absorbers (03_05, 03_06)

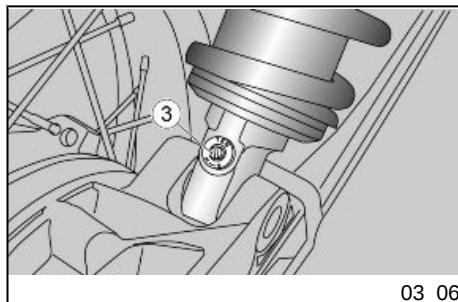
Spring pre-load adjustment

Turn the adjuster ring (1) with a hook spanner to adjust the shock spring preload (2). Rotate the ring adjuster (1) clockwise to increase the pre-load or anticlockwise to decrease the pre-load.



Rebound braking adjustment

Rebound braking adjustment is carried out by rotating the adjuster (3) located on the bottom part of the shock absorber. Rotate the ring adjuster clockwise to increase rebound braking or anticlockwise to decrease rebound braking.



Follow the instructions in the tables below for the optimal setting of the vehicle according to the conditions of use.

RECOMMENDED SETTING

ADJUSTMENT TYPE	ONLY THE RIDER	RIDER + BAGS AND TOP CASE OR RIDER + PASSENGER	RIDER + PASSENGER + BAGS AND TOP CASE
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