

Dear Customer,

Thank you for choosing a Moto Guzzi vehicle.

We have prepared this booklet for you to appreciate the qualities of the vehicle. We recommend that you read it in its entirety before you start riding for the first time, familiarize yourself with the controls and understand the behaviour of the vehicle in order to use it correctly. This document contains tips, warnings and important information for the safety, correct operation, maintenance and care of your vehicle. We advise you to keep this booklet for easy consultation and to hand it over to the new owner in the event of sale, as it constitutes an integral part of the vehicle itself. We hope you enjoy reading this manual. Have a great journey!

We strongly recommend that you download and view the full and updated version of the present document, which is available from the website:

<https://manuals.motoguzzi.com>

V85TT - V85TT Travel - V85TT Strada



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INSTRUCTIONS

The instructions given in this manual are intended to provide a clear and simple guide for using your vehicle. Details are also given of routine maintenance procedures and regular checks which should be carried out on the vehicle by a Moto Guzzi dealer or authorised service centre.

Any operations not specifically described in this booklet require the use of special tools and/or particular technical knowledge: we recommend having these operations carried out by a Moto Guzzi dealer or authorised service centre.

Read this manual thoroughly before using your vehicle. Follow the instructions contained in this manual for your personal safety and to ensure the durability of your vehicle. Failure to observe these instructions may cause personal injury or damage to the vehicle.

WARNING

This use and maintenance manual contains descriptions of the technical data and functional characteristics of the vehicle applicable for the different variants and configurations currently in production. Only the information relative to the configuration, engine variant and version of the vehicle purchased by you must be taken into consideration.

Piaggio & C. S.p.A. reserves the right to implement modifications to the model described in this document at any time, for any technical or commercial reasons it deems fit.

CHANGE/MODIFY THE VEHICLE

Any modifications or alterations made to the vehicle may void the warranty and may also compromise the road-holding characteristics of the vehicle and cause an accident, putting the safety of the driver and occupants at serious risk.

This use and maintenance manual contains paragraphs identified by signal word DANGER, with warnings for avoiding accident or injury, and paragraphs identified by the signal words WARNING and NOTE, with information to help the user avoid improper use of the vehicle and its components. A number of paragraphs identified by the signal word WARNING are also included with information to help avoid procedures and actions which could damage your vehicle. Observe all DANGER and WARNING instructions and indications in this manual, which are identified by the symbols:



Safety of Persons

The total or partial failure to follow these instructions may lead to serious personal injury.



Integrity of the vehicle

The total or partial failure to follow these instructions may lead to serious damage to the vehicle and may even invalidate the warranty.



Safeguarding the Environment

Indicates the correct behaviour to adopt for an environmentally-friendly use of the vehicle.

Note

Indicates a note that provides important information to make the process easier and clearer.

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CHAPTER 01 General mandatory requirements

General Safety Instructions

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

N.B.:



THE MAINTENANCE FREQUENCY INDICATED IN THE SCHEDULED MAINTENANCE PLAN SHOULD BE CONSIDERED AS A GENERAL GUIDE WHEN USING THE VEHICLE IN NORMAL RIDING CONDITIONS.

IN PARTICULAR CONDITIONS, IT MAY BE NECESSARY TO INCREASE MAINTENANCE FREQUENCY. THIS APPLIES ESPECIALLY IN GEOGRAPHICAL

AREAS WITH ADVERSE WEATHER CONDITIONS, OR ON ROUGH TERRAIN, OR FOR HEAVY INDIVIDUAL USE.

N.B.:



IF THE VEHICLE FALLS, WHETHER WHILE MOVING OR STATIONARY, ALWAYS TAKE IT TO AN OFFICIAL Moto Guzzi DEALER, WHICH WILL CHECK IT THOROUGHLY TO MAKE SURE THAT IT IS UNDAMAGED AND IN PERFECT WORKING ORDER.

N.B.:



THIS USE AND MAINTENANCE MANUAL IS AN IMPORTANT DOCUMENT AND MUST STAY WITH YOUR VEHICLE AT ALL TIMES.

IN THE EVENT OF RESALE, PLEASE GIVE 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 official **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 use and maintenance manual, for the purchase of original spare parts, accessories and other **Moto Guzzi** products, as well as support on specific problems, please contact your local **Moto Guzzi** dealer. 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.

Motorcycle care

Moto Guzzi recommends using quality products for cleaning the vehicle. The use of unsuitable products can damage vehicle components. For cleaning do not use solvents such as "nitro thinner", "cold cleaning agents", fuels or the like, or cleaning products that contain alcohol.

WASHING THE MOTORCYCLE

Moto Guzzi recommends softening with water and then carefully removing the insects and stubborn stains before washing the vehicle.

To prevent stains, do not wash the motorcycle immediately after exposure to sunlight, and do not wash it in the sun.

If the vehicle is used during the winter months, be sure to frequently wash the motorcycle. To remove anti-icing salt sprayed on roads in the winter, wash the motorcycle with cold water immediately after use.

CAUTION



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

WARNING



HOT WATER INTENSIFIES THE SALT'S EFFECT. USE ONLY PLENTY OF COLD WATER TO WASH AND REMOVE ANTI-ICING SALT.

WARNING



THE USE OF HIGH PRESSURE WASH SYSTEMS (OR STEAM CLEANERS) CAN DAMAGE THE SEAL GASKETS, THE OIL SEAL, THE BRAKING SYSTEM, THE ELECTRICAL SYSTEM AND THE SEAT. DO NOT USE STEAM OR HIGH PRESSURE WASHING SYSTEMS. DO NOT POINT THE NOZZLE FOR A LONG TIME ON THE STEERING BEARINGS, THE WHEEL BEARINGS, THE INSIDE OF THE REAR WHEEL HUB, THE HYDRAULIC BRAKE CIRCUIT AND ELECTRICAL PARTS.

CLEANING OF SENSITIVE PARTS BODYWORK

To keep the motorcycle bright, wash it regularly, especially if used in areas with high levels of pollution or mud. Stubborn stains of tree resin, petrol, oil, brake liquid or bird droppings should be removed

immediately, otherwise the stains risk becoming permanent.

After washing it is easy to identify marks and residual stains, remove them from the body using a soft cloth and brand-name, non-abrasive polish, and protect with a protective wax for cars. Periodic care, a thorough cleaning and regular protective wax for the bodywork preserves the aesthetic quality of the motorcycle over the long term.

PLASTIC COMPONENTS

WARNING



IF THE PLASTIC COMPONENTS ARE CLEANED USING AGGRESSIVE AGENTS, THE SURFACE MAY BE DAMAGED. NEVER USE CLEANING PRODUCTS CONTAINING ALCOHOL, SOLVENTS OR ABRASIVES TO CLEAN PLASTIC PARTS. ROTARY BRUSHES OR SPONGES WITH A HARD SURFACE MAY CAUSE SCRATCHES.

CHROME PARTS AND POLISHED METAL

WARNING



TREAT THE PARTS MADE OF CHROME, ALUMINUM OR POLISHED

STEEL IN A SPECIAL MANNER. WASH THEM WITH PLENTY OF WATER AND CAR SHAMPOO, POLISH THEM AND REFRESH PERIODICALLY WITH SPECIAL POLISHING CREAM. PROTECT THEM WITH WAX OR APPROPRIATE ACID-FREE PRODUCTS (E.G. VASELINE).

RADIATOR

WARNING



IF THE MOTORCYCLE IS USED IN WINTER ON ROADS WHERE SALT IS SCATTERED FOR ICE PROTECTION, WASH THE RADIATOR REGULARLY IN ORDER TO PREVENT AESTHETIC DETERIORATION AND ENGINE OVERHEATING. WASH WITH ABUNDANT WATER. FOR EXAMPLE, USE THE GARDEN HOSE WITH LOW-PRESSURE WATER.

RUBBER PARTS

Clean the rubber parts using water and mild shampoo (brand-name, suitable for car bodies)

WARNING



THE USE OF SILICONE SPRAY TO CLEAN THE RUBBER SEALS MAY CAUSE DAMAGE. DO NOT USE ANY OTHER PRODUCTS CONTAINING SILICON TO CLEAN THE MOTORCYCLE.

Carbon monoxide

If it is necessary to run the engine for maintenance work, make sure the area where you are working is well ventilated. **Never leave the engine running in closed places.**

If it is necessary to work indoors, use an exhaust extraction system.

CAUTION



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

CAUTION



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

Fuel

Keep the petrol out of the reach of children. Petrol is toxic. Do not use the mouth to siphon the petrol. Avoid contact of the petrol with the skin. If you should accidentally come into contact with petrol, change your clothes immediately and wash the area where petrol has been spilled thoroughly with soap and warm water. Should you accidentally ingest petrol, do not induce vomiting. Drink plenty of fresh water or milk and consult a doctor immediately.

If petrol should inadvertently come into contact with the eyes, rinse thoroughly with clean, fresh water and consult a doctor immediately.

CAUTION



THE FUEL USED TO PROPEL COMBUSTION ENGINES IS HIGHLY FLAMMABLE AND CAN EXPLODE IN CERTAIN CONDITIONS. IT IS THEREFORE RECOMMENDED TO

CARRY OUT REFUELING AND MAINTENANCE PROCEDURES IN A VENTILATED AREA WITH THE ENGINE SWITCHED OFF. DO NOT SMOKE DURING REFUELING AND NEAR FUEL VAPORS, AVOIDING ANY CONTACT WITH OPEN FLAMES, SPARKS OR OTHER SOURCES WHICH MAY CAUSE THEM TO IGNITE OR EXPLODE.

DISPOSE OF FUEL RESPONSIBLY, ALWAYS ADOPTING THE APPROPRIATE METHODS.

KEEP OUT OF THE REACH OF CHILDREN.

Hot parts

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.

Indicator lamps

WARNING



IF THE ALARM WARNING LIGHTS COME ON DURING NORMAL ENGINE

FUNCTIONING, IT MEANS THE ELECTRONIC CONTROL UNIT HAS DETECTED A FAULT.

WARNING



IF THE GENERAL ALARM LIGHT FLASHES (OIL PRESSURE ALARM) DURING NORMAL ENGINE OPERATION, IT MEANS THE OIL PRESSURE IN THE CIRCUIT IS INSUFFICIENT. IN THIS CASE, IT IS MANDATORY TO TURN OFF THE ENGINE STRAIGHT AWAY TO PREVENT ANY DAMAGE.

WARNING



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 transmission oil

CAUTION



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

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

WASH YOUR HANDS CAREFULLY AFTER HANDLING OIL.

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

DO NOT DISPOSE OF THE OIL IMPROPERLY.

KEEP OUT OF THE REACH OF CHILDREN.

Brake fluid

CAUTION



BRAKE FLUID IS EXTREMELY POISONOUS. NEVER ALLOW BRAKE FLUID TO BE INGESTED OR SWALLOWED. SHOULD BRAKE FLUID ACCIDENTALLY BE SWALLOWED, DRINK LARGE QUANTITIES OF MILK OR PURE WATER AND IMMEDIATELY SEEK PROFESSIONAL MEDICAL ASSISTANCE. BRAKE FLUID IS HIGHLY DESTRUCTIVE TO SKIN AND EYE TISSUE. SHOULD YOU ACCIDENTALLY SPILL BRAKE FLUID ON YOURSELF, REMOVE THE CONTAMINATED CLOTHING, WASH YOUR BODY WITH SOAP AND WARM WATER IMMEDIATELY AND SEEK PROFESSIONAL MEDICAL ASSISTANCE. SHOULD YOU ACCIDENTALLY SPLASH BRAKE FLUID INTO YOUR EYES, FLUSH WITH A LARGE QUANTITY OF COOL, CLEAR WATER AND IMMEDIATELY SEEK PROFESSIONAL MEDICAL ASSISTANCE. KEEP BRAKE FLUID AWAY FROM CHILDREN.

CAUTION



BRAKE FLUID CAN DAMAGE PAINT FINISH, 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 FOR 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 electrolyte and hydrogen gas

CAUTION



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. IF THE FLUID GETS INTO CONTACT WITH THE EYES, WASH WITH

ABUNDANT WATER FOR FIFTEEN MINUTES AND CONSULT AN EYE SPECIALIST IMMEDIATELY. THE BATTERY RELEASES EXPLOSIVE GASES. KEEP IT AWAY OF FLAMES, SPARKS, CIGARETTES OR ANY OTHER HEAT SOURCE. ENSURE ADEQUATE VENTILATION WHEN SERVICING OR RECHARGING THE BATTERY.

KEEP OUT OF THE REACH OF CHILDREN.

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

Stand

CAUTION



DO NOT SIT ON THE VEHICLE WHILE STATIONARY ON THE SIDE STAND. THE PARKING STAND IS EXCLUSIVELY DESIGNED TO KEEP THE VEHICLE BALANCED. THE ADDITIONAL WEIGHT OF A RIDER, PASSENGER OR BOTH COULD CAUSE THE VEHICLE TO FALL,

RESULTING IN SERIOUS INJURY OR DEATH.

BEFORE MOVING THE VEHICLE:

CHECK THAT THE SIDE STAND AND/OR THE CENTRAL STAND (IF PROVIDED) ARE COMPLETELY RAISED. IF THE STANDS ARE NOT FULLY RAISED, THIS MAY BE SERIOUS INJURY OR DEATH.

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.
- TO PREVENT DAMAGE FROM EXCESSIVE OVERHEATING, AUTOMATIC ENGINE SHUT-DOWN IS PROVIDED FOR LONG STAYS IN NEUTRAL, AT IDLE SPEED, AND IN EXTREMELY HOT CONDITIONS. IN ANY CASE, EVEN AFTER THE AUTOMATIC SHUT-DOWN, THE ENGINE CAN BE SWITCHED ON AGAIN IMMEDIATELY.
- 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.).
- IF THE ENGINE TEMPERATURE IS VERY HIGH, IT IS POSSIBLE THAT THE COOLING FAN WILL CONTINUE TO RUN FOR SEVERAL SECONDS EVEN AFTER THE ENGINE HAS BEEN SWITCHED OFF. THIS BEHAVIOUR IS NOT TO BE CONSIDERED ABNORMAL, IT'S A STRATEGY SPECIFICALLY CREATED TO PROTECT THE ENGINE.

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.

WARNING



SOME OF THE VEHICLE'S CONNECTORS CAN BE EASILY CONFUSED AND, IF MOUNTED INCORRECTLY, MAY CAUSE PROBLEMS WITH NORMAL VEHICLE OPERATION AND/OR IRREPARABLY DAMAGE VEHICLE PARTS.

If you have any questions regarding your warranty rights and responsibilities, please contact Piaggio Group Americas, Inc., 860 Washington Street, 9th Floor, New York, NY 10014 U.S.A. Telephone number: (212) 380 4400, email: customercare@us.piaggio.com, 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 traffic code and vehicle use

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.

CAUTION



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.

Warranty for noise emissions

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 4400, or by writing to:

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

860 Washington Street, 9th Floor,

New York, NY 10014

U.S.A.

email: customercare@us.piaggio.com

Information on exhaust fumes and noise control system

Origins of emissions

CAUTION



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

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

Tampering

CAUTION



TAMPERING WITH THE NOISE CONTROL SYSTEM IS PROHIBITED. FEDERAL LAW PROHIBITS THE FOLLOWING ACTS:

A) REMOVAL OR RENDERING INOPERATIVE BY ANY PERSON OTHER THAN FOR PURPOSES OF MAINTENANCE, REPAIR, OR REPLACEMENT, ANY DEVICE OR ELEMENT OF DESIGN INCORPORATED INTO ANY NEW SCOOTER FOR THE PURPOSE OF NOISE CONTROL PRIOR TO ITS SALE OR DELIVERY TO THE ULTIMATE PURCHASER OR WHILE IT IS IN USE.

B) USE OF THE MOTORSCOOTER AFTER SUCH DEVICE OR ELEMENT OF DESIGN HAS BEEN REMOVED OR RENDERED INOPERATIVE BY ANY PERSON.

AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE ACTS LISTED BELOW:

A) REMOVAL OF, OR PUNCTURING THE MUFFLER, BAFFLES, HEADER PIPES OR ANY OTHER COMPONENT WHICH CONDUCTS EXHAUST GASES.

B) REMOVAL OR PUNCTURING OF ANY PART OF THE INTAKE SYSTEM.

C) LACK OF PROPER MAINTENANCE.

D) REPLACEMENT OF ANY REMOVABLE PART OF THE SCOOTER, OR OF THE EXHAUST OR INTAKE SYSTEM, WITH PARTS OTHER

THAN THOSE INDICATED BY PIAGGIO GROUP.

WARNING



THE VEHICLE SHOULD BE CHECKED FOR REPAIR OR REPLACEMENT IF THE SCOOTER NOISE HAS INCREASED SIGNIFICANTLY THROUGH USE. OTHERWISE, THE OWNER MAY BECOME SUBJECT TO PENALTIES UNDER STATE AND LOCAL ORDINANCES.

Problems affecting emissions

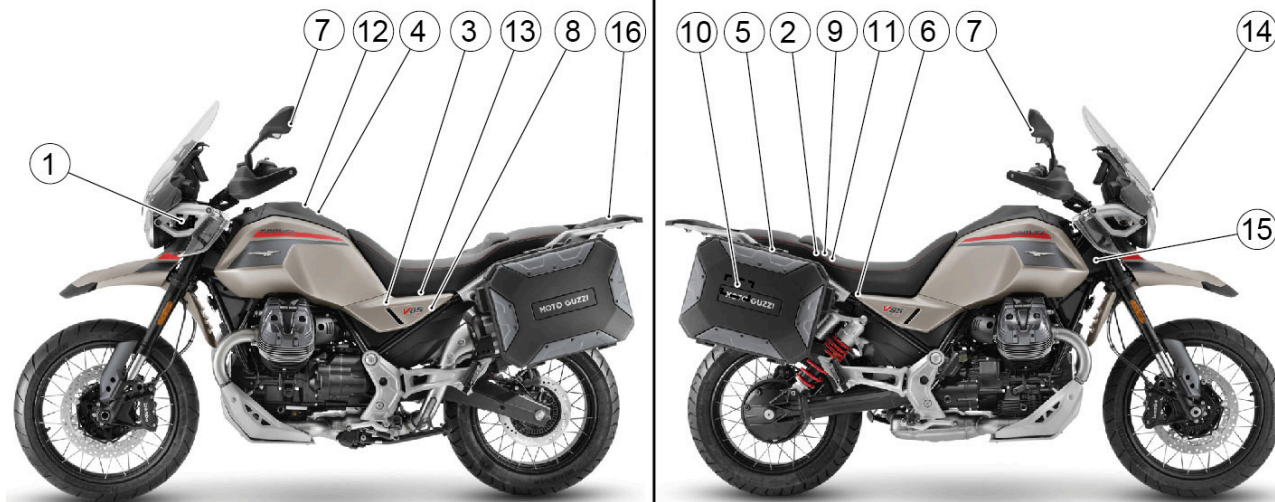
If one of the following symptoms are experienced, have the vehicle checked and repaired immediately by your local **Moto Guzzi** dealer.

Symptoms:

- Difficulty starting, or stalling the engine after starting.
- Unstable idle speed.
- Ignition problems, misfire during acceleration. Pre-ignition/pinking
- Manoeuvring difficulties.
- Poor engine performance, reduced handling or excessive fuel consumption.

Positioning of warning labels

1 General mandatory requirements



Key to labels

License plate 1

- Plate only on the America version vehicle.

○ MFD BY MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A. [REDACTED]	○ G1NR ??? KG (??? LB) GAWR F. ??? KG (??? LB) WITH ???/?? ? ? ? ? ? TIRE AND ??? ? ? ? ? ? ? ? ? ? AT ??? KPA (?? PSI) COLD GAWR R. ??? KG (??? LB) WITH ??? ? ? ? ? ? ? ? ? ? AND ??? ? ? ? ? ? ? ? ? ? AT ??? KPA (?? PSI)
THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE	
VIN: [REDACTED]	
○ TYPE: MOTORCYCLE	

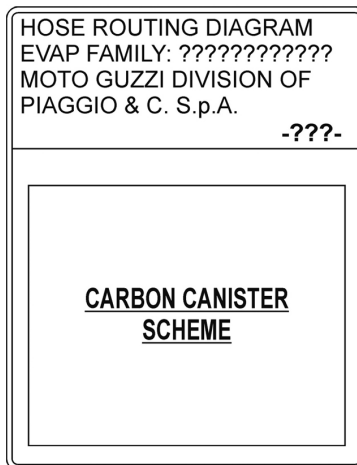
USA

- Plate only on the Canada version vehicle.

○	MFD BY / FABRIQUE PAR:	○	MOTO GUZZI DIVISION OF PIAGGIO & C. S.p.A.	○
QVWR / PNBY: ??? KG				
FRONT / AVANT GAWR / PNBE: ??? KG				
REAR / ARRIERE GAWR / PNBE: ??? 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 AUX NORMES QUELLES QUE SONT APPLIQUEES 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

License plate 2



License plate 3


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 (psi)		Tires size	Front tire	
		Front tire	Rear tire		Front tire	Rear tire
		???	???	Tires size	??????	??????
		(??)	(??)		??????	??????
		???	???	??????	??????	
		(??)	(??)	??????	??????	
		???	???	??????	??????	
		(??)	(??)	??????	??????	

License plate 4

⚠ 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.

License plate 5

⚠ WARNING!
Never install accessories or replacement parts not approved by Moto Guzzi as original equipment. This can degrade the handling and safety of your motorcycle, and can cause an upset with subsequent accident and serious injury or even death. The stability and safety of any motorcycle is adversely affected by the addition of any load carrying accessory. See owner's manual.

License plate 6

⚠ WARNING!

Contain sulfuric acid which can cause severe injuries. Avoid contact with skin, eyes or clothing. Antidote: **EXTERNAL - Flush with water. INTERNAL - Drink large quantities of water or milk.** Follow with milk of magnesia, beaten egg or veg. oil. Call physician immediately. Eyes: Flush with water for 15 minutes and get prompt medical attention.

KEEP OUT OF REACH OF CHILDREN.

Batteries produce explosive gases. Keep sparks, flames, cigarettes away. Charge only in well-ventilated space. Always wear protective goggles when working around batteries. Always connect the battery vent tube. Failure to heed this warning will cause corrosion of the electrical system.

License plate 7

OBJECTS IN MIRROR ARE CLOSER THAN THEY APPEAR.

Plate 8

MOTORCYCLE NOISE EMISSION CONTROL INFORMATION		
THIS 2024 GUZMGU1042 MOTORCYCLE, ZGU1050 MEETS EPA NOISE EMISSION REQUIREMENTS OF 80 dBA AT 4785 closing r.p.m. BY FEDERAL TEST PROCEDURE. MODIFICATIONS WHICH CAUSE THIS MOTORCYCLE TO EXCEED FEDERAL NOISE STANDARDS ARE PROHIBITED BY FEDERAL LAW. SEE OWNER'S MANUAL.		
(code: 2G000890)	MGU	

License plate 9

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

License plate 10

Muffler stamping

License plate 11

THIS SPARK IGNITION SYSTEM COMPLIES WITH THE CANADIAN STANDARD ICES-002.
CE SYSTÈME D'ALLUMAGE PAR ÉTINCELLE DE VÉHICULE EST CONFORME À LA NORME NMB-002 DU CANADA.

CDN

License plate 14

PIAGGIO & C. S.p.A.	
Type: KW	
	??R-??????
	??R-???????
(code: ????????)	

License plate 12

WARNING!	
USE ONLY GASOLINE UP TO E10 (MAXIMUM 10% OF ETHANOL CONTENT).	
NEVER USE GASOLINE WITH ETHANOL CONTENT HIGHER THAN 10%. THE USE OF GASOLINE WITH ETHANOL CONTENT HIGHER THAN 10% CAN DAMAGE THE ENGINE AND THE FUEL SYSTEM AND WILL VOID THE MANUFACTURER'S WARRANTY.	
Code: *****	

License plate 13

- Plate only on the Canada version vehicle.

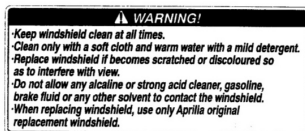


Plate 15

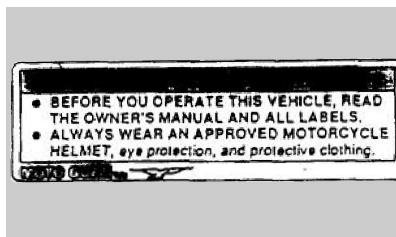
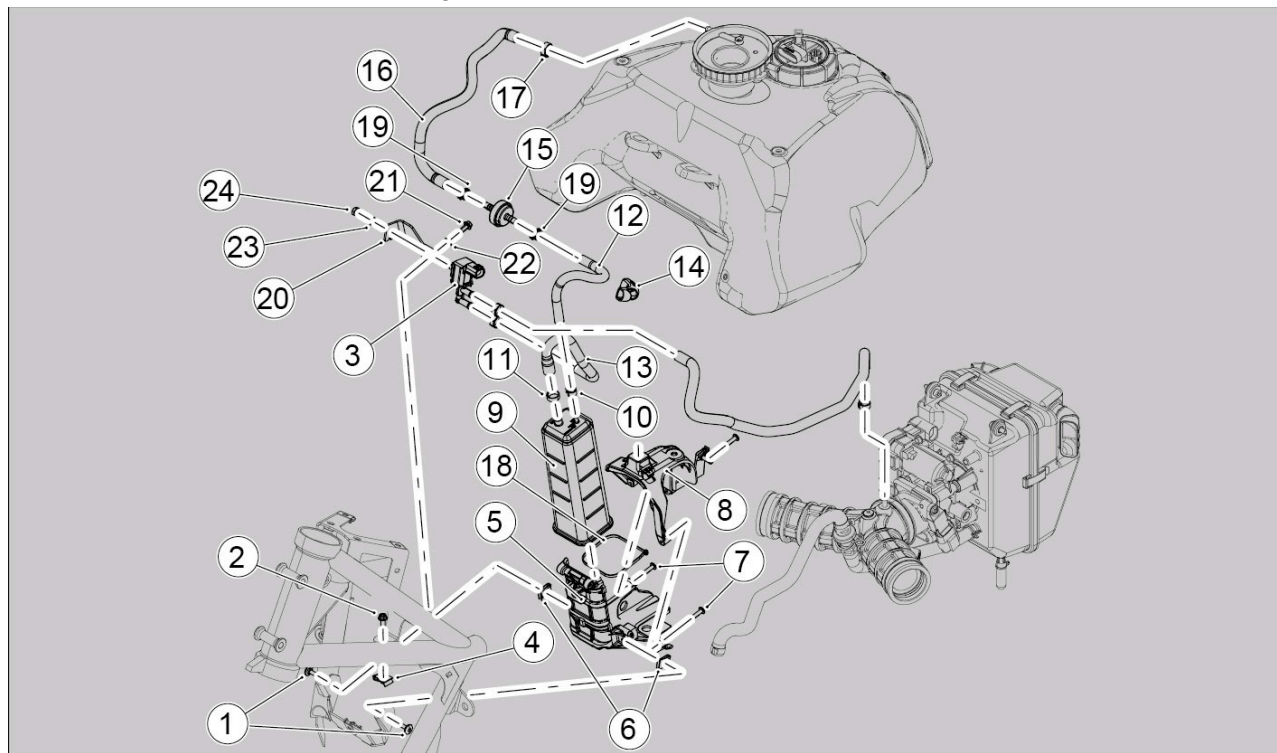


Plate 16



Evaporative emission control system

1 General mandatory requirements



Key:

- 1 . TBEI flanged screw M5x12
- 2 . M6x16 Flanged hex cap screw
- 3 . Solenoid valve

- 4 . Elastic plate M6
- 5 . Support bracket
- 6 . Clip M5
- 7 . Cross-head flanged SWP screw. M5x20
- 8 . Upper bracket
- 9 . Canister

- 10 . Pipe clamp
- 11 . Snap-on clamp diam.15,5x6,6
- 12 . Pipe canister / Valve
- 13 . Turbo Purge valve - Canister
- 14 . Tube guide
- 15 . Safety valve

- 16 .Pipe
- 17 .White snap-on clamp diam.13x6
- 18 .Clamp 3,6x375
- 19 .Pipe clamp
- 20 .Support bracket Purge Valve
- 21 .Flanged hexagon head screw M6x12
- 22 .Washer 6,4x12
- 23 .Curved spring washer *
- 24 .M6 nut

EMISSION CONTROL SYSTEM WARRANTY STATEMENT - WARRANTY RIGHTS AND OBLIGATIONS

Model Year 2026

The United States Environmental Protection Agency, the California Air Resources Board and **Moto Guzzi Division of Piaggio & C. S.p.A.** (hereinafter **Moto Guzzi**) are pleased to explain the emission control system warranty on your motorcycle. In California, new motor vehicles must be designed, built and equipped to meet the stringent anti-smog standards issued by the State. **Moto Guzzi** must warrant the emission control system on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your motorcycle.

