

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!

## V85TT - V85TT Travel - V85TT Strada



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## INSTRUCTIONS

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

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

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

## WARNING

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

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

## CHANGE/MODIFY THE VEHICLE

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

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



Safety of Persons

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



Integrity of the vehicle

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



Safeguarding the Environment

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

#### Note

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



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# V85TT - V85TT Travel - V85TT Strada



## 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.

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

### TAMPERING

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

### DANGER OF BURNS

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

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

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

#### WARNING



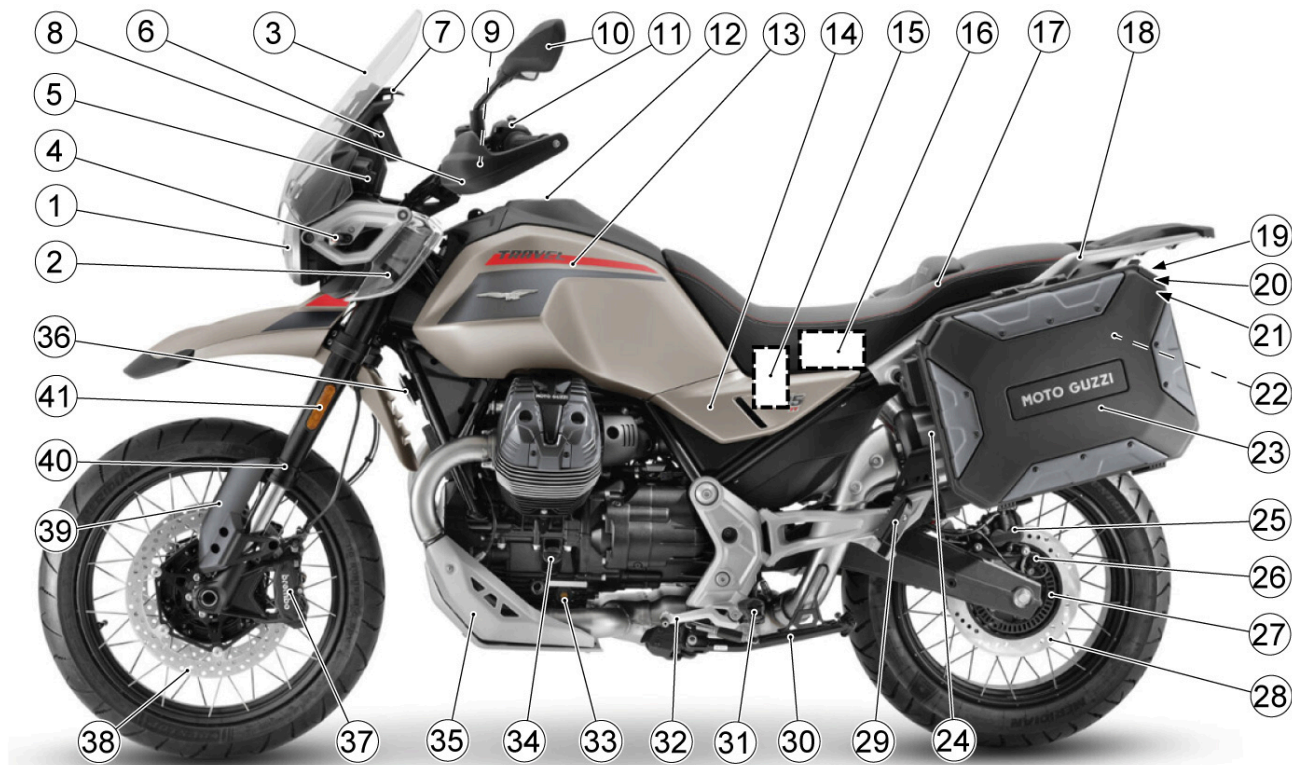
**SOME OF THE CONNECTORS ON THE VEHICLE MAY BE ACCIDENTALLY SWAPPED, AND MAY COMPROMISE NORMAL VEHICLE OPERATION AND/OR CAUSE IRREPARABLE DAMAGE TO PARTS OF THE VEHICLE IF INCORRECTLY INSTALLED.**

# V85TT - V85TT Travel - V85TT Strada



**CHAPTER 02**  
**Vehicle**

## Main components distribution



2 Vehicle



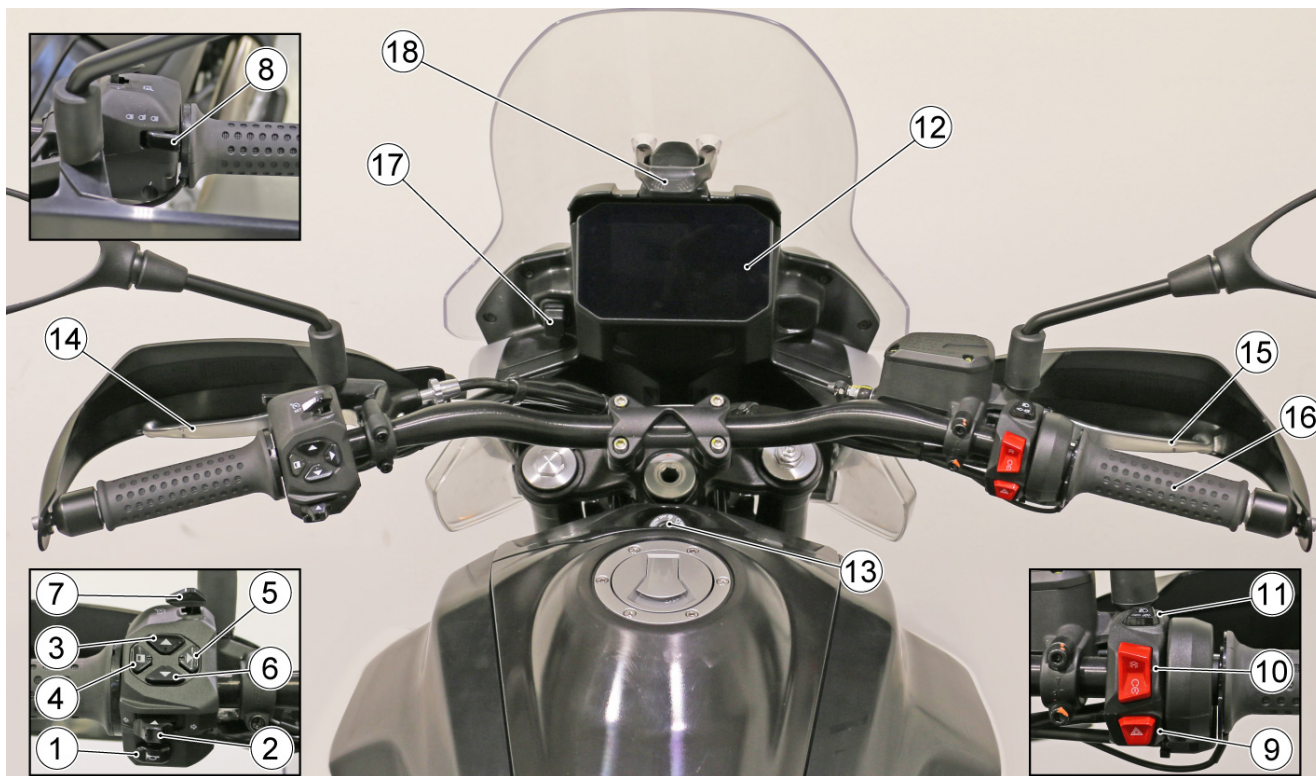
### Key for location of main components

- |                                     |                                 |                            |
|-------------------------------------|---------------------------------|----------------------------|
| 1 . Headlamp                        | 4 . Front left turn indicator   | 10 . Left rear-view mirror |
| 2 . Left deflector(when applicable) | 5 . USB port                    | 11 . Left light switch     |
| 3 . Adjustable windshield           | 6 . Instrument cluster          | 12 . Fuel tank cap         |
|                                     | 7 . Windshield adjustment lever | 13 . Fuel tank             |
|                                     | 8 . Left hand guard             | 14 . Left side fairing     |
|                                     | 9 . Clutch lever                | 15 . Air filter            |

- 16 .Battery
- 17 .Two-seater saddle
- 18 .Passenger handle / accessory support frame (**where applicable**)
- 19 .Rear light
- 20 .Seat lock
- 21 .Number plate light
- 22 .Rear left turn indicator
- 23 .Left case (**where applicable**)
- 24 .Silencer
- 25 .Rear brake calliper
- 26 .Rear tone wheel sensor
- 27 .Rear tone wheel
- 28 .Rear brake disc
- 29 .Passenger left footrest
- 30 .Side stand
- 31 .Left rider footrest
- 32 .Gear shift lever

## Instrument cluster

- 33 .Engine oil level inspection port
- 34 .Engine oil load cap
- 35 .Oil carter protector
- 36 .Horn
- 37 .Front left brake calliper
- 38 .Left hand front brake disc
- 39 .Left stem holder / low front mudguard (V85 TT Strada)
- 40 .Left fork stem
- 41 .Left hand reflector
- 42 .Front mudguard
- 43 .Front right turn indicator
- 44 .Right deflector(**where applicable**)
- 45 .Right side fairing
- 46 .Throttle control
- 47 .Right light switch
- 48 .Right rear-view mirror
- 49 .Front brake lever
- 50 .Right hand guard
- 51 .Rear right turn indicator
- 52 .Right hand reflector
- 53 .Right fork stem (adjustable)
- 54 .Right stem holder / low front mudguard (V85 TT Strada)
- 55 .Front tone wheel
- 56 .Front tone wheel sensor
- 57 .Front right brake calliper
- 58 .Right hand front brake disc
- 59 .Rear brake oil tank
- 60 .Rear brake lever
- 61 .Right rider footrest
- 62 .Rear shock absorber (adjustable)
- 63 .Right passenger footrest
- 64 .Right case (**where applicable**)
- 65 .Main fuse
- 66 .Secondary fuses



### Instrument cluster - Key

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li>1 . Audible warning device;</li> <li>2 . Turn indicator control;</li> <li>3 . Up button (MODE UP);</li> <li>4 . Set button (MODE SET);</li> </ul> | <ul style="list-style-type: none"> <li>5 . Right button (MODE RIGHT);</li> <li>6 . Down button (MODE DOWN);</li> <li>7 . Cruise control selector;</li> <li>8 . Low beam / high beam / flash high beam switch;</li> <li>9 . "HAZARD" warning light button;</li> </ul> | <ul style="list-style-type: none"> <li>10 . Engine start / stop switch;</li> <li>11 . Daytime running lights (DRL) / night lights / additional headlights switch (if applicable);</li> <li>12 . Instrument panel and indicators;</li> <li>13 . Ignition switch / steering lock;</li> </ul> |
|--|--|--|

- 14 . Clutch lever;
- 15 . Front brake lever;
- 16 . Throttle grip;
- 17 . USB port;
- 18 . Windshield adjustment lever.

## Digital instrument panel

### Key:

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



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

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

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

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

**It is important to remember the personal code because:**

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



### N.B



**IF THE PERSONA CODE IS NOT MEMORISED AND THE**

**VEHICLE IS USED, THE MESSAGE DISAPPEARS AFTER 10 SECONDS BUT REAPPEARS WITH EACH KEY ON.**

### N.B



**THE FACTORY SET CODE IS COMPOSED OF FIVE ZEROES.**

## Indicator light unit

### Key:

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





## Digital display

N.B



**THE INSTRUMENT CLUSTER IS EQUIPPED WITH A TWILIGHT SENSOR**

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

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

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

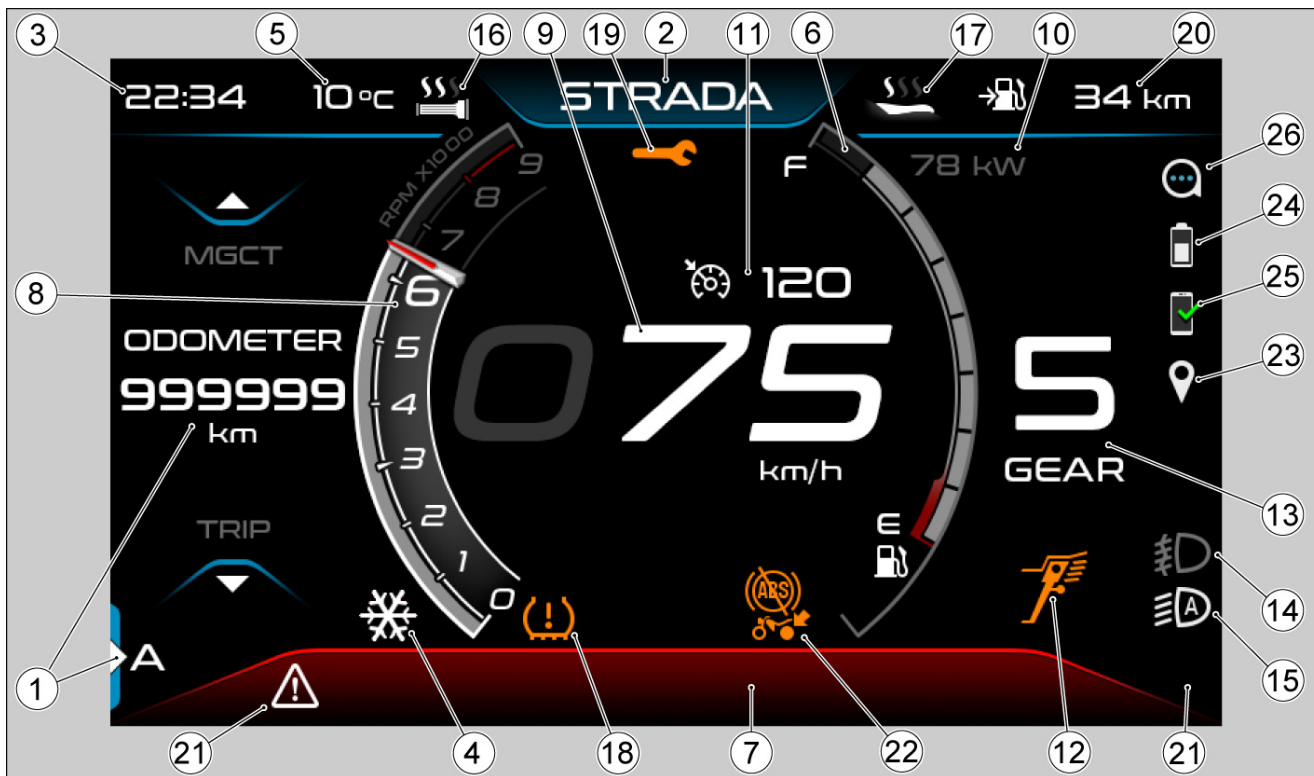
If the **GUZZI MIA** ECU is present, pressing and holding the "MODE RIGHT" button accesses navigation mode.

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

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



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



**ROAD screen legend**

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

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

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

2) Riding mode active;

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

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

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

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

**Where the Guzzi Mia control unit is present:**

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

## Warnings

### MAINTENANCE MESSAGE

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

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



### ICE HAZARD WARNING

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



### LOW BATTERY WARNING

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



### ALERT SIDE STAND DOWN

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



**ABS OFF**

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

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



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



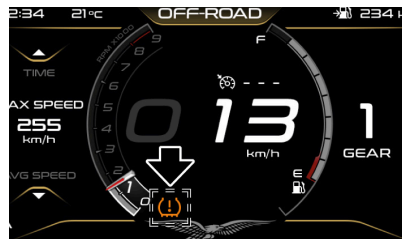
For more information on the ABS system and its activation/deactivation, please refer to the section entitled "ELECTRONIC VEHICLE CONTROLS".

**ALERT TYRE PRESSURE**

(if applicable)

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

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



**N.B**

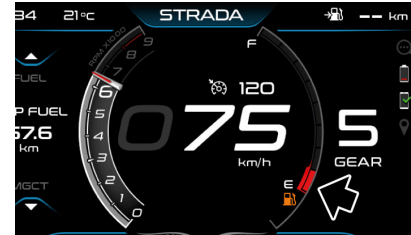


WITH EACH KEY "ON", THE TPMS ICON WILL FLASH UNTIL THE SYSTEM DETECTS A VALID SIGNAL FROM BOTH SENSORS. THE FLASHING CAN LAST UP TO THREE MINUTES.

**FUEL LEVEL**

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

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



**WARNING**



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

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

N.B



THE FUEL LEVEL INDICATION 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).

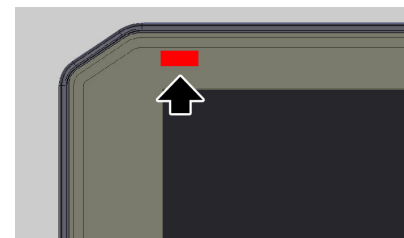


When the vehicle goes into reserve, the remaining range disappears, two dashes (- -) will be displayed in its place, and "TRIP FUEL" will appear in the trip log, which counts the distance travelled in reserve. This value is reset every time the gasoline level in the tank exceeds the reserve threshold.



### 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 panel or from the ECU, the instrument panel signals the fault by displaying the message "ALARM SERVICE" along with the general alarm icon.

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



### URGENT SERVICE ALARM

The serious anomaly is signalled by the flashing of the message "URGENT SERVICE" accompanied by the general alarm icon in the Pop-up area which will turn red. Take your vehicle to an **Official Moto Guzzi Dealer** as soon as possible. In these cases the ECU activates a safety procedure limiting vehicle performance in order to allow the rider to go to an **Official Moto Guzzi Dealer** at a reduced speed.

Depending on the type of failure, performance can be limited in three ways:

- by reducing the maximum torque produced;
- by keeping the engine at idle speed but slightly accelerated (during this operation, the throttle control is disabled);
- 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 panel will signal the anomaly by displaying the message "ALARM CAN ECU DISCONNECTED" accompanied by the general alarm warning light in the Pop-up area which will turn red.



#### N.B



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

**"CAN BUS OFF" electronic control unit disconnected alarm**

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



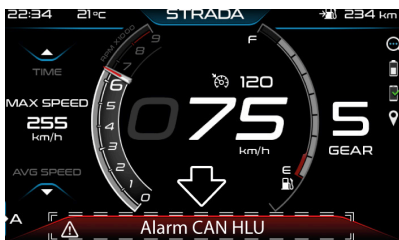
#### WARNING



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

#### Headlamp disconnected alarm "CAN HLU"

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



#### N.B



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

#### WARNING



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

#### Brakes stuck alarm

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

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



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

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



#### 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

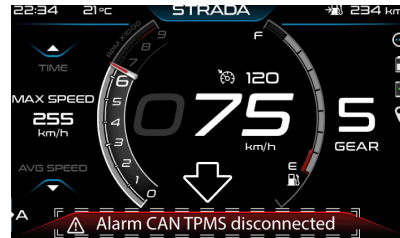
In the event that the vehicle's ECU loses its configuration data, the dashboard will display the "Vehicle not configured" alarm to indicate that it needs to be reconfigured by an Official **Moto Guzzi** Dealer.



### TPMS ontrol unit disconnected alarm

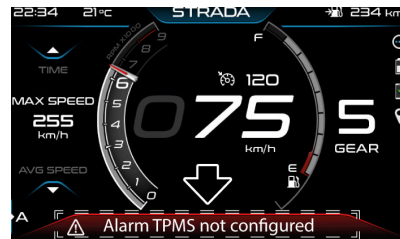
If the vehicle is no longer receiving signals from the TPMS (Tire Pressure Management System) control unit, the dashboard will display the alarm "Alarm CAN TPMS disconnected". No tyre status information will be displayed until the fault is resolved and communication between the vehicle

control unit and the TPMS control unit is restