Dear Customer,
Thank you for choosing a Moto Guzzi vehicle.
We have prepared this guide to give you some of the main points and recommendations for using your vehicle. Before you start riding, we recommend that you read the complete version in all its parts, available only in digital form, accessible via the QRcode on the cover or by connecting to the website https://manuals.motoguzzi.com.
We recommend that you keep this guide to facilitate consultation and deliver it to the new Owner in the event of sale, as it constitutes an integral part of the vehicle. Happy reading and enjoy your journey!

Stelvio

MOTO GUZZI®

Ed: 01-05_2023 Cod. 2Q000560; 2Q000560QK (EN)

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

Carbon monoxide

ATTENTION

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

ATTENTION

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

Fuel

ATTENTION

FUEL USED TO DRIVE EXPLOSION ENGINES IS HIGHLY INFLAMMABLE AND CAN BECOME EXPLOSIVE UNDER SPECIFIC CONDITIONS. IT IS THEREFORE RECOMMENDED TO CARRY OUT REFUELLING AND MAINTENANCE PROCEDURES IN A VENTILATED AREA WITH THE ENGINE SWITCHED OFF. DO NOT SMOKE DURING REFUELLING AND NEAR FUEL VAPOURS, AVOIDING ANY CONTACT WITH NAKED FLAMES, SPARKS OR OTHER SOURCES WHICH MAY CAUSE THEM TO IGNITE OR EXPLODE.

DO NOT DISPERSE FUEL IN THE ENVIRONMENT. ALWAYS USE APPROPRIATE DISPOSAL METHODS.

KEEP OUT OF THE REACH OF CHILDREN.

WARNING

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

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 WARNING LIGHTS COME ON DURING NORMAL ENGINE OPERATION, THE ELECTRONIC CONTROL UNIT HAS DETECTED A FAULT.

WARNING

IF THE ALARM OIL PRESSURE LAMP FLASHES DURING NORMAL ENGINE OPERATION, IT MEANS THAT THE OIL PRESSURE IN THE CIRCUIT IS TOO LOW. IN THIS CASE, IT IS MANDATORY TO SWITCH OFF THE ENGINE IMMEDIATELY IN ORDER TO PREVENT 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.

Coolant

Coolant contains ethylene glycol, which may be flammable in certain conditions. Ethylene glycol burns with an invisible flame which may still cause burns.

ATTENTION

TAKE PARTICULAR CARE NOT TO SPILL COOLANT ONTO HOT PARTS OR THE ENGINE AND EXHAUST SYSTEM; THE FLUID MAY IGNITE AND BURN WITH AN INVISIBLE FLAME. WHEN CARRYING OUT MAINTENANCE OPERATIONS, IT IS ADVISABLE TO WEAR LATEX GLOVES. WHILE POISONOUS, COOLANT HAS A SWEET TASTE WHICH MAKES IT EXTREMELY APPEALING TO ANIMALS. NEVER LEAVE COOLANT IN OPEN CONTAINERS WHERE IT MAY BE REACHED AND DRUNK BY AN ANIMAL.

KEEP OUT OF THE REACH OF CHILDREN. NEVER REMOVE THE RADIATOR CAP WHILE THE ENGINE IS STILL HOT.

COOLANT IS UNDER PRESSURE AND MAY CAUSE BURNS.

Used engine oil and transmission oil

ATTENTION

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

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

WASH YOUR HANDS CAREFULLY AFTER HANDLING OIL.

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

DO NOT DISPOSE OF OIL INTO THE ENVIRONMENT.

KEEP OUT OF THE REACH OF CHILDREN.

Brake fluid

ATTENTION

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

ATTENTION

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

KEEP OUT OF THE REACH OF CHILDREN.

BATTERY LIQUID IS CORROSIVE. DO NOT POUR OR SPREAD IT ESPECIALLY ON PLASTIC PARTS. ENSURE THAT THE ELECTROLYTIC ACID IS COMPATIBLE WITH THE BATTERY BEING ACTIVATED.

General precautions and warnings

DANGER OF OVERHEATING

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

- WHEN THE VEHICLE IS STATIONARY, DO NOT UNNECESSARILY RUN THE ENGINE.
- 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 CONNECTORS ON THE VEHICLE MAY BE ACCIDENTALLY SWAPPED, AND MAY COMPROMISE NORMAL VEHICLE OPERATION AND/ OR CAUSE IRREPARABLE DAMAGE TO PARTS OF THE VEHICLE IF INCORRECTLY INSTALLED.

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CHAPTER 02
Vehicle

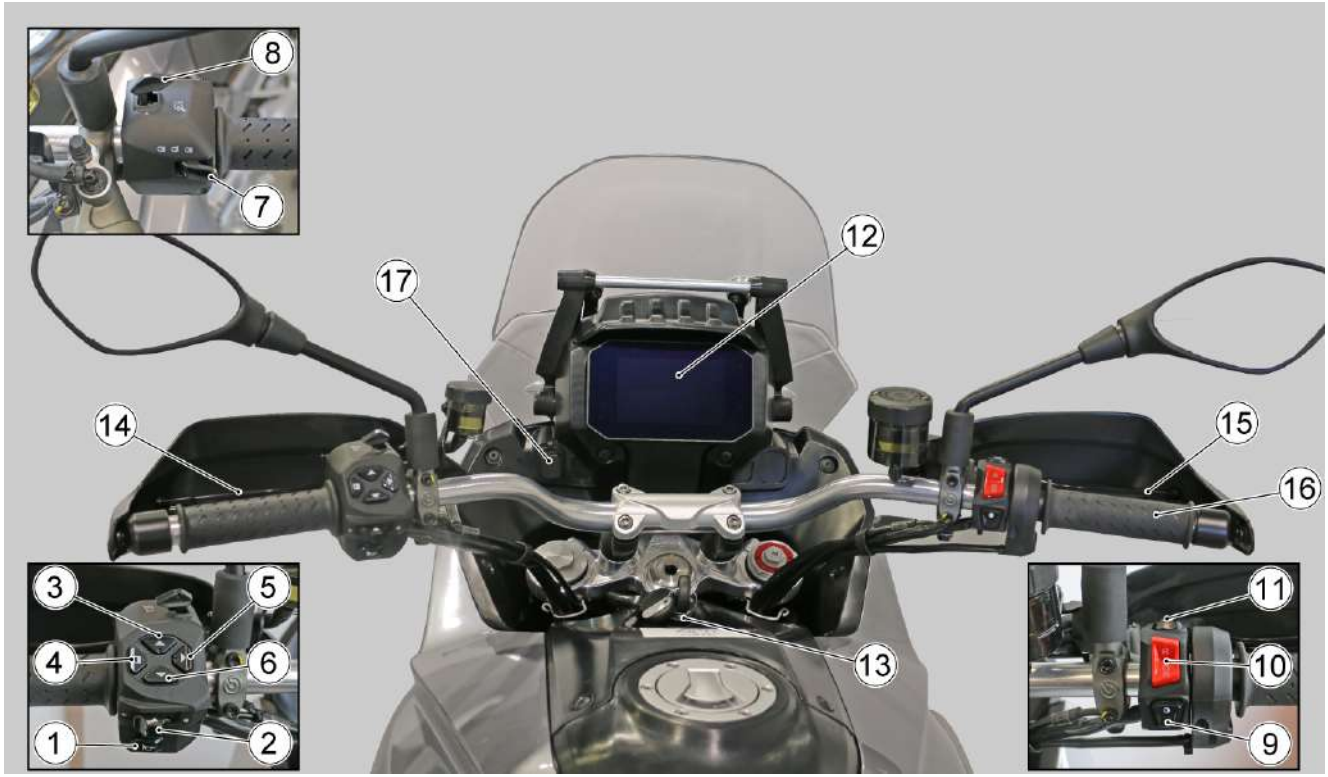
Main components distribution

Key for location of main components

1 . Headlamp
2 . Adjustable windshield
3 . Front left turn indicator
4 . USB port
5 . OBD2 port
6 . Instrument cluster
7 . Left rear-view mirror
8 . Left light switch
9 . Fuel tank cap
10 . Fuel tank

11 . Air filter
12 . Left side fairing
13 . Main fuses
14 . Rider saddle
15 . Passenger saddle
16 . Rear light
17 . Seat lock
18 . Number plate light
19 . Rear left turn indicator
20 . Silencer
21 . Rear brake calliper
22 . Passenger left footrest
23 . Side stand
24 . Left rider footrest
25 . Gear shift lever
26 . Left hand guard
27 . Engine oil load cap with inspection dipstick
28 . Horn
29 . Front left brake calliper
30 . Left hand front brake disc
31 . Left fork stem
32 . Front mudguard
33 . Rear right turn indicator
34 . Secondary fuses
35 . Right side fairing
36 . Throttle control
37 . Right light switch
38 . Right rear-view mirror
39 . Front right turn indicator
40 . RH fork stanchion
41 . Front tone wheel
42 . Front tone wheel sensor
43 . Front right brake calliper
44 . Rear brake oil tank
45 . Rear brake lever
46 . Right rider footrest
47 . Rear shock absorber (adjustable)
48 . Right passenger footrest
49 . Battery
50 . Radiator
51 . Radiator expansion tank
52 . Rear brake disc
53 . Right hand front brake disc
54 . Luggage rack with integrated passenger handles
55 . Right hand guard
56 . Rear shock absorber preload adjustment knob

Instrument cluster



Instrument cluster - Key

1 . Audible warning device;
2 . Turn indicator control;
3 . Up button (MODE UP);
4 . Set button (MODE SET);
5 . Right button (MODE RIGHT);
6 . Down button (MODE DOWN);
7 . Low beam / high beam / flash high beam switch;
8 . Cruise control selector;
9 . Riding mode button;

10 . Engine start / stop switch;

11 . Daytime running lights (DRL) / night lights / additional headlights switch (if applicable);

12 . Instrument cluster and indicators;

13 . Ignition switch / steering lock;

14 . Clutch lever;

15 . Front brake lever;

16 . Throttle grip;

17 . USB port.

Digital instrument cluster

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.

Warning 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.

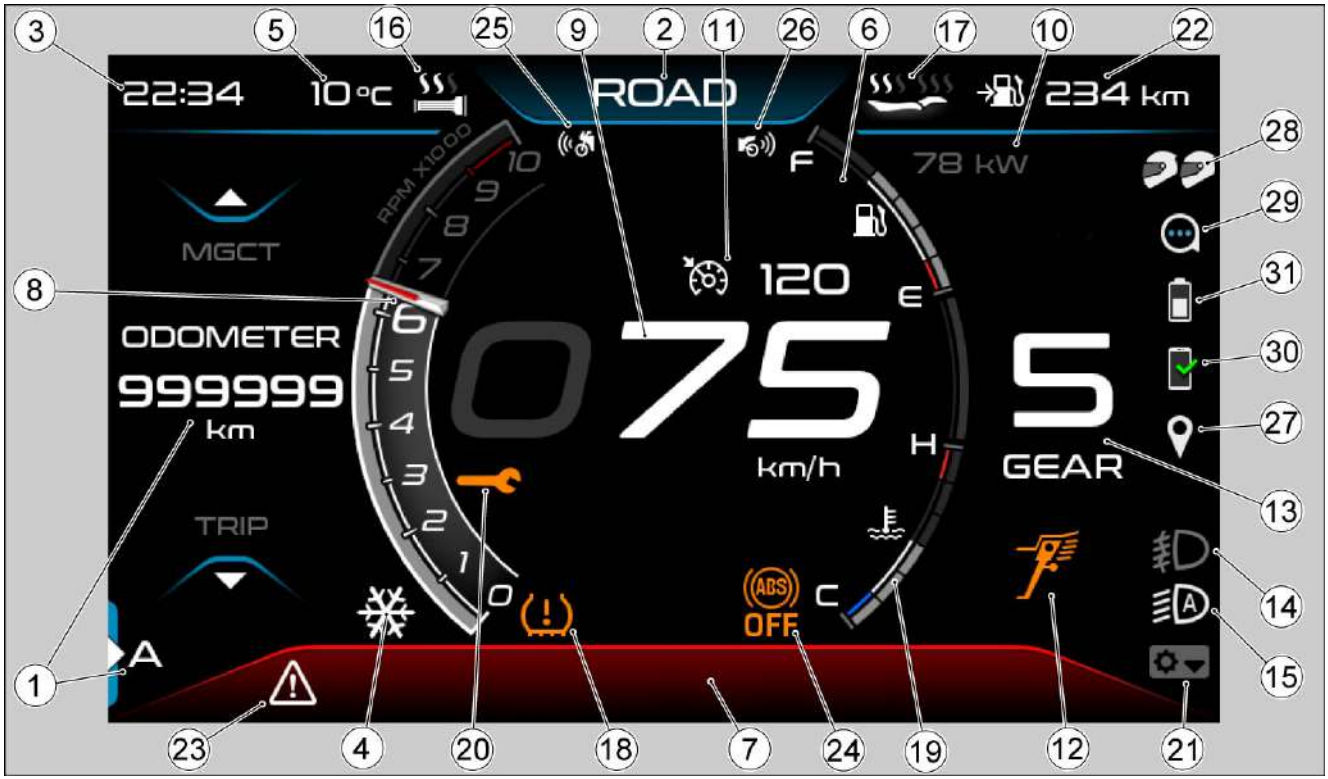
(where available)