Your emission control system may include parts such as the carburettor or fuel injection system, the ignition system, catalytic converter and engine computer. Also

included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, **Moto Guzzi** will repair your motorcycle at no cost to you, including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

Class I-A motorcycles (0-49 cc): for a period of use of five (5) years or 6,000 kilometers (3,750 miles), whichever first occurs.

Class I-B motorcycles (50-169 cc): for a period of use of five (5) years or 12,000 kilometers (7,456 miles), whichever first occurs.

Class II motorcycles (170-279 cc): for a period of use of five (5) years or 18,000 kilometers (11,185 miles), whichever first occurs.

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

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

Moto Guzzi - Limited Warranty on Emission Control System

Moto Guzzi warrants that each new motorcycle, that includes as standard

equipment a headlight, taillight and stoplight, and is street legal:

A. is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the United States Environmental Protection Agency, and the California Air Resources Board; and

B. is free from defects in materials and workmanship which cause such motorcycle to fail to conform with applicable regulations of the United States Environmental Protection Agency or the California Air Resources Board for a period of use, depending on the engine displacement, 6,000 kilometers (3,750 miles), if the motorcycle's engine displacement is less than 50 cubic centimeters, of 12,000 kilometers (7,456 miles), if the motorcycle's engine displacement is equal to or greater than 50 cubic centimeters but less than 170 cubic centimeters; of 18,000 kilometers (11,185 miles), if the motorcycle's engine displacement is equal to or greater than 170 cubic centimeters but less than 280 cubic centimeters; or of 30,000 kilometers (18,641 miles), if the motorcycle's engine displacement is 280 cubic centimeters or greater; or 5 (five) years from the date of initial retail delivery, whichever first occurs.

OWNER'S WARRANTY RESPONSIBILITIES

- As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your owner's

manual. **Moto Guzzi** recommends that you retain all receipts covering maintenance on your motorcycle, but Moto Guzzi cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

- You are responsible for presenting your motorcycle to a **Moto Guzzi** dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

- As the motorcycle owner, you should be aware that Moto Guzzi may deny your warranty coverage if your motorcycle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact **Piaggio Group Americas, Inc.**, 860 Washington Street, 9th Floor, New York, NY 10014 (phone: (212) 380 4400) (email: customercare@us.piaggio.com), or the **U.S. Environmental Protection Agency**, 2000 Traverwood Ann Arbor, MI 48105, or the **California Air Resources Board**, 4001 Iowa Avenue, Riverside, CA 92507.

I - COVERAGE

Warranty defects shall be remedied during customary business hours at any authorized **Moto Guzzi** motorcycle dealer located within the United States of America in compliance with the Clean Air Act and

applicable regulations of the United States Environmental Protection Agency and the California Air Resources Board. Any part or parts replaced under this warranty shall become the property of **Moto Guzzi**.

In the State of California only, emission related warranted parts are explicitly defined by the state's Emissions Warranty Parts List. These warranted parts are: carburetor and internal parts; intake manifold; fuel tank; fuel injection system; spark advance mechanism; crankcase breather; air cutoff valves; fuel tank cap for evaporative emission controlled vehicles; oil filler cap; pressure control valve; fuel/vapor separator; canister; igniters; breaker governors; ignition coils; ignition wires; ignition points; condensers, and spark plugs if failure occurs prior to the first scheduled replacement; and hoses, clamps, fittings and tubing used directly in these parts. Since emission related parts may vary from model to model, certain models may not contain all of these parts and certain models may contain functionally equivalent parts.

In the state of California only, emergency repairs to the Emission Control System, as provided in the applicable state Administrative Code, may be performed by NON-authorised **Aprilia** dealers. An emergency situation exists when an **Aprilia** dealer is not reasonably available, a part is not available within 30 days, or a repair is not completed within 30 days. Any replacement part can be used in an emergency repair. **Moto Guzzi** will

reimburse the owner for the expenses, including diagnosis, not to exceed **Moto Guzzi's** suggested retail price for all warranted parts replaced and labor charges based on **Moto Guzzi's** recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. The owner may be required to keep receipts and failed parts in order to receive compensation.

II - LIMITATIONS

This Emission Control System warranty shall **NOT** cover any of the following:

A) Repair or replacement required as a result of

- 1 . accident,
- 2 . misuse,
- 3 . repairs improperly performed or replacements improperly installed,
- 4 . use of replacement parts or accessories not conforming to **Moto Guzzi** specifications which adversely affect performance, and/or
- 5 . use in competitive racing or related events.

B) Inspections, replacement of parts and other services and adjustments required for maintenance.

C) Any motorcycle on which the odometer mileage has been changed so that actual mileage cannot be readily determined.

III - LIMITED LIABILITY

A. The liability of **Moto Guzzi** under this Emission Control System Warranty is limited solely to the remedying of defects in material or workmanship by an authorized **Moto Guzzi** motorcycle dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the motorcycle or transportation of the motorcycle to or from the **Moto Guzzi** dealer.

Moto Guzzi SHALL NOT BE LIABLE FOR ANY OTHER EXPENSES, LOSS OR DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY ARISING IN CONNECTION WITH THE SALE OR USE OF OR INABILITY TO USE THE **Moto Guzzi** MOTORCYCLE FOR ANY PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

B. NO EXPRESS EMISSION CONTROL SYSTEM WARRANTY IS GIVEN BY **Moto Guzzi** EXCEPT AS EXPLICITLY SET FORTH HEREIN. ANY EMISSION CONTROL SYSTEM WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE EXPRESS EMISSION CONTROL SYSTEM WARRANTY TERMS STATED IN THIS WARRANTY. THE FOREGOING

STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

C. No dealer is authorized to modify this **Moto Guzzi** Limited Emission Control System Warranty.

D. **Moto Guzzi** shall be liable for damages to other vehicle components proximately caused by a failure under warranty of any warranted part.

E. Any add-on or modified part exempted by the Air Resources Board from the prohibitions of Vehicle Code section 27156 may be used on a vehicle or engine. Such use, in and of itself, shall not be grounds for disallowing a warranty claim made in accordance with this article. **Moto Guzzi** shall not be liable under this article to warrant failures of warranted parts caused by the use of an add-on or modified part.

F. Except as provided in subsection (1) above, any adjustment of a component which as a factory installed, and properly operating, adjustment limiting device (such as an idle limiter cap) is eligible for warranty coverage under subsection (d) or (i).

IV - LEGAL RIGHTS

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO

HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

V - THIS WARRANTY IS IN ADDITION TO THE LIMITED WARRANTY

THIS WARRANTY IS IN ADDITION TO THE **Moto Guzzi** LIMITED MOTORCYCLE WARRANTY.

VI-ADDITIONAL INFORMATION

Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, **Moto Guzzi** is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual.

The warranty period begins on the date the motorcycle is delivered to an ultimate purchaser.

Piaggio & C. S.p.A.

Viale Rinaldo Piaggio, 25

56025 Pontedera (PI) Italy

Telephone: 0039-0587-272111

Fax: 0039-0587-272040

Piaggio Group Americas, Inc.

860 Washington Street, 9th Floor

New York, NY 10014

U.S.A.

Phone: (212) 380 4400

Fax: 310-604-3989

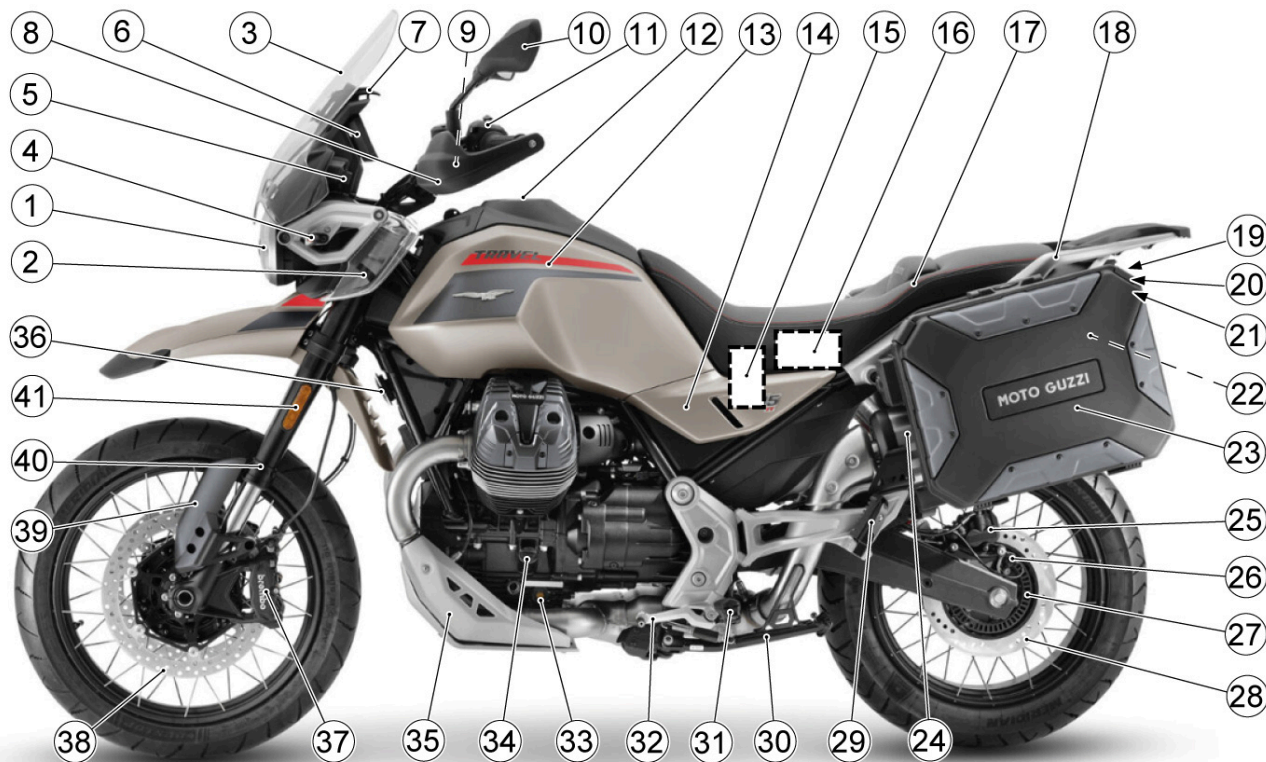
email: customercare@us.piaggio.com

V85TT - V85TT Travel - V85TT Strada



CHAPTER 02 Vehicle

Main components distribution





Key for location of main components

- 1 . Headlamp
- 2 . Left deflector(where applicable)

- 3 . Adjustable windshield
- 4 . Front left turn indicator
- 5 . USB port
- 6 . Instrument cluster

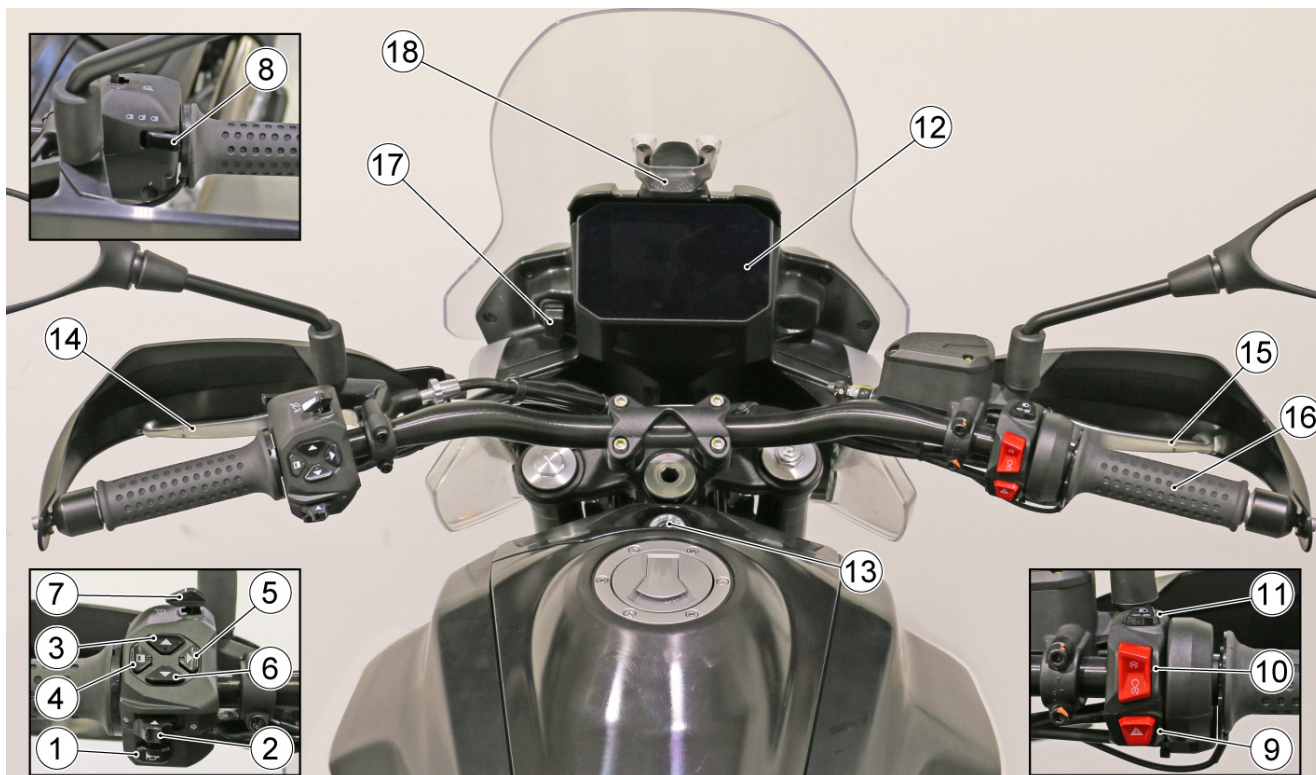
- 7 . Windshield adjustment lever
- 8 . Left hand guard
- 9 . Clutch lever
- 10 .Left rear-view mirror

- 11 . Left light switch
- 12 . Fuel tank cap
- 13 . Fuel tank
- 14 . Left side fairing
- 15 . Air filter
- 16 . Battery
- 17 . Two-seater saddle
- 18 . Passenger handle / accessory support frame **(where applicable)**
- 19 . Rear light
- 20 . Seat lock
- 21 . Number plate light
- 22 . Rear left turn indicator
- 23 . Left case **(where applicable)**
- 24 . Silencer
- 25 . Rear brake calliper
- 26 . Rear tone wheel sensor
- 27 . Rear tone wheel
- 28 . Rear brake disc
- 29 . Passenger left footrest

Instrument cluster

- 30 . Side stand
- 31 . Left rider footrest
- 32 . Gear shift lever
- 33 . Engine oil level inspection port
- 34 . Engine oil load cap
- 35 . Oil carter protector
- 36 . Horn
- 37 . Front left brake calliper
- 38 . Left hand front brake disc
- 39 . Left stem holder / low front mudguard (V85 TT Strada)
- 40 . Left fork stem
- 41 . Left hand reflector
- 42 . Front mudguard
- 43 . Front right turn indicator
- 44 . Right deflector **(where applicable)**
- 45 . Right side fairing
- 46 . Throttle control
- 47 . Right light switch
- 48 . Right rear-view mirror

- 49 . Front brake lever
- 50 . Right hand guard
- 51 . Rear right turn indicator
- 52 . Right hand reflector
- 53 . Right fork stem (adjustable)
- 54 . Right stem holder / low front mudguard (V85 TT Strada)
- 55 . Front tone wheel
- 56 . Front tone wheel sensor
- 57 . Front right brake calliper
- 58 . Right hand front brake disc
- 59 . Rear brake oil tank
- 60 . Rear brake lever
- 61 . Right rider footrest
- 62 . Rear shock absorber (adjustable)
- 63 . Right passenger footrest
- 64 . Right case **(where applicable)**
- 65 . Main fuse
- 66 . Secondary fuses



Instrument cluster - Key

- | | | |
|-----------------------------|--|--|
| 1 . Audible warning device; | 5 . Right button (MODE RIGHT); | 9 . "HAZARD" warning light activation switch |
| 2 . Turn indicator control; | 6 . Down button (MODE DOWN); | 10 . Engine start / stop switch; |
| 3 . Up button (MODE UP); | 7 . Cruise control selector; | 11 . Daytime running lights (DRL) / night lights / additional headlights switch (if applicable); |
| 4 . Set button (MODE SET); | 8 . Low beam / high beam / flash high beam switch; | |

- 12 .Instrument panel and indicators;
- 13 .Ignition switch / steering lock;
- 14 .Clutch lever;
- 15 .Front brake lever;
- 16 .Throttle grip;
- 17 .USB port;
- 18 .Windshield adjustment lever.

Digital instrument panel

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

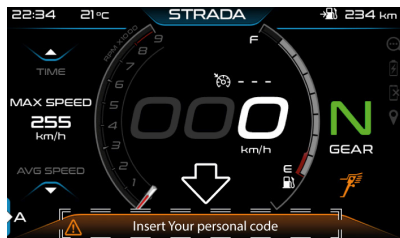
set to ON, the instrument cluster requests a personal five-digit code to be entered.

See the chapter "**Advanced functions**" for instructions on modifying the personal code

In case of code entry request, a box with variable values from 0 to 9 will be shown on the display using the MODE navigation buttons. Confirm the selection with a short press of the MODE SET button until completing the five digits; once all digits are entered, complete the operation by turning the ignition key to the OFF position.

It is important to remember the personal code because:

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



N.B.:



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

N.B.:



THE FACTORY SET CODE IS COMPOSED OF FIVE ZEROES.

Indicator light unit

Key:

- 1 . MI warning light, orange;
- 2 . High beam indicator lamp, blue;
- 3 . Cruise control indicator lamp, green;
- 4 . ABS indicator light, orange;
- 5 . Left turn indicator warning light, green;
- 6 . Right turn indicator warning light, green;
- 7 . MGCT warning light, orange;
- 8 . DRL indicator lamp, green;
- 9 . Low fuel indicator light, orange;
- 10 .Neutral indicator light, green;
- 11 .Immobilizer / over-revs indicator lamp, red.



Digital display

N.B.:



THE INSTRUMENT CLUSTER IS
EQUIPPED WITH A TWILIGHT SENSOR

THANKS TO WHICH, BASED ON THE
AMBIENT LIGHTING, CAN SWITCH
FROM DAY TO NIGHT MODE.

IF THE "HEADLAMP MODE"
FUNCTION (SEE SECTION
"ADVANCED FUNCTIONS") IS SET
TO THE "AUTO" STATUS, THE
TWILIGHT SENSOR WILL SWITCH THE
HEADLIGHT FROM D.R.L. TO LOW
BEAM AND VICE-VERSA.

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

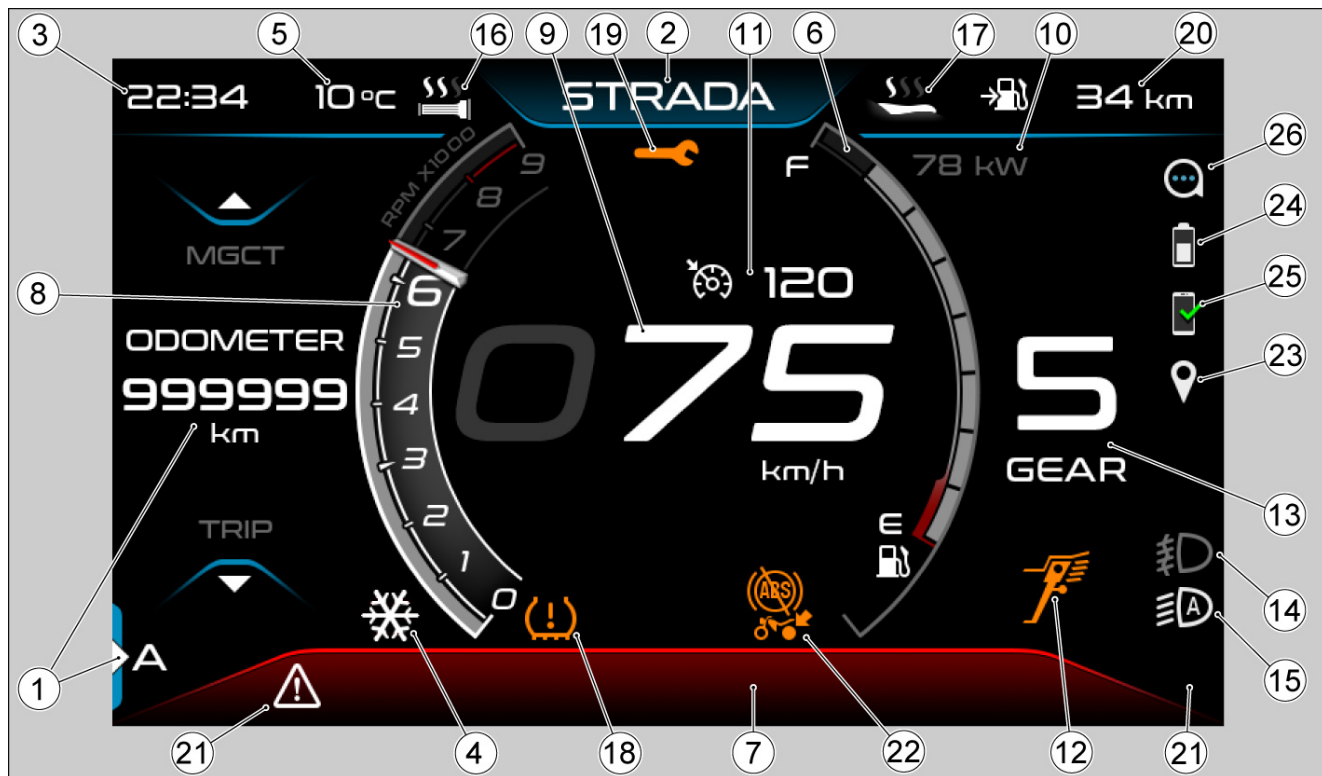
If the **GUZZI MIA** ECU is present, pressing and holding the "MODE RIGHT" button accesses navigation mode.

Pressing and holding the button changes the digital display mode from **ROAD** to **NAVI**, and then to **MENU**.

Pressing and holding the MODE RIGHT button again scrolls through the "modes" available.



The following information is displayed in **ROAD** mode:



ROAD screen legend

1) On-board computer log (TRIP LOG A / TRIP LOG B).

(Where the Guzzi Mia control unit is present: telephone, music, media player.

(Where the components are present): tyre pressure, heated handgrips, heated seat;

2) Riding mode active;

3) Clock (displayed in 24 or 12 hour mode, without the AM / PM indication);

4) Ice hazard icon (displayed at temperatures from -15 °C (5 °F) a +3 °C (37.4 °F)) / Battery warning indicator (voltage between poles too low) (both visible when alert conditions arise);

5) Ambient temperature (shown in °C or °F);

- 6) Fuel gauge;
- 7) Information pop-up area;
- 8) Engine speed (rpm x 1000);
- 9) Speed (speedometer) (displayed in km/h or in mph);
- 10) Reduced map indication (if applicable);
- 11) Cruise control speed (when the system is active, indicates the set cruise speed);
- 12) Open side stand indicator;
- 13) Gear selected;
- 14) Fog lights active (if applicable);
- 15) Automatic lights mode active;
- 16) Hand grip heating level indicator (displayed if applicable);
- 17) Seat heating level indicator (displayed if applicable);
- 18) Low tyre pressure alarm (displayed where applicable);
- 19) Service icon;
- 20) Remaining range (can be displayed in km or mi);
- 21) General warning icon;
- 22) Icon indicating that ABS system is effective on front wheel only / ABS system disabled (only in the "OFF-ROAD" riding mode);

Where the Guzzi Mia control unit is present:

- 23) GPS/Navigator (where active);
- 24) Battery level of the associated smartphone
- 25) Smartphone associated with the dashboard;
- 26) Data transmission with smartphone.

Warnings

MAINTENANCE MESSAGE

When the maintenance time thresholds are exceeded, the icon depicting a wrench will appear, indicating the need to carry out scheduled maintenance on the vehicle.

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



ICE HAZARD WARNING

At external temperatures between -15 °C (5 °F) and 3° C (37.4 °F), the ice hazard symbol appears on the display.



LOW BATTERY WARNING

The lighting of the battery symbol indicates a problem in the battery charging system.



ALERT SIDE STAND DOWN

When the side stand down light comes on, this indicates that the side stand is open. This results in the engine being switched off immediately, should it be started, to ensure the safety of passengers. If the engine is to be started, the gear must be in neutral if the light is on.



ABS OFF

When this light comes on, it indicates that the ABS system has been deactivated by the user. Two levels of ABS deactivation can be selected:

ABS only active on the front wheel (the rear wheel will be without ABS control)



ABS deactivated (both wheels will be without ABS control).



For more information on the ABS system and its activation/deactivation, please refer to the section entitled "ELECTRONIC VEHICLE CONTROLS".

ALERT TYRE PRESSURE

(if applicable)

When the TPMS (Tire Pressure Measurement System) warning light comes on, it indicates a tyre pressure fault. It is possible to view tyre pressure values, both front and rear, on the dedicated page of the logbook.

For more information, please refer to the section "TYRES".



N.B.:



WITH EACH KEY "ON", THE TPMS ICON WILL FLASH UNTIL THE SYSTEM DETECTS A VALID SIGNAL FROM BOTH SENSORS. THE FLASHING CAN LAST UP TO THREE MINUTES.

FUEL LEVEL

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

When only the first bar remains on, it will change colour to red, and the corresponding symbol on the digital display will change colour to orange. At the same time, the dedicated indicator light on the instrument panel comes on.



WARNING



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

IF THE FUEL SENSORS DO NOT WORK CORRECTLY, THE BARS MAY NOT BE DISPLAYED CORRECTLY. THEREFORE CONTACT AN Official Moto Guzzi Dealer.

N.B.:



THE FUEL LEVEL INDICATION MAY CHANGE DEPENDING ON THE INCLINATION OF THE MOTORCYCLE, WHEN IT'S POSITIONED ON THE SIDE STAND OR ON LONG UPHILL OR DOWNHILL STRETCHES.

FUEL RANGE

Indicates the remaining range that can be covered with the petrol in the tank (displayed in km or mi).

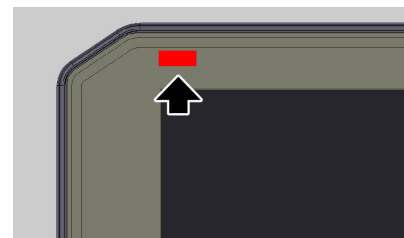


When the vehicle goes into reserve, the remaining range disappears, two dashes (- -) will be displayed in its place, and "TRIP FUEL" will appear in the trip log, which counts the distance travelled in reserve. This value is reset every time the gasoline level in the tank exceeds the reserve threshold.



IMMOBILIZER

With the key in the "KEY OFF" position, the immobilizer indicator light flashes to indicate the activation of the system. To reduce battery consumption the light stops flashing after about 48 hours.



Alarms

In the event of a fault, the Pop-up area of the digital display will turn red and a different message will be displayed depending on the cause.

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

SERVICE ALARM

If there is a fault on the instrument panel or from the ECU, the instrument panel signals the fault by displaying the message "ALARM SERVICE" along with the general alarm icon.

If there is an immobilizer failure at ignition, the instrument cluster requests you to enter a user code. If the code is entered correctly, the dashboard signals the failure by displaying the message "ALARM SERVICE" along with the general alarm icon.



URGENT SERVICE ALARM

The serious anomaly is signalled by the flashing of the message "URGENT SERVICE" accompanied by the general alarm icon in the Pop-up area which will turn red. Take your vehicle to 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.



N.B.:



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

Oil failure

In the event that an oil pressure anomaly is detected, the digital display will show the message "ALARM OIL PRESSURE" accompanied by the general alarm icon, all flashing in the Pop-up area which will turn red.



WARNING



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

In the event that an oil pressure sensor anomaly is detected, the digital display will show the message "ALARM OIL SENSOR" accompanied by the fixed general alarm icon, in the Pop-up area which will turn red.



WARNING



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

MGCT disabled alarm

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



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.



WARNING



THE DISPLAY WILL SHOW THE ALARM MESSAGE, ACCOMPANIED BY THE GENERAL WARNING LIGHT, IN THE POP-UP AREA WHICH WILL TURN RED.

WARNING



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

Electronic control unit disconnected alarm

If a lack of connection of the E.C.U. is detected, the instrument panel will signal the anomaly by displaying the message "ALARM CAN ECU DISCONNECTED" accompanied by the general alarm warning light in the Pop-up area which will turn red.



N.B.:



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.

"CAN BUS OFF" electronic control unit disconnected alarm

If a lack of connection with the CAN line is detected, the display will show the alarm message "ALARM CAN BUS OFF" accompanied by the general warning icon the Pop-up area which will turn red.



WARNING



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

Headlamp disconnected alarm "CAN HLU"

If a lack of connection between the instrument panel and the headlight is detected, the display will show the alarm message "ALARM CAN HLU" accompanied by the general warning icon the Pop-up area which will turn red.



N.B.:



THE FRONT TURN INDICATORS ALSO FLASH WHILE THE ERROR "ALARM CAN HLU" IS ACTIVE ON THE DIGITAL DISPLAY.

WARNING



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

Brakes stuck alarm

In the event that constant pressure is maintained for more than 30 seconds, on at least one of the brake levers, with the vehicle moving at a speed equal to or greater than 10 Km/h (6 mph):

the display will show the alarm message "WARNING BRAKE STUCK" accompanied by the general warning icon and the Pop-up area will turn orange.



If the pressure is maintained for more than 60 seconds, with the vehicle moving at a speed equal to or greater than 10 Km/h (6 mph):

the display will show the alarm message "ALARM BRAKE STUCK" accompanied by the general warning icon and the Pop-up area will turn red.



CAUTION



IF THE ALARM MESSAGE DOES NOT DISAPPEAR WHEN RELEASING THE BRAKE LEVERS, STOP THE VEHICLE AND CONTACT AN Official Moto Guzzi Dealer FOR DIAGNOSIS AND TROUBLESHOOTING OF THE BRAKE SYSTEM.

Vehicle configuration alarm

In the event that the vehicle's ECU loses its configuration data, the dashboard will display the "Vehicle not configured" alarm to indicate that it needs to be reconfigured by an Official **Moto Guzzi** Dealer.



TPMS ontrol unit disconnected alarm

If the vehicle is no longer receiving signals from the TPMS (Tire Pressure Management System) control unit, the dashboard will display the alarm "Alarm CAN TPMS disconnected". No tyre status information will be displayed until the fault is resolved and communication between the vehicle

control unit and the TPMS control unit is restored.



TPMS control unit configuration alarm

The "Alarm TPMS not configured" indicates that the TPMS control unit must be configured by an Official **Moto Guzzi** Dealer in order to communicate with the vehicle's control unit. As long as this error is present, it will not be possible to display information regarding the state of the tyres.



mapping selection

The engine control unit has 5 different selectable "riding modes" for managing the

vehicle, displayed as follows in the upper central part of the digital display:

- **SPORT**
- **ROAD**
- **RAIN**
- **CUSTOM** (where available)
- **OFF-ROAD** (where available)



The **SPORT** mode is designed for a more dynamic use of the vehicle. The throttle response is rapid, engine braking and traction control are minimally invasive.

The **ROAD** mode is designed for urban use. Engine response is less aggressive and engine braking is more invasive than in SPORT mode, while traction control is set to the intermediate level.

The **RAIN** mode is intended for use on surfaces with poor traction. The engine response is mild, the engine brake is efficient and the traction control is set to the maximum level.

The **CUSTOM** mode was created to allow the user to customise the vehicle's handling parameters in order to adapt the motorbike's

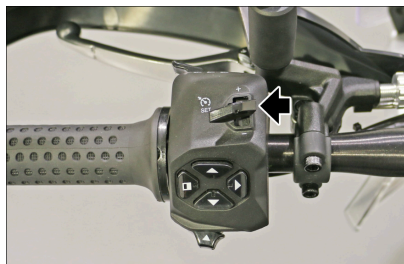
characteristics to the individual riding style. The standard settings for this riding mode are the same as for "SPORT", but with the difference that here they can be modified as desired.

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

All the "riding modes" listed above can be selected by the user in two different modes:

1).

On the Riding Mode screen of the digital display, **with the Cruise Control deactivated**, pressing the relevant button on the left-hand light switch allows to scroll through the various riding modes available.



Once the desired riding mode is reached, stop to confirm the selection.



N.B.:



DIFFERENT RIDING MODES MAY ALSO BE SELECTED ON THE FLY WHILE THE VEHICLE IS MOVING, PROVIDED THAT THE THROTTLE GRIP IS 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. IN THIS CASE THE ICON AND THE NAME OF THE RIDING MODE WILL FLASH.

N.B.:



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.

N.B.:



IF THE REQUESTED RIDING MODE CONTINUES TO BE DISPLAYED IN FLASHING MODE, THIS MEANS THAT NOT ALL THE CONDITIONS NECESSARY FOR IMPLEMENTATION OF A NEW MODE ARE MET, E.G.: THROTTLE OPEN, CLUTCH LEVER IN USE ETC.

2.) (where available)

From the main display screen, long press the 'MODE RIGHT' button to access the LAUNCHER MENU. Once in the menu, navigate to the 'Riding Mode' item using the 'MODE UP' or 'MODE DOWN' buttons, then

briefly press the 'MODE RIGHT' button to access the page.

(for more information on the LAUNCHER MENU, see section "Advanced Functions").



Once entered the page, the setting screen for the various Riding modes will be displayed.

Using the "MODE UP" or "MODE DOWN" buttons, the desired parameter may be selected and by briefly pressing the "MODE RIGHT" button, the intervention value can be increased.

Once the maximum level is reached, the setting will restart from the minimum intervention value.

After setting the parameters as desired, press "MODE SET" briefly to exit the screen.

Press and hold "MODE SET" to restore the factory settings (RESET).

Please refer to the section "Electronic controls of the vehicle" below for the setting values of the various parameters.

	CUSTOM	SPORT	STRADA	PIOGGIA	OFF-ROAD
MGCM	1	2	1	2	3
MGCT	2	1	OFF	3	3
ABS	1	1	2	1	OFF
MODIFY ▸ MOVE ▴ RESET ■ EXIT ◀					

Electronic controls of the vehicle

The vehicle is equipped with an advanced integrated electronic control system that helps improving the performance and the rider's safety.

The system consists of:

ABS: Anti-Lock Braking System;

MGCM: Moto Guzzi Engine Control;

MGCT: Moto Guzzi Traction Control;

TPMS: Tire Pressure Measurement System (where required) - (see "Tires" section).

ABS

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

The ABS system allows for improved vehicle control, taking into consideration that the physical limits of vehicle grip on the road never have to be exceeded. The

rider is entirely responsible for riding at an appropriate speed in relation to the weather and road conditions and allowing an adequate margin of safety.

ABS cannot compensate for errors in judgement or improper use of the brakes in various situations. It is the driver's responsibility to drive at appropriate speeds taking into account weather conditions and the road surface, leaving the necessary safety margin.

V85 TT and V85 TT Travel are equipped with the CORNERING ABS system. ABS with CORNERING is a system that prevents the wheels from locking in the event of emergency braking, even during cornering, further increasing the stability of the vehicle when braking compared to a conventional ABS system.

The CORNERING mode takes into account the motorcycle's lean angle, so as to maximise efficiency without endangering the rider.

In all Riding modes the ABS can be set to values 1 (minimum intervention), 2 (maximum intervention) or OFF (ABS system deactivated) only in OFF ROAD mode, by entering the appropriate riding mode setting screen (see section 'ADVANCED FUNCTIONS').

At level "1", ABS is only active on the front wheel, and is therefore suitable for use by experienced users in low-grip conditions. Once set, the pop-up area will turn orange, the words "Rear ABS off" will appear and

the corresponding icon will be displayed, indicating the absence of ABS control on the rear wheel.

After 30 sec. the information pop-up will disappear and only the icon will remain lit.



At level "2" the ABS is active on both wheels and is therefore suitable, and recommended, for everyday vehicle use in all conditions, such as: urban, extra-urban, in wet conditions.

The "OFF" level can **only** be selected in the **OFF-ROAD riding mode (where available)**. In this level the ABS is deactivated on both wheels; once deactivated, the pop-up area will turn orange, "ABS off" will appear and the corresponding icon will be displayed, indicating the absence of ABS control on both wheels.

After 30 sec. the information pop-up will disappear and only the icon will remain lit.



CAUTION



ABS LEVELS 0 (OFF) AND 1 MUST BE USED BY EXPERIENCED USERS, STRICTLY ON UNPAVED ROADS.

CAUTION



BEFORE RIDING OFF, CHECK THE ABS LEVEL OF CONTROL SELECTED. IF THE ABS HAS BEEN DEACTIVATED, SWITCHING OFF THE VEHICLE DOES NOT REACTIVATE IT, THE NEXT TIME THE KEY IS TURNED ON, THE SYSTEM WILL STILL BE DEACTIVATED.

N.B.



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

CAUTION



THE ANTILOCK BRAKE SYSTEM DOES NOT ELIMINATE THE DANGER OF FALLING WHILE TURNING.

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 RIDE WITHOUT THE DUE ATTENTION; ROAD HOLDING IS SUBJECT TO CERTAIN LAWS OF PHYSICS WHICH NOT EVEN AN ABS SYSTEM CAN ELIMINATE.

When the vehicle is started, after the initial instrument panel check cycle, the ABS warning lamp flashes until the vehicle reaches a speed of 3.1 mph (5 km/h), after which it goes out.



If the ABS warning lamp lights steadily or continues to flash even after exceeding a speed of 5 km/h (3.1 mph), this means that a fault has been detected and that the ABS system has been disabled.

In this case carry out the following operations:

- stop the vehicle;
- Key OFF-ON;
- ride the vehicle to a speed above 5 km/h (3.1 mph): the ABS warning light must be turned off;
- the ABS system is working.

If the ABS disabled indication remains:

N.B.:



IF THIS OCCURS, CONTACT AN OFFICIAL Moto Guzzi dealer.

CAUTION



IF THE ABS WARNING LIGHT FLASHES MORE FREQUENTLY THAN THAT OF THE INITIAL CHECK, IT MEANS THAT THERE IS A PROBLEM WITH THE IMU INERTIAL PLATFORM, WHICH WILL NOT PROVIDE INFORMATION TO THE VEHICLE CONTROL SYSTEMS.

IN THIS CASE THE MGCT AND ABS CORNERING CONTROL IS DEACTIVATED, THEREFORE RIDING THE VEHICLE WILL BE EXTREMELY DANGEROUS. DRIVE WITH THE MAXIMUM CAUTION AND CONTACT AN official Moto Guzzi dealer.

N.B.:



IN THE EVENT OF A PROLONGED ROTATION OF THE REAR WHEEL WITH THE FRONT WHEEL LOCKED (BURNOUT, MOTORCYCLE PLACED ON THE CENTRAL STAND, ETC.) THE SYSTEM CAN BE AUTOMATICALLY DEACTIVATED WHEN THE ABS AND THE MGCT AND ABS INDICATORS ARE SWITCHED ON STEADY. TO

REACTIVATE, TURN THE IGNITION SWITCH OFF AND THEN ON AGAIN AND SELECT THE REQUIRED SETTING.

CAUTION



THE ADDITIONAL SAFETY PROVIDED BY THE ABS SYSTEM DOES NOT IN ANY WAY JUSTIFY RISKY MANEUVERS. DESPITE THE FACT THAT GREATER VEHICLE CONTROL IS ENSURED IN CASE OF EMERGENCY BRAKING, A SAFE DISTANCE FROM OTHER VEHICLES MUST ALWAYS BE KEPT.

CAUTION



THE ABS SYSTEM USES SIGNALS RECEIVED FROM THE TWO TONE WHEELS (FRONT AND REAR) TO CONTROL THE PRESSURE APPLIED TO BOTH BRAKES. IT IS IMPORTANT TO ALWAYS CHECK THAT THE TONE WHEEL IS IN PERFECT CONDITION, AND PERIODICALLY CHECK THAT THE DISTANCE FROM THE SENSOR IS CONSTANT OVER THE ENTIRE 360 DEGREES.

WHEN REMOVING AND REFITTING THE FRONT WHEEL, IT IS VERY IMPORTANT TO ENSURE THAT THE GAP BETWEEN THE TONE WHEEL AND THE SENSOR AND THE PARALLEL ALIGNMENT BETWEEN THE TWO COMPONENTS ARE AS SPECIFIED. FOR CHECKING AND ADJUSTMENT, CONTACT AN Authorised Moto Guzzi Garage.

CAUTION



WHERE THE MOTORCYCLE HAS AN ABS SYSTEM, NON-APPROVED BRAKE PADS AND TYRES COMPROMISE SMOOTH BRAKING, DRASTICALLY REDUCING DRIVING SAFETY.

N.B.:



HAVING A SIGNIFICANT ACCURACY OF READING THE TONE WHEELS, THE SYSTEM'S SENSORS MAY GENERATE AN INDICATION OF SPEED OF SOME km/h (mi) ON THE DIGITAL DISPLAY WHEN THE MOTORCYCLE IS STOPPED AND THE ENGINE IS RUNNING.

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

MGCM - Moto Guzzi Engine Control

is the system that controls and manages the engine's power delivery:

- Level 1 has an aggressive delivery and is suitable for performance use and expert riders.
- Level 3 has a gentle and progressive delivery of power and is recommended for use in poor grip / wet conditions. The vehicle is more easily handled.

MGCT - Moto Guzzi Traction Control

The traction control is a system developed to control the relative skidding of the wheels and help the rider to have greater control and safety of the vehicle.

V85 TT and V85 TT Travel are equipped with the MGCT CORNERING system. The MGCT CORNERING system also intervenes in an optimal manner during cornering, thus controlling skidding in this stage of the ride.

This is made possible by the inertia sensor platform, which provides the ECU with precise information concerning the inclination of the motorcycle.

MGCT SYSTEM DEACTIVATED MANUALLY

At key-on and after the initial dashboard check cycle, if the system was deactivated at the previous use the deactivation remains and the MGCT indicator light remains lit and fixed until the rider activates the system again.

MGCT SYSTEM ACTIVE

At key-on and after the initial instrument cluster check cycle, the MGCT indicator light flashes slowly if the system has remained active since the previous use. The light will turn off once 3.1 mph (5 km/h) is exceeded.

The system is normally active, but in case it has been deactivated, to reactivate it, it is necessary to access the "Riding Mode" screen of the User Menu, for all riding modes.

To reactivate the system, set it to a level above 0 (OFF) using the MODE buttons.



If the MGCT system is activated when the vehicle is stationary, the relative indicator light will flash until 3.1 mph (5 km/h) is reached.

If the "Set riding mode" page is present, within the "Riding Mode" screen, it is possible to set the MGCT level from a value of "0" (OFF) to a value of "3" (maximum intervention) by briefly pressing the MODE UP or MODE DOWN buttons.

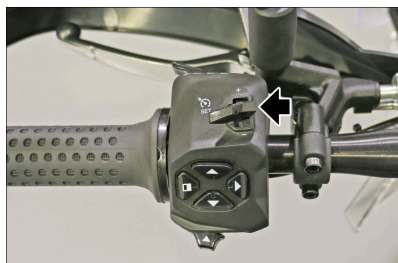
	CUSTOM	SPORT	STRADA	PIOGGIA	OFF-ROAD
MGSCM	1	1	1	2	1
MGCT	2	2	OFF	3	1
ABS	2	1	2	1	OFF
MODIFY ▶ MOVE ◀ RESET ■ EXIT ◀					

Whether the vehicle is stationary or in motion, using the MGCT/Cruise control button (if the cruise control is not active) it is possible to modify the control value of the MGCT system directly from the corresponding page of the trip log, in all riding modes

The MGCT value is changed (from 0 (OFF) to 3) with short up or down presses of the control.

From level 1, the MGCT ("OFF") is permanently disabled with a long press downwards.

To reset the MGCT, make a long or short push upwards.



CAUTION



MGCT LEVELS '1' AND 'OFF' ARE NOT TO BE USED WHEN RIDING ON PAVED ROADS.



CAUTION



IF THE MGCT SYSTEM HAS BEEN SET TO LEVEL 1, THE POP-UP AREA WILL TURN ORANGE AND THE WORDS 'MGCT 1' WILL APPEAR. THIS LEVEL PROVIDES MINIMAL INTERVENTION IN TRACTION CONTROL, AND SHOULD THEREFORE BE USED BY EXPERIENCED USERS, STRICTLY ON UNPAVED ROADS.

SUCH A POP-UP DISAPPEARS AFTER 30SECONDS.

To deactivate the system, set the control level to "OFF".

	CUSTOM	SPORT	STRADA	PIOGGIA	OFF-ROAD
MGSCM	1	1	1	2	1
MGCT	2	OFF	OFF	3	1
ABS	2	1	2	1	OFF
MODIFY ▶ MOVE ◀ RESET ■ EXIT ◀					

CAUTION



IF THE MGCT SYSTEM HAS BEEN DEACTIVATED, THE POP-UP AREA WILL TURN ORANGE AND THE WORDS "MGCT OFF" WILL APPEAR, WARNING THE RIDER THAT TRACTION CONTROL HAS

BEEN DEACTIVATED. IN ADDITION TO THE INFO POP-UP, THE MGCT WARNING LIGHT ON THE INSTRUMENT CLUSTER WILL ALSO LIGHT UP.

THIS POP-UP DISAPPEARS AFTER 30 SECONDS WHILE THE WARNING LIGHT WILL REMAIN LIT UNTIL THE SYSTEM IS REACTIVATED.



N.B.:



THIS IS ALSO POSSIBLE WITH THE MOTORCYCLE IN MOTION.

N.B.:



ONCE THE IGNITION SWITCH IS TURNED OFF, AT THE NEXT START UP

THE MGCT SYSTEM MAINTAINS THE PREVIOUSLY SELECTED SETTINGS.

If the MGCT indicator light is on permanently it means that a malfunction was detected and the traction control is automatically deactivated. At the same time as the indicator light comes on, the message "MGCT DISABLED" will be shown in the Pop-up area of the display

In this case carry out the following operations:

- stop the vehicle;
- Key OFF-ON;
- reactivate the system manually
- ride the vehicle to a speed above 5 km/h (3.1 mph): the MGCT indicator light must turn off;
- MGCT is working.

If the MGCT disabled message remains:

N.B.:



IF THIS OCCURS, CONTACT AN OFFICIAL Moto Guzzi dealer.

MGCT system warning light key

- **Indicator light off:** with system activated with vehicle in motion or system activated

after exceeding 5 Km/h (3.1 mph) after key-on;

- **Indicator light continuously lit:** system deactivated deliberately by rider, or deactivated as a result of a malfunction;

- **Indicator light flashing slowly:** with the system active after key-on before exceeding 5 Km/h (3.1 mph) or in the case of certain malfunctions causing MGCT level to be locked ("+" and "-" buttons disabled);

- **Indicator light flashing quickly:** when MGCT system is effectively implementing traction control.



WARNING



THE MGCT SYSTEM ACTS ON THE REAR WHEEL ON THE BASIS OF INFORMATION RECEIVED FROM TONE WHEELS INSTALLED ON BOTH WHEELS. IT IS IMPORTANT TO ALWAYS CHECK THAT THE TONE WHEEL IS IN PERFECT CONDITION,

AND PERIODICALLY CHECK THAT THE DISTANCE FROM THE SENSOR IS CONSTANT OVER THE ENTIRE 360 DEGREES. WHEN REMOVING AND REFITTING THE FRONT WHEEL, IT IS VERY IMPORTANT TO ENSURE THAT THE GAP BETWEEN THE TONE WHEEL AND THE SENSOR AND THE PARALLEL ALIGNMENT BETWEEN THE TWO COMPONENTS ARE AS SPECIFIED. FOR CHECKING AND ADJUSTMENT, CONTACT AN Authorised Moto Guzzi Garage.

N.B.:



IN THE EVENT OF A PROLONGED ROTATION OF THE REAR WHEEL WITH THE FRONT WHEEL LOCKED (BURNOUT, MOTORCYCLE PLACED ON THE CENTRAL STAND, ETC.) THE SYSTEM CAN BE AUTOMATICALLY DEACTIVATED WHEN THE ABS AND THE MGCT AND ABS INDICATORS ARE SWITCHED ON STEADY. TO REACTIVATE, TURN THE IGNITION SWITCH OFF AND THEN ON AGAIN AND SELECT THE REQUIRED SETTING.

N.B.:



HAVING A SIGNIFICANT ACCURACY OF READING THE TONE WHEELS, THE SYSTEM'S SENSORS MAY GENERATE AN INDICATION OF SPEED OF SOME km/h (mi) ON THE DIGITAL DISPLAY WHEN THE MOTORCYCLE IS STOPPED AND THE ENGINE IS RUNNING.

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

FACTORY SETTINGS TABLE

Riding mode	MGCM	MGCT	ABS
SPORT	1	2	2
ROAD	2	2	2
RAIN	3	3	2
CUSTOM	1	2	2
OFF-ROAD	1	1	1 / OFF

MGCM: LEVEL 3 IS TO BE USED IN POOR GRIP, RAIN CONDITIONS.

MGCT: LEVEL 3 IS TO BE USED IN POOR GRIP, RAIN CONDITIONS.

N.B.:



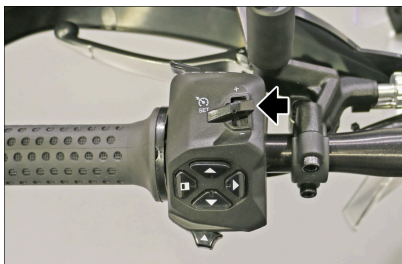
THE TABLE SHOWS THE MAXIMUM INDICATIONS ON THE SETTING LEVELS OF THE VARIOUS CONTROLS. EACH RIDER MAY PERSONALISE THE LEVELS TO THEIR OWN PREFERENCE IN ACCORDANCE WITH ABILITY, RIDING STYLE AND ROAD CONDITIONS.

FOR MORE INFORMATION ON LEVEL SETTINGS, SEE THE RELATIVE SECTIONS FOR EACH INDIVIDUAL FUNCTION.

Control buttons

Using the "Cruise Control" button on the left-hand switch is it possible to:

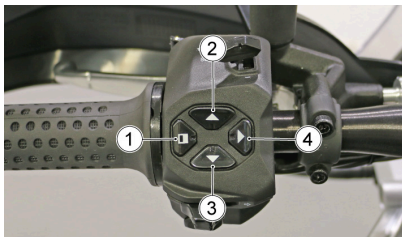
- Increase or decrease the cruise control set speed;
- **WITH CRUISE CONTROL NOT ACTIVE:** from the Riding Mode page of the travel log, change the "riding mode" in use,
- inside the MGCT page of the travel log, change the traction control intervention level.



The control buttons on the left hand light switch may be used to navigate within the different pages of the system, view trip A / B log information and, if the vehicle is equipped with the GMP unit (Guzzi Multimedia Platform), also access phone information and music content.

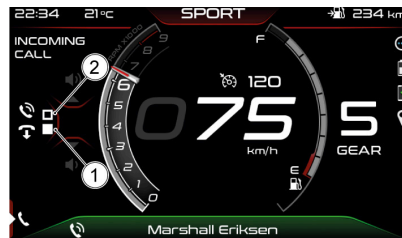
The navigation buttons are as follows:

1. **MODE SET** (select / confirm / press and hold to reset)
2. **MODE UP** (up)
3. **MODE DOWN** (down)
4. **MODE RIGHT** (right)



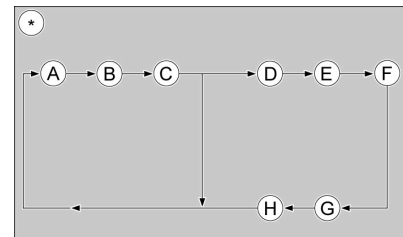
A number of different symbols (such as the examples (1) and (2) shown in the figure) may be displayed in the pop-up space.

- Where shown as a solid shape (1), the symbol indicates that it is necessary to press and hold the relative control for the function described.
- Where shown as an outline only (2), the symbol indicates that it is necessary to press the relative control briefly and release for the function described.



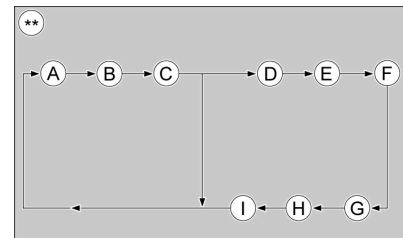
In the driving mode ROAD (*), pressing "MODE RIGHT" button briefly cycles through the following screens:

- A) Trip log A.
- B) Trip log B.
- C) Riding mode
- D) Heated hand grip information (if applicable)
- E) Heated saddle information (if applicable)
- F) Tyre pressure info (if applicable)
- G) Phone information. (if applicable)
- H) Music information. (if applicable)



When in NAVI mode (**), pressing "MODE RIGHT" button briefly cycles through the following pages:

- A) Trip log A.
- B) Trip log B.
- C) Riding mode
- D) Heated hand grip information (if applicable)
- E) Heated saddle information (if applicable)
- F) Tyre pressure info (if applicable)
- G) Phone information. (if applicable)
- H) Music information. (if applicable)
- I) Navigation information. (if applicable)



A) - B) Trip log (displayed in ROAD / NAVI modes)

There are two trip logs available, log A and log B.

Press "MODE UP" or MODE DOWN" button briefly to cycle through the following information on the digital display, in the indicated order:

- ODOMETER.
- TRIP ODOMETER.
- TRIP TIME.
- MAXIMUM SPEED.
- AVERAGE SPEED.
- AVERAGE FUEL CONSUMPTION.
- INSTANTANEOUS FUEL CONSUMPTION.
- DRIVING IN RESERVE (only when the reserve indicator is on).
- MGCT (Moto Guzzi Traction Control)

From any of the following view modes: TRIP ODOMETER, TRIP TIME, MAXIMUM SPEED, AVERAGE SPEED or AVERAGE FUEL CONSUMPTION, press and hold MODE SET to reset all the values logged in the currently active TRIP LOG.



C) Heated grips information (displayed in ROAD / NAVI modes) (if applicable)

This menu provides information about the heated grips including the activation status and the heating intensity.

For further details, see paragraph "Heated grips control".



D) Heated saddle information (displayed in ROAD / NAVI modes only) (where applicable)

In this menu, information about the heated seat can be displayed, including the activation status and heating intensity.

The system automatically recognises the presence of the heated seat.

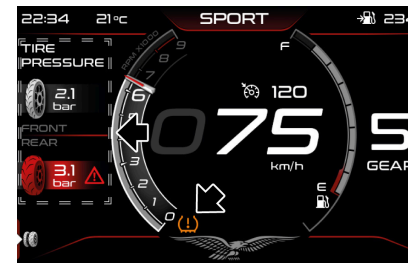
For further details, see paragraph "Heated saddle control".



E) Tyre pressure information (displayed in ROAD and NAVI modes) (where provided)

Select this screen to view information relative to tyre pressure and temperature and possible alarms.

For further details please refer to the section "Tyres".



F) Phone information (where provided)

Information relative to phone calls is displayed in this menu, such as:

- Call in progress.
- Incoming call.
- Outgoing call.
- Call ended.
- Voice control active.
- Call log.



Call handling

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

- associate the smartphone with the "**Guzzi MIA**" system via Bluetooth as described later in section "**VEHICLE / SMARTPHONE PAIRING**";
- install the "**Moto Guzzi**" app on your smartphone and access it (can be performed also from the instrument panel, without using the application);
- allow sharing of the phonebook and notifications when the smartphone is paired with the "**Guzzi MIA**" system.

After successful pairing, the corresponding icons will appear on the digital display.



The following information is shown in the relative area on the digital display:

- call in progress;
- call ended;
- incoming call;
- outgoing call;
- call log.

By briefly pressing the MODE DOWN and MODE UP buttons, it is possible to scroll through the log of all calls (missed calls, calls made, outgoing calls made with no reply). Once the relevant entry has been selected, a long press on the MODE SET button allows the call to be made.

Mode selector functions for call management:

- Accept incoming call: PRESS MODE SET BRIEFLY (1)
- Reject the incoming call : PRESS AND HOLD MODE SET (2)



- End call: PRESS AND HOLD MODE SET (3)
- Turn up the volume (with call in progress): PRESS MODE UP BRIEFLY (4)
- Turn the volume down (with call in progress): PRESS MODE DOWN BRIEFLY (5)



- Interrupt outgoing call: PRESS AND HOLD MODE SET (6)



MISSED CALL:

- Delete call: PRESS MODE SET BRIEFLY (7)
- Recall: PRESS AND HOLD MODE SET (8)



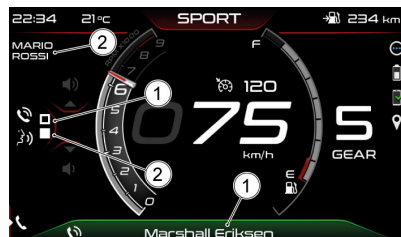
Managing a second call

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

In the pop-up area of the display, the new incoming call will be shown, and in the dedicated area of the travel log, the current call and indications for possible operations will be displayed.

Functions of mode selector for managing second call:

- Accept the incoming call and put the current call on hold: PRESS MODE SET BRIEFLY (1)
- Reject the incoming call and continue the current call: PRESS AND HOLD MODE SET (2)



- Switching from one call to the other (only after accepting the second call): PRESS MODE SET BRIEFLY (3)
- End the current call and switch to the other call: PRESS AND HOLD MODE SET (4)



G) Music information (displayed in ROAD / NAVI modes) (where provided)

Information relative to audio playback is displayed in this menu:

- Track playing.
- Playback paused.
- playback interrupted.



Music playback management

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

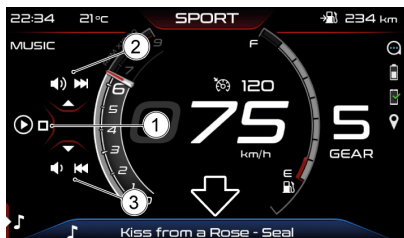
- associate the smartphone with the "Guzzi MIA" system via Bluetooth as described later in section "**VEHICLE / SMARTPHONE PAIRING**";
- install the "Moto Guzzi" app on your smartphone and access it (can be performed also from the instrument panel, without using the application);

After successful pairing, the corresponding three icons will appear on the digital display.



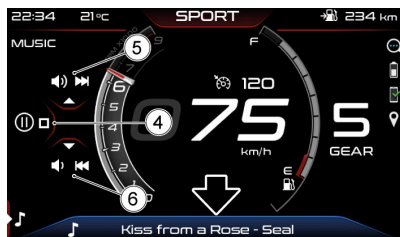
Mode selector functions for music playback management:

- Music playback: PRESS MODE SET BRIEFLY (1)
- Next music track: PRESS MODE UP BRIEFLY (2)
- Previous music track: PRESS MODE DOWN BRIEFLY (3)



- Pause track: PRESS MODE SET BRIEFLY (4)
- Volume control activation (with music playback in progress): PRESS AND HOLD MODE UP OR MODE DOWN
- Turn up the volume: PRESS MODE UP BRIEFLY (5)

- Turn down the volume : PRESS MODE DOWN BRIEFLY (6)



I) Navigation information (displayed in NAVI mode only) (where applicable)

Select this screen to view the destination for the navigation system entered via the smartphone.

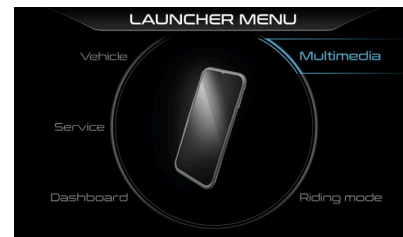
VEHICLE/SMARTPHONE PAIRING

The vehicle is equipped with the "MOTO GUZZI MIA" accessory, which 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 smartphone, the following functions can be directly managed by the digital display of the vehicle:

- call management;
- manage audio playback;
- GPS navigation.

From the main display screen, long press the 'MODE RIGHT' button to access the LAUNCHER MENU. Once in the menu, navigate to the 'Multimedia' item using the 'MODE UP' or 'MODE DOWN' buttons, then briefly press the 'MODE RIGHT' button to access the page.

(for more information on the LAUNCHER MENU, see section "Advanced Functions").



After entering the "Multimedia" page, activate the Bluetooth function in the smartphone to be paired, then select "Device Pairing" on the vehicle's digital display to start scanning for available devices.

Having identified the smartphone to be paired, select it and briefly press the "MODE RIGHT" button to start pairing. At the end of the procedure, the display will return to the main ROAD mode screen, showing the Pop-Up "Pairing completed" in case of successful pairing, or "Pairing aborted" in case of unsuccessful pairing.



The "smartphone" icon on the display indicates active communication between the device and the dashboard. It allows sharing of the phonebook and notifications when required. These enabling operations are necessary to display the caller's name on the display.



N.B.:



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.

N.B.:



TO PAIR THE DEVICES IT IS NECESSARY TO ACTIVATE THE PAIRING OF THE DEVICES AND THEN LAUNCH THE OPERATION FROM THE INSTRUMENT PANEL.

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.



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 till last, or perform the operation from the vehicle **MENU**;
- 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.

A wireless headset must be connected to the phone for proper audio transmission. The MIA system does not support the connection of the headset to the vehicle, but allows direct communication with the mobile device.

N.B.:



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.

N.B.:



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

IN CASE OF PAIRING THE SECOND SMARTPHONE, NOTE THAT THE SECOND ONE WILL REQUIRE A LONGER TIME (MORE THAN 30 SECONDS) TO 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.

"Guzzi MIA" SYSTEM MESSAGES

The "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.

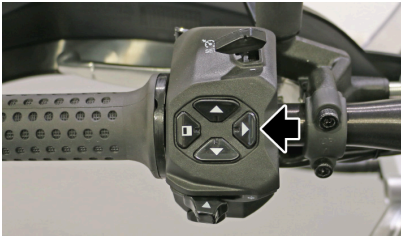
To activate the "MESSAGES" function, press the MODE SET button from the "Media information" page.

Afterwards, it will be possible to scroll through the various infotainment-related messages via the MODE UP and MODE DOWN buttons.

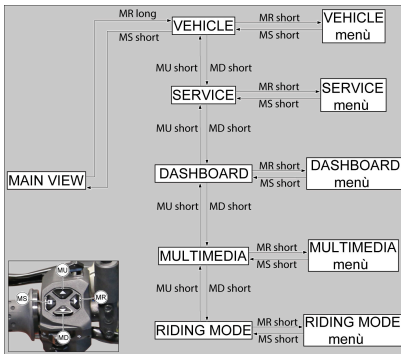


Advanced functions

With a long press of the MODE RIGHT button, from the ROAD screen, the display will pass to the NAVI screen (if the Guzzi MIA ECU is present) and then to the LAUNCHER MENU.



The flow diagram below shows the structure of the menu; the submenus of each function are explained in the relevant paragraphs in this section.



The LAUNCHER MENU is composed of the following entries:

- 1) Vehicle
- 2) Service
- 3) Instrument cluster
- 4) Riding mode

5) Multimedia - if applicable



1) Vehicle

The "Vehicle" menu contains the following options:

- 1.1) Headlamp mode - if applicable
- 1.2) Shift light
- 1.3) Emergency brake (Brake light)

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

To access the selected menu, briefly press the MODE RIGHT button, and to return to the main "MENU", briefly press the MODE SET button.



1.1) Headlamp mode - if applicable

This function is used to set the operating mode of the lights.

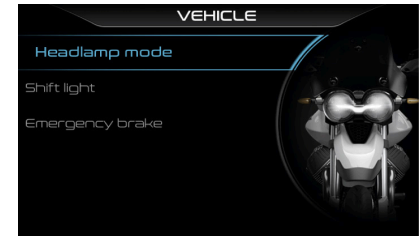
The use mode can be selected by shortly pressing the MODE RIGHT button. These modes will be displayed cyclically every time you press the button.

Auto = Automatic

Manual = Manual

Emergency = Emergency; (emergency mode must only be used in the event of a malfunction of the headlamp; and enables usage of the low beam headlights and DRL lights only)

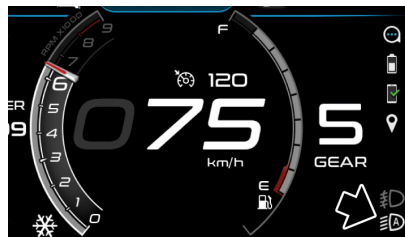
Press MODE SET briefly to go back to the main MENU.



N.B.:



THE RELATIVE ICON IS SHOWN ON THE DIGITAL DISPLAY WHEN "AUTO" MODE IS ACTIVE.



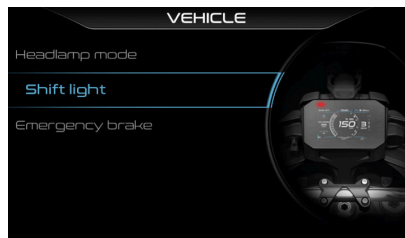
1.2) Shift light

This function is used to set the rotation threshold; if this is exceeded, the engine rpm bar will flash and the immobilizer indicator light will switch on.

The threshold can be increased by shortly pressing the MODE RIGHT button.

Once the maximum rotation number is reached, the threshold starts again from 4000 rpm.

Press MODE SET briefly to exit edit mode.

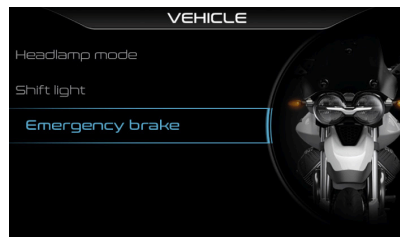


1.3) Emergency brake (Brake light)

When enabled, this function automatically activates the hazard warning lights in the event of hard and/or sudden braking. Activation of the hazard warning lights is not dependent on whether the ABS system is triggered.

By briefly pressing the MODE RIGHT button, the function can be activated and, with a further press, deactivated.

Press MODE SET briefly to go back to the main MENU.



2) Service

The "Service" menu contains the following options:

- 2.1) Change user code
- 2.2) Code recovery
- 2.3) Application (Firmware version)
- 2.4) Boot loader (Firmware version)
- 2.5) HLU application (Firmware version)
- 2.6) Service mileage

The functions available in the "Service" menu are described in the following paragraphs.

To access the selected menu, briefly press the MODE RIGHT button, and to return to the main "MENU", briefly press the MODE SET button.



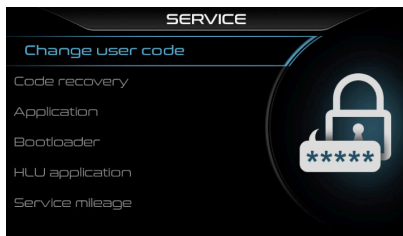
2.1) Change user code

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. On a new vehicle, the user code is set by default as five zeros (00000) and the message "INSERT YOUR PERSONAL CODE" appears on the display for ten seconds when the ignition is switched on.

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

The leftmost value of the display will show a value from 0 to 9 (which can be changed by pressing the MODE UP or MODE DOWN keys). Press MODE SET 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 instrument cluster. The last code set may be modified again in the 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.



2.2) Code recovery

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

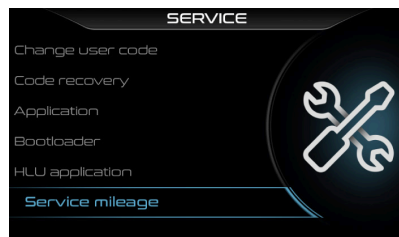
Once the function is activated, pressing the MODE SET briefly displays the message "INSERT KEY 1", requesting identification of the first key. Insert the key. If the correct key is recognised within twenty seconds, the message "INSERT KEY 2" is shown on the display. Insert the second key. If the second key is also recognised within twenty seconds, the instrument cluster resets the

user code to the default code (five zeros - 00000). Enter the new user code following the "CHANGE USER CODE " procedure.



2.6) Service mileage

This function shows the distance (in km or mi) remaining to the next service (service interval), or if the service icon is switched on, the distance (in km or mi) travelled since it was switched on.



3) Dashboard

The "Dashboard" menu contains the following options:

3.1) Backlight

3.2) Clock

3.3) Units

3.4) Languages

The functions available in the "Dashboard" menu are described in the following sections.

To access the selected menu, briefly press the MODE RIGHT button, and to return to the main "MENU", briefly press the MODE SET button.



3.1) 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.

The back light intensity can be increased with one point by briefly pressing on the MODE RIGHT button. Once the maximum level is reached, a further press will restart the setting from the minimum value.

Keep the MODE RIGHT button pressed to continuously increase the value until the button is released.

Press MODE SET briefly to go back to the main MENU.



3.2) Clock

This menu allows to adjust the clock and change its display format. The menu is divided into the following items:

3.2.1) Hours

3.2.2) Minutes

3.2.3) 12 H or 24 H mode (12 H or 24 H display)

Press MODE SET briefly to go back to the "Dashboard" menu.



3.2.1) Hours / 3.2.2) Minutes / 3.2.3) 12H or 24H mode

For the Minutes and Hours functions only, the value can be increased with one point with a brief press on the MODE RIGHT button. Once the maximum level is reached, a further press will restart the setting from the minimum value. Keep the MODE RIGHT button pressed to continuously increase the value until the button is released

For the 12H or 24H mode function only (12H or 24H display), briefly press the MODE RIGHT selector to change the time display format.

Press MODE SET briefly to go back to the "Clock" menu.

3.3) Units

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

3.3.1) Speed

3.3.2) Fuel consumption

3.3.3) Temperature

3.3.4) Pressure (visible if applicable)

Press MODE SET briefly to go back to the "Dashboard" menu.



3.3.1) Speed

This function may be used to change the unit of measurement used for speed:

- km/h (kilometres per hour)
- mph (miles per hour)

The measurement unit can be changed by shortly pressing the MODE RIGHT button.

Press MODE SET briefly to go back to the "Dashboard" menu.

N.B.:



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.

3.3.2) Fuel consumption

This function is used to change the display of the fuel consumption measurement unit:

- km/l
- l/100 km
- mpg (UK)
- mpg (USA)

The measurement unit can be selected by shortly pressing the MODE RIGHT button. These units will be displayed cyclically every time you press the button.

Press MODE SET briefly to go back to the "Dashboard" menu.

3.3.3) Temperature

This function is used to change the measurement unit used for temperature:

- °C (Celsius degrees)
- °F (Fahrenheit degrees)

The measurement unit can be changed by shortly pressing the MODE RIGHT button.

Press MODE SET briefly to go back to the "Dashboard" menu.

3.3.4) Pressure (visible if applicable)

This function is used to change the display of the tire pressure measurement unit:

- bar;
- psi.

The measurement unit can be changed by shortly pressing the MODE RIGHT button.

Press MODE SET briefly to go back to the "Dashboard" menu.

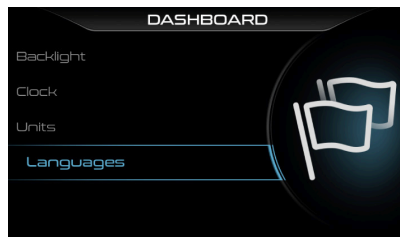
3.4) Languages (Languages)

This function is used to change the instrument panel display language:

- English
- Italian
- French
- German
- Spanish

The next language can be selected by shortly pressing the MODE RIGHT button. These languages will be displayed cyclically every time you press the button.

Press MODE SET briefly to go back to the "Dashboard" menu.



4) Riding mode (Riding mode) - if applicable

The Riding mode menu varies depending on which Riding mode you have; call functions are listed below with the "Riding mode" that enables them:

- MGCT - (this function **disappears** if you have the riding mode CUSTOM)
- ABS - (**only** available with OFF-ROAD riding mode)

- Set riding mode - (**only** available with CUSTOM riding mode)
- Set language
- Calibration

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

To access the selected menu, briefly press the MODE RIGHT button, and to return to the main "MENU", briefly press the MODE SET button.



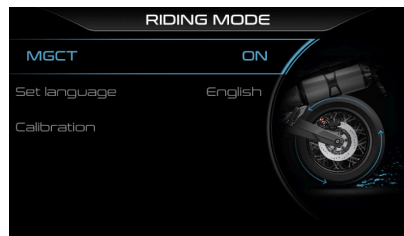
4.1) MGCT (Moto Guzzi Traction Control)

This function allows you to activate or deactivate the vehicle's traction control, but **NOT** to set its intervention level.

The MGCT function will disappear once the 'CUSTOM' riding mode is purchased, which will enable the 'Set riding mode' entry in which it will also be possible to activate or deactivate the MGCT, for each available riding mode.

By briefly pressing the MODE RIGHT button, the traction control can be activated (ON) or deactivated (OFF).

Press MODE SET briefly to go back to the "Dashboard" menu.

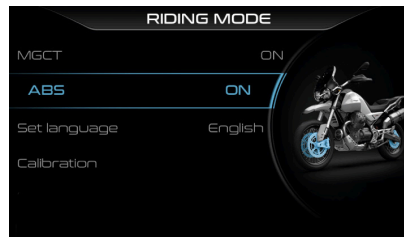


4.2) ABS

This function, **only** available with the OFF-ROAD riding mode, allows the ABS system to be activated or deactivated on both wheels.

By briefly pressing the MODE RIGHT button, the ABS can be activated (ON) or deactivated (OFF).

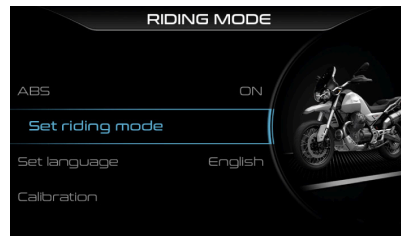
Press MODE SET briefly to go back to the "Dashboard" menu.



4.3) Set riding mode

This function, **only** available with the CUSTOM riding mode, allows to edit the available "riding modes", setting the intervention level of the electronic controls.

To enter the function, briefly press the MODE RIGHT button.



Once in the function and by using the MODE RIGHT button, select the RIDING MODE you want to edit, then use the MODE UP or MODE DOWN buttons to position on the item of which you want to edit and change the intervention level using the MODE RIGHT button.

For more information on vehicle controls, please refer to the section "**Electronic Vehicle Controls**".

To reset the values to the factory settings, select the desired RIDING MODE and press and hold the MODE SET button.

	CUSTOM	SPORT	STRADA	PIOGGIA	OFF-ROAD
MGCM	1	1	1	2	1
MGCT	2	2	OFF	3	1
ABS	2	1	2	1	OFF

MODIFY ► MOVE ⬆ RESET ■ EXIT ◀

N.B.:



Intervention RANGE

MGCM: 1 - 3 (1 = more aggressive intervention, 3 = softer intervention)

MGCT: OFF - 3 (3 = maximum intervention)

ABS: OFF - 2. (OFF = only available for OFF-ROAD, 1 = active on front wheel only, 2 = active on both wheels)

4.4) Set language (Riding modes display language)

This function is used to change the Riding mode display language:

- Italian
- English

The next language can be selected by shortly pressing the MODE RIGHT button.

Press MODE SET briefly to go back to the "Dashboard" menu.



4.5) Calibration

When the Calibration function is selected (with the vehicle stationary), having activated it by pressing the MODE RIGHT button briefly, a screen appears in the Pop-up area with the following description:

"Calibration - Speed not correct"



To calibrate the MGCT system (Moto Guzzi Traction Control) ride along a flat straight road in second gear at a speed of 40 +/- 2 km/h (24.85 +/- 1.24 mph) for approximately 10 seconds, until the digital display shows a message "Calibration - Hold speed".



If calibration is completed successfully, the message "Calibration done - Key OFF (60s)" is displayed.



N.B.:



WHEN THE TEXT "Calibration done - Key OFF (60s)" APPEARS ON THE DISPLAY, STOP THE VEHICLE AND TURN THE IGNITION TO KEY-OFF FOR AT LEAST 60 SECONDS TO COMPLETE CALIBRATION. THIS ALLOWS THE CALIBRATION TO BE STORED IN THE MEMORY.

N.B.:



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

IF TYRES OTHER THAN THOSE INDICATED IN THIS USE AND MAINTENANCE BOOKLET ARE

USED, TO OBTAIN THE SAME PERFORMANCE FROM THE MGCT SYSTEM THE SETTING LEVELS OF THE SYSTEM ITSELF MAY NEED TO BE MODIFIED.

N.B.:



TURN THE IGNITION SWITCH OFF TO ABORT THE CALIBRATION PROCEDURE.

DURING CALIBRATION, MGCT IS AUTOMATICALLY DEACTIVATED (IF PREVIOUSLY ACTIVATED).

5) Multimedia - (where required)

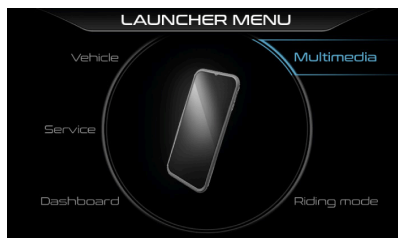
The "Multimedia" menu consists of the following items:

5.1) Devices pairing

5.2) Reset pairing

The functions available in the "Multimedia" menu are described in the following paragraphs.

To access the selected menu, briefly press the MODE RIGHT button, and to return to the main "MENU", briefly press the MODE SET button.



5.1) Devices pairing

The "Devices pairing" menu allows to pair new devices on the dashboard of the vehicle.



Having activated the Bluetooth function on the device to be paired, by briefly pressing the MODE RIGHT button, selecting the "Devices pairing" command from the vehicle menu, the devices available for pairing will be scanned.

Once the device to be paired has been identified, after selecting it, by briefly pressing the MODE RIGHT button, pairing will be carried out and the screen will return to the ROAD mode display with a pop-up confirming "PAIRING COMPLETED" or

"PAIRING ABORTED" if the pairing does not take place correctly.

Press MODE SET briefly to return to the "Multimedia" menu.



5.2) Reset pairing

The "Reset pairing" menu allows to delete and consequently disconnect all paired devices by briefly pressing the "MODE RIGHT" button..

Press MODE SET briefly to return to the "Multimedia" menu.



GPS navigation
(if applicable)

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. The navigation icon appears on the digital display after setting the destination address.

Refer to the navigation guide by accessing the "MOTO GUZZI" application with your account.



N.B.:



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

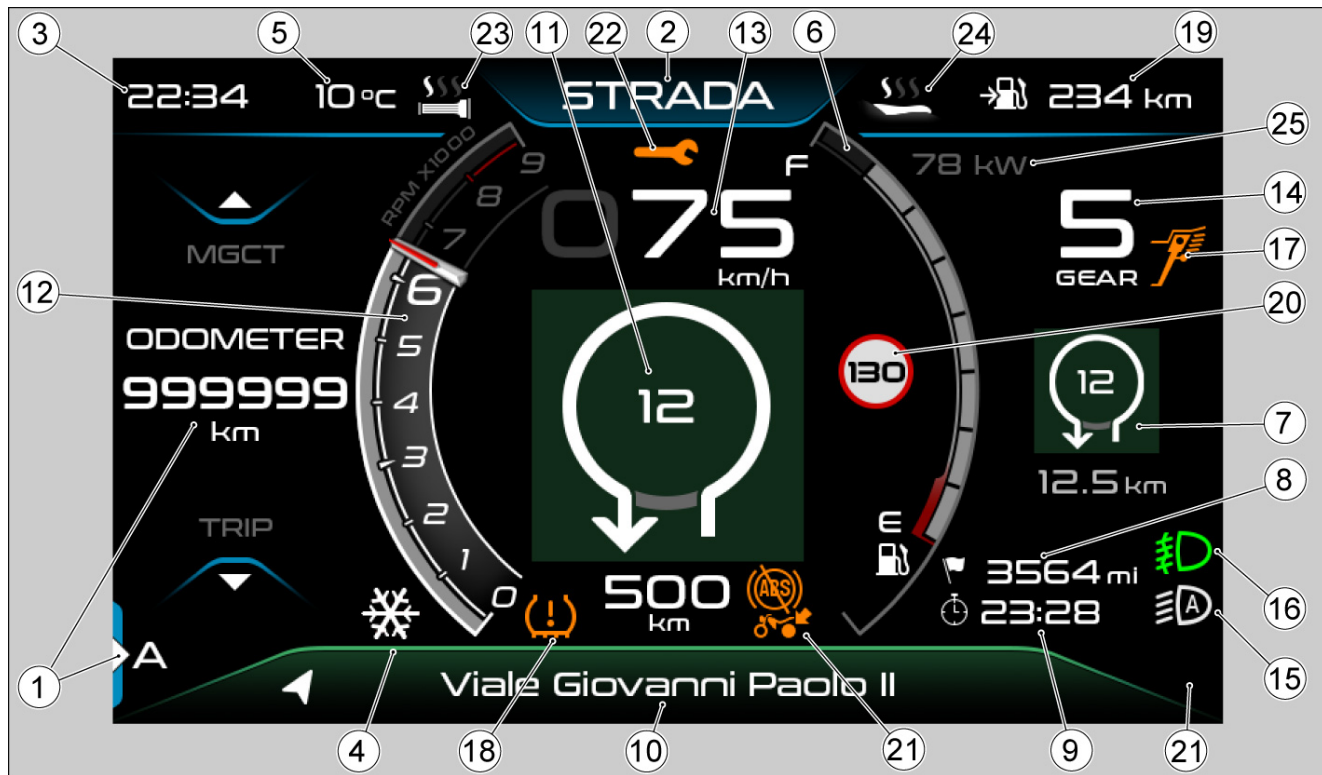
Press and hold down MODE RIGHT to access the GPS navigation directions and information screen.

N.B.:



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

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



Navigation screen legend

1) Trip computer log (TRIP LOG A / TRIP LOG B) / Navigation information

(Where the Guzzi Mia control unit is present: telephone, music, media player.

(Where the components are present): heated seat, heated handgrips;

2) Riding mode selected;

3) Clock (displayed in 24 or 12 hour format, without the AM / PM indication);

4) Ice hazard icon (displayed at temperatures from -15 °F (5 °C) to +3 °F (37.4 °C)) / Battery alert indicator (voltage between poles too low);

5) Ambient temperature (shown in °F or °C);

6) Fuel gauge;

7) Indication regarding the manoeuvre after next manoeuvre and the relative distance;

8) distance remaining to arrival at destination;

9) time remaining to arrive at destination;

10) Destination address / Information pop-up;

11) indication of the next turn and relative distance;

12. Rpm indicator;

13) Speed (speedometer) (displayed in km/h or in mph);

14) Gear selected (displayed only with engine running and vehicle moving);

15) Automatic lights mode active;

16) Fog lights active (if applicable)

17) Open side stand indicator;

18) Low tyre pressure alarm (displayed where applicable);

19) Range (displayed in km or mi);

20) Indication regarding the speed limit applicable on the current road;

21) Icon indicating that ABS system is effective on front wheel only / ABS system disabled (only in the "OFF-ROAD" riding mode);

22) Service icon;

23) Hand grip heating level indicator (displayed if applicable);

24) Seat heating level indicator (displayed if applicable);

25) Reduced power map indication (if applicable);.

In the space dedicated to navigation information it is possible to view:

- If not navigating, the list of the last destinations started (if any) is present;
- If navigating, the current destination is present;

Key switch

Ignition switch

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.

N.B.:



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

N.B.:



THE LIGHTS COME ON AUTOMATICALLY AFTER THE ENGINE STARTS.

N.B.:

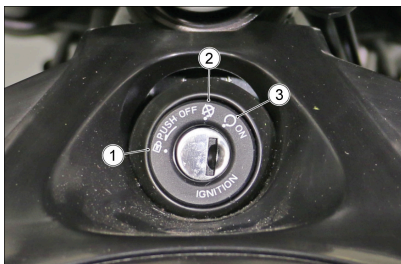


KEEP THE SPARE KEY IN A DIFFERENT PLACE, NOT WITH THE VEHICLE.

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.



Engaging the steering lock

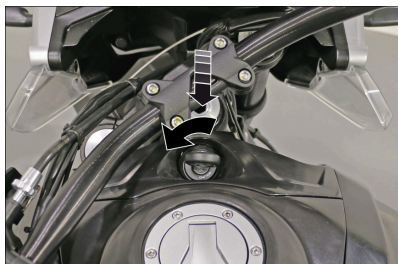
CAUTION



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

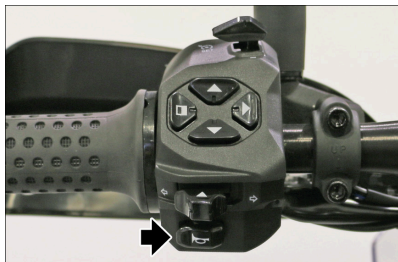
To lock the steering:

- 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.



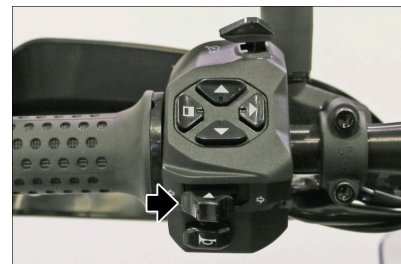
Horn button

Press it to activate the horn.



Turn indicator switch

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.



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 of the two following conditions is met:

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

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.

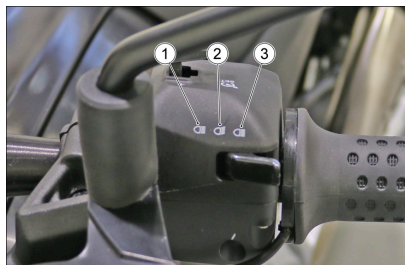
Light switch

In DRL ON mode (if applicable):

- the DRL lights only are lit when the selector is left in the centre position (2).
- pressing the selector into position (1) switches on the high beam headlight
- press the selector into position (3) to flash the high beam headlamp to signal danger or an emergency.

When the low beam headlights are on (DRL OFF):

- the low beam lights only are lit when the selector is left in the centre position (2).
- pressing the selector into position (1) switches on the high beam headlight
- press the selector into position (3) to flash the high beam headlamp to signal danger or an emergency.



High beam flash switch

Press button (3) to flash the high beam headlamp to signal danger or an emergency.

Releasing the switch deactivates the high beam flash.



Daytime/night lights switch

This button allows to select the use mode of the daytime running lights (DRL), night lights (low / high beams) and the activation of the fog lights (if applicable).



- Press the button briefly to cycle through the modes available (daytime/night-time lights).
- A long press of the button will activate the fog lights regardless of the lighting mode active. **(if applicable)**
- A further long press will deactivate the fog lights. **(if applicable)**

N.B.:



IF THE "HEADLAMP MODE" FUNCTION (SEE SECTION "ADVANCED FUNCTIONS") IS SET TO "AUTO" (AUTOMATIC), THE TWILIGHT SENSOR IS ALSO USED TO SWITCH THE LOW BEAM HEADLIGHTS ON AUTOMATICALLY IN LOW LIGHT CONDITIONS.

IF THE "HEADLAMP MODE" FUNCTION IS SET TO "EMERGENCY", THE DAYTIME RUNNING LIGHTS (DRL) ARE DISABLED AND THE LOW BEAM HEADLIGHTS ONLY REMAIN PERMANENTLY LIT.

N.B.:

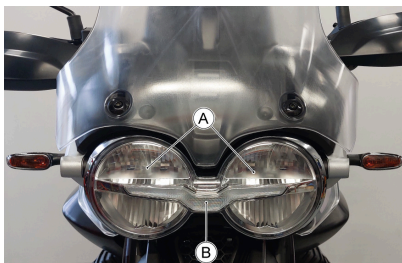


THE FOG LIGHTS WILL BE DEACTIVATED WITH EACH KEY OFF/ON. THE LOW/HIGH BEAM LIGHTS ARE ONLY ON WHEN THE ENGINE IS RUNNING.

N.B.:



WHEN THE LOW BEAM HEADLIGHTS ARE ON (A), THE BRIGHTNESS OF THE DRL LIGHTS (B) IS DIMMED.



N.B.:



FLASHING OF THE FOG LIGHTS ICON ON THE DIGITAL DISPLAY INDICATES A PROBLEM WITH THE FRONT LIGHT CLUSTER. CONTACT AN official Moto Guzzi dealer AS SOON AS POSSIBLE.

Hazard warning lights activation switch

The HAZARD system is only available at key ON.

Pressing the button activates the four turn indicators and the corresponding warning light on the instrument cluster at the same

time. Pressing the button further switches the system off.

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**.

N.B.:



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.



Heated handgrip control

(if applicable)

The activation, deactivation and heat level of the heated hand grips is performed with the control button.

The page dedicated to setting the heated grips can be viewed by scrolling through the pages in the space dedicated to the trip log.

Once the heated knobs page is reached, you can activate them by briefly pressing the MODE UP button and then, with further presses, increase the level of heat intensity.



N.B.:



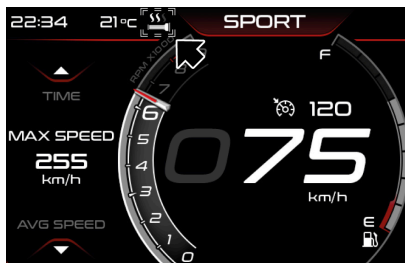
HEATING OF THE HAND GRIPS, REGARDLESS OF THE INTENSITY LEVEL CHOSEN, ONLY OCCURS WITH THE ENGINE STARTED AND OVER 2000 rpm.

By briefly pressing the MODE DOWN button, the heat intensity level can be

lowered until the system is switched off ('OFF' state).



When knob heating is activated, the corresponding icon on the dashboard is activated, which also shows the selected heating intensity level.



WARNING



THE FLASHING SYMBOL INDICATES THE MALFUNCTION OF A GRIP.

N.B.:



THE HEATED GRIPS ARE OFF WITH EACH KEY OFF-ON.

Heated saddle command

(if applicable)

The heated saddle is switched on, off and the heat level is set using the control buttons.

By scrolling through the pages of the travel diary, it is possible to display the page dedicated to setting the heated seat. If the seat heating system is present, the system will automatically recognise it and the setting page will appear in the menu.

Once the heated seat page is reached, you can activate them by briefly pressing the MODE UP button and then, with further presses, increase the level of heat intensity.



N.B.:



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

By briefly pressing the MODE DOWN button, the heat intensity level can be lowered until the system is switched off ('OFF' state).



When seat heating is activated, the corresponding icon on the dashboard is activated, which also shows the selected heating intensity level.



WARNING



THE FLASHING SYMBOL INDICATES THE MALFUNCTION OF THE HEATING SYSTEM.

N.B.:



EACH OFF-ON KEY SWITCHES THE SADDLE HEATING OFF.

Starter button

By pressing the button on the right side handlebar, the starter motor spins the engine.

The following conditions are necessary to permit engine start:

- If the vehicle is in neutral with the side stand extended: Press the starter button on the right side handlebar.
- If the vehicle has any gear is engaged and the stand is closed: Pull the clutch lever and at the same time press the starter button on the right side handlebar.



Engine stop switch

It acts as a safety or emergency switch.

CAUTION



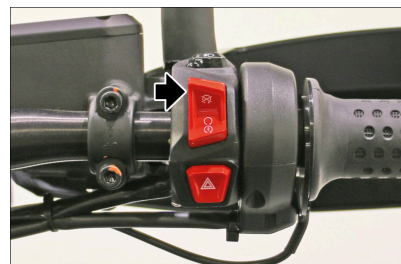
DO NOT ACTIVATE THE ENGINE STOP SWITCH WHILE RIDING THE VEHICLE.

Press and hold the ignition switch in the "KEY ON" position to start the engine; press the switch to set it to "KEY OFF" to stop the engine.

N.B.:



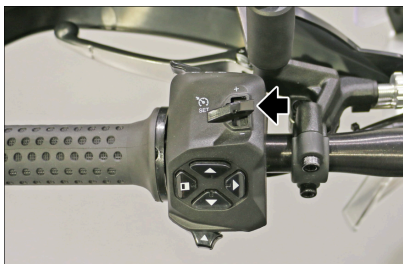
WITH THE ENGINE STOPPED AND THE STARTER SWITCH IN THE "ON" POSITION, THE BATTERY MIGHT RUN DOWN.



Cruise Control button

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

Briefly pressing the cruise control selector switch to the left (pressure less than 1 second) starts the system (change from OFF to ON state), the start of the system is indicated by the flashing of the corresponding indicator light on the dashboard.



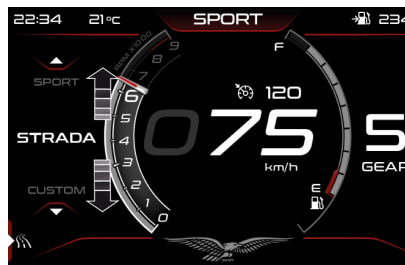
N.B.:



IF THE VEHICLE HAS AN ANTI-THEFT SYSTEM, THIS MUST BE UNLOCKED IN ORDER TO ACTIVATE THE SYSTEM.

Going from OFF to ON is also possible with the engine off, as long as the engine stop switch is on RUN.

When the system is in the OFF state, the switch assumes the function of the riding mode selector. From the Riding Mode screen of the digital display, pressing the button in either direction will scroll through the various riding modes available. Once the desired riding mode is reached, stop to confirm the selection.



N.B.:



ALWAYS SWITCH OFF THE SYSTEM (SWITCHING FROM ON TO OFF) BEFORE CHANGING THE RIDING MODE.

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

The maximum and minimum settable speed values depend on the gear currently selected

Once at the required speed, the cruise control system may be activated by the rider (switched to SET state) by pushing the cruise control selector briefly (for less than 1 second) to the left, provided that the following conditions are met:

- 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 by a short press (less than

1 second) of the cruise control switch up or down (increase / decrease the speed of 2 km/h (1.24 mph)) or via a long press (from 1 to 20 seconds) up or down (increase / decrease in the constant speed). The throttle may be used to increase speed temporarily by up to 30 km / h (18.64 mph) for the third, fourth and fifth gear and 40 km / h (24.85 mph) for the sixth gear with respect to the selected speed without turning off the system (e.g. passing). If the increase in speed exceeds 30 km/h (18.64 mph) for the third, fourth and fifth gear and 40 km/h (24.85 mph) for the sixth gear, it will cause a system deactivation (change from SET to ON, flashing light). Released the throttle grip, the motorcycle will return to the selected cruising speed.



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;
- Inserting a lower gear than 3rd or shift into neutral;

- By briefly moving the selector to the left;
- 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 activated any time observing as usual the previously described conditions and keeping the selector pressed upward (for more than 1 second) if you want to reconfirm the last cruise speed used or by briefly moving the selector to the left 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:

- Keeping the cruise control selector moved to the left (for more than 1 second);
- Run-off interrupter activated;
- Engine stop (Key-OFF);
- Failure, malfunction of a component involved in controlling the speed (tone wheels sensors, control units, etc.)

The Immobilizer system

The Immobilizer system function

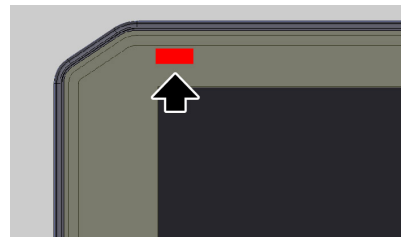
For enhanced theft protection, the vehicle is equipped with an electronic immobilizer

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.



N.B.:



THE IMMOBILIZER SYSTEM CAN MEMORISE UP TO FOUR KEYS.

DATA STORAGE OPERATION CAN ONLY BE PERFORMED AT AN Authorised Moto Guzzi Dealer

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 identified error will be displayed on the screen. It is then possible to start the motorcycle so you can go immediately to an Authorised **Moto Guzzi** Dealer.



N.B.:



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.

The saddle

Saddle opening

- Rest the vehicle on its stand.
- Insert the key in the saddle lock situated under the taillight.
- Turn the key clockwise.



- Slightly press the centre of the rear saddle to facilitate the release of the pin.
- Lift the rear side of the saddle.



(if heated seat present)

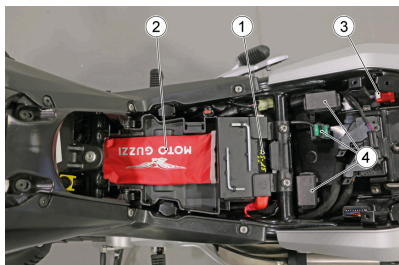
- Disconnect the heated seat connector.



- Release the front fasteners to the tank by pulling the saddle towards the rear of the vehicle.
- Store the saddle in a suitable place



- Once the saddle is removed, there is access to the vehicle's battery (1), to the glove compartment and to the tools kit (2), to the OBD2 socket (3) and to the secondary fuse boxes (4).



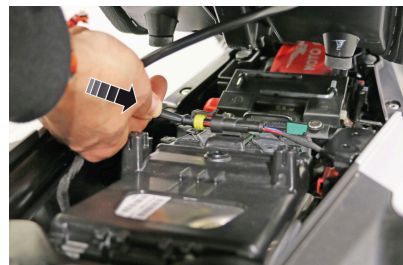
To lock the saddle:

- Position the front part of the saddle in the relevant seats on the tank.



(if heated seat present)

- Connect the heated seat connector



- Press the centre of the rear saddle to release the lock.



WARNING



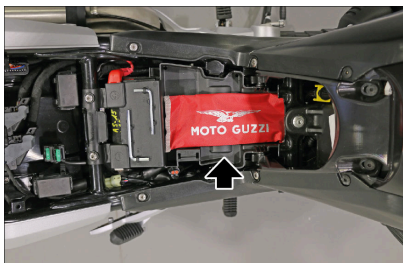
BEFORE LOWERING AND LOCKING THE SADDLE, MAKE SURE THAT THE IGNITION KEY IS NOT ACCIDENTALLY LEFT IN AN IMPROPER POSITION UNDER THE SADDLE.

CAUTION

BEFORE RIDING MAKE SURE THAT THE SADDLE IS CORRECTLY LOCKED INTO POSITION.

Document / tool kit compartment

To access the glove / tool kit compartment it is necessary to remove the seat, using the relevant lock under the taillight.

**USB port**

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

To use it, remove the protection cap.

**WARNING**

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

WARNING

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

WARNING

PROLONGED USE OF THE PLUG SOCKET MAY RESULT IN PARTIAL DISCHARGE OF THE BATTERY.

USB port

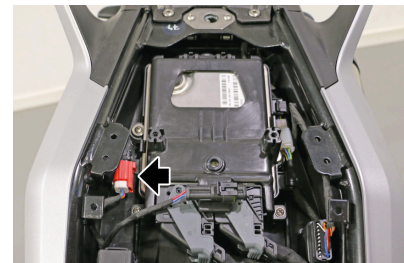
Output voltage (5.00+/-0.25) dc

Charge current 1A Max

OBD socket

The vehicle is equipped with an OBD2 (On-Board Diagnostics) port to monitor the operating parameters at an **Authorised Service Centre**.

The OBD2 socket is located under the passenger saddle, next to the E.C.U. control unit.

**Identification**

Write down the chassis and engine number in the specific space in this booklet. The

chassis number is handy when purchasing spare parts.

WARNING

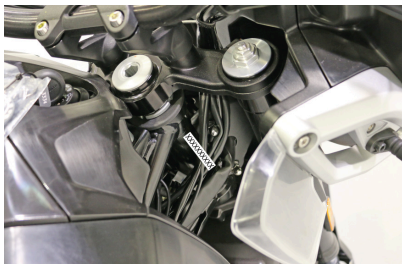


CHANGING IDENTIFICATION NUMBERS IS AN OFFENSE WHICH CAN RESULT IN SEVERE CRIMINAL CHARGES. IN ADDITION THE NEW VEHICLE LIMITED WARRANTY WILL BE CANCELED IF THE VEHICLE IDENTIFICATION NUMBER (VIN) HAS BEEN CHANGED OR CANNOT READILY BE DETERMINED.

FRAME NUMBER

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

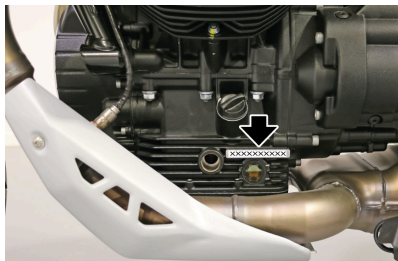
Chassis No.



ENGINE NUMBER

The engine number is printed on the left side of the crankcase, above the engine oil inspection port.

Engine No.



Windshield adjustment

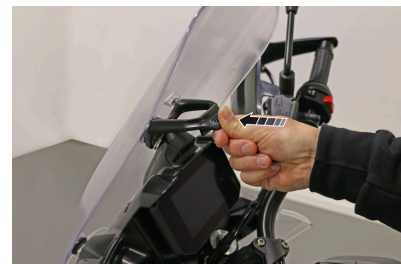
CAUTION



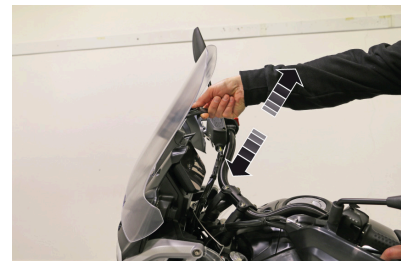
CARRY OUT WINDSHIELD ADJUSTMENT OPERATIONS ONLY WHEN THE VEHICLE IS STATIONARY.

It is possible to manually adjust the height of the windshield in five different positions, as follows:

- Press the adjustment lever on the windshield.



- Using the adjustment lever, raise or lower the windshield to the desired position.
- Release the adjustment lever.



N.B.:



ENSURE THAT THE WINDSHIELD IS NOT BETWEEN TWO POSITIONS BUT IS PROPERLY SEATED.

V85TT - V85TT Travel - V85TT Strada



CHAPTER 03 Usage

Controls

CAUTION



BEFORE DEPARTURE, ALWAYS CARRY OUT A PRELIMINARY CHECK OF THE VEHICLE, FOR CORRECT AND SAFE OPERATION. FAILURE TO DO SO MAY CAUSE 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.

Whenever the ignition switch is set to "ON", the Pop-Up area of the dashboard will turn red and the general warning icon will be displayed.



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,

Pre-ride checks

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. Lubricate the joints if necessary.

Steering Check that the rotation is uniform, smooth and there are no signs of clearance or slackness.

Pre-ride checks	
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 and electrical devices	Check function of horn and lights.
Tone wheel	Check that the tone wheels are perfectly

Pre-ride checks
clean and in good conditions.

Refuelling

CAUTION



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.

CAUTION



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.

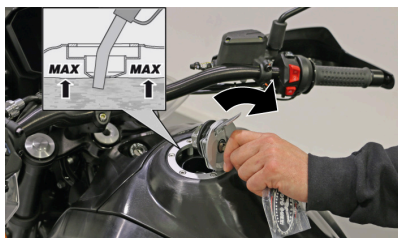
IF YOUR VEHICLE TIPS OVER, IT WILL LOSE FUEL, WHICH IS EXTREMELY INFLAMMABLE. FLAMES AND SPARKS MAY RESULT IN SERIOUS FIRES THAT WILL NOT ONLY DESTROY YOUR VEHICLE, BUT WILL ALSO BE EXTREMELY DANGEROUS FOR THE SURROUNDING VEHICLES AND BUILDINGS, WHICH MAY CAUSE VERY SERIOUS INJURIES AND EVEN DEATH.

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

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

To refuel:

- Lift the cover (1).
- Introduce the key (2) in the fuel tank cap lock.
- Turn the key clockwise, pull and open the fuel filler cap (3).



WARNING



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.

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

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

N.B.:



DO NOT FILL THE TANK COMPLETELY; THE MAXIMUM GASOLINE LEVEL SHOULD REMAIN UNDER THE LOWER EDGE OF THE FILLER NECK (SEE FIGURE).

- Refill.

WARNING



DO NOT ADD ADDITIVES OR ANY OTHER SUBSTANCES TO THE FUEL. WHEN USING A FUNNEL, ENSURE THAT IT IS PERFECTLY CLEAN.

CAUTION



DURING REFUELING, AVOID FUEL LEAKAGES AS THEY MAY CAUSE HARM OR DAMAGE AND POSE A FIRE HAZARD.

CAUTION



WHILE REFUELING, DO NOT USE ELECTRONIC DEVICES AND/OR

CELLULAR PHONES THAT COULD CAUSE DAMAGE TO THINGS AND/OR PEOPLE DUE TO GASOLINE VAPORS.

After refuelling:

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

CAUTION



MAKE SURE THAT THE CAP IS CLOSED CORRECTLY.

Adjusting the rear shock absorbers

The rear shock absorber on the V85TT is adjustable in spring preload and hydraulic braking in rebound.

CAUTION



SET SPRING PRE-LOADING AND SHOCK ABSORBER REBOUND

DAMPING ACCORDING TO THE VEHICLE USE CONDITIONS.

IF THE SPRING PRE-LOADING IS INCREASED, IT IS NECESSARY TO INCREASE THE REBOUND DAMPING ACCORDINGLY TO AVOID SUDDEN JERKS WHEN RIDING.

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.

N.B.:



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

Depending on which version of V85TT, the spring preload adjuster varies:

V85TT - V85TT TRAVEL

Spring preload is adjusted via an adjustment knob (1) located on the shock absorber itself, positioned on the right side of the vehicle.



V85TT STRADA

Spring preload is adjusted by means of a ring nut adjuster (2) with multiple preset positions.



WARNING



DO NOT FORCE THE ROTATION OF THE ADJUSTMENT SCREW

BEYOND THE LIMIT STOP IN BOTH DIRECTIONS, IN ORDER TO PREVENT ANY DAMAGE.

CAUTION



ALWAYS OBSERVE THE RECOMMENDED ADJUSTMENT RANGE.

FOR THE CORRECT SETTING PARAMETERS, READ THE SECTION "SETTING THE REAR SHOCK ABSORBERS" CAREFULLY.

IF NECESSARY, CONTACT AN Official Moto Guzzi Dealer.

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.

On the lower part of the shock absorber, **on all versions of the V85TT**, there is an adjuster (3) which allows adjustment of the shock absorber's rebound braking.



WARNING



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

CAUTION



ALWAYS OBSERVE THE RECOMMENDED ADJUSTMENT RANGE.

FOR THE CORRECT SETTING PARAMETERS, READ THE SECTION "SETTING THE REAR SHOCK ABSORBERS" CAREFULLY.

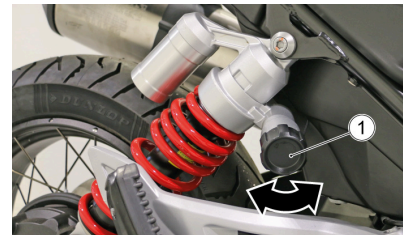
IF NECESSARY, CONTACT AN Official Moto Guzzi Dealer.

Rear shock absorbers setting

Spring pre-load adjustment

V85TT - V85TT TRAVEL

To adjust the spring pre-load, turn the adjuster knob (1) clockwise to increase the pre-load or counterclockwise to decrease it.



V85TT STRADA

Turn the adjuster ring (2) with a hook spanner, provided in the tool kit, to adjust the spring pre-load. Rotate the ring (2) clockwise to increase the pre-load or anticlockwise to decrease the pre-load.



WARNING



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

N.B.:

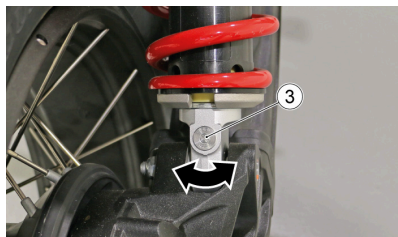


AS THE PRE-LOAD INCREASES, THE SPRING LENGTH WILL DECREASE, AND VICE VERSA IF THE PRE-LOAD DECREASES, THE SPRING LENGTH WILL INCREASE.

Rebound braking adjustment

To adjust the rebound (return) braking, use a flat-head screwdriver to turn the adjuster (3) located at the lower part of the shock absorber.

Turn the adjuster clockwise to increase braking, or counter-clockwise to decrease braking.



WARNING



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

RECOMMENDED SETTING

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

RIDER ONLY

- PRE-LOAD (KNOB) - FROM FULLY OPEN (**) CLOSE (*): 1 clicks
- PRE-LOAD (RING) - FROM FULLY OPEN (**) CLOSE (*): 1 notch
- HYDRAULIC BRAKING (ADJUSTER) - FROM FULLY CLOSED (*) OPEN (**): 2 turns

RIDER + LUGGAGE or RIDER + PASSENGER

- PRE-LOAD (KNOB) - FROM FULLY OPEN (**) CLOSE (*): 12 clicks
- PRE-LOAD (RING) - FROM FULLY OPEN (**) CLOSE (*): 3 notches
- HYDRAULIC BRAKING (ADJUSTER) - FROM FULLY CLOSED (*) OPEN (**): 1 turn

RIDER + PASSENGER + LUGGAGE

- PRE-LOAD (KNOB) - FROM FULLY OPEN (**) CLOSE (*): 25 Clicks (full)
- PRE-LOAD (RING) - FROM FULLY OPEN (**) CLOSE (*): 7 notches
- HYDRAULIC BRAKING (ADJUSTER) - FROM FULLY CLOSED (*) OPEN (**): 0.5 turns

(*) = clockwise

(**) = anticlockwise

CAUTION



IN CASE OF UNEVEN ROAD SURFACES, WITH THE PRESENCE OF POTHOLE AND/OR DEPRESSIONS, THE "RIDER + PASSENGER + LUGGAGE" SETTING IS RECOMMENDED.

Front fork adjustment

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

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



WARNING

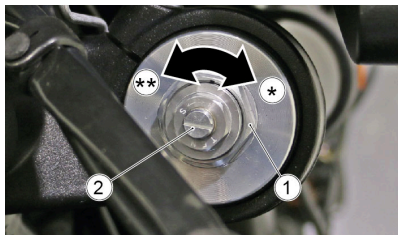


TO HAVE THE FRONT FORK OIL AND OIL SEALS REPLACED, CONTACT AN Official Moto Guzzi Dealer.

The front suspension consists of a hydraulic fork connected to the headstock by means of two plates.

The right stem of the fork has a top nut (1) for adjusting the spring preload and a top

adjustment screw (2) to adjust the hydraulic braking in rebound.



WARNING



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

WARNING



WHEN SPRING PRE-LOAD IS INCREASED, REBOUND DAMPING MUST ALSO BE INCREASED TO PREVENT EXCESSIVE SUSPENSION KICKBACK WHEN RIDING.

The standard front fork setting is adjusted to suit most high and low speed riding conditions, whether the vehicle is partially or fully loaded.

However, the setting can be modified for specific needs according to vehicle use.

CAUTION



FOR THE CORRECT SETTING PARAMETERS, READ THE SECTION "SETTING THE FRONT FORK" CAREFULLY.

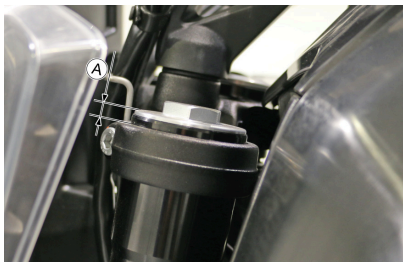
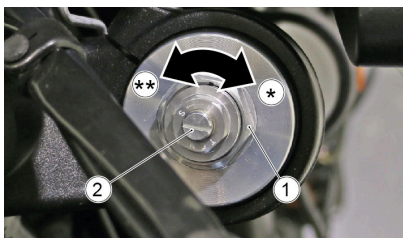
IF NECESSARY, CONTACT AN Official Moto Guzzi Dealer.

Setting the front fork

N.B.:



TO COUNT THE NUMBER OF RELEASES AND/OR REVOLUTIONS OF THE ADJUSTERS, ALWAYS START FROM THE MOST RIGID SETTING (A COMPLETE CLOCKWISE ROTATION OF THE ADJUSTER).



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

RIDER ONLY

- PRE-LOAD (1) - FROM FULLY OPEN (**) CLOSE (*): 1 notch
- HYDRAULIC BRAKING (2) - FROM FULLY CLOSED (*) OPEN (**): 10 clicks
- STANCHION PROTRUSION (A) (***) FROM TOP YOKE (EXCLUDING COVER): 1 notch

RIDER + LUGGAGE or RIDER + PASSENGER

- PRELOAD (1) - FROM FULLY OPEN (**) CLOSE (*): 1 notch
- HYDRAULIC BRAKING (2) - FROM FULLY CLOSED (*) OPEN (**): 10 clicks
- STANCHION PROTRUSION (A) (***) FROM TOP YOKE (EXCLUDING COVER): 1 notch

RIDER + PASSENGER + LUGGAGE

- PRELOAD (1) - FROM FULLY OPEN (**) CLOSE (*): 1 notch
- HYDRAULIC BRAKING (2) - FROM FULLY CLOSED (*) OPEN (**): 10 clicks
- STANCHION PROTRUSION (A) (***) FROM TOP YOKE (EXCLUDING COVER): 1 notch

(*) - Clockwise

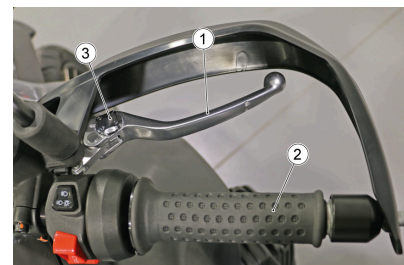
(**) - Anticlockwise

(***) - this type of adjustment may only be made by an **Authorised Moto Guzzi Dealer**.

Front brake lever adjustment

It is possible to adjust the distance between the end of the lever (1) and the grip (2), turning the adjuster (3).

- Push the control lever (1) forwards and turn the adjuster (3) until the lever (1) is at the desired distance.
- Turning the adjuster anticlockwise, the lever (1) gets closer to the grip (2).



WARNING



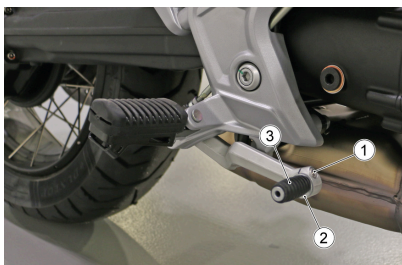
IF THE FRONT BRAKE LEVER MUST BE REMOVED, CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.

Adjusting the rear brake pedal

The control levers are positioned ergonomically when the vehicle is being assembled.

if necessary, it is possible to customise the position of the levers.

- Rest the vehicle on its stand.
- Partially undo the screw (1).
- Turn the cam (2) finding the best position for the rod (3).
- Tighten the screw (1) and check the cam is stable in position.

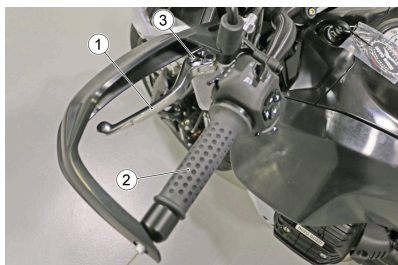
**WARNING**

TO ADJUST THE BRAKE LEVER CLEARANCE, CONTACT AN Official Moto Guzzi Dealer.

Clutch lever adjustment

It is possible to adjust the distance between the end of the lever (1) and the grip (2), turning the adjuster (3).

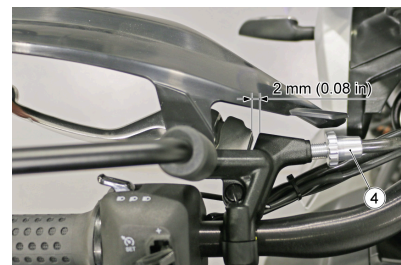
- Push the control lever (1) forwards and turn the adjuster (3) until the lever (1) is at the desired distance.
- Turning the adjuster anticlockwise, the lever (1) gets closer to the grip (2).



- In order to maintain a correct tension and an optimal clutch operation, it is necessary to check and if necessary provide tension to the cable:
- Urban use every 1,000 km (621.37 mi)
- Extra urban use every 5,000 km (3,106.86 mi)
- In any case, every time you detect that the clutch has disengaged before the standard factory setting.

To adjust, do the following:

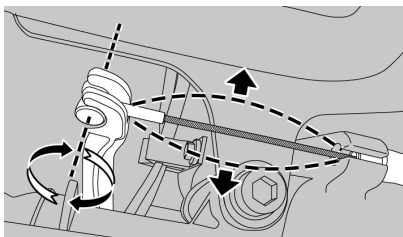
1. Turn the set screw (4) with straight handlebar until the empty travel corresponding to the fixed abutment on the handlebar is 2 mm (0.08 in).



2. Push the clutch control lever on the gearbox housing towards the rear wheel.



3. Pull the clutch control lever placed on the gearbox towards the opposite side (as in point 2) checking that the cable is not tightened.
4. During the previous operation, check that the cable lug turns freely around its axis, regarding the clutch lever.



If after the adjustment in "point 1" it is not possible to ascertain the condition of "point 4", contact an Authorised **Moto Guzzi Dealer** to verify the proper operation of the clutch control.

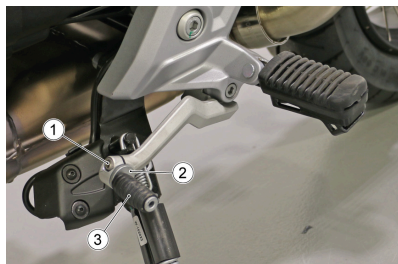
If the adjuster stroke (4) is not sufficient to ensure the required clearance, contact an **Authorised Moto Guzzi Dealer**.

Gear pedal adjustment

The control levers are positioned ergonomically when the vehicle is being assembled.

if necessary, it is possible to customise the position of the levers.

- Rest the vehicle on its stand.
- Partially undo the screw (1).
- Turn the cam (2) finding the best position for the rod (3).
- Tighten the screw (1) and check the cam is stable in position.



WARNING



FOR REMOVAL AND REPLACEMENT OF THE CONTROL PEDAL, CONTACT AN Official Moto Guzzi Dealer.

Running-in

Running in is essential to ensure the durability of the vehicle. During the first 1500 Km (932 mi), observe the following rules to ensure the reliability and performance of the vehicle throughout its lifetime:

- Avoid full throttle starts and hard acceleration;
- Avoid exceeding 4,500 rpm;
- Avoid hard or prolonged braking;
- Do not ride for prolonged periods at sustained high speed; preferably ride the motorcycle on varied routes

with frequent, gentle acceleration and deceleration;

- Ride prudently to gradually gain familiarity with the motorcycle, testing progressively higher throttle apertures only as you gain confidence

ATTENTION THIS VEHICLE IS EQUIPPED WITH A SINGLE DISC DRY CLUTCH. IN CERTAIN CONDITIONS, THE CLUTCH MAY EMIT A SLIGHT AND DISTINCTIVE ODOUR OF CLUTCH MATERIAL. THIS IS NORMAL AND IS NOT INDICATIVE OF A FAULT.

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

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

Engine starter

This vehicle is extremely powerful and must be used carefully and driven with caution and respect for its power and potential.

Do not place objects inside the top fairing (between the handlebar and the instrument cluster), as this may impede the movements of the handlebar and obstruct visibility of the instruments.

CAUTION



EXHAUST FUMES CONTAIN CARBON MONOXIDE, WHICH IS AN EXTREMELY HARMFUL SUBSTANCE IF INHALED. NEVER START THE ENGINE IN ROOMS THAT ARE CLOSED OR NOT WELL-VENTILATED.

CAUTION



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

CAUTION

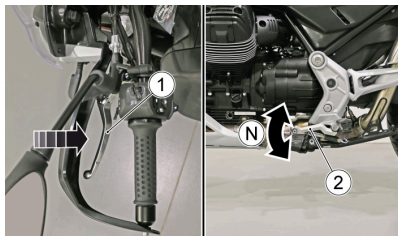


WITH THE SIDE STAND IN THE LOWER POSITION, THE ENGINE CAN ONLY BE STARTED ONLY IF THE GEARBOX

IS IN NEUTRAL. IN THIS CASE, AN ATTEMPT TO DISENGAGE THE GEAR WILL TURN THE ENGINE OFF.

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

- Get on the motorcycle, assuming the correct driving posture.
- Make sure that the side stand has been fully retracted.
- Operate the front or rear brake (or both).
- Operate the clutch lever (1) and make sure that the transmission (2) is in neutral.

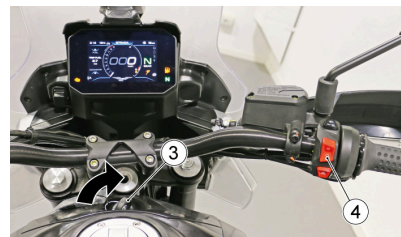


- Turn the ignition key (3) to "ON".

At this stage:

- The starting screen will be displayed on the digital display for about 2 seconds and then the screen with the standard parameters will appear.

- All the indicator lights on the dashboard will come on for about 2 seconds.
- Press the starter button (4) once only.
- With the engine operating normally, all instantaneous parameters will be visible in the digital display.



N.B.:



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

WARNING



INTENSE USE/ON THE TRACK IN RESERVE CAN DAMAGE THE ENGINE.

CAUTION

ON NEW VEHICLES, THE SHIFT LIGHT THRESHOLD IS SET TO 5200 RPM. RAISE THE THRESHOLD GRADUALLY UNTIL YOU HAVE BECOME FAMILIAR WITH THE VEHICLE AND THE RUN-IN HAS BEEN COMPLETED.

WARNING

IF THE GENERAL WARNING INDICATOR LIGHT ON THE DASHBOARD COMES ON, IT MEANS THAT THE CONTROL UNIT HAS ENCOUNTERED A FAULT, THEREFORE IT IS NECESSARY TO CONTACT AN Authorised Moto Guzzi Dealer.

**WARNING**

DO NOT MOVE OFF ABRUPTLY AFTER STARTING THE ENGINE FROM COLD. RIDE AT A LOW SPEED FOR SEVERAL KILOMETERS TO ALLOW THE ENGINE TO WARM UP AND THEREBY LIMIT POLLUTING SUBSTANCE EMISSIONS AND FUEL CONSUMPTION.

Setting off and riding**N.B.:**

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

N.B.:

IF THE LOW GASOLINE WARNING LIGHTS UP ON THE INSTRUMENT

PANEL, REFUEL THE VEHICLE AS SOON AS POSSIBLE.

N.B.:

IF THE MOTORCYCLE TURNS OFF ACCIDENTALLY THE ECU ALLOWS A RESTART WITHIN THE NEXT 5 SECONDS.

ONCE THIS TIME HAS ELAPSED, THE CONTROL UNIT WILL PREVENT A START-UP FOR ANOTHER 3 SECONDS AND ONLY THEN WILL IT BE POSSIBLE TO START THE MOTORCYCLE.

CAUTION

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

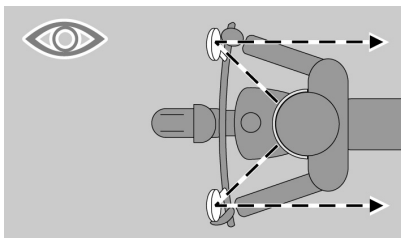
CAUTION

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

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

To start:

- Make sure the gearbox is in neutral gear "N".
- Turn on the engine.
- Adjust the inclination of the rear-view mirrors to ensure proper visibility.



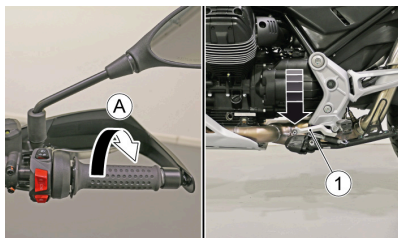
CAUTION



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

REALLY ARE. THESE MIRRORS OFFER A WIDE-ANGLE VIEW AND ONLY EXPERIENCE WILL ALLOW YOU TO JUDGE THE REAL DISTANCE OF THE VEHICLES BEHIND YOU.

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



CAUTION

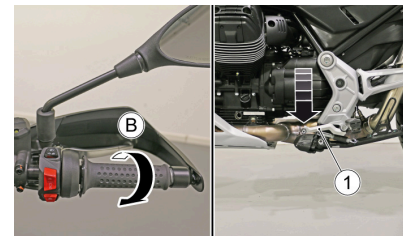


WHEN TURNING OFF THE VEHICLE, DO NOT RELEASE THE CLUTCH TOO QUICKLY OR SUDDENLY, AS THIS COULD CAUSE THE ENGINE TO STOP OR THE VEHICLE TO REAR UP ON THE BACK WHEEL. DO NOT ACCELERATE SUDDENLY WHEN RELEASING THE CLUTCH FOR THE SAME REASON.

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

The vehicle starts moving forward.

- Ride at moderate speed for the first kilometres/miles to allow the engine to warm up.
- Speed up by gradually turning the throttle grip (Pos. B) without exceeding the recommended revs.
- To shift into second gear: Release the throttle grip (Pos. A), operate the clutch lever and lift the gear control lever (1), release the clutch lever and accelerate.
- Repeat the last two operations and engage a higher gear.



CAUTION



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

NOT OPERATE THE THROTTLE GRIP ABRUPTLY.

N.B.:



IT IS RECOMMENDED YOU GO DOWN FROM A HIGHER GEAR TO A LOWER GEAR:

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

CAUTION

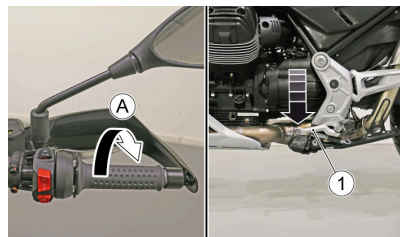


DOWN-SHIFT ONE GEAR AT A TIME; WHEN SHIFTING TO A LOWER GEAR, DOWN-SHIFTING MORE THAN ONE GEAR AT A TIME COULD OVER-REV THE ENGINE; THAT IS, THE MAXIMUM RPM VALUE PERMITTED FOR THE ENGINE COULD BE EXCEEDED.

To slow down:

- Release the throttle grip (Pos. A).

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



WARNING



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

CAUTION



STOP THE VEHICLE MAINLY USING THE FRONT BRAKE.

ONLY USE THE REAR BRAKE TO BALANCE THE BRAKING AND ALWAYS USE IT TOGETHER WITH THE FRONT BRAKE.

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

USING THE ENGINE TO KEEP THE MOTORCYCLE STOPPED COULD CAUSE THE CLUTCH TO OVERHEAT.

PROLONGED AND REPEATED USE OF THE BRAKES CAN CAUSE THEM TO OVERHEAT, CAUSING REDUCED BRAKING EFFICIENCY. WHEN GOING DOWN LONG, STEEP SLOPES, REDUCE SPEED BY MEANS OF REPEATED BUT NOT PROLONGED BRAKE APPLICATION TO AVOID OVERHEATING THE BRAKE SYSTEM. IN THE EVENT OF OVERHEATING HOWEVER, STOP THE VEHICLE AND LET THE BRAKE SYSTEM COOL DOWN.

WHEN DRIVING DOWNHILL, NEVER RIDE WITH THE ENGINE TURNED OFF. WHEN DRIVING ON A WET OR SLIPPERY SURFACE (SNOW, ICE, MUD, ETC..) MAINTAIN A MODERATE

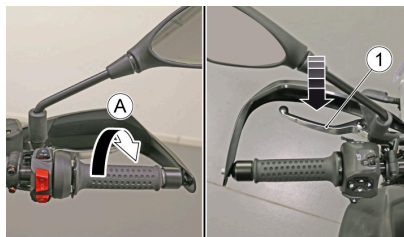
SPEED, DO NOT BRAKE SUDDENLY AND AVOID MANEUVERS THAT COULD CAUSE A LOSS OF TRACTION AND PERHAPS CAUSE YOU TO FALL OR HAVE AN ACCIDENT.

Engine stop

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

Once the speed is reduced, before stopping the vehicle:

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



When the vehicle is at standstill:

- Set the gearshift lever in neutral (icon "N" visible on the digital display and green "N" indicator light lit).
- Release the clutch lever (1).
- Turn the starter key (2) to "OFF".
- While at a temporary halt, keep **at least** one of the vehicle brakes held.



CAUTION



WHENEVER POSSIBLE, AVOID ROUGH BRAKING, SUDDEN DECELERATION AND BRAKING EXCESSIVELY.

It is easy to park anywhere on the road

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

CAUTION



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

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

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

WARNING



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

CAUTION



THE FUEL USED TO PROPEL COMBUSTION ENGINES IS HIGHLY FLAMMABLE AND CAN EXPLODE IN CERTAIN CONDITIONS. IT IS THEREFORE RECOMMENDED TO CARRY OUT REFUELING AND MAINTENANCE PROCEDURES IN A

VENTILATED AREA WITH THE ENGINE SWITCHED OFF. DO NOT SMOKE DURING REFUELING AND NEAR FUEL VAPORS, AVOIDING ANY CONTACT WITH OPEN FLAMES, SPARKS OR OTHER SOURCES WHICH MAY CAUSE THEM TO IGNITE OR EXPLODE.

DISPOSE OF FUEL RESPONSIBLY, ALWAYS ADOPTING THE APPROPRIATE METHODS.

KEEP OUT OF THE REACH OF CHILDREN.

CAUTION



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

Catalytic converter

The vehicle is equipped a silencer with a "platinum - palladium - rhodium three-way" metal catalytic converter.

This device oxidises the CO (carbon monoxide) producing carbon dioxide, and the HC (unburned hydrocarbons) producing water vapour and CO₂ and reduces NO_x (nitrogen oxide) producing oxygen and nitrogen present in the exhaust fumes.

CAUTION



AVOID PARKING YOUR VEHICLE NEAR DRY UNDERGROWTH OR IN AREAS ACCESSIBLE TO CHILDREN, AS THE CATALYTIC CONVERTER REACHES VERY HIGH TEMPERATURES DURING USE; PAY THE UTMOST ATTENTION AND AVOID ANY TYPE OF CONTACT UNTIL IT HAS COMPLETELY COOLED DOWN.

WARNING



DO NOT USE LEADED GASOLINE, AS IT WILL DESTROY THE CATALYTIC CONVERTER.

Vehicle owners are warned that the law may prohibit the following:

- the removal of any device or element belonging to a new vehicle or any other action by anyone leading to render it non-operating, if not for maintenance, repair or replacement reasons, in order to control noise emission before the sale or delivery of the vehicle to the ultimate buyer or while it is used;

- using the vehicle after that device or element has been removed or rendered non-operating.

Check the exhaust silencer and the silencer pipes, ensuring there are no signs of penetrative corrosion and that the exhaust system works properly.

If the noise produced by the exhaust system increases, get immediately in touch with the Dealer or with a Moto Guzzi authorised repair shop.

WARNING



DO NOT TAMPER WITH THE EXHAUST SYSTEM.

Stand

SIDE STAND

WARNING



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

If the stand has been folded up for any manoeuvre (for example, when the vehicle

is in motion), place the vehicle on the stand again as follows:

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

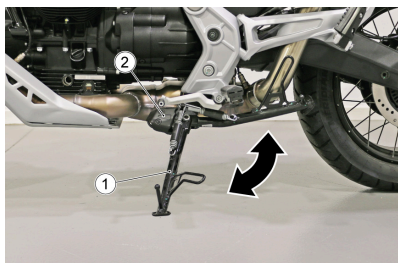


CAUTION



MAKE SURE THE MOTORCYCLE IS STABLE.

A safety switch (2) is installed on the side stand (1) to inhibit ignition or to stop the engine when a gear is engaged and the side stand (1) is lowered.



WARNING



CHECK THAT THERE IS NO DIRT IN THE SWITCH AREA.

IF NECESSARY, CLEAN THE AREA AND CHECK, IN THE INSTRUMENT CLUSTER, THAT THE SIDE STAND DOWN ICON IS LIT.

CAUTION



IF WITH THE STAND DOWN, THE SIDE STAND WARNING ICON REMAINS OFF DESPITE CLEANING, PLEASE CONTACT an Authorised Moto Guzzi Dealer.

theft prevention tips

CAUTION



IF YOU USE A DISC-LOCKING DEVICE, ALWAYS MAKE SURE THAT YOU REMOVE IT BEFORE BEGINNING TO RIDE YOUR VEHICLE. NOT RESPECTING THIS RECOMMENDATION COULD CAUSE SERIOUS DAMAGE TO THE BRAKING SYSTEM, PROVOKING ACCIDENTS, WITH CONSEQUENT SERIOUS INJURY AND EVEN DEATH.

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

SURNAME:

FIRST NAME:

ADDRESS:

TELEPHONE NO.:

N.B.:



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

Safe riding

MAIN SAFETY RULES

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

Make sure you meet all the requirements of the local law, including driver's license, minimum age, adequate preparation, insurance, taxes, vehicle registration, license plate, etc.



As soon as you receive the vehicle, familiarise yourself by practising in areas with low traffic intensity. Avoid driving the vehicle in heavy traffic areas until you have gained a good experience and total safety in riding.

Although this vehicle is approved for use on motorways and ring roads, it is recommended that you do not travel on these roads at high speed until you have become very familiar with the vehicle and have achieved a high degree of skill in use.

A new vehicle must undergo an accurate break-in. Before starting the engine, make sure the brake, clutch, drive and throttle controls are working properly and check that the oil and fuel level is adequate. The exhaust system, brakes and some vehicle components can get very hot while riding. Do not touch these components.

Consumption of certain drugs and medicines, illegal or prescribed, as well as alcohol greatly increases the risk of accidents.

Do not drive while under the influence of alcohol or drugs, whether they are illegal or licensed by a doctor. Make sure that you are in good physical condition before driving your vehicle.



Do not drive in conditions of particular fatigue or tiredness. Alcohol, drugs and fatigue are the main cause of accidents. Many accidents are due to the driver's inexperience.

Do not ride your vehicle until you have received training from a recognized organization such as the Motorcycle Safety Foundation.

Always keep in mind that driving a two-wheeled vehicle, while easy and fun, is very different from driving a car. Not necessarily an experienced car driver is able to safely drive a two-wheeled vehicle.

NEVER lend the vehicle to other people if you are not sure that they are experts and in possession of a driving license. Respect all the rules of the road traffic code. In particular, pay attention to all warning, traffic regulation and information signs.

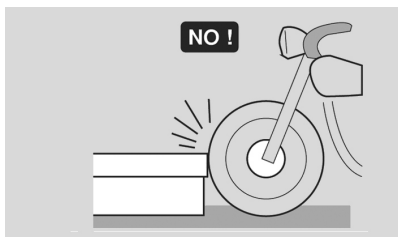
Avoid showing off with dangerous manoeuvres (e.g. rear up). In particular, respect the speed limits and remember that the conditions of the road surface vary according to the weather conditions; wet and icy roads are dangerous especially at high speed.



Car drivers often find it difficult to see two-wheeled vehicles, so always give priority to cars even in cases where according to the road traffic code you would have priority.

Before changing lanes, always check that the road is clear behind you. Do not rely solely on the rear view mirror as it could underestimate the distance and speed of a vehicle or even not see it at all.

Avoid obstacles that could damage the vehicle or lead to loss of control of the vehicle.



Do not drive close to vehicles like trucks or cars, in front of you and do not remain in their lane to increase speed. In the event of an accident, motorcycles, scooters and mopeds do not offer the same level of protection as cars.

Especially the legs are exposed to the risk of injury. The additional installation of leg pads can concretely increase the risk of injury and the severity in the event of an accident.

Do not install leg pads available on the spare parts and accessories market. Failure to follow these instructions can result in serious injury or even death.

Always ride with both hands on the handlebars and feet on the foot pegs.



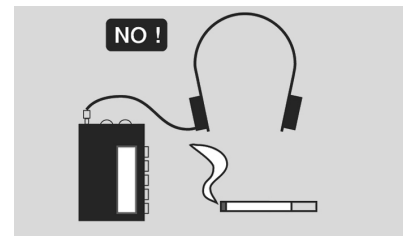
Never change gear without using the clutch if your vehicle is equipped with one. Do not operate the shift lever or other controls abruptly and suddenly.

Misuse of this type could damage the internal components of the vehicle resulting in seizure, loss of control, accidents and serious or even fatal injuries.

Remain seated while driving. Do not stand up or try to stretch yourself while riding the vehicle. If you need to rest, pull over at a safe point on the road.

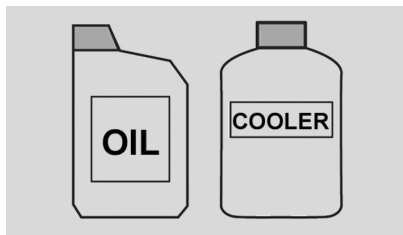
It is very important for your safety to always drive with the utmost attention. Pay attention to your actions, do not be distracted by other vehicles, persons and or things near the road, etc.

Do not smoke, eat, drink, read, etc. while driving the vehicle. If you need to consult a road map, pull over and carry out the operation in complete safety.



Use only the fuels and lubricants specified for the vehicle listed in the **RECOMMENDED PRODUCTS TABLE**;

regularly check the coolant, fuel and oil levels.



If the throttle remains locked, it could result in a collision with another vehicle or a fall. If the throttle remains locked, stop the engine with the engine stop switch located on the right handlebar.

Do not try to restart the engine until the throttle has been repaired and is fully functional. Failure to observe this warning can result in loss of control resulting in serious injury or even death.

CAUTION



IN THE EVENT OF AN EMERGENCY CAUSING THE THROTTLE TO LOCK, ALWAYS STOP THE ENGINE USING THE ENGINE STOP SWITCH LOCATED NEAR THE THROTTLE GRIP.

DO NOT OPERATE THE VEHICLE IF THE THROTTLE DOES NOT AUTOMATICALLY RETURN

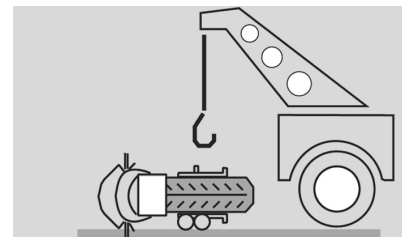
COMPLETELY TO IDLE ONCE THE THROTTLE GRIP IS RELEASED.

FOR REPAIRS, PLEASE CONTACT YOUR LOCAL Moto Guzzi Dealer. FAILURE TO OBSERVE THIS WARNING COULD LEAD TO SERIOUS ACCIDENT WITH CONSEQUENT INJURY OR EVEN DEATH.

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

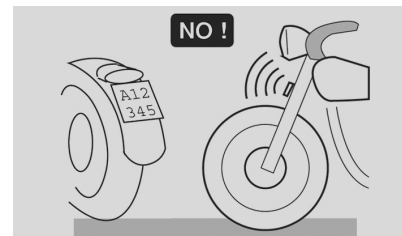
Your **Moto Guzzi** dealer can help you to solve all safety problems under the condition that all mechanical malfunctions are reported to him.

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



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

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



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

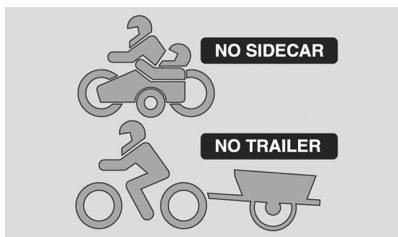
Tampering with the emission and noise control system is prohibited by law and can be severely punished.

For some jurisdictions, vehicle confiscation is also provided.

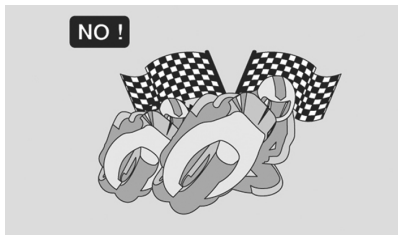


This vehicle is not intended to be equipped with a sidecar or to be used to tow trailers or other vehicles.

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



Never use your vehicle to compete with other vehicles.



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

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

Always travel at an adequate speed and avoid unnecessary sudden acceleration not only for greater safety, but also to reduce

fuel consumption and increase the life of the vehicle.

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

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

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

Slow down and drive carefully on uneven road surfaces.

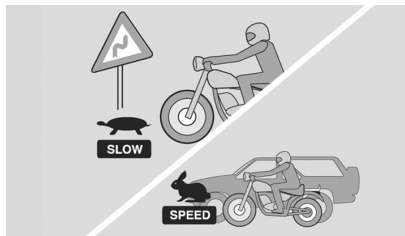


Avoid accelerating by turning the throttle completely except in cases of absolute necessity such as overtaking.

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

engine excessively. Observe the red line on the speedometer.

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



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

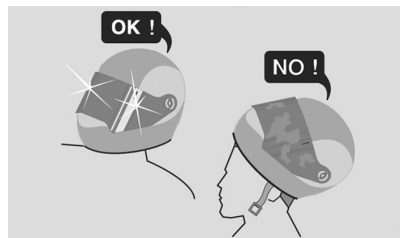
Do not ride the vehicle off-road.

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



CLOTHING

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



Research and experience have shown that drivers of other vehicles often do not see the vehicles or motorcyclists. To make yourself more visible to other drivers, wear reflective clothing such as light-refracting vests or other types of clothing with reflective areas sewn onto the jacket, pants and gloves. Be especially careful of trucks and cars arriving from the oncoming lane as they may turn left right in front of you. Many traffic accidents are caused by a driver on the opposite side

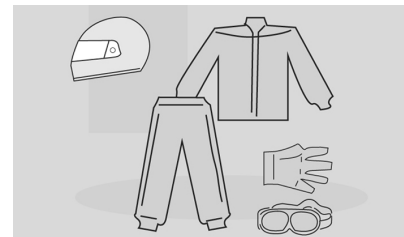
turning left without considering the vehicle in front.

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

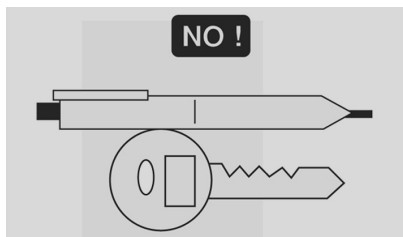
Wear appropriate protective clothes, preferably light-coloured and/or in reflective material. This way you are more visible to other drivers, considerably reducing the risk of being hit and enjoying greater protection in the event of an accident.

Always wear helmet.

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



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



ACCESSORIES

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

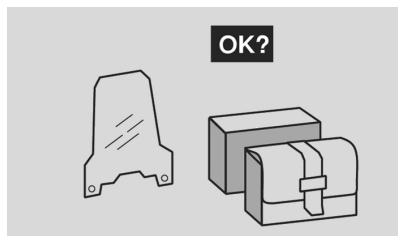
Installing inappropriate accessories or overloading the vehicle could make the vehicle unstable and lead to accidents resulting in serious injury or even death. Windscreens are particularly dangerous in the event of an accident as if they break they could injure or cut the rider. In case of doubt about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

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

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

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

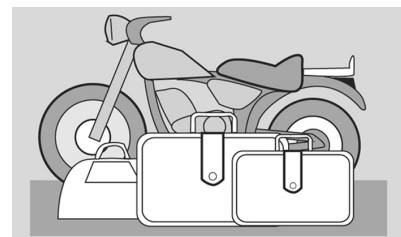
Make sure that everything that is mounted on the vehicle is securely fixed, cannot come off and lock wheels, forks, etc. Do not install electrical accessories and do not modify the vehicle electrical system. Any component that could cause an overload or electrical fault could result in the vehicle being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



LOADING

Do not overload the vehicle.

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



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

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



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

When carrying a passenger, always remember that the vehicle has reduced handling, that the brakes are less effective

and that the centre of gravity is higher and further back.

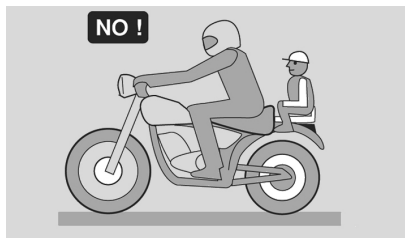
This favours the detachment of the front wheel from the ground especially during acceleration. Therefore, avoid abrupt acceleration and braking. Many accidents are caused by inexperienced riders carrying a passenger. Remember to carry out the riding manoeuvres with greater tolerance in case of excessive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

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

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

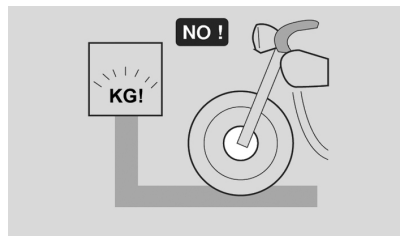
Do not carry luggage that protrudes from the luggage rack or that covers the lights, horn and headlamps.

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



Never exceed the maximum load indicated for each bag.

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

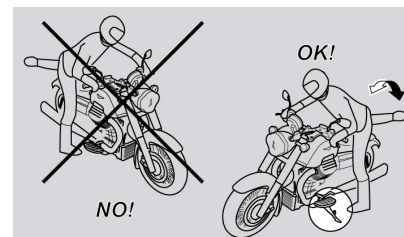


Basic safety rules

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

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

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



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

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

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

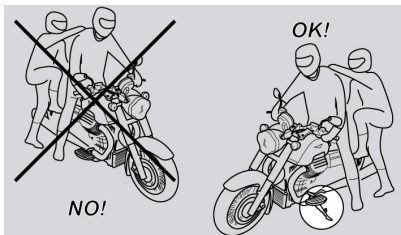
CAUTION



THE RIDER IS ALWAYS THE FIRST TO MOUNT AND THE LAST TO DISMOUNT FROM THE VEHICLE, AND IS RESPONSIBLE FOR CONTROLLING ITS BALANCE AND STABILITY WHILE

THE PASSENGER IS MOUNTING AND DISMOUNTING.

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



CAUTION



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

THE VEHICLE HAS SPECIFIC PASSENGER FOOTRESTS WHICH SHOULD BE USED WHEN MOUNTING AND DISMOUNTING. THE PASSENGER SHOULD ALWAYS USE THE LEFT FOOTREST FOR MOUNTING AND DISMOUNTING FROM THE VEHICLE.

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

CAUTION



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

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

(if applicable)

CAUTION



BEFORE DEPARTURE, MAKE SURE THE SIDE CASES ARE CLOSED

AND PROPERLY ATTACHED TO THE VEHICLE.

THE SIDE CASES MUST NOT BE USED AS A SUPPORT, AND THEIR HANDLES MUST NOT BE USED AS GRIPS BY THE PASSENGER.

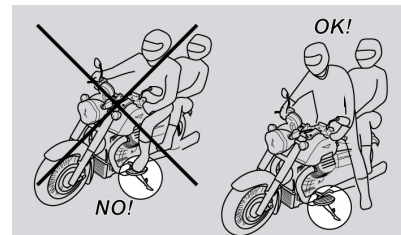
MOUNTING

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

CAUTION



IF YOU ARE NOT ABLE TO REST BOTH FEET ON THE GROUND, PUT YOUR RIGHT FOOT DOWN (IF THERE IS ANY IMBALANCE, THE LEFT SIDE IS "PROTECTED" BY THE SIDE STAND) AND KEEP YOUR LEFT FOOT READY TO BE POSITIONED.

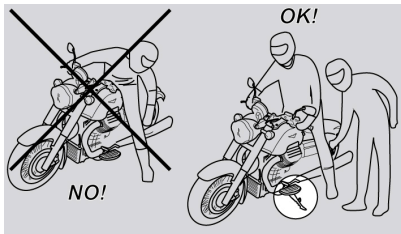


- Place both feet on the ground and straighten the vehicle into the driving position, always maintaining its equilibrium.

CAUTION

THE RIDER MUST NOT OPEN OR TRY TO OPEN THE PASSENGER FOOTRESTS FROM THE RIDER'S SEAT, AS THIS MAY COMPROMISE THE BALANCE AND STABILITY OF THE VEHICLE.

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

**DISMOUNTING**

- Select an appropriate parking spot.

- Stop the vehicle.

CAUTION

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

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

CAUTION

IF YOU ARE NOT ABLE TO REST BOTH FEET ON THE GROUND, PUT YOUR RIGHT FOOT DOWN (IF THERE IS ANY IMBALANCE, THE LEFT SIDE IS "PROTECTED" BY THE SIDE STAND) AND KEEP YOUR LEFT FOOT READY TO BE POSITIONED.

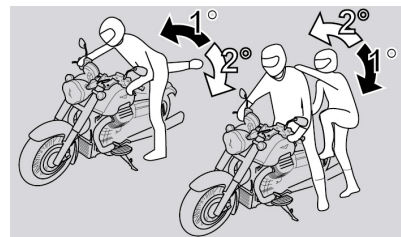
- Place both feet on the ground and keep the vehicle balanced in the driving position.
- Show the passenger how to dismount from the vehicle.

CAUTION

RISK OF FALLING OR OVERTURNING.

MAKE SURE THAT THE PASSENGER GOT OFF THE VEHICLE.

DO NOT PLACE YOUR BODY WEIGHT ON THE SIDE STAND.



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

CAUTION

MAKE SURE THE MOTORCYCLE IS STABLE.

Load

LATERAL CASES (V85TT Travel)

N.B.:



FOR V85TT IT IS NECESSARY TO PURCHASE THE SIDE CASES AND THEIR SUPPORTS, WHICH MUST BE INSTALLED BY AN OFFICIAL Moto Guzzi Dealer.

N.B.:



FOR V85TT Strada IT IS NECESSARY TO PURCHASE THE SIDE CASES, THEIR SUPPORTS AND THE PASSENGER HANDLE / FRAME SUPPORT ACCESSORIES, WHICH MUST BE INSTALLED BY AN OFFICIAL Moto Guzzi Dealer.

WARNING



DO NOT LOAD MORE THAN 5 kg (11 lb) FOR EACH CASE, AS AN EXCESSIVE LOAD COULD DAMAGE IT.

CAUTION



THE MAXIMUM SPEED PERMITTED WITH THE CASES INSTALLED IS 160 km/h (100 MPH).

WARNING



EXCESSED VOLUME INSIDE THE CASE MAY COMPROMISE THE WATERPROOFING OF THE CASE.

CAUTION



BEFORE DEPARTURE, MAKE SURE THE SIDE CASES ARE CLOSED AND PROPERLY ATTACHED TO THE VEHICLE.

THE SIDE CASES MUST NOT BE USED AS A SUPPORT, AND THEIR HANDLES

MUST NOT BE USED AS GRIPS BY THE PASSENGER.

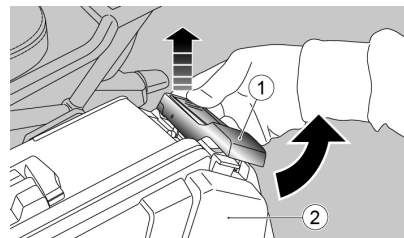
COVER OPENING

N.B.:

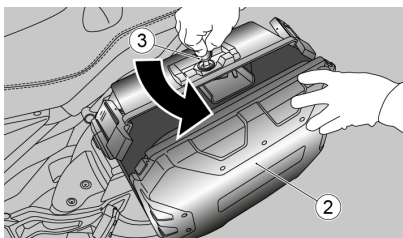


THE FOLLOWING OPERATIONS REFER TO A SINGLE CASE BUT ARE VALID FOR BOTH.

- Lift the closure levers (1) at the rear part and then release them from the cover (2).



- Insert the key (3) in the case lock and turn it anticlockwise to open the cover (2).



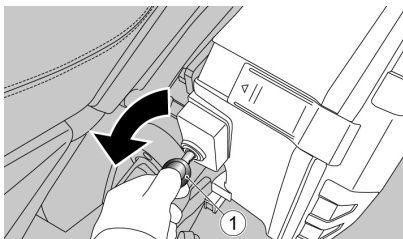
N.B.:



THE KEY USED TO OPEN THE CASES CAN ONLY BE REMOVED WHEN THE LOCK IS CLOSED.

REMOVAL OF SIDE CASES

- Insert the key (1) in the case lock and turn it anticlockwise to release it.

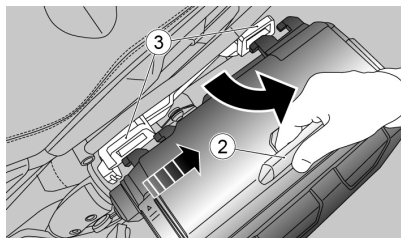


N.B.:



THE KEY USED TO RELEASE AND REMOVE THE CASES CAN ONLY BE REMOVED WHEN THE LOCK IS CLOSED

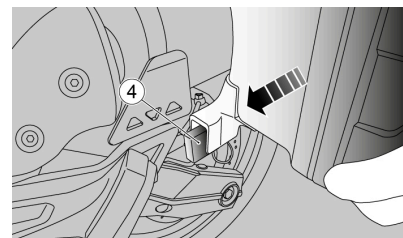
- Grasping the handle (2) pull the case backwards to release it from the supports (3) and then remove it by pulling it out from the supports.



CAUTION



TO REFIT THE CASES, ENSURE THAT THE LOWER PART ALSO CLICKS ON THE SUPPORT (4).



V85TT - V85TT Travel - V85TT Strada



CHAPTER 04 Maintenance

Foreword

In general terms, scheduled maintenance can be carried out by the owner; however, some operations may require specific tools and technical training. For periodic maintenance, servicing or technical advice, contact an **Official Moto Guzzi Dealer** for prompt and accurate service.

N.B.:



THE ELECTRONIC CONTROL SYSTEM OF THIS VEHICLE IDENTIFIES FAULTS IN REAL TIME AND STORES THEM IN ITS MEMORY FOR SUBSEQUENT READING WITH THE DIAGNOSTIC SYSTEM USED BY Authorised Moto Guzzi Dealers.

ANY TIME THE IGNITION SWITCH IS SET TO "ON", THE "GENERAL ALARM" WARNING LIGHT ON THE INSTRUMENT PANEL TURNS ON FOR THREE SECONDS. IF THE WARNING LIGHT TURNS OFF, IT MEANS THAT THERE ARE NO MALFUNCTIONS.

N.B.:



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

Engine oil level

CAUTION



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

CAUTION



USE LATEX GLOVES FOR MAINTENANCE OPERATIONS THAT REQUIRE CONTACT WITH THE USED OIL. THE USE OF ENGINE OIL CAN CAUSE SKIN TUMOURS IF HANDLED FOR A LONG TIME AND DAILY.

CAREFULLY WASH YOUR HANDS WITH WATER AND SOAP AFTER USING USED ENGINE OIL.

KEEP OUT OF THE REACH OF CHILDREN.

DISPOSE OF OIL CORRECTLY.

WARNING



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

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

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

CAUTION



IF A POP-UP APPEARS ON THE DISPLAY WITH THE MESSAGE "ALARM OIL PRESSURE" OR "ALARM OIL SENSOR" AND AT THE SAME TIME THE GENERAL WARNING ICON LIGHTS UP AFTER THE ENGINE HAS BEEN STARTED OR WHILE RIDING, THIS MEANS THAT THE OIL IS NOT BUILDING ENOUGH PRESSURE OR AN OIL PRESSURE SENSOR ANOMALY HAS BEEN DETECTED. IN BOTH CASES, STOP THE ENGINE IMMEDIATELY AND CONTACT AN Official Moto Guzzi Dealer. FAILURE TO FOLLOW THIS WARNING CAN LEAD TO ENGINE SEIZURE, WHICH CAN CAUSE SERIOUS ACCIDENTS, EVEN DEATH.



Checking the engine oil level

Check the engine oil level frequently.

N.B.:



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

WARNING



THE ENGINE OIL LEVEL CHECK MUST BE PERFORMED WHEN THE ENGINE IS WARM.

WARNING



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

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

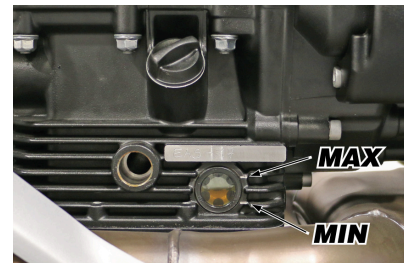
THE ENGINE OIL TO OPERATING TEMPERATURE).

- Shut off the engine.
- Keep the vehicle upright with both wheels on the earth.
- Check the engine oil level through the inspection port on the left side of the crankcase.

MAX (top notch) = maximum level.

MIN (bottom notch) = minimum level

- The oil level is correct when it close to the "MAX" mark.



WARNING



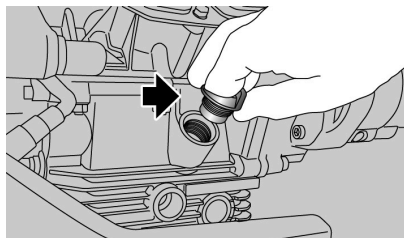
THE OIL LEVEL MUST NEVER DROP BELOW THE MINIMUM MARKING OR EXCEED THE MAXIMUM MARKING; AN OIL LEVEL NOT WITHIN THE MINIMUM

AND MAXIMUM MARKINGS MAY CAUSE SEVERE ENGINE DAMAGE.

Engine oil top-up

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

- Unscrew and remove the filler plug.



WARNING



USE ONLY THE ENGINE OIL INDICATED IN THE TABLE OF RECOMMENDED PRODUCTS.

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

WARNING



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

WARNING



THE OIL LEVEL MUST NEVER DROP BELOW THE MINIMUM MARKING OR EXCEED THE MAXIMUM MARKING; AN OIL LEVEL NOT WITHIN THE MINIMUM AND MAXIMUM MARKINGS MAY CAUSE SEVERE ENGINE DAMAGE.

Engine oil change

WARNING



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

Engine oil filter replacement

WARNING



THE ENGINE OIL FILTER MUST BE CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.

Bevel gear oil level

WARNING



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

Gearbox oil level

WARNING



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

Tyres

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

CAUTION

CHECK TIRE INFLATION PRESSURE REGULARLY AT AMBIENT TEMPERATURE. CHECKING PRESSURE ON HOT TIRES WILL RESULT IN INACCURATE MEASUREMENT. IT IS PARTICULARLY IMPORTANT TO CHECK TIRE PRESSURE BEFORE AND AFTER A LONG JOURNEY. AN OVER-INFLATED TIRE WILL PROVIDE A HARSH RIDE AS SURFACE UNEVENNESS IS NOT CUSHIONED AND IS SENT TO THE HANDLEBAR, THUS REDUCING GRIP AND ROAD HOLDING SPECIALLY WHEN CORNERING.

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

EVENUALLY THE VEHICLE MIGHT SKID IN A BEND.

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

SOME TIRE TYPES APPROVED FOR THIS VEHICLE FEATURE WEAR INDICATORS.

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

CARRY OUT A VISUAL INSPECTION FOR TIRE WEAR AND TEAR, REPLACE TIRES WHEN WORN.

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

ONCE A TIRE HAS BEEN REPAIRED, THE WHEELS MUST BE BALANCED.

USE ONLY TIRE SIZES INDICATED BY THE MANUFACTURER. DO NOT FIT TIRES WITH INNER TUBES ON RIMS FOR TUBELESS TIRES, OR VICE VERSA. CHECK THAT THE INFLATION VALVES HAVE THEIR CAPS FITTED TO AVOID UNEXPECTED FLAT TIRES.

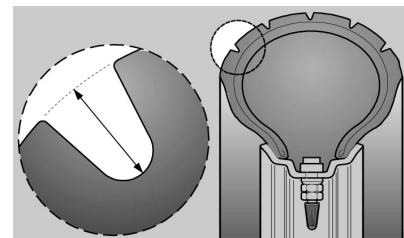
REPLACEMENT, REPAIR, MAINTENANCE AND BALANCING OPERATIONS ARE HIGHLY IMPORTANT AND SO THEY SHOULD BE CARRIED USING THE SPECIFIC TOOLS AND WITH ADEQUATE

EXPERTISE. FOR THIS REASON, YOU ARE ADVISED TO HAVE THESE TASKS CARRIED OUT BY AN OFFICIAL DEALER OR A TIRE SPECIALIST.

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

Minimum tread depth:

front and rear 2 mm (0.079 in) (USA 3 mm (USA 0.118 in) and anyway not lower to what it is specified in the current legislation in the country in which the vehicle is used.

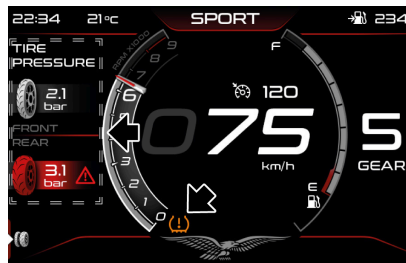
**(if applicable)**

The vehicle is equipped with TPMS sensors (Tyre Pressure Measurement System) located on the inside of the rims near the inflation valves; they communicate the tyre pressure to the digital display via radio frequency.

A screen can be viewed on the digital display where the reference values and any

warning signals (if active) are constantly visible.

Possible warnings are accompanied by the fixed lighting of the TPMS icon, visible both in the various driving modes and in the NAVI mode.



When replacing tires, pay close attention to the following information:

- The bead breaking of the tyre must take place at a distance of at least 90° from the inflation valve.
- The positioning of the levers for the removal of the tyre must be at a distance of at least 10 cm (3.93 in) from the inflation valve.

N.B.:



WITH EACH KEY "ON", THE TPMS ICON WILL FLASH UNTIL THE SYSTEM DETECTS A VALID SIGNAL FROM

BOTH SENSORS. THE FLASHING CAN LAST UP TO THREE MINUTES.

Spark plug removal

WARNING



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

Air filter removal

WARNING



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

Brake fluid level check

Front brake fluid check

- Keep the vehicle upright so that the fluid in the reservoir is at the same level as the plug.

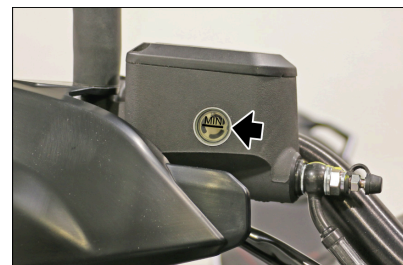
- Make sure that the fluid level in the reservoir is above the **"MIN"** reference mark.

MIN = minimum level

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

- Check the brake pads and discs for wear.

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



WARNING



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

Rear brake fluid check

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

MIN = minimum level

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

- Check the brake pads and disc for wear.

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



WARNING



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

Topping up brake fluid

WARNING



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

Battery

Charging the battery

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

CAUTION



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

- Switch on the battery charger.

CHARGE MODES

Normal recharge

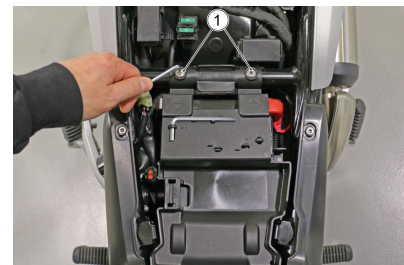
- Electric current: 1,4 A
- Time: 5-10 hours

Quick charge

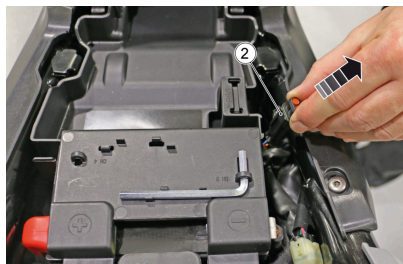
- Electric current: 6 A
- Time: 1 hours

Battery removal

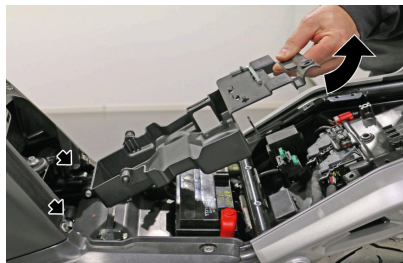
- Ensure that the ignition switch is turned to "KEY OFF"
- Remove the saddle;
- Remove the fixing screws (1) of the storage compartment;



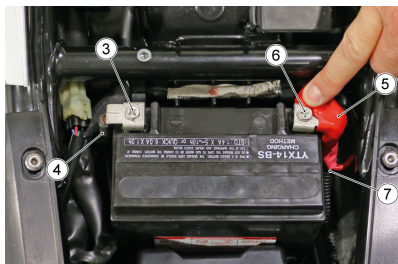
- Disconnect the connector (2) of the second USB port (optional);



- Unhook the storage compartment from the front part and remove it.



- Unscrew and remove the screw (3) from the negative terminal (-).
- Move the negative lead (4) aside.
- Move the protection cap (5), unscrew and remove the screw (6) from the positive terminal (+).
- Move the positive lead (7) aside.
- Grip the battery firmly and remove from its seat.
- Put the battery away on a level surface, in a cool and dry place.



WARNING



CHECK THAT THE CABLE TERMINALS AND BATTERY LEADS ARE:

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

N.B.:



REMOVAL OF THE BATTERY WILL RESET THE DIGITAL CLOCK AND THE TRIP LOG.

CAUTION



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

WARNING



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

Prolonged inactivity

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

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

In winter or when the vehicle is out of use for prolonged periods, check charge level frequently (about once a month) to prevent deterioration.

- Recharge it fully with an ordinary charge.

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

Checking and cleaning terminals and leads

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

Fuses

WARNING



DO NOT ATTEMPT TO REPAIR FAULTY FUSES.

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

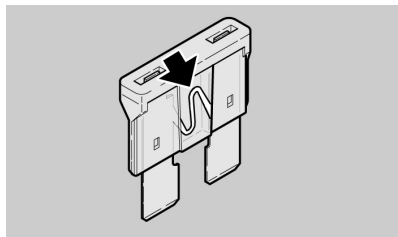
WARNING



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

To check:

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



N.B.

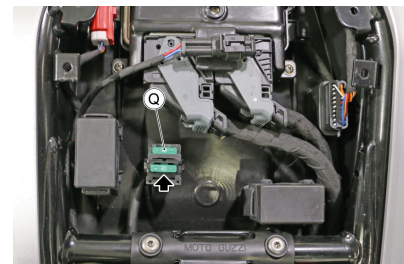


IF THE SPARE FUSE IS USED, REPLACE WITH ONE OF THE SAME TYPE IN THE CORRESPONDING FITTING.



MAIN FUSE

- It is located under the passenger seat, in front of the E.C.U. control unit.
- **If there is a problem with the main fuse, DO NOT replace it, but take your vehicle to an Official Moto Guzzi dealer.**



MAIN FUSE

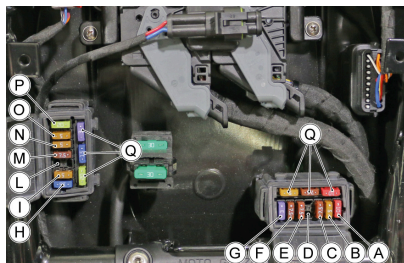
30A fuse

Loads of the entire vehicle.

Q) Spare fuses

SECONDARY FUSES

- They are located under the passenger seat, between the battery and the E.C.U. control unit.



AUXILIARY FUSES (1)

A) 10A fuse	Rear position, horn, licence plate light.
B) 5A fuse	Fog lights live positive lead (if applicable).
C) 7.5A fuse	Positive key-on power for ECU, positive key-on for instrument cluster, positive key-on for ABS, positive key-on for right (START) light switch, secondary starter relay, positive key-on for inertial platform,

AUXILIARY FUSES (1)

	positive key-on for TPMS.
D)	Free
E) 7.5A fuse	Positive key-on power for GMP, positive key-on power for OBD2, positive key-on power for anti-theft system.
F) 7.5A fuse	Positive key-on power for headlamp (load).
G) 3A fuse	USB 1 and USB 2 key-on positive (if provided).
Q) Spare fuses	

AUXILIARY FUSES (2)

H) 15A fuse	Power feed: Fan relay, ECU, fuel pump relay, RH and LH lambda probe, RH and LH injector, RH and LH coils, secondary air valve, PURGE valve.
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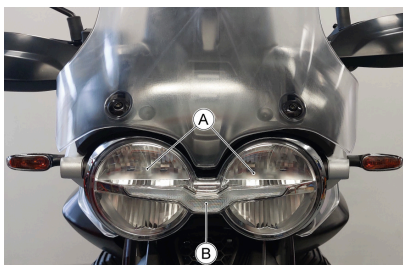
AUXILIARY FUSES (2)

I) 5A fuse	Power feed: anti-theft device provision, OBD2.
L)	Free
M) fuse of 7.5A	ECU permanent positive lead
N) fuse of 5A	Power supply: Guzzi MIA, heated seat.
O) 5A fuse	Instrument panel power supply (turn indicators).
P) 20A fuse	ABS power feed.
Q) Spare fuses	

Front light cluster

The headlamp unit uses LED light sources only, and consists of the following modules:

- two low beam/high beam modules (A);
- A DRL / position module (with low beam switched on) (B);



N.B.:



WHEN THE REAR WHEEL EXCEEDS THE SPEED OF 1 km/h (0.62 mph) (EVEN WITH THE ENGINE OFF, AND THE KEY SET TO ON), THE HEADLIGHTS WILL TURN ON AND WILL REMAIN ON FOR 30 SECONDS (FROM THE TIME IN WHICH THE REAR WHEEL STOPS MOVING).

WARNING



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

Headlight adjustment

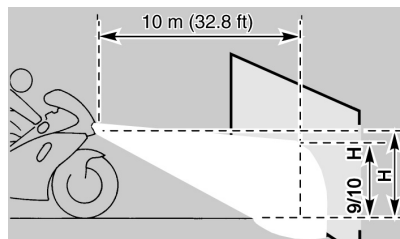
N.B.



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

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

- Place the vehicle 10 m (32.81 ft) away from a vertical wall and make sure the ground is level.
- Turn on the low beam light, sit on the vehicle and check that the light beam projected to the wall is a little below the headlight horizontal straight line (about 9/10 of the total height).

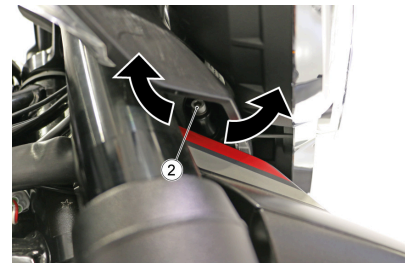


In order to carry out the vertical adjustment of the light beam:

- Stand the motorcycle in a vertical position.
- Slightly loosen the headlamp fixing screws (1) on both sides.



- Slightly loosen the headlamp fixing screw (2), and move the light beam manually to the desired position.
- Once the adjustment is finished tighten all screws.



After adjusting:

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

Front turn indicators

WARNING



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

Rear light assembly

WARNING



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

Rear turn indicators

WARNING



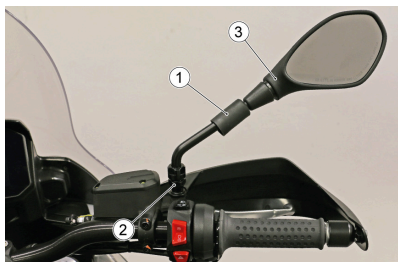
TO REMOVE, CHECK AND REPLACE THE REAR TURN INDICATORS, PLEASE CONTACT AN Authorised Moto Guzzi Dealership.

Rear-view mirrors

Removing the rear-view mirrors:

- Rest the vehicle on its stand.
- Lift the rubber protection (1).
- Unscrew the locking nut (2) while holding the complete mirror (3).
- Slide up and remove the complete rear-view mirror unit (3).

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



CAUTION



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

CAUTION



THE REMOVAL OF THE REARVIEW MIRRORS IS NOT PERMITTED FOR ROAD USE.

Rear-view mirrors adjustment:

CAUTION

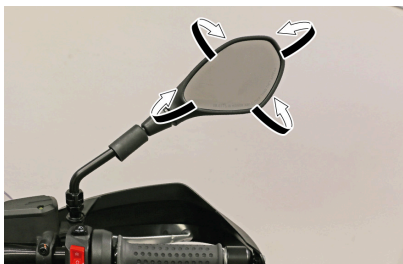


DO NOT RIDE WITH THE REARVIEW MIRRORS IMPROPERLY SET.

ALWAYS MAKE SURE THEY ARE IN THE RIGHT POSITION AND CORRECTLY ADJUSTED BEFORE SETTING OFF.

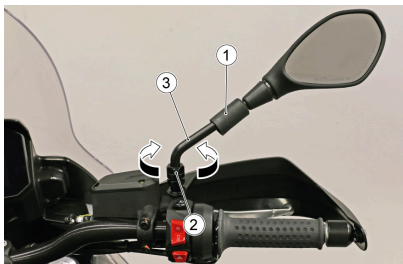
- Get onto the bike in the riding position.
- Make sure there is no dirt or mud on the reflective surface of the mirror.
- Turn the mirror, correctly adjusting the inclination.

Repeat the procedure to adjust the other mirror.



If the support rod is not oriented like the handlebar, proceed as follows:

- Rest the vehicle on its stand.
- Lift the rubber protection (1).
- Loosen the lock nut (2).
- Rotate the rod (3) until it is aligned with the handlebar.
- Tighten the lock nut (2) and put the rubber protection (1) back on.



Front and rear disc brake

CAUTION



A DIRTY DISC SOILS THE PADS, LEADING TO LOSS OF BRAKING.

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

WARNING



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

CAUTION



CHECK THE BRAKE PADS FOR WEAR, ESPECIALLY JUST BEFORE A TRIP.

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

CAUTION



IN CONDITIONS OF HUMID AND WET GROUND, THE PERFORMANCE OF THE BRAKING SYSTEM IS WIDELY REDUCED.

WHEN THE ROAD SURFACE IS WET DUE TO RAIN, YOU SHOULD CHOOSE TO MAINTAIN A DOUBLE SAFETY DISTANCE, ALSO BECAUSE THE TYRE GRIP TO THE GROUND IS EXTREMELY REDUCED. PAY UTMOST ATTENTION TO WATER THAT CAN COME INTO CONTACT WITH THE BRAKES AFTER YOU HAVE WASHED YOUR VEHICLE, OR AFTER PASSING THROUGH PUDDLES ON THE ROAD, AS IT CAN SUFFICIENTLY WET YOUR BRAKING SYSTEM AND THEREFORE CONSIDERABLY REDUCE THEIR PERFORMANCE.

FAILURE TO OBSERVE THIS WARNING CAN LEAD TO SERIOUS ACCIDENTS AND EVEN DEATH.

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

The front braking system is equipped with two discs, one on the right side and the other on the left side of the front wheel. The rear braking system is equipped with a single disc located on the left side of the rear

wheel. The following information may refer to a single braking system but is valid for both braking systems.

CAUTION



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

CAUTION



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

PAY UTMOST ATTENTION TO THE BRAKE DISCS AND THE FRICTION CAPACITY, MAKING SURE THEY ARE NOT DIRTY AND OILY,

ESPECIALLY AFTER MAINTENANCE OR INSPECTION OPERATIONS. CHECK THAT THE BRAKE PIPES ARE NOT GLAZED OR TWISTED, AND THAT THERE IS NO LEAKAGE.

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

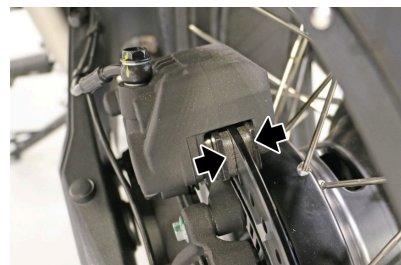
To perform a quick pad wear check:

Rest the vehicle on its stand and carry out a visual inspection of brake disc and pads as follows:

- **For the front brake callipers:** Check the thickness of the friction material on the rear side of each brake calliper.



- **For the rear brake calliper:** Check the thickness of the friction material on the rear side of the brake calliper.

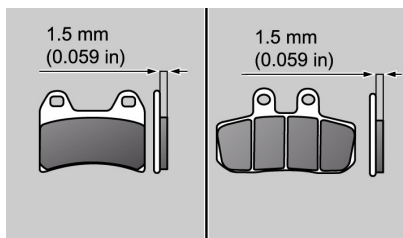


CAUTION



IF THE FRICTION MATERIAL WORE DOWN BEYOND THE LIMIT, THE METAL PAD SUPPORT WOULD COME INTO CONTACT WITH THE DISC AND CAUSE A METALLIC NOISE AND SPARKS FROM THE BRAKE CALIPER. THIS WOULD JEOPARDIZE BRAKING EFFICIENCY, SAFETY AND THE CONDITION OF THE DISC ITSELF.

If the thickness of the friction material (even just one front or rear pad) is reduced to a value of about **1.5 mm (0.059 in)** (or even if just one of the wear indicators is no longer visible), contact an **Official Moto Guzzi Dealer** to replace all the brake pads.

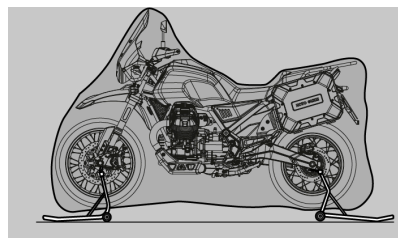


vehicle inactivity

A number of precautionary measures must be taken to prevent the possible consequences of prolonged lack of usage of the vehicle. Besides, it is necessary to carry out general repairs and checks before garaging the motorcycle as one can forget to do so afterwards.

Proceed as follows:

- Remove the battery.
- Wash and dry the motorcycle.
- Apply wax polish to painted and chromed surfaces.
- Inflate the tyres.
- Store the motorcycle in a cool, dry place, not exposed to sun rays and with minimum temperature variations.
- Wrap and tie a plastic bag around the exhaust pipe opening to keep moisture out.



WARNING



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

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

CAUTION



TO AVOID BATTERY DETERIORATION, FOLLOW THE RECOMMENDED STEPS FOR PROLONGED NON-USE.

AFTER STORAGE

N.B.:



TAKE THE PLASTIC BAGS OFF THE TAILPIPES.

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

N.B.:



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

Vehicle cleaning

Moto Guzzi recommends using quality products for cleaning the vehicle. The use of unsuitable products can damage vehicle components. For cleaning do not use solvents such as "nitro thinner", "cold cleaning agents", or similar fuels, or cleaning products that contain alcohol.

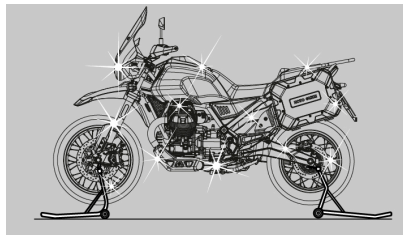
WASHING THE MOTORCYCLE

Moto Guzzi recommends softening with water and then carefully removing the

insects and stubborn stains before washing the vehicle.

To prevent stains, do not wash the motorcycle immediately after exposure to sunlight, and do not wash it in the sun.

If the vehicle is used during the winter months, be sure to frequently wash the motorcycle. To remove anti-icing salt sprayed on roads in the winter, wash the motorcycle with cold water immediately after use.



WARNING



HOT WATER INTENSIFIES THE SALT'S EFFECT. USE ONLY PLENTY OF COLD WATER TO WASH AND REMOVE ANTI-ICING SALT.

WARNING



THE USE OF HIGH PRESSURE WASH SYSTEMS (OR STEAM CLEANERS) CAN DAMAGE THE SEAL GASKETS, THE OIL SEAL, THE BRAKING SYSTEM, THE ELECTRICAL SYSTEM AND THE SEAT. DO NOT USE STEAM OR HIGH PRESSURE WASHING SYSTEMS. DO NOT POINT THE NOZZLE FOR A LONG TIME ON THE STEERING BEARINGS, THE WHEEL BEARINGS, THE INSIDE OF THE REAR WHEEL HUB, THE HYDRAULIC BRAKE CIRCUIT AND ELECTRICAL PARTS.

CLEANING OF SENSITIVE PARTS

BODYWORK

To keep the motorcycle bright, wash it regularly, especially if used in areas with high levels of pollution or mud. Aggressive stains from tree resins, gasoline, oil, brake fluid or bird excrement in general.

must be removed immediately, otherwise permanent stains on the paint can appear. After washing is easy to identify marks and residual stains, remove these from the bodywork using a soft cloth, of a non-abrasive polish brand. Periodic care, a thorough cleaning of the bodywork preserves the aesthetic quality of the motorcycle over the long term.

PLASTIC COMPONENTS

WARNING



IF THE PLASTIC COMPONENTS ARE CLEANED USING AGGRESSIVE AGENTS, THE SURFACE MAY BE DAMAGED. NEVER USE CLEANING PRODUCTS CONTAINING ALCOHOL, SOLVENTS OR ABRASIVES TO CLEAN PLASTIC PARTS. ROTARY BRUSHES OR SPONGES WITH A HARD SURFACE MAY CAUSE SCRATCHES.

FRONT HEADLIGHT

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

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

WARNING



TO CLEAN THE HEADLIGHTS USE A SPONGE SOAKED IN WATER AND MILD DETERGENT, RUBBING THE SURFACE GENTLY AND RINSING

FREQUENTLY WITH PLENTY OF WATER.

DO NOT POLISH MATTE-PAINTED SURFACES WITH POLISHING PASTE.

THE VEHICLE SHOULD NEVER BE WASHED IN DIRECT SUNLIGHT, ESPECIALLY DURING SUMMER, WITH THE BODYWORK STILL HOT, AS THE SHAMPOO CAN DAMAGE THE PAINTWORK IF IT DRIES BEFORE BEING RINSED OFF.

N.B.:



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

THIS CONDITION IS CAUSED BY THE TEMPERATURE DIFFERENCE BETWEEN THE OUTSIDE AND THE INSIDE AND DOES NOT INDICATE A FAULT OF THE FRONT LIGHT ASSEMBLY.

CHROME PARTS AND POLISHED METAL

WARNING



TREAT THE PARTS MADE OF CHROME, ALUMINUM OR POLISHED STEEL IN A SPECIAL MANNER. WASH THEM WITH PLENTY OF WATER AND CAR SHAMPOO, POLISH THEM AND REFRESH PERIODICALLY WITH SPECIAL POLISHING CREAM. PROTECT THEM WITH WAX OR APPROPRIATE ACID-FREE PRODUCTS (E.G. VASELINE).

RUBBER PARTS

Clean the rubber parts using water and mild shampoo (brand-name, suitable for car bodies)

WARNING

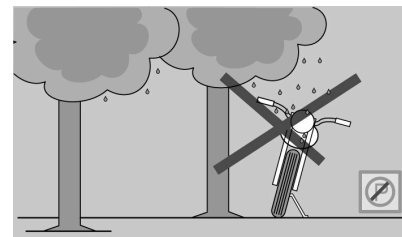


THE USE OF SILICONE SPRAY TO CLEAN THE RUBBER SEALS MAY CAUSE DAMAGE. DO NOT USE ANY OTHER PRODUCTS CONTAINING SILICON TO CLEAN THE MOTORCYCLE.

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

- Air pollution (cities and industrial areas).

- Salinity and humidity in the atmosphere (seashore areas, hot and wet weather).
- Special environmental/seasonal conditions (use of salt, anti-icing chemical products on the roads in winter).
- Always clean off any smog and pollution residue, tar stains, insects, bird droppings, etc. from the bodywork.
- Avoid parking the vehicle under trees. In some seasons, in fact, residues, resins, fruits or leaves may fall from the trees, containing chemicals that are harmful to the paintwork.



WARNING



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

WARNING



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

CAUTION



AFTER WASHING YOUR VEHICLE, BRAKING EFFICIENCY MAY BE TEMPORARILY AFFECTED DUE TO THE PRESENCE OF WATER ON THE FRICTION SURFACES OF THE BRAKING SYSTEM.

TO AVOID ACCIDENTS, DO NOT FORGET THAT BRAKING DISTANCE WILL BE LONGER.

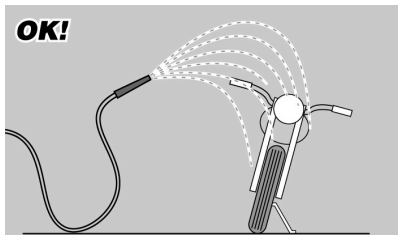
BRAKE REPEATEDLY TO RESTORE NORMAL OPERATION.

PERFORM THE RECOMMENDED PRE-RIDE CHECKS.

To remove dirt and mud accumulated on painted surfaces, wet the soiled areas thoroughly with a low-pressure water jet, then remove dirt and mud with a soft car body sponge soaked abundantly in a solution of car body shampoo in water (2 - 4% shampoo dissolved in water). Then rinse with plenty of water, and dry with a chamois

leather. To clean the engine outer parts, use degreasing detergent, brushes and old cloths. Wash anodised or painted aluminium parts with neutral soap and water. Using aggressive detergents may damage the surface treatment of these components.

OK!



WARNING



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

WARNING



DO NOT USE WATER (OR LIQUIDS) AT A TEMPERATURE HIGHER THAN

40°C (104°F) TO CLEAN THE PLASTIC COMPONENTS OF THE VEHICLE. DO NOT AIM HIGH-PRESSURE AIR OR WATER JETS, OR STEAM JETS. DO NOT CLEAN ANY RUBBER OR PLASTIC SEAT COMPONENTS WITH ALCOHOL OR SOLVENTS; USE WATER AND MILD SOAP ONLY.

WARNING



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

DRY THE SEAT WELL AFTER CLEANING.

USING WAX OR SIMILAR PRODUCTS WILL COMPROMISE THE SAFETY OF THE SEAT.

WARNING



WHEN USING A PRESSURE WASHING SYSTEM (AFTER HAVING CHECKED THAT ANY DETERGENTS ARE COMPATIBLE WITH THE MOTORCYCLE TRIM) KEEP A DISTANCE OF AT LEAST ONE METER.

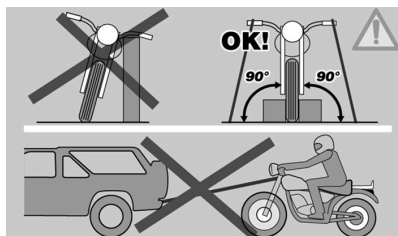
WARNING



IF THE VEHICLE IS USED ON ROADS WHERE SALT HAS BEEN SPREAD, CLEAN IT OFF IMMEDIATELY WITH COLD WATER: SALT IS HIGHLY CORROSIVE.

GASOLINE, OIL, AND COOLANT LEAKS.

IN THE EVENT OF A BREAKDOWN, DO NOT TOW THE VEHICLE; CONTACT A ROAD ASSISTANCE SERVICE WHICH WILL DRAIN OFF THE FLAMMABLE LIQUIDS.



Transport

CAUTION



BEFORE TRANSPORTING THE VEHICLE, THE FUEL TANK MUST BE CAREFULLY DRAINED, CHECKING THAT IT IS DRY.

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

V85TT - V85TT Travel - V85TT Strada



CHAPTER 05 Technical data

Data

DIMENSIONS AND MASS	
Maximum length (V85 TT - V85 TT Travel)	2245 mm (88.39 in)
Maximum length (V85 TT Strada)	2,185 mm (86.02 in)
Maximum width (V85 TT - V85 TT Travel)	955 mm (37.60 in)
Maximum width (V85 TT Strada)	870 mm (34.25 in)
Height (with adjustable windshield) (V85 TT - V85 TT Strada)	1360 - 1420 mm (53.54 - 55.91 in)
Height (with adjustable windshield) (V85 TT Travel)	1410 - 1470 mm (55.51 - 57.87 in)
Wheelbase	1525 mm (60.04 in)
Kerb weight (V85 TT)	230 kg (507.06 in)
Kerb weight (V85 TT Travel)	243 kg (535.72 in)
Kerb weight (V85 TT Strada)	226 kg (498.24 in)

ENGINE		
Type	traverse-mounted twin-cylinder four-stroke V 90°	
Number of cylinders	2	
Engine capacity	853 cc (52.05 cu in)	
Bore / stroke	84x77 mm (3.31x3.03 in)	
Compression ratio	10.5 ± 0.5: 1	
Ignition	Electric	
Idle engine speed	1,250 +/- 100 (rpm)	
Clutch	single disc dry clutch with flexible coupling	
Lubrication system	pressure-fed, controlled by valves and trochoidal pump	
Air filter	cartridge-type filter	dry
Cooling	air	

GEARBOX		
Type	mechanical,	6 speeds with foot lever on the left hand side of the engine
CAPACITY		
Fuel tank capacity (including reserve)	23 +/- 1 l (5.06 +/- 0.22 UK gal; 6.08 +/- 0.26 US gal)	
Fuel tank reserve capacity	5 +/- 0.5 l (1.10 +/- 0.11 UK gal; 1.32 +/- 0.13 US gal)	
Engine oil	Oil change and oil filter replacement: 1760 cm³ (107.40 cu.in)	
Gearbox oil	700 cc (42.72 cu in)	
Bevel gear set oil	180 cm³ (10.98 cu.in)	
Bevel gear oil (in case of replacement)	130 cc (7.93 cu in)	MAX
Seats	2	

CAPACITY	
Maximum carrying load (V85 TT)	462 kg (1018.54 lb) (rider + passenger + luggage)
Maximum carrying load (V85 TT Travel)	462 kg (1018.54 lb) (rider + passenger + luggage)
Maximum carrying load (V85 TT Strada)	462 kg (1018.54 lb) (rider + passenger + luggage)
TRANSMISSION	
Primary drive	with gears, ratio: 18/23 = 1 : 1,277
Gear ratios 1st gear	16 / 39 = 1: 2,437
Gear ratios 2nd gear	18 / 32 = 1: 1,777
Gear ratios 3rd gear	21 / 28 = 1: 1,333
Gear ratios 4th gear	24 / 26 = 1: 1,083
Gear ratios 5th gear	25 / 24 = 1: 0,96

TRANSMISSION	
Gear ratios 6th gear	27 / 24 = 1 : 0,888
Final drive	with shaft, ratio 8 / 33 = 1 : 4,125
FUEL SYSTEM	
Type	Electronic injection (Marelli 11MP)
Diffuser	diam. 52 mm (2.05 in)
Fuel	Unleaded gasoline E10 (95 R.O.N.)
CHASSIS	
Type	high strength tubular steel frame
Steering rake angle	25,7°
Trail	128.3 mm (5.05 in)
SUSPENSION	
Front	Hydraulic telescopic fork.diam. 41 mm (1.61 in) adjustable spring preload and

SUSPENSION	
	hydraulic brake in rebound.
Travel	168 mm (6.61 in)
Rear	Swingarm in die- cast light alloy with 1 shock absorber with adjustable spring pre-loading and hydraulic brake extension.
Travel	102 mm (4.02 in)
BRAKES	
Front	stainless steel floating disc of diameter 320 mm (12.59 in) calliper with 4 counteracting pistons of diameter 32 mm (1.26 in)
Rear	stainless steel disc of diameter 260 mm (10.24 in) floating calliper with two pistons of diameter 22 mm (0.87 in)

WHEEL RIMS		
Type (V85 TT - V85 TT Travel)	alloy, with spokes	
Type (V85 TT Strada)	alloy spoked	monoliths,
Front	2.5" x 19"	
Rear	4.25" x 17"	
TYRES		
Front	110 / 80 R19 59V	
Tyre pressure	2.5 bar (250 kPa) (36.26 PSI)	
Rear	150 / 70 R17 69V	
Tyre pressure	2.8 bar (280 Kpa) (40.61 PSI)	
CAUTION	When using anti-skid wheels it is recommended to decrease the inflation pressure by 0.2 bar (20 Kpa) (2.90 PSI) at the front and 0.3 bar (30 Kpa) (4.35 PSI) at the rear.	

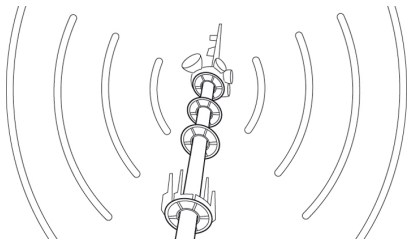
SPARK PLUGS	
Standard	NGK IR MR8BI-8
Spark plug electrode gap	0.8 mm (0.031 in)
Resistance	7.5 KOhm (MAX)
ELECTRICAL SYSTEM	
Battery	12 V – 12 Ah
Fuses	30 - 20 - 15 (3) - 7.5 (4) A
Permanent magnet alternator	12V - 430W
BULBS	
High beam/low beam light	LED
Fog lights	LED
Front DRL	LED
Turn signal lights	LED
Rear running light / brake light	LED
Dashboard lighting	LED

INDICATOR LAMPS	
Gearbox in neutral	LED
High beam headlight	LED
Cruise control warning light	LED
ABS warning light	LED
MI warning light	LED
Turn indicators	LED
Overspeed threshold / gear shift warning lights	LED
Immobilizer warning light	LED
Fuel reserve	LED
MGCT warning light	LED
General alarm	LED
Daytime running lights warning light	LED
Side stand warning light	LED

RED DIRECTIVE 2014/53/EU

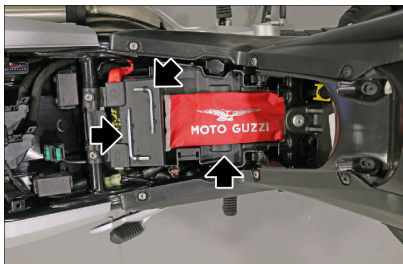
All radio equipment installed by the manufacturer on this vehicle complies with Directive 2014/53/EU (RED directive). The relative homologation documents are available at the following web address:

redhomologation.piaggigroup.com



Toolkit

The vehicle is supplied with a 4 mm Allen key, a 5 mm Allen key and a set of tools for adjusting the suspension, all located in the storage compartment under the seat.



V85TT - V85TT Travel - V85TT Strada



CHAPTER 06 **Spare parts and** **accessories**

Warnings

CAUTION



TO AVOID POSSIBLE ACCIDENTS, TAKE THE GREATEST CARE WHEN RIDING THE VEHICLE WITH ACCESSORIES AND AN ABNORMAL LOAD AS THIS COULD AFFECT THE STABILITY, PERFORMANCE AND SAFETY OF THE VEHICLE.

WARNING



YOU ARE ADVISED TO USE PIAGGIO GROUP ORIGINAL SPARE PARTS, THE ONLY ONES THAT ENSURE THE SAME LEVEL OF QUALITY AS THE PARTS ORIGINALLY FITTED ON THE VEHICLE.

IT SHOULD BE REMEMBERED THAT THE USE OF NON ORIGINAL SPARE PARTS CAUSES YOUR WARRANTY RIGHTS TO EXPIRE.

CAUTION



PIAGGIO GROUP MARKETS ITS OWN LINE OF ACCESSORIES THAT ARE RECOGNIZED AND GUARANTEED FOR USE. TO ENSURE THEIR ACCURATE SELECTION AND INSTALLATION, IT'S ESSENTIAL TO CONTACT A DEALER OR AN AUTHORIZED SERVICE CENTER.

THE USE OF NON-ORIGINAL ACCESSORIES MAY AFFECT THE STABILITY AND OPERATION OF YOUR VEHICLE AND REDUCE SAFETY LEVELS WITH POSSIBLE RISKS FOR THE RIDER.

WARNING



BE EXTREMELY CAREFUL WHEN INSTALLING AND REMOVING THE MECHANICAL ANTI-THEFT DEVICE ON THE VEHICLE (U-SHAPED PADLOCK, DISK LOCK, ETC.).

DUE TO THE PROXIMITY OF THE BRAKE PIPES. TRANSMISSIONS AND/OR ELECTRIC CABLES, AN INCORRECT INSTALLATION OR REMOVAL OF THE ANTI-THEFT DEVICE AS WELL AS LEAVING

IT ON BEFORE STARTING THE VEHICLE CAN SERIOUSLY DAMAGE ITS COMPONENTS AND AFFECT CORRECT FUNCTIONING OF THE VEHICLE AND HARM THE USER.

CAUTION



NEVER OPERATE THE VEHICLE WITH ACCESSORIES (BAGS, TOP BOX AND/OR WINDSHIELD) AT A SPEED HIGHER THAN 160 kph.

THE VEHICLE CAN BE RIDDEN AT A HIGHER SPEED WITHOUT THE ACCESSORIES MENTIONED BEFORE WITHIN THE LIMITS ESTABLISHED BY LAW.

IF THERE ARE ANY NON-ORIGINAL ACCESSORIES INSTALLED, OR AN ABNORMAL LOAD, OR IF THE MOTORCYCLE IS NOT IN A GENERALLY GOOD CONDITION, OR WHENEVER WEATHER CONDITIONS DEMAND IT, SPEED SHOULD BE FURTHER REDUCED.

N.B.:



MOUNTING THE REAR BUCKET
(MAX. LOAD 3Kg) REQUIRES THE
MOUNTING OF THE STEEL SUPPORT
UNDER THE LUGGAGE RACK
(ACCESSORY SUPPORT).

V85TT - V85TT Travel - V85TT Strada



CHAPTER 07 Scheduled maintenance

The value of service

As a result of continuous updates and specific technical training programmes for Moto Guzzi products, only **Moto Guzzi** Official Network mechanics know this vehicle fully and have the specific tools necessary to carry out maintenance and repair operations correctly.

The reliability of the vehicle also depends on its mechanical conditions. Checking the vehicle before riding it, its regular maintenance and the use of original Moto Guzzi spare parts only are essential factors!

For information on the nearest **Official Dealer and/or Service Centre** consult our website:

www.Motoguzzi.com

Scheduled maintenance

Proper maintenance is a crucial factor in prolonging the durability of the vehicle and keeping it in perfect working order.

Scheduled maintenance table

The scheduled maintenance table refers to road use. If the new V85 is used for sports, in difficult conditions and on demanding roads, to correctly monitor the actual engine oil ageing there is an electronic device that registers the engine performance and allows predicting the need for maintenance.

For this purpose, when the maintenance icon (see the image) lights up steadily, you must contact a Moto Guzzi service centre to schedule the specific maintenance intervention. In this regard, we would like to remind you that operating the vehicle with degraded engine oil compromises the reliability of the mechanical organs, resulting in early damage and wear of the components.

To ensure that maintenance is carried out correctly, the constructor has defined the schedule of checks and services (performed at the owner's expense) summarised in the table given in the following page. It is a good idea to report small performance anomalies right away to an **Authorised Service Centre**, without waiting for the next scheduled service, so they can be repaired immediately.

All scheduled maintenance services must be carried out at the prescribed times, even if the specific mileage has not yet been reached. Services must be performed punctually at the correct intervals to maintain the validity of the warranty. For any additional information concerning Warranty procedures and 'Scheduled Maintenance', please consult the 'Warranty Conditions'.



N.B.:



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



Km x 1,000 (mi x 1,000)	1,5 (0.9)	10 (6.2)	20 (12.4)	30 (18.6)	40 (24.9)	50 (31.1)	60 (37.3)	EVERY 12 MONTHS	EVERY 24 MONTHS
Oil filter cover O-ring	R	R	R	R	R	R	R	R	R
Gearbox oil filler plug O-ring				I			I		
Engine oil filler plug O-ring	I	I	I	I	I	I	I	I	I
Fork plug O-ring					I				
Spark plugs		I	I	R	I	I	R		
Steering bearings and steering play	I	I	I	I	I	I	I	I	I
Wheel bearings - Wheels		I	I	I	I	I	I	I	I
Diagnosis by tool	I	I	I	I	I	I	I	I	I
Brake discs - Pads wear (4)	I	I	I	I	I	I	I	I	I
Air filter		R	R	R	R	R	R		
Engine oil filter	R	R	R	R	R	R	R	R	R

7 Scheduled maintenance

Km x 1,000 (mi x 1,000)	1,5 (0.9)	10 (6.2)	20 (12.4)	30 (18.6)	40 (24.9)	50 (31.1)	60 (37.3)	EVERY 12 MONTHS	EVERY 24 MONTHS
Vehicle general operation	I	I	I	I	I	I	I	I	I
Valve clearance	A	A	A	A	A	A	A		
Head cover gasket	I	I	I	I	I	I	I		
Gearbox oil discharge plug aluminium gasket				R			R		
Engine oil discharge plug aluminium gasket	R	R	R	R	R	R	R	R	R
Transmission oil discharge plug gasket				R			R		
Gasket for the engine oil filter fastening screw	R	R	R	R	R	R	R	R	R
Brake systems	I	I	I	I	I	I	I	I	I
Light circuit	I	I	I	I	I	I	I	I	I
Safety switches	I	I	I	I	I	I	I	I	I
Brake fluid	I	I	I	I	I	I	I	I	R
Gearbox oil				R			R		
Fork oil (5)					R				
Engine oil (3)	R	R	R	R	R	R	R	R	R
Final drive oil				R			R		
Headlight aiming		I	I	I	I	I	I		
Fork oil seals (1)		I	I	I		I	I		

Km x 1,000 (mi x 1,000)	1,5 (0.9)	10 (6.2)	20 (12.4)	30 (18.6)	40 (24.9)	50 (31.1)	60 (37.3)	EVERY 12 MONTHS	EVERY 24 MONTHS
Tyres - pressure / wear (2)	I	I	I	I	I	I	I	I	I
Clutch clearance adjustment	A	A	A	A	A	A	A	A	A
Transmission oil filler plug washer				R			R		
Nut/bolt tightness	I	I	I	I	I	I	I		
Suspensions and stability			I		I		I	I	I
Head cover fastening screws dampers	I	I	I	I	I	I	I		
Filter box drain plug		C	C	C	C	C	C	C	C
Brake lines		I	I	I	I	I	I		
Fuel pipes		I	I	I	I	I	I	I	I

Key:

- **I** : CHECK AND CLEAN, ADJUST, LUBRICATE OR REPLACE, IF NECESSARY
- **C**: CLEAN
- **R**: REPLACE
- **A**: ADJUST
- (1) Replace in case of leaks.
- (2) Check every month.
- (3) Check every 500 km (310 mi).
- (4) Check and clean, adjust or replace if necessary every 1,000 km (621 mi).
- (5) Replace at whichever of the following occurs first: 40,000 km (24.855 mi) or 4 years.

Recommended products

Piaggio Group recommends the use of products from its official partner Castrol for the scheduled maintenance of its vehicles. Only use lubricants and fluids which meet or exceed the performance characteristics specified. This also applies when topping up only.



Table of recommended products

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



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