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 key

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 (where required);

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 where applicable);

17) Saddle / saddles heating level indicator (displayed where applicable);

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

19) Water temperature indicator;

20) Service icon;

21) Downshift status (displayed where implemented);

22) Driving in reserve (only when the reserve indicator is on) (displayed in km or mi);

23) General warning icon;

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

25) Front radar status icon (displayed where applicable);

26) Rear radar status icon (displayed where applicable);

Where the Guzzi Mia control unit is present:

27) GPS/Navigator (where active);

28) Rider/passenger intercom;

29) Data link with smartphone;

30) Smartphone associated with the instrument cluster;

31) Battery level of the associated 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.

OVERTEMPERATURE WARNING

When the coolant temperature is 115 °F (239 °C) or higher: the temperature icon turns red and flashes together with the coolant temperature gauge.

WARNING

STOP THE VEHICLE AND WAIT FOR THE ENGINE TO COOL.

WARNING

IN ORDER TO PROTECT THE ENGINE, THE ELECTRONIC CONTROL UNIT HAS A STRATEGY WHICH, IF THE COOLANT TEMPERATURE IS PARTICULARLY HIGH, COULD LEAD TO THE ENGINE SHUTTING DOWN AFTER A LONG PERIOD WITH THE VEHICLE STATIONARY AND THE GEARBOX IN NEUTRAL. THIS STRATEGY, FOR SAFETY REASONS, WILL NEVER BE ACTIVATED IF THE VEHICLE IS IN MOTION OR IF THE GEARBOX IS NOT IN NEUTRAL.

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 orange, as does the symbol on the digital display. 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 CAN CHANGE DEPENDING ON THE INCLINATION OF THE MOTORCYCLE, FROM WHEN IT IS POSITIONED ON THE SIDE STAND OR DRIVING ON LONG SLOPES OR LONG DESCENTS.

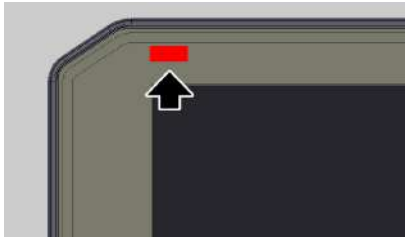
FUEL RANGE

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 cluster or from the ECU, the instrument cluster 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 instrument cluster signals the failure by displaying the message "ALARM SERVICE" along with the general alarm icon.

URGENT SERVICE ALARM

A serious fault is signalled by the flashing of the words "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 FOR 30 SEC. 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 cluster 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 cluster 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 two 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.

ATTENTION

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 instrument cluster 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 instrument cluster will display the alarm "Alarm CAN TMPS 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 vehicle management, displayed as follows in the upper central part of the digital display:

- **SPORT**
- **ROAD**
- **TOUR**
- **RAIN**
- **OFF-ROAD**

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 **TOUR** mode is designed for a touristic use of the vehicle. The engine response is less aggressive, the engine brake and traction control are 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 **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, as shown below.

To cycle through the different riding modes, press the button shown in the figure on the right hand handlebar control set briefly.

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.

To access the Riding Mode setting screen, select the "Riding Mode" page within the Launcher Menu (for more information on the LAUNCHER MENU, see the "Advanced Functions" section).

Once the page has been selected, 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 "Vehicle Electronic Controls" below for the setting values of the various parameters.

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;

MGQS: Moto Guzzi Quick Shift (if applicable);

TPMS: Tire Pressure Measurement System (if applicable) - (see "Tires" section).

ABS

The ABS with CORNERING is a device to avoid the wheels locking in case of emergency braking also when cornering, thus increasing vehicle stability when braking when compared with a traditional braking system.

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

The ABS system improves vehicle control provided that the physical limits of vehicle grip on the road are not exceeded. The rider is fully responsible for riding at a suitable speed based on weather and road conditions, always leaving an appropriate safety margin.

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.

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

At level "1" the ABS is only active on the front wheel, so it is suitable for use by experienced users in low-grip conditions. Once deactivated, 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 ABS system can **only** be deactivated with the vehicle stationary and in the riding mode **OFF-ROAD**, exclusively by prolonged pressure on the riding mode selection button.

With the ABS deactivated, by pressing and holding the Riding mode button or by a "Key OFF" - "Key ON" cycle, the ABS system is reactivated to the level set via the riding mode setting screen.

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 (OFF-ROAD riding mode only).

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

ATTENTION

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

ATTENTION

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.

ATTENTION

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

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

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

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.

ATTENTION

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 ABD ABS INDICATORS ARE SWITCHED ON STEADY. TO REACTIVATE, TURN THE IGNITION SWITCH OFF AND THEN ON AGAIN AND SELECT THE REQUIRED SETTING.

ATTENTION

THE SAFETY PROVIDED BY THE ABS DOES NOT, IN ANY CASE, JUSTIFY RISKY MANOEUVRES. EVEN THOUGH THE ABS SYSTEM ENSURES GREATER VEHICLE CONTROL IN THE EVENT OF EMERGENCY BRAKING, ALWAYS OBSERVE THE CORRECT MINIMUM SAFETY DISTANCE FROM THE VEHICLE IN FRONT OF YOU.

ATTENTION

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.

ATTENTION

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.

WARNING

IF THE DISTANCE OF THE FRONT SENSOR IS NOT INCLUDED IN THE

INTERVAL LISTED BELOW, CONTACT AN Official Moto Guzzi Dealer.

Distance between tone wheel and front sensor 0.3 - 2.00 mm (0.012 - 0.079 in)

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

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.

The MGCT 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 is necessary to access the "Riding Mode" screen of the Main Menu, in 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.

Press the MODE UP or MODE DOWN buttons briefly to increase or decrease the MGCT level setting from "0" (minimum system control) to "4" (maximum system control).

ATTENTION

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

Whether the vehicle is stationary or in motion, using the MGCT/Cruise control command (if the cruise control is not active) it is possible to modify the control value of the MGCT system directly from the main screen, in all riding modes.

The MGCT value is changed (from 0 (OFF) to 4) 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.

N.B

THIS IS ALSO POSSIBLE WITH THE MOTORCYCLE IN MOTION.

ATTENTION

TO GAIN FAMILIARITY WITH THE MGCT SYSTEM, PREFERABLY USE LEVEL "4" TO START WITH, THEN TRY THE OTHER LEVELS TO IDENTIFY WHICH ARE THE BEST SUITED TO YOUR RIDING STYLE AND FOR DIFFERENT ROAD AND WEATHER CONDITIONS.

LEVEL '1' AND 'OFF' ARE SUITABLE FOR EXPERIENCED USERS.

THE OTHER LEVELS INCREASE THE INTERVENTION OF THE MGCT SYSTEM, UP TO THE MAXIMUM INTERVENTION OF LEVEL "4".

ATTENTION

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".

ATTENTION

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 ABD 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.

Distance between tone wheel and front sensor 0.3 - 2.00 mm (0.012 - 0.079 in)

MGQS - Moto Guzzi Quick Shift (if applicable)

It is a system that allows increasing and decreasing gears without acting on the clutch and without changing the position of the accelerator knob. If the system is implemented, the icon shown in the figure will be visible on the dashboard.

The system uses the gear shift sensor signal on the gear lever to shift gears more quickly with a lower decrease in rpm than a traditional gear shift as regards upshifting.

The system is only active above an engine speed:

above 2500 rev/min (rpm) to upshift

above 2000 rev/min (rpm) to downshift.

WARNING

TO UPWARD GEAR WHEN THE ENGINE RPM IS LESS THAN 2500 rpm, OR TO DOWNWARD GEAR WHEN THE ENGINE RPM IS LESS THAN 2000 rpm, USE THE CLUTCH.

N.B

THE SYSTEM IS ACTIVE WHEN SHIFTING UP ONLY WITH THE THROTTLE OPEN.

It can operate when downshifting as long as all the required conditions are met, including an rpm less than the maximum threshold, which varies according to the gear. If the downshifting system is not available temporarily for some reason (e.g. RPM too high, first gear engaged), the instrument panel icon will be orange.

If the icon lights red, it means that the electronic Quick Shift system is disabled due to a problem.

In this case carry out the following operations:

- Stop the vehicle;

- perform key OFF-ON;

- ride the vehicle to a speed above 5 km/h (3.1 mph): the warning light must turn off;

- the MGQS is now functional.

If the MGQS deactivated signal persists, contact an **OFFICIAL MOTO GUZZI DEALER**.

FACTORY SETTINGS TABLE

Riding mode	MGCM	MGCT	ABS
SPORT	1	2	2
ROAD	2	2	2
TOURING	2	3	2
RAIN	3	4	2
OFF-ROAD	1	1	1 / OFF

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

MGCT: LEVEL 4 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" selector on the left-hand light switch is it possible to:

- Increase or decrease the cruise control set speed;
- Within the MGCT function, change the traction control intervention level only if the **CRUISE CONTROL IS NOT ACTIVE**.

The control buttons on the left hand light switch may be used to navigate within the different screens 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 and media content.

The navigation buttons are as follows:

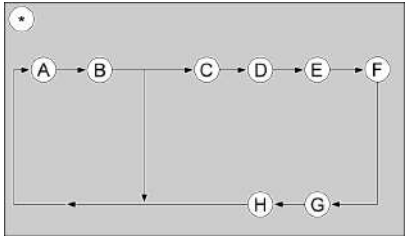
1 . **MODE SET** (select / confirm / press and hold to reset)
2 . **MODE UP** (up)
3 . **MODE DOWN** (down)
4 . **MODE RIGHT** (right)

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.

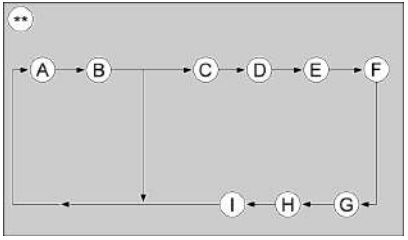
When in ROAD mode (*) only, pressing "MODE RIGHT" briefly repeatedly cycles through the following screens:

- A) Trip log A.
- B) Trip log B.
- C) Heated hand grip info (if applicable)
- D) Heated saddles information (where applicable)
- E) Tyre pressure info (where provided)
- F) Phone information. (if applicable)
- G) Music information. (if applicable)
- H) Multimedia information. (if applicable)



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

- A) Trip log A.
- B) Trip log B.
- C) Heated hand grip info (if applicable)
- D) Heated saddles information (where applicable)
- E) Tyre pressure info (where provided)
- F) Phone information. (if applicable)
- G) Music information. (if applicable)
- H) Multimedia 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".

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

This menu provides information about the heated saddles including the activation status and the heating intensity. The system automatically recognises the presence of one or two heated saddles.

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.

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**"H) Media Information**";
- install the "**Moto Guzzi**" app on your smartphone and access it (can be performed also from the instrument cluster, without using the application);
- pair a bluetooth headset with the "**Guzzi MIA**" system using the "**Moto Guzzi**" app (or from the instrument cluster, without using the application);
- allow sharing of the phonebook and notifications when the smartphone is paired with the "**Guzzi MIA**" system.

After pairing is completed, the corresponding three icons are shown on the digital display.

N.B

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

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

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

- call in progress;
- call ended;
- voice control active;
- incoming call;
- outgoing call;
- call log.

Press and hold the MODE SET button to enable voice commands; for more information on voice commands, please refer to the dedicated section following the section "**H) Media Information**".

Press MODE DOWN or MODE UP briefly 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, press and hold the MODE SET button to allow the call to be made.

Mode selector functions for call management:

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

- End active call: PRESS AND HOLD MODE SET (3)
- Turn up the volume (with call in progress): PRESS MODE UP BRIEFLY (4)
- Turn down the volume (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 incoming call and put current call on hold: PRESS MODE SET BRIEFLY (1)
- Reject incoming call and continue current call: PRESS AND HOLD MODE SET (2)

- Switch between call 1 and call 2 (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 about the current music playback can be 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**"H) Media Information**";
- install the "**Moto Guzzi**" app on your smartphone and access it (can be performed also from the instrument cluster, without using the application);
- pair a bluetooth headset with the "**Guzzi MIA**" system using the "**Moto Guzzi**" app (or from the instrument cluster, without using the application).

After pairing is completed, the corresponding three icons are shown on the digital display.

N.B

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

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

Mode selector functions for music playback management:

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

H) Media information (where provided)

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.

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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 SIGNALLED 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.

PAIRING A BLUETOOTH HEADSET FROM THE APP

Multimedia functions may be accessed using the MODE buttons if a bluetooth headset is paired with the digital display using the "**Moto Guzzi**" app. (This can also be performed from the instrument cluster without using the application). After pairing it will be possible to answer or reject calls, activate voice commands and control the music on the smartphone.

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

Repeat the operation to connect a second bluetooth headset. If the operation is successful, the second helmet icon will also be highlighted in the digital display.

The Bluetooth headset can be paired with the vehicle only via the "Moto Guzzi" application and it must be connected to the vehicle in order to correctly use the multimedia functions of the system. For this reason, the headsets that automatically connects to the smartphone are not compatible (Ex: Apple Airpods).

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.
-

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

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.

INTERCOM AND VOCAL COMMANDS MANAGEMENT

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

WARNING

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

To activate the "INTERPHONE" function, press MODE SET from the "Media information" screen.

A pop-up with the message "INTERPHONE ON" will be shown on the digital display.

The audio volume may now be controlled by pressing and holding MODE UP or MODE DOWN.

Pressing MODE SET briefly again deactivates the connection. The state "INTERPHONE OFF" is now shown on the digital display.

To activate the "VOICE CONTROL" function, which allows the user to access and use functions of their smartphone with voice commands from the headset (e.g. via Siri or Google Assistant), select the function with the MODE UP or MODE DOWN buttons and then press MODE SET briefly.

N.B

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

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

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

" 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.

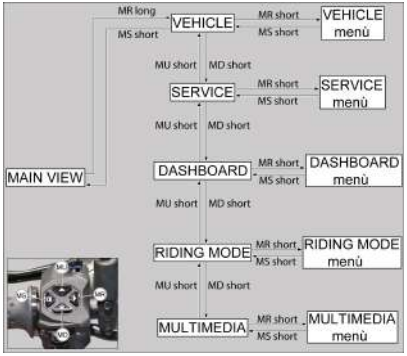
To activate the "MESSAGES" function, press MODE SET from the "Media information" screen briefly.

Then it will be possible to access 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 - **where required**

1) Vehicle

The "Vehicle" menu contains the following options:

1.1) Headlamp mode - **where required**

1.2) Shift light

1.3) MGQS - where required

1.4) Emergency brake (Brake light)

1.5) Calibration

1.6) Front radar - **where required**

1.7) Rear radar - **where required**

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

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

1.1) Headlamp mode - where required

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.

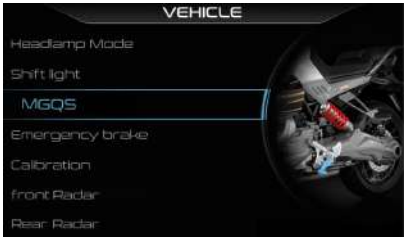
Press MODE SET briefly to exit edit mode.

1.3) MGQS - where required

This function may be used to enable or disable the system that controls gear shifting, in both directions, without acting on the clutch.

The activation status can be changed by briefly pressing the button. The function will be cyclically changed by further pressing the MODE RIGHT button.

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



MGQS ICON KEY:

- White icon = MGQS active
- Grey icon = MGQS disabled by user
- Orange icon = MGQS disabled by system
- Red icon = MGQS system malfunction

1.4) 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.

1.5) 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).

1.6) Front Radar - (where required)

This menu allows to activate or deactivate the front radar and also to activate or deactivate its acoustic signals.

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

Once in the menu, the status of the system can be set by briefly pressing the MODE RIGHT button, which will cycle through the three possible statuses:

Radar disabled (OFF): on the dashboard there will be the icon shown in the figure coloured dark grey.

Radar enabled: on the dashboard there will be the icon shown in the figure coloured white.

Radar enabled with acoustic signals disabled: the radar icon will be added to the sound disabled icon.

If enabled, this function signals the presence of obstacles approaching from the front of the vehicle, either from the right or left, by means of acoustic signals and light signals on the display. In case of an approaching object, with danger of a head-on collision, there will be two alert levels:

Level 1:

The pop-up area will turn red and the words "Forward Collision Warning" will appear, the forward collision icon will appear in the upper area of the dashboard accompanied by an audible warning (if active). If the

distance between the vehicle and the approaching object increases, the warnings will end.

Level 2:

If the distance between the vehicle and the approaching object decreases, the Forward Collision Warning icon will be displayed on a red background in the centre of the dashboard, the pop-up area will turn red and the words "Forward Collision Warning" will appear with the warning triangle to the side accompanied by an acoustic signal (if active). If the distance between the vehicle and the approaching object increases, the warnings will end.

In the event of a front radar malfunction, the pop-up area of the dashboard will turn orange and the words "Front Radar Disabled" will appear with the warning triangle to the side.

1.7) Rear Radar - (where required)

This menu enables or disables the vehicle's rear radar

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

Once in the menu, the status of the system can be set by briefly pressing the MODE RIGHT button, which will cycle through the two possible statuses:

Radar disabled (OFF): on the dashboard there will be the icon shown in the figure coloured dark grey.

Radar enabled: on the dashboard there will be the icon shown in the figure coloured white.

If active, this function signals the presence of obstacles approaching from the rear of the vehicle, both right and left, by means of light signals on the display and on the relative rear-view mirror.

In the event of a rear radar malfunction, the pop-up area of the dashboard will turn orange and the words "Rear Radar Disabled" will appear with the warning triangle to the side.

2) Service

The "Service" menu contains the following options:

2.1) Change user code

2.2) Code recovery

2.3 Windshield

2.4) Application (Firmware version)

2.5) Boot loader (Firmware version)

2.6) HLU application (Firmware version)

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

To access the selected menu, briefly press the MODE RIGHT button, 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.

2.3) Windshield

This function also allows you to set the maximum speed at which the top fairing can be adjusted while riding, differentiating the setting for the two versions:

- SMALL: the top fairing can be adjusted up to a maximum speed of 150 km/h or 93 mph.
- BIG: the top fairing can be adjusted up to a maximum speed of 150 km/h or 93 mph.

ATTENTION

THESE LIMITS MAY BE REDUCED UNDER CERTAIN ENVIRONMENTAL CONDITIONS.

3) Instrument cluster

The "Dashboard" menu contains the following options:

3.1) Backlight

3.2) Clock

3.3) Units

3.4) Language

3.5) Riding modes language

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

To access the selected menu, briefly press the MODE RIGHT button, 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 (12H or 24H display)

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) Language

This function is used to change the instrument cluster 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.

3.5) Riding modes 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) Riding mode (Riding mode) - where required

Each "Riding mode" is composed of the following entries:

MGCM (Moto Guzzi Engine Control)

MGCT (Moto Guzzi Traction Control)

ABS (Anti-Lock System)

This function allows to edit the intervention level of each individual control system associated with the Riding mode selected.

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

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 the available settings, refer to the "**MGCT System**" section.

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

N.B

Intervention RANGE

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

MGCT: OFF - 4 (4 = maximum intervention)

ABS: 1 - 2 (1 = active on front wheel only, 2 = active on both wheels)

5) Multimedia

The "Multimedia" menu consists of the following items:

5.1) Devices status

5.2) Devices pairing

5.3) 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, to return to the main "MENU", briefly press the MODE SET button.

5.1) Devices status

The "Devices status" menu allows to view the list of devices paired to the vehicle instrument cluster.

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

5.2) Devices pairing

The "Devices pairing" menu allows to pair new devices to the vehicle instrument cluster.

Having activated the Bluetooth function on the device to be paired, selecting the "Devices pairing" command from the vehicle menu by briefly pressing the MODE RIGHT button in the multimedia 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 the pop-

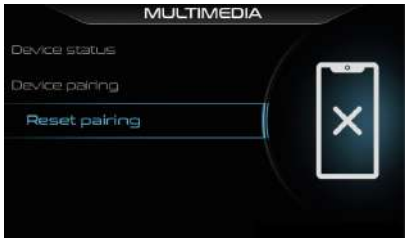
up area displaying the words "PAIRING COMPLETED" if pairing was successful, or "PAIRING ABORTED" if pairing was not successful.

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

5.3) Reset pairing

The "Reset pairing" menu allows to delete and consequently disconnect all paired devices.

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 key

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) Water temperature indicator;

19) Downshift status (where implemented);

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

21) Driving in reserve (only when the reserve indicator is on) (displayed in km or mi);

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

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

24) Service icon;

25) Hand grip heating level indicator (displayed where applicable);

26) Saddle / saddles heating level indicator (displayed where applicable);

27) Reduced power map indication (where required);.

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;

28) Front radar status icon (displayed where applicable);

29) Rear radar status icon (displayed where applicable);.

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 HEADLIGHTS SWITCH ON AUTOMATICALLY AFTER THE ENGINE STARTS.

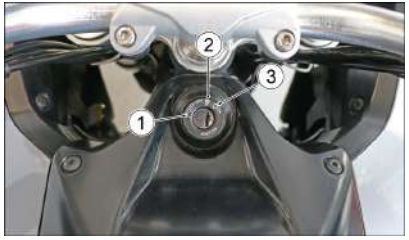
N.B

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

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

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

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



Engaging the steering lock

ATTENTION

TO PREVENT THE LOSS OF CONTROL, NEVER TURN THE KEY TO THE "LOCK" POSITION WHILE THE VEHICLE IS RUNNING.

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 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

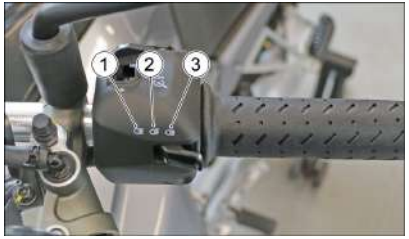
In DRL ON mode (**where required**):

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

When the button is released, the high beam is switched off.

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.

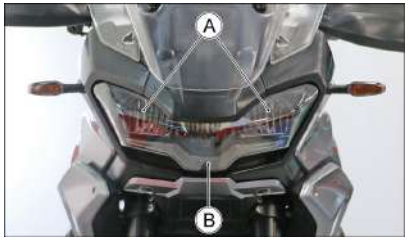
IF THE "HEADLAMP MODE" FUNCTION IS SET TO "EMERGENCY", THE DAYTIME RUNNING LIGHTS (DRL) ARE DISABLED AND THE LOW BEAM HEADLIGHTS ONLY REMAIN PERMANENTLY LIT.

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.

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 of the trip log.

Once the heated knobs page is reached, it is possible to 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**").

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 control

(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 log it is possible to view the page dedicated to setting the heated saddles. If both heated saddles (rider and passenger) are present, the system will automatically recognise them and two separate adjustment pages will appear in the menu.

Once the heated saddles page is reached, it is possible to 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"**).

N.B

THE ACTIVATION, INTENSITY ADJUSTMENT AND DEACTIVATION OF THE SADDLE HEATING ARE INDEPENDENT BETWEEN THE TWO SADDLES.

When the heating of the saddles is activated, the corresponding icons on the dashboard are activated, which also show the selected heating intensity level for each individual saddle.

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

ATTENTION

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

It acts as a safety or emergency switch.

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 ENGINE OFF AND THE IGNITION SWITCH SET TO «ON» THE BATTERY MAY DISCHARGE.

Riding mode button

Press this button briefly to change Riding Mode, selecting one of the five available riding modes by rotation, even while riding.

Only in OFF-ROAD mode and with the vehicle stationary, the Riding mode button allows the ABS to be activated/deactivated by pressing and holding the button. For more information, please refer to the "ABS" section under "Electronic Vehicle Controls".

Cruise Control button

N.B

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

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 instrument cluster.

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

N.B

IF THERE IS AN ANTI-THEFT SYSTEM, IT SHOULD BE UNLOCKED TO ALLOW THE SYSTEM TO BE ACTIVATED.

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;
- Shifting gears;
- 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.)

ATTENTION

WHEN ENTERING THE ADJUSTMENT MODE OF THE CRUISE CONTROL, THE QUICK SHIFT SYSTEM IS DISABLED.

The Immobilizer system

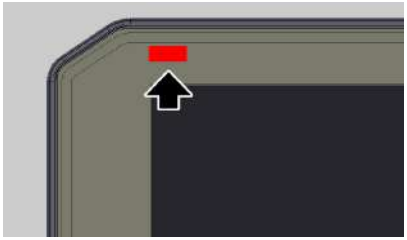
The function of the immobilizer system

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 cluster 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 cluster, 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

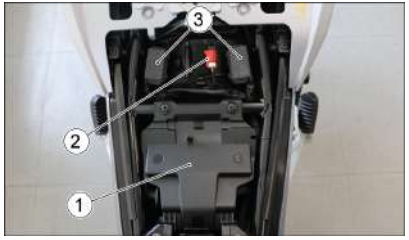
Saddle opening

- Rest the vehicle on its stand.
- Insert the key in the saddle lock located on the left-hand side fairing under the rider saddle.
- Turn the key clockwise to release the passenger saddle from the lock.

- Lift the front part of the passenger saddle and bring it toward the front of the vehicle to remove it.
- Now it is possible to access the storage compartment of the vehicle.

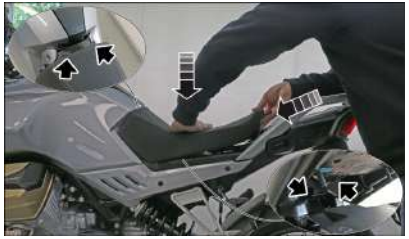
- Lift the rear part of the rider saddle, bring it toward the rear of the vehicle to release it from the relative supports and then remove it from the vehicle.

- Once the passenger and rider saddles have been removed, there is access to the vehicle battery (1), the OBD2 socket (2) and the fuse boxes (3).



Refitting the saddles:

- Move the rider saddle rider in its position, taking care to insert the central fastener, located in front of the battery, and the two front fasteners in the relative seats.



- Insert the rear fastener of the passenger saddle in its support on the tail fairing of the vehicle.

- Keeping the saddle in position, press downward the front part to engage the lock.

WARNING

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

ATTENTION

BEFORE SETTING OFF, MAKE SURE THAT THE SADDLE IS CORRECTLY LOCKED INTO POSITION.

USB port

The vehicle is equipped with a USB socket, located on the left side of the fairing, below the instrument cluster.

To use it, remove the protection cap from the port. To prevent damage to the port, put the protective cap whenever the port is not in use.

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

WARNING

IF A USB DEVICE IS CONNECTED, ENSURE THE CORRECT POSITIONING

OF THE CABLE TO AVOID THAT IT WILL BE SMASHED.

WARNING

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

WARNING

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

USB port	
Output voltage	(5.00+/-0.25) dc
Charge current	1A Max

OBD socket

The vehicle is equipped with an OBD2 (On-Board Diagnostic) port to monitor its correct operation at an **Authorised Service Centre**.

The OBD2 socket is located under the rider's seat, between the fuse boxes

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

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

FRAME NUMBER

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

Chassis No. .....

ENGINE NUMBER

The engine number is stamped on the left side of the crankcase, under the cylinder.

Engine No. .....

Windshield adjustment

The windscreen height can be adjusted electronically by selecting "WINDSCREEN REGULATION" using the "MODE SET" button on the left-hand switch. The height can then be adjusted using the MODE UP and MODE DOWN buttons on the left-hand switch.


22:34
21°c
SPORT
234 km
WINDSCREEN
REGULATION
120
075
km/h
5
GEAR

Stelvio

MOTO GUZZI®

CHAPTER 03
Use

Controls

ATTENTION

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 instrument cluster will turn red and the general warning icon will be displayed.

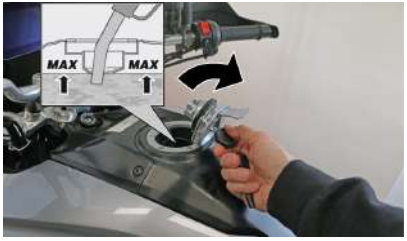
Pre-ride checks	
Front and rear disc brake	Check for proper operation. Check brake lever empty travel and brake fluid level. Check for leaks. Check brake pads for wear. If necessary top-up with brake fluid.
Throttle grip	Check that the rotation is smooth in both directions and that there is no jamming.
Engine oil	Check and/or top-up as required.
Coolant	Check and/or top-up as required.
Wheels/ tyres	Check that tyres are in good conditions. Check inflation pressure, tyre wear and potential damage. Remove any possible strange body that might be stuck in the tread design.
Brake levers	Check they function smoothly. Lubricate the joints and adjust the travel if necessary.
Clutch lever	Check correct operation and empty travel. 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 the front tone wheel for cleanliness and damage.

Refuelling

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 capacity (including reserve) 20,2 +/- 1,5 l (4.44 +/- 0.33 UK gal; 5.34 +/- 0.40 US gal)

Fuel tank reserve 4,5 l (0.99 UK gal; 1.19 US gal)

N.B

NEVER COMPLETELY TOP-UP THE RESERVOIR; THE MAXIMUM FUEL LEVEL MUST REMAIN BELOW THE LOWER EDGE OF THE SUMP (SEE FIGURE).

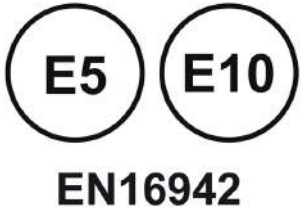
The EN16942 European standard requires the identification of the compatibility of the vehicles with the fuel type by means of a graphic symbol for consumer information. The symbols listed below facilitate the recognition of the correct fuel type to be used on your vehicle. Before refuelling, check the symbols located near the filler neck and compare them with the symbol shown on the filling pump.

E5 : unleaded gasoline with 5% maximum Ethanol percent.

E10 : unleaded gasoline with 10% maximum Ethanol percent.

The label on each pump dispenser shows only one value; if for example it shows E5 it means that the petrol supplied is unleaded, with 5% ethanol.

However, the label on the vehicle may show several values. If, for example, it shows both E5 and E10 values, it means that the vehicle is compatible with gasoline containing maximum 10% Ethanol and thus the Customer may refuel either from a E5 dispenser or from a E10 dispenser (but not from an E85 dispenser).



- Refill.

WARNING

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

ATTENTION

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

ATTENTION

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

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).

ATTENTION

MAKE SURE THE CAP IS TIGHTLY CLOSED.

Adjusting the rear shock absorbers

The V100 Stelvio's rear shock absorber is adjustable in spring preload and hydraulic braking in rebound.

ATTENTION

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

Spring preload is adjusted with an external adjuster (1) located on the left side of the vehicle, under the shock absorber itself.

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).

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.

WARNING

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

ATTENTION

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

Hydraulic braking in rebound is adjusted with the adjuster (2) located on the upper part of the shock absorber.

WARNING

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

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.

ATTENTION

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

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

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 (2) located at the top 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.

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

RECOMMENDED SETTING

RIDER ONLY

- PRE-LOAD (KNOB) - FROM COMPLETELY OPEN (**) CLOSE (*): 1 click
- HYDRAULIC BRAKING (ADJUSTER) - FROM COMPLETELY CLOSED (*) OPEN (**): 125 turns

RIDER + PASSENGER + BAGGAGE

- PRE-LOAD (KNOB) - FROM COMPLETELY OPEN (**) CLOSE (*): 26 clicks
- HYDRAULIC BRAKING (ADJUSTER) - FROM COMPLETELY CLOSED (*) OPEN (**): 0.5 turns

(*) = clockwise

(**) = anticlockwise

ATTENTION

IN CASE OF UNEVEN ROAD SURFACES, WITH THE PRESENCE OF POTHOLES 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.

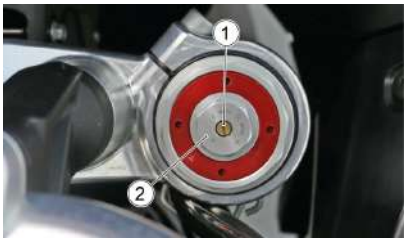
Check the tightness of the fasteners of the components and that the front suspension links function correctly.

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 an upper nut (2) for adjusting the spring pre-load and an upper adjustment screw (1) for adjusting 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.

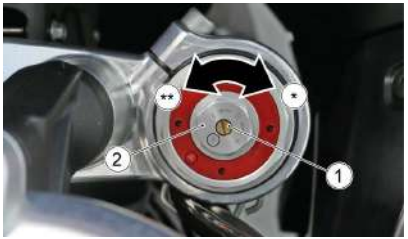
ATTENTION

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

The preload adjustment nut (2) has a marking that matches the marking on the upper cap of the right-hand stanchion. Refer to the markings to count the number of turns of the preload adjustment.



N.B

TO COUNT THE NUMBER OF CLICKS AND/OR REVOLUTIONS OF ADJUSTMENT SETTINGS ALWAYS START FROM THE MOST RIGID SETTING (WHOLE CLOCKWISE ROTATION OF THE ADJUSTER SCREW).

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

RECOMMENDED SETTING

RIDER ONLY

- PRE-LOAD (2) - FROM COMPLETELY OPEN (**) CLOSE (*): 6 turns
- HYDRAULIC BRAKING (1) - FROM COMPLETELY CLOSED (*) OPEN (**): 10 clicks

RIDER + PASSENGER + BAGGAGE

- PRE-LOAD (2) - FROM COMPLETELY OPEN (**) CLOSE (*): 10 turns
- HYDRAULIC BRAKING (1) - FROM COMPLETELY CLOSED (*) OPEN (**): 4 clicks

(*) - Clockwise

(**) - Anticlockwise

ATTENTION

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

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 clockwise moves the lever (1) away from the handle (2).

WARNING

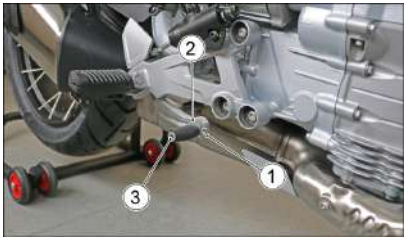
IF THE FRONT BRAKE LEVER MUST BE REMOVED, CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.

Adjusting the rear brake pedal

The gearshift pedals are ergonomically positioned when the vehicle is assembled, however, it is possible to customise the position of the gearshift pedals to best suit the preferences.

To adjust the position of the pedal rod, proceed as described below:

- 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.



WARNING

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

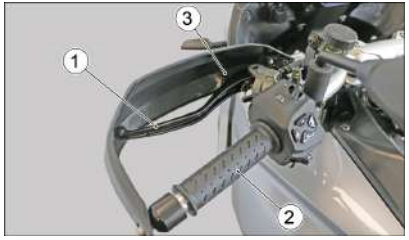
WARNING

FOR REMOVAL AND REPLACEMENT OF THE CONTROL PEDAL, 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 clockwise moves the lever (1) away from the handle (2).



WARNING

CONTACT AN Official Moto Guzzi dealer TO REMOVE AND REPLACE THE CLUTCH LEVER.

WARNING

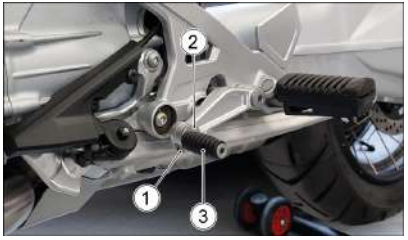
IN THE EVENT FAULTS AND/OR MALFUNCTIONS IN THE CLUTCH CONTROL, CONTACT AN Official Moto Guzzi dealer.

Gear pedal adjustment

The gearshift pedals are ergonomically positioned when the vehicle is assembled, however, it is possible to customise the position of the gearshift pedals to best suit the preferences.

To adjust the position of the pedal rod, proceed as described below:

- 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.



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

N.B

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

ATTENTION

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.

ATTENTION

EXHAUST FUMES CONTAIN CARBON MONOXIDE, AN EXTREMELY HARMFUL SUBSTANCE IF INHALED. NEVER START THE ENGINE IN A CLOSED OR INSUFFICIENTLY VENTILATED SPACE.

ATTENTION

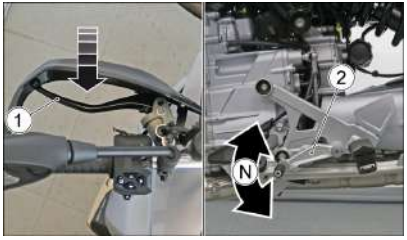
FAILURE TO OBSERVE THIS WARNING COULD LEAD TO UNCONSCIOUSNESS AND EVEN DEATH DUE TO SUFFOCATION.

ATTENTION

WITH THE SIDE STAND LOWERED, THE ENGINE MAY ONLY BE STARTED WITH THE GEARBOX IN NEUTRAL. IF YOU ATTEMPT TO ENGAGE THE GEAR, THE ENGINE WILL STOP.

WITH THE SIDE STAND RETRACTED, THE ENGINE MAY BE STARTED WITH THE GEARBOX IN NEUTRAL OR WITH THE GEAR ENGAGED AND THE CLUTCH LEVER OPERATED.

- 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.

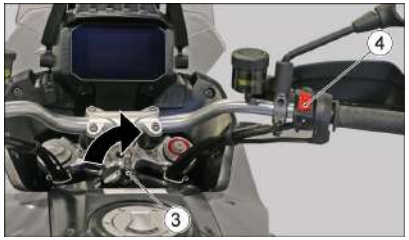


- Turn the ignition key (3) to "ON".

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 instrument cluster 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 FUEL WARNING LIGHT ON THE DASHBOARD TURNS ON, REFUEL THE VEHICLE AT ONCE.

WARNING

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

ATTENTION

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 SET OFF SUDDENLY WHEN THE ENGINE IS COLD. RIDE AT LOW SPEED FOR SEVERAL KILOMETRES. THIS WILL ALLOW THE ENGINE TO WARM UP AND REDUCE POLLUTING 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 FUEL WARNING LIGHT ON THE DASHBOARD TURNS ON, REFUEL THE VEHICLE AT ONCE.

N.B

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

ONCE THIS PERIOD OF TIME HAS PASSED THE ECU WILL PREVENT STARTING FOR ANOTHER 3 SECONDS AND ONLY THEN WILL IT BE POSSIBLE TO START THE MOTORCYCLE.

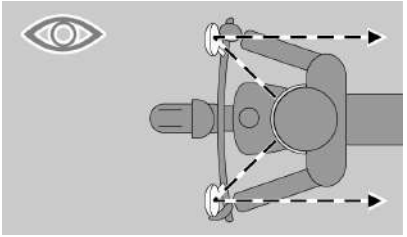
ATTENTION

PASSENGERS MUST BE SUITABLY INSTRUCTED ON HOW TO BEHAVE TO PREVENT DANGEROUS SITUATIONS WHEN RIDING.

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

To start:

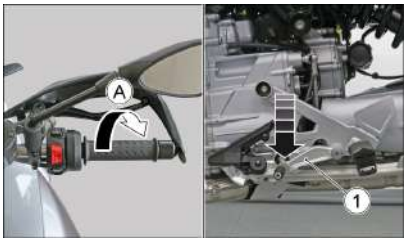
- Turn on the engine.
- Adjust the inclination of the rear-view mirrors to ensure proper visibility.



ATTENTION

WITH THE VEHICLE AT STANDSTILL, PRACTICE USING THE REAR-VIEW MIRRORS. THE MIRRORS ARE CONVEX, SO OBJECTS MAY SEEM FARTHER AWAY THAN THEY REALLY ARE. THESE MIRRORS OFFER A WIDE-ANGLE VIEW AND ONLY EXPERIENCE HELPS YOU JUDGE THE DISTANCE SEPARATING YOU AND THE VEHICLE BEHIND.

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



WARNING

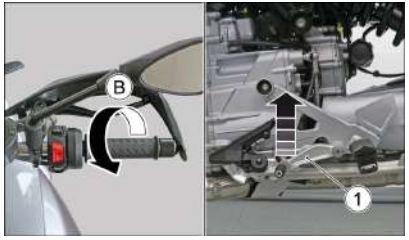
THIS VEHICLE IS EQUIPPED WITH AN ADVANCED TRANSMISSION THAT MAKES IT EASY TO ENGAGE NEUTRAL BETWEEN FIRST AND SECOND GEAR WHEN STATIONARY. DUE TO THE PECULIAR ARCHITECTURE OF THIS TRANSMISSION, IT IS NOT POSSIBLE, AT A STANDSTILL, TO SHIFT INTO ANOTHER GEAR BEYOND THE FIRST GEAR.

ATTENTION

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, operate the clutch lever and lift the gearshift pedal (1), then release the clutch lever and accelerate.
- Repeat the last two steps whenever shifting into higher gears.



ATTENTION

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:

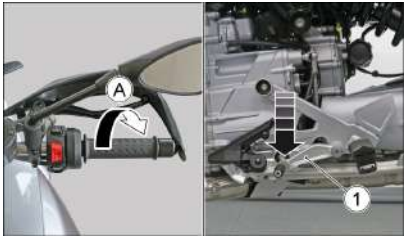
- When riding downhill and under braking, using engine compression to increase braking power.
- When going uphill, when the engaged gear does not suit the speed (high gear, moderate speed) and the number of engine revs falls.

ATTENTION

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 pedal (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.

ATTENTION

STOP THE VEHICLE MAINLY USING THE FRONT BRAKE.

THE REAR BRAKE MUST ONLY BE USED TO BALANCE THE BRAKING EFFECT, AND ONLY 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, RESULTING IN REDUCED BRAKING EFFECTIVENESS. ON LONG, STEEP DESCENTS, TO AVOID OVERHEATING THE BRAKE SYSTEM, REPEATED BUT NOT PROLONGED BRAKE APPLICATION IS RECOMMENDED TO REDUCE SPEED. IN THE EVENT OF OVERHEATING, THE VEHICLE MUST BE STOPPED AND THE BRAKE SYSTEM COOLED.

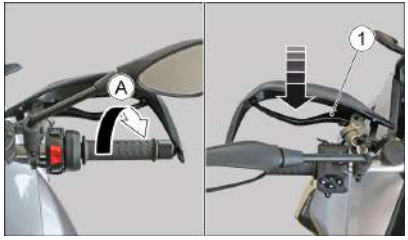
WHEN DRIVING DOWNHILL, NEVER RIDE WITH THE ENGINE TURNED OFF. WHEN RIDING ON WET SURFACES OR SURFACES WITH POOR GRIP (SNOW, ICE, MUD, ETC.) USE MODERATE SPEED, AVOID SUDDEN BRAKING OR MANOEUVRES THAT MAY CAUSE TO A LOSS OF TRACTION AND POSSIBLY TO A FALL OR CRASH.

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

ATTENTION

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

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.

ATTENTION

PARK ON SAFE AND LEVEL GROUND TO PREVENT THE VEHICLE FROM FALLING.

DO NOT LEAN THE VEHICLE AGAINST A WALL OR LAY IT ON THE GROUND.

ENSURE THAT THE VEHICLE AND, IN PARTICULAR, PARTS OF THE VEHICLE WHICH MAY BECOME HOT (ENGINE, OIL RADIATOR AND LINES, EXHAUST SYSTEM, BRAKE DISCS) ARE NOT A HAZARD TO PERSONS OR CHILDREN. DO NOT LEAVE YOUR VEHICLE UNATTENDED WITH THE ENGINE ON OR THE KEY IN THE IGNITION SWITCH.

WARNING

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

ATTENTION

FUEL USED TO DRIVE EXPLOSION ENGINES IS HIGHLY INFLAMMABLE AND CAN BECOME EXPLOSIVE UNDER SPECIFIC CONDITIONS. IT IS THEREFORE RECOMMENDED TO CARRY OUT REFUELLING AND MAINTENANCE PROCEDURES IN A VENTILATED AREA WITH THE ENGINE SWITCHED OFF. DO NOT SMOKE DURING REFUELLING AND NEAR FUEL VAPOURS, AVOIDING ANY CONTACT WITH NAKED FLAMES, SPARKS OR OTHER SOURCES WHICH MAY CAUSE THEM TO IGNITE OR EXPLODE.

DO NOT DISPERSE FUEL IN THE ENVIRONMENT. ALWAYS USE APPROPRIATE DISPOSAL METHODS.

KEEP OUT OF THE REACH OF CHILDREN.

ATTENTION

DO NOT REST THE RIDER OR PASSENGER WEIGHT 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 NOx (nitrogen oxide) producing oxygen and nitrogen present in the exhaust fumes.

ATTENTION

AVOID PARKING THE VEHICLE NEAR DRY BRUSHWOOD OR IN PLACES ACCESSIBLE TO CHILDREN, AS THE CATALYTIC CONVERTER IS VERY HOT WHEN IN USE; THEREFORE, PAY THE UTMOST ATTENTION AND DO NOT TOUCH IT UNTIL IT HAS COMPLETELY COOLED DOWN.

WARNING

DO NOT USE LEADED PETROL AS IT WILL DAMAGE 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.

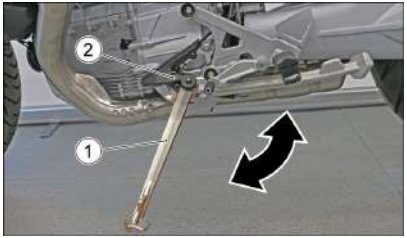
If the stand has been folded up for any manoeuvre (for example, when the vehicle is in motion), place the vehicle on the stand again as follows:

- 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.

ATTENTION

CHECK THE STABILITY OF THE VEHICLE.

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.

ATTENTION

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

theft prevention tips

ATTENTION

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

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

SURNAME: .....

FIRST NAME: .....

ADDRESS: .....

TELEPHONE NO.: .....

N.B

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

Safe riding

Some simple tips are provided below that will enable you to use your motorcycle on a daily basis in greater safety and peace of mind. Your mechanical knowledge and ability are the foundation for safe riding. We recommend trying out the motorcycle in traffic-free zones to familiarise with it.

1. Before riding off, remember to put the helmet on and fasten it correctly.

2. Slow down and drive carefully over bumpy roads.

3. After riding over a long stretch of wet road without using the brakes, braking will not be as efficient the first time/s you use them again. When riding under conditions like this, you should brake periodically.

4. Although the vehicle is equipped with an ABS system, pay attention when braking on wet surfaces, on dirt or on a slippery road surface.

5. Do not start off by getting on the vehicle while it is standing on its stand.

6. If the motorcycle is used on roads covered with sand, mud, snow mixed with salt etc., clean the brake discs frequently with a mild detergent to prevent abrasive particles from accumulating in the disc ventilation holes and causing accelerated brake pad wear.

ATTENTION

TO ALLOW THE QUICK REACHING OF THE PERFECT GRIP OF NEW TYRES AT THE FIRST MILEAGE, IT IS RECOMMENDED A PARTICULARLY CAREFUL GUIDE OF THE MOTORCYCLE, AVOIDING SUDDEN STEERING OR VIOLENT ACCELERATION AND BRAKING.

ATTENTION

ALWAYS RIDE WITHIN YOUR LIMITS. RIDING UNDER THE INFLUENCE OF ALCOHOL OR OTHER DRUGS AND CERTAIN MEDICINES IS EXTREMELY DANGEROUS.

ATTENTION

ANY ELABORATION THAT MODIFIES THE VEHICLE'S PERFORMANCES,

SUCH AS TAMPERING WITH ORIGINAL STRUCTURAL PARTS IS STRICTLY FORBIDDEN BY LAW, AND RENDERS THE MOTORCYCLE NO LONGER CONFORMING TO THE APPROVED TYPE AND DANGEROUS FOR RIDING.

ATTENTION

DO NOT ADJUST THE MIRRORS WHILE RIDING. THIS COULD CAUSE YOU TO LOSE CONTROL OF THE VEHICLE.

ATTENTION

STOP THE VEHICLE MAINLY USING THE FRONT BRAKE.

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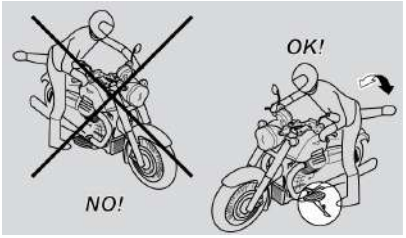
Basic safety rules

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.

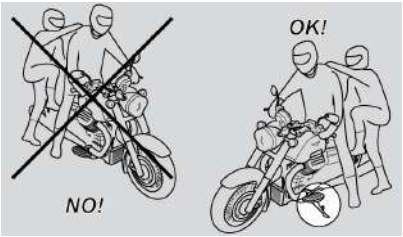
Mounting into driving position, with the side stand in place, is permitted only to prevent the possibility of the vehicle falling or overturn, and does not indicate the possibility for the rider and passenger's weight to be placed on the side stand.

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.

ATTENTION

THE RIDER SHOULD ALWAYS BE THE FIRST TO GET ON AND THE LAST TO GET OFF THE VEHICLE AND SHOULD CONTROL THE STABILITY AND BALANCE OF THE VEHICLE WHEN THE PASSENGER GETS ON AND OFF.

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



ATTENTION

THE RIDER MUST INSTRUCT THE PASSENGER HOW TO GET ON AND OFF THE VEHICLE.

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

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

ATTENTION

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)

ATTENTION

BEFORE STARTING, MAKE SURE THAT THE CASES ARE CLOSED AND CORRECTLY ATTACHED TO THE VEHICLE.

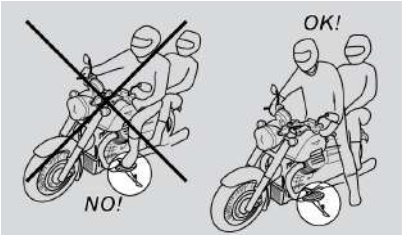
THE CASES SHALL NOT BE USED AS A SUPPORT AND THE HANDLES SHALL NOT BE USED AS ANCHORAGE FOR THE PASSENGER.

MOUNTING

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

ATTENTION

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

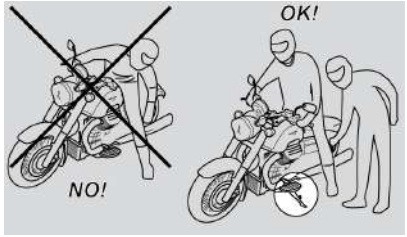


- Place both feet on the ground and straighten the vehicle into the driving position, always maintaining its equilibrium.

ATTENTION

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

ATTENTION

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.

ATTENTION

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

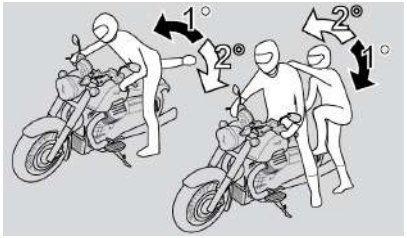
- Place both feet on the ground and keep the vehicle balanced in the driving position.
- Show the passenger how to dismount from the vehicle.

ATTENTION

RISK OF FALLING OR OVERTURNING.

MAKE SURE THE PASSENGER HAS COME DOWN FROM THE VEHICLE.

DO NOT PLACE YOUR WEIGHT UPON THE SIDE STAND.



- Lean the motorcycle until the stand touches the ground.

- Correctly grip the handlebar, and dismount from the vehicle.
- Turn the handlebar completely to the left.
- Place the passenger footrest in its place.

ATTENTION

CHECK THE STABILITY OF THE VEHICLE.

Stelvio

MOTO GUZZI®

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

Checking the engine oil level

Check the engine oil level frequently.

N.B

THE MAINTENANCE INTERVALS PRESCRIBED BY THE SCHEDULED MAINTENANCE TABLE MUST BE CONSIDERED AS A GENERAL GUIDE FOR USING THE VEHICLE IN NORMAL RUNNING CONDITIONS.

IT MAY BE NECESSARY TO REDUCE THE MAINTENANCE INTERVALS UNDER SOME PARTICULAR CONDITIONS. ESPECIALLY WHEN USED IN GEOGRAPHICAL LOCATIONS WITH ADVERSE CLIMATIC CONDITIONS, USE ON UNEVEN GROUND OR SEVERE INDIVIDUAL USE.

WARNING

THE OIL LEVEL MUST BE CHECKED 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 and wait a few seconds;
- Keep the vehicle upright with both wheels on the ground;
- Make sure that the vehicle is on a level surface;
- Unscrew the plug with oil dipstick and remove it from the crankcase;

- Wipe the dipstick clean and put the dipstick and filler cap back into place **without tightening**;
- Remove the cap and dipstick again and check the engine oil level;
- The oil level is correct when it close to the "MAX" mark. Otherwise top off the engine oil.

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

WARNING

IF IT IS NECESSARY TO TOP UP THE ENGINE OIL LEVEL, CONTACT AN official Moto Guzzi dealer.

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.

Tyres

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

ATTENTION

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

HANDLEBAR, THUS REDUCING GRIP AND ROAD HOLDING SPECIALLY WHEN CORNERING.

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

EVENTUALLY THE VEHICLE MIGHT SKID IN A BEND.

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

SOME TYRE TYPES APPROVED FOR THIS VEHICLE FEATURE WEAR INDICATORS.

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

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

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

THE WHEELS MUST BE BALANCED AFTER A TYRE IS MENDED.

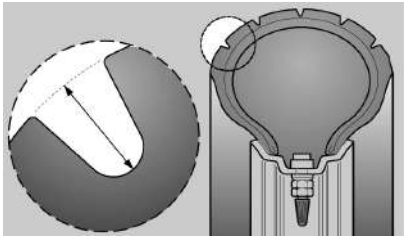
USE ONLY TYRE SIZES INDICATED BY THE MANUFACTURER. DO NOT FIT TYRES WITH INNER TUBES ON RIMS FOR TUBELESS TYRES OR VICE VERSA. CHECK THAT THE INFLATION VALVES HAVE THEIR CAPS FITTED TO AVOID UNEXPECTED FLAT TYRES.

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

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

Minimum tread depth:

front and rear 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.

Coolant level

Do not use the vehicle if the coolant level is below the minimum marking.

ATTENTION

COOLANT IS TOXIC IF INGESTED; CONTACT WITH YOUR EYES OR SKIN MAY CAUSE IRRITATION. IF THE FLUID GETS IN CONTACT WITH THE EYES OR SKIN, RINSE REPEATEDLY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

IF SWALLOWED, INDUCE VOMITING, RINSE THE MOUTH AND THROAT WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE IMMEDIATELY.

ATTENTION

NEVER UNDO THE RADIATOR CAP WHEN THE ENGINE IS WARM, AS THE COOLANT IS PRESSURISED AND VERY HOT. CONTACT WITH SKIN OR CLOTHES MAY CAUSE SEVERE BURNS AND/OR INJURIES.

Checking the coolant

- Shut off the engine and wait until it cools off.
- Keep the vehicle upright with both wheels on a flat surface.
- Looking from right side of the vehicle, behind the front fork, make sure that the fluid level in the expansion tank is between the reference marks (1) "**MAX**" and (2) "**MIN**".
- Top up immediately if the fluid level is below the "**MIN**" level.

Top up coolant

- With the engine stopped and cold, remove the cap from the expansion tank and add coolant to bring the level between the (1) "**MAX**" and (2) "**MIN**" reference marks.

ATTENTION

CARRY OUT THE CHECK AND TOP UP THE REFRIGERANT LIQUID WITH THE ENGINE SWITCHED OFF AND COLD.

WARNING

TO REPLACE THE COOLANT, 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.
- Check that the fluid in the tank is between the marks (1) and (2).

(1): MIN = minimum level

(2): MAX = maximum 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

FLUID LEVEL DECREASES GRADUALLY AS 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.
- Check that the fluid in the tank is between the marks (1) and (2).

(1): MIN = minimum level

(2): MAX = maximum 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

FLUID LEVEL DECREASES GRADUALLY AS BRAKE PADS WEAR DOWN.

Topping up brake fluid

WARNING

FOR THE TOP-UP OF THE BRAKING SYSTEMS COOLANT, CONTACT AN Official Moto Guzzi Dealer.

Clutch fluid level check

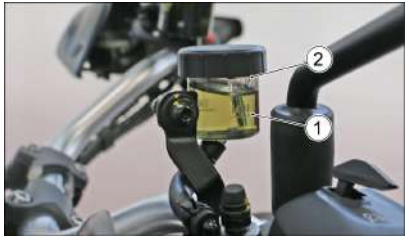
Clutch fluid level check

- Keep the vehicle upright so that the fluid in the reservoir is at the same level as the plug.
- Check that the fluid in the tank is between the marks (1) and (2).

(1): MIN = minimum level

(2): MAX = maximum level

If the fluid does not reach the "**MIN**" reference, have the clutch system checked by an **Official Moto Guzzi dealer**.



Clutch fluid top-up

WARNING

FOR THE TOP-UP OF THE CLUTCH FLUID, CONTACT AN Official Moto Guzzi Dealer.

Battery

Electrolyte level check

N.B

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

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.

ATTENTION

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

- Switch on the battery charger.

CHARGE MODES

Normal recharge

- Electric current: 1,4 A

- Time: 5-10 hours

Quick charge

- Electric current: 6 A

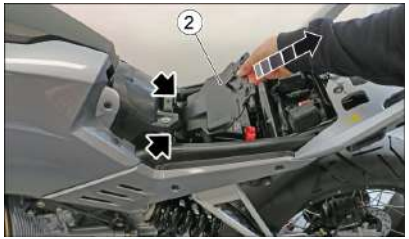
- Time: 1 hours

Battery removal

- Make sure the ignition switch is set to "KEY OFF";

- Remove the rider saddle;
- Remove the two fixing screws (1);

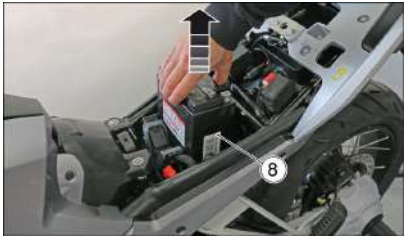
- Release the plastic securing the battery (2) from its mountings to the tank and remove it by bringing it toward the rear of the vehicle.



- Unscrew and remove the screw (3) from the negative terminal (-).
- Move the negative lead (4) sideways away from the battery.

- Move the protection cap (5), then unscrew and remove the screw (6) from the positive terminal (+).
- Move the positive lead (7) sideways away from the battery.

- Grip the battery (8) 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

REMOVING THE BATTERY RESETS THE DIGITAL CLOCK AND THE TRIP JOURNAL FUNCTIONS.

ATTENTION

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.

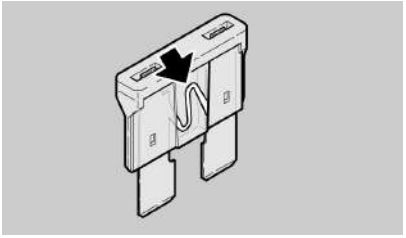
NEVER USE A FUSE THAT IS DIFFERENT THAN WHAT IS SPECIFIED TO PREVENT DAMAGES TO THE ELECTRICAL SYSTEM OR SHORT CIRCUITS, AND THE RISK OF FIRE.

WARNING

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

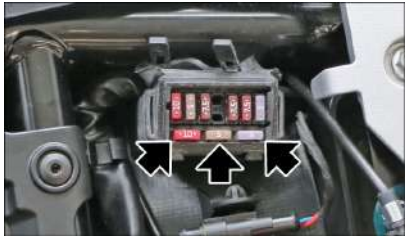
To check:

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



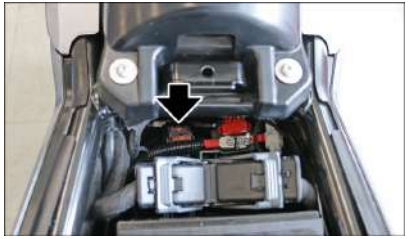
N.B

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



MAIN FUSES

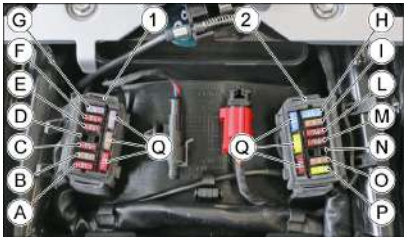
- They are located under the tank, in front of the E.C.U.
- **If there is a problem with the main fuses, DO NOT replace them, but take your vehicle to an Official Moto Guzzi dealer.**



MAIN FUSES	
40A fuse	Charging the battery
30A fuse	Loads of the entire vehicle
spare fuses	

SECONDARY FUSES

- They are located on the tail fairing, under the rider saddle.



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	ECU key-on positive, ABS key-on positive, instrument panel key-on positive, RH light switch key-on positive, inertial platform key-on positive, stand key-on positive, TMPS key-on positive (if provided), rear radar key-on positive (if provided), main ignition relay
D) Free	
E) 7.5A fuse	GMP key-on positive (if provided), OBD2 key-on positive, anti-theft system positive
F) 7.5A fuse	Headlamp key-on positive
G) 3A fuse	Positive key-on power for USB port
Q) Spare fuses	

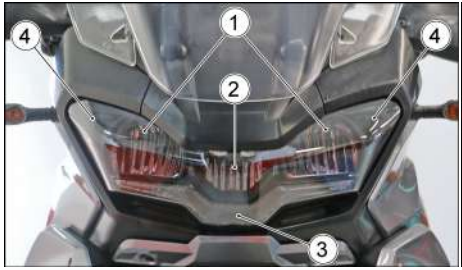
AUXILIARY FUSES (2)	
H) 15A fuse	Power supply for: Fan relay, ECU, fuel pump relay, RH and LH lambda probe, RH and LH injectors, RH and LH coils, secondary air valve, purge valve, alternator
I) 5A fuse	Power supply for: anti-theft device provision, OBD2

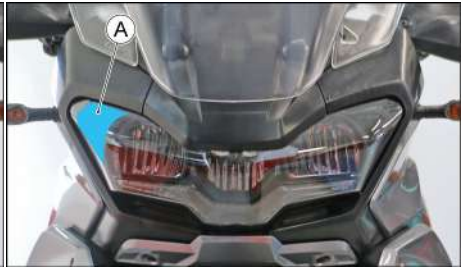
AUXILIARY FUSES (2)	
L) 7.5A fuse	Fan power feed
M) 7.5A fuse	ECU permanent positive lead
N) Free	
O) 5A fuse	Instrument panel power supply (turn indicators)
P) 20A fuse	ABS power feed
Q) Spare fuses	

Front light cluster

The headlamp unit uses LED light sources only, and consists of the following modules:

- two low beam headlight modules (1);
- one high beam headlight module (2);
- A DRL / position module (with low beam switched on) (3);
- two bending light modules (to assist rider in bends) (4).





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).

The 'bending light' modules (4) are activated when the vehicle reaches or exceeds a 25 degree angle when cornering, and only when the low beam is switched on.

- When leaning into a right hand turn, the right hand LED bending assist light illuminates (A).
- When leaning into a left hand turn, the left hand LED bending assist light illuminates (A).

WARNING

TO REMOVE, CHECK AND REPLACE THE FRONT LIGHT ASSEMBLY LAMPS, CONTACT AN Authorised Moto Guzzi Dealership.

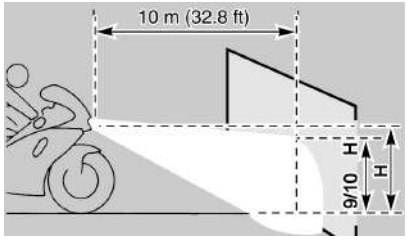
Headlight adjustment

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:

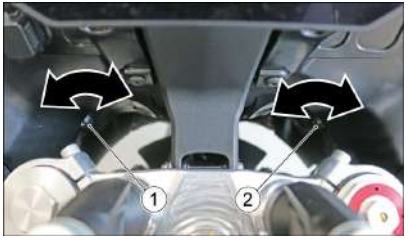
- Place the vehicle 10 m (32.81 ft) away from a vertical wall and make sure the ground is level.
- Place the vehicle in a vertical position;
- Turn on the low beam light, sit on the vehicle and check that the light beam projected to the wall is a little below the headlight horizontal straight line (about 9/10 of the total height).



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

Low beam headlamps

- Place the vehicle in a vertical position and ensure its stability;
- Adjust the adjusting screws (1) and (2), located under the instrument cluster, to adjust the left (1) and right (2) **low beam** headlamps. Turning the screw clockwise lowers the headlamp, and counterclockwise raises the headlamp.



High beam headlamp

- Place the vehicle in a vertical position and ensure its stability;
- Remove the four fixing screws (1) of the lower flap (2) of the headstock.

- Remove the flap (2) of the lower steering yoke.

- Using a 10 mm spanner, locate the adjusting screw (3) on the rear side of the headlamp, as shown.
- Turn the adjustment screw (3) clockwise to lower the headlamp, or anti-clockwise to raise it.

Once the main-beam headlamp has been correctly adjusted, reinstall the flap (2) and tighten the relevant fixing screws (1).

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

ATTENTION

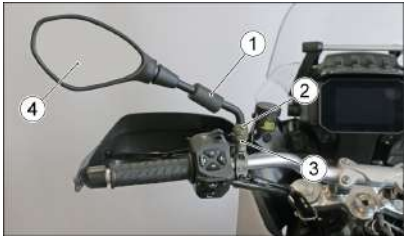
DO NOT RIDE WITH REAR-VIEW MIRRORS INCORRECTLY SET.

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

Removing the rear-view mirrors:

- Rest the vehicle on its stand.
- Lift the rubber protection (1).
- Loosen the fastening nut (2) by ensuring that the threaded clamp (3) cannot rotate.
- Slide up and remove the complete rear-view mirror unit (4).

Repeat the procedure to remove the other rear-view mirror, if necessary.



ATTENTION

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

ATTENTION

THE VEHICLE MAY NOT BE RIDDEN ON PUBLIC ROADS WITH THE REAR VIEW MIRRORS REMOVED.

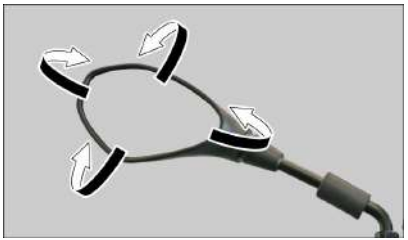
WARNING

IF IT IS NECESSARY TO REMOVE MIRRORS EQUIPPED WITH LED WARNING MIRRORS (where fitted), CONTACT AN OFFICIAL Moto Guzzi DEALER.

Rear-view mirrors adjustment:

- 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 operations for adjusting the rear-view mirror on the opposite side.



Front and rear disc brake

ATTENTION

A DIRTY DISC SMEARS THE PADS RESULTING IN POOR BRAKING.

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

WARNING

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

ATTENTION

CHECK BRAKE PADS FOR WEAR MAINLY BEFORE EACH RIDE.

To perform a quick pad wear check:

- Rest the vehicle on its stand.
- Carry out a visual inspection of brake disc and pads as follows:

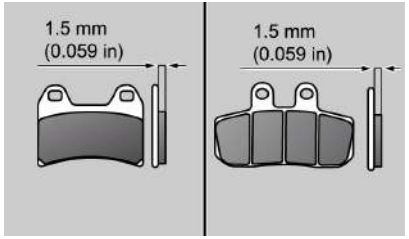
- from the top rear side to check the front brake callipers (1);

- from the bottom rear side to check the rear brake calliper (2).

ATTENTION

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

If the thickness of the friction material (even just of the 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.
- Cover the vehicle but do not use plastic or waterproof materials.

WARNING

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

ATTENTION

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

AFTER STORAGE

NOTETAKE THE PLASTIC BAGS OFF THE EXHAUST PIPE OPENING.

- 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 KILOMETRES 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

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

WARNING

USE OF HIGH PRESSURE WASHING SYSTEMS (OR STEAM CLEANERS) CAN DAMAGE THE SEALS, OIL SEALS, BRAKING SYSTEM, ELECTRICAL SYSTEM AND THE SADDLE. DO NOT USE STEAM OR HIGH PRESSURE CLEANING SYSTEMS. DO NOT USE STEAM OR HIGH PRESSURE WASHING SYSTEMS. DO NOT INSIST WITH THE PRESSURE NOZZLE ON THE WHEEL BEARINGS, INSIDE THE REAR WHEEL HUB, ON THE HYDRAULIC BRAKING CIRCUIT AND ON THE 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. DO NOT USE CLEANING PRODUCTS CONTAINING ALCOHOL, SOLVENTS OR THAT ARE ABRASIVE FOR THE CLEANING OF PLASTIC PARTS. ROTARY BRUSHES OR SPONGES WITH HARD SURFACES CAN MAKE SCRATCHES.

FRONT HEADLIGHT

Do not use products containing aggressive agents during use or during washing, due to the structure of the bottom bracket cup,

under the frame can be detected water or dirt.

Since water outside the headlight will dry due to the heat and ventilation during use of the motorcycle, in case of persistence use compressed air at a distance of 10 cm from the headlight.

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 MATT-PAINTED SURFACES WITH POLISHING PASTE.

THE VEHICLE SHOULD NEVER BE WASHED IN DIRECT SUNLIGHT, ESPECIALLY DURING SUMMER, OR WITH THE BODYWORK STILL HOT AS THE CAR SHAMPOO CAN DAMAGE THE PAINTWORK IF IT DRIES BEFORE BEING RINSED OFF.

N.B

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

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

CHROME PARTS AND POLISHED METAL

WARNING

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

RUBBER PARTS

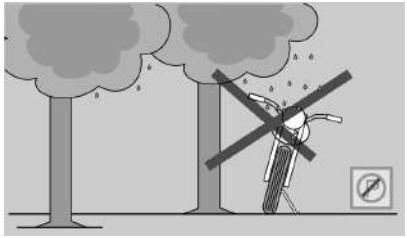
Clean the rubber parts using water and mild shampoo (brand-name, suitable for car bodies)

WARNING

THE USE OF SILICONE SPRAY TO CLEAN THE RUBBER SEALS MAY CAUSE DAMAGE. DO NOT USE OTHER PRODUCTS CONTAINING SILICON FOR CLEANING 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, COVER THE ENGINE AIR INTAKES AND THE EXHAUST PIPES.

WARNING

CLEAN THE INSTRUMENT PANEL WITH A SOFT CLOTH MOISTENED WITH WATER.

ATTENTION

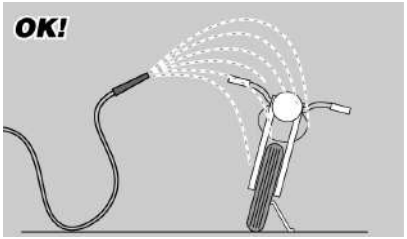
AFTER CLEANING YOUR VEHICLE, BRAKING EFFICIENCY MAY BE TEMPORARILY AFFECTED DUE TO THE PRESENCE OF WATER ON THE FRICTION SURFACES OF THE BRAKING CIRCUIT.

ALLOW LONGER BRAKING DISTANCES TO PREVENT ACCIDENTS.

BRAKE REPEATEDLY TO RESTORE NORMAL OPERATION.

CARRY OUT THE PRE-RIDE CHECKS.

To remove 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.



WARNING

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

WARNING

DO NOT USE WATER (OR LIQUIDS) AT TEMPERATURES OVER 40°C (104°F) WHEN CLEANING THE VEHICLE PLASTIC PARTS. DO NOT USE HIGH-PRESSURE AIR OR WATER JETS OR STEAM JETS.

DO NOT USE ALCOHOL OR SOLVENTS TO CLEAN ANY RUBBER OR PLASTIC SADDLE COMPONENTS USE WATER AND MILD SOAP.

WARNING

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

DRY THE SADDLE WELL AFTER CLEANING.

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

WARNING

WHEN USING A SYSTEM OF PRESSURE WASHING (AFTER CHECKING THAT ANY DETERGENTS ARE COMPATIBLE WITH THE MOTORCYCLE FINISH), KEEP A DISTANCE OF AT LEAST ONE METRE.

WARNING

CLEAN THE VEHICLE IMMEDIATELY WITH COLD WATER AFTER RIDING ON A ROAD TREATED WITH SALT: SALT IS HIGHLY CORROSIVE.

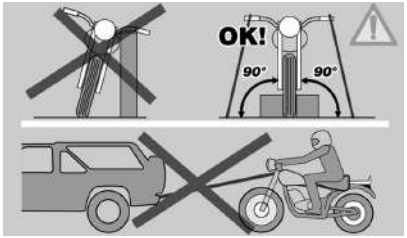
Transport

ATTENTION

BEFORE TRANSPORTING THE VEHICLE, CAREFULLY EMPTY THE FUEL TANK AND CHECK THAT IT IS COMPLETELY DRY.

DURING TRANSPORT, THE VEHICLE SHOULD BE UPRIGHT AND SECURELY ANCHORED AND SHOULD HAVE THE FIRST GEAR ENGAGED; SO AS TO AVOID POSSIBLE FUEL, OIL OR COOLANT LEAKS.

IN CASE OF FAILURE, DO NOT TOW THE VEHICLE BUT CONTACT A ROAD ASSISTANCE SERVICE INSTEAD TO HAVE THE INFLAMMABLE FLUIDS DRAINED.



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CHAPTER 05
Technical data

Data

DIMENSIONS AND MASS	
Maximum Length	2195 mm (86.42 in)
Maximum width (at handlebar)	945 mm (37.20 in)
Height (adjustable at the windshield)	1400 - 1470 mm (55.12 - 57.87 in)
Wheelbase	1520 mm (59.84 in)
Kerb weight	246 kg (542.34 lb)

ENGINE	
Type	Four-stroke, 90° transverse V-twin
Number of cylinders	2
Engine capacity	1042 cc (63.59 cu in)
Bore / stroke	96 x 72 mm (3.77 x 2.83 in)
Compression ratio	12.6 ± 0.5 : 1
Ignition	Electric

ENGINE	
Idle engine speed	1400 +/- 100 rpm
Clutch	Multi plate wet clutch with anti-judder function.
Lubrication system	pressure-fed, controlled by valves and trochoidal pump
Air filter	cartridge-type dry filter
Cooling	Forced coolant circulation system.

GEARBOX	
Type	mechanical, 6 speeds with foot lever on the left hand side of the engine

CAPACITY	
Fuel tank capacity (including reserve)	20,2 +/- 1,5 l (4.44 +/- 0.33 UK gal; 5.34 +/- 0.40 US gal)

CAPACITY	
Fuel tank reserve capacity	4.5 l (0.99 UK gal; 1.19 US gal)
Engine oil	Oil change and oil filter replacement: 4900 cc in (299.02 cu in)
Bevel gear set oil	250 cm³ (15.26 cu in)
Bevel gear oil (in case of replacement)	225 cc (13.73 cu in) MAX
Seats	2
Max. vehicle load	463 kg (1020.74 lb) (rider + passenger + luggage)

TRANSMISSION	
Primary drive	with gears, ratio: 31/48 = 1 : 1,548
Gear ratios, 1st gear	14 / 37 = 1 : 2.642
Gear ratios, 2nd gear	17 / 33 = 1 : 1,941
Gear ratios, 3rd gear	20 / 31 = 1 : 1,55

TRANSMISSION	
Gear ratios, 4th gear	22 / 28 = 1 : 1,272
Gear ratios, 5th gear	24 / 26 = 1: 1,083
Gear ratios, 6th gear	25 / 24 = 1: 0,96
Final drive	with shaft, ratio 12 / 38 = 1 : 3,166

FUEL SYSTEM	
Type	Electronic injection (Marelli 11MP)
Throttle body	Ø 52 mm (2.05 in)
Fuel	Unleaded gasoline E10 (95 R.O.N.)

CHASSIS	
Type	high strength tubular steel frame
Steering rake angle	25.6°
Trail	116.4 mm (4.58 in)

SUSPENSION	
Front	hydraulic telescopic fork, Ø 46 mm (1.81 in)
Travel	170 mm (6.69 in)
Rear	Swingarm in die-cast light alloy with 1 shock absorber with adjustable spring pre-loading and hydraulic brake extension.
Travel	170 mm (6.69 in)

BRAKES	
Front	two 320 mm (12.59 in) diam. stainless steel floating discs, calliper with 4 32 mm (1.26 in) diam. counteracting plungers
Rear	280 mm (11.02 in) stainless steel disc, floating calliper with two 28 mm (1.10 in) diameter pistons

RIMS AND WHEELS	
Type	with spokes
Front	3.00" x 19"
Rear	4.50" x 17"

TYRES	
Front	120 / 70 R19 (60V)
Tyre pressure	2.5 bar (250 kPa) (36.26 PSI)
Rear	170 / 60 R17 (72V)
Tyre pressure	2.8 bar (280 Kpa) (40.61 PSI)

SPARK PLUGS	
Standard	NGK LMAR8EI-7
Spark plug electrode gap	0.8 mm (0.031 in)
Resistance	7.5 KOhm (MAX)

ELECTRICAL SYSTEM	
Battery	12 V – 12 Ah

ELECTRICAL SYSTEM	
Fuses	40- 30 - 20 - 15 (3) - 10 (2) - 7.5 (6) - 5 (3) - 3 A
Permanent magnet alternator	12V - 550W

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	

INDICATOR LAMPS	
Gearbox in neutral	LED
High beam headlight	LED
Cruise control warning light	LED
ABS warning light	LED

INDICATOR LAMPS	
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

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CHAPTER 06
Spare parts and accessories

Warnings

ATTENTION

TO PREVENT ACCIDENTS AND TO GUARANTEE PROPER STABILITY, PERFORMANCE AND SAFETY, RIDE THE VEHICLE VERY CAREFULLY WHEN IT IS FITTED WITH ACCESSORIES OR WITH UNUSUAL LOADS.

WARNING

IT IS ALSO RECOMMENDED THAT ORIGINAL PIAGGIO GROUP SPARE PARTS BE USED, AS THESE ARE THE ONLY ONES OFFERING YOU THE SAME QUALITY GUARANTEE AS THOSE INITIALLY FITTED ON THE VEHICLE.

NOTE THAT USING NON-ORIGINAL SPARE PARTS WILL VOID THE WARRANTY.

ATTENTION

PIAGGIO GROUP SELLS ITS OWN LINE OF ACCESSORIES, WHICH ARE APPROVED FOR USE WITH PIAGGIO VEHICLES AND COVERED BY A PIAGGIO WARRANTY. IT IS THEREFORE ESSENTIAL TO CONTACT A DEALERSHIP OR AN AUTHORISED SERVICE CENTRE IN ORDER TO CHOOSE AND FIT ACCESSORIES CORRECTLY.

USING NON-ORIGINAL ACCESSORIES MAY AFFECT THE STABILITY AND FUNCTIONS OF YOUR VEHICLE, COMPROMISING THE SAFETY OF THE VEHICLE AND EXPOSING THE RIDER TO DANGER.

WARNING

BE EXTREMELY CAREFUL WHEN INSTALLING AND REMOVING THE MECHANICAL ANTI-THEFT DEVICE ON THE VEHICLE (U-SHAPED PADLOCK, DISC BLOCK, ETC.).

MAINLY NEAR 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, COMPROMISE THE CORRECT FUNCTIONING OF THE VEHICLE AND USERS' SAFETY.

ATTENTION

NEVER OPERATE THE VEHICLE WITH ACCESSORIES (BAGS, TOP BOX AND/OR WINDSHIELD) AT A SPEED HIGHER THAN 100 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-PIAGGIO ACCESSORIES INSTALLED, OR AN ABNORMAL LOAD, OR IF THE SCOOTER IS NOT IN A GENERALLY GOOD CONDITION, OR WHENEVER WEATHER CONDITIONS DEMAND IT, SPEED SHOULD BE FURTHER REDUCED.

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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.

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.

Scheduled maintenance table

Km x 1000 (mi x 1000)	1,5 (0.9)	12 (7.5)	24 (14.9)	36 (22.4)	48 (29.8)	60 (37.3)	72 (44.7)	EVERY 12 MONTHS	EVERY 24 MONTHS
Engine oil filler plug O-ring	I	I	I	I	I	I	I	I	I
Fork plug O-ring					I				
Spark plugs		I	R	I	R	I	R		
Alternator belt		I	R	I	R	I	R		R

Km x 1000 (mi x 1000)	1,5 (0.9)	12 (7.5)	24 (14.9)	36 (22.4)	48 (29.8)	60 (37.3)	72 (44.7)	EVERY 12 MONTHS	EVERY 24 MONTHS
Steering bearings and steering play	I	I	I	I	I	I	I	I	I
Front wheel bearings		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
Vehicle general operation	I	I	I	I	I	I	I	I	I
Valve clearance			I		I		I		
Head cover gasket	I	I	I	I	I	I	I		
Engine oil discharge plug aluminium gasket	R	R	R	R	R	R	R	R	R
Transmission oil discharge plug gasket			R		R		R		
Engine oil filter cover O-ring	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
Gearbox lever pin	I	I	I	I	I	I	I	I	I
Brake fluid	I	I	I	I	I	I	I	I	R

Km x 1000 (mi x 1000)	1,5 (0.9)	12 (7.5)	24 (14.9)	36 (22.4)	48 (29.8)	60 (37.3)	72 (44.7)	EVERY 12 MONTHS	EVERY 24 MONTHS
Clutch fluid	I	I	I	I	I	I	I	I	R
Coolant	I	I	I	I	I	I	I	I	R
Fork oil (5)					R				
Engine oil (3)	R	R	R	R	R	R	R	R	R
Final drive oil			R		R		R		
Headlight aiming		I	I	I	I	I	I		
Fork oil seals (1)		I	I	I		I	I		
Tyres - pressure / wear (2)	I	I	I	I	I	I	I	I	I
Transmission oil filler plug washer			R		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

- **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: 48,000 km (29.8 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 -50	Synthetic-based lubricant for high performance four-stroke engines.	SAE 10W 50; API SL; JASO MA2
75W-140 lubricant for gearboxes and transmissions	Synthetic lubricant for gearboxes and transmissions	SAE 75W-140 - API GL5
Anti-freeze liquid, ready to use, colour red	Glycol ethylene based antifreeze liquid with organic additive technology corrosion inhibitor. Colour red, ready to use.	ASTM D 3306 - ASTM D 4656 - ASTM D 4985 - CUNA NC 956-16
Hydraulic fluid HVI 32	Fork oil.	Application - Sachs; ISO-L-HV
Molybdenum disulphide grease	Lithium grease with molybdenum disulphide.	Grey black grease

Product	Description	Specifications
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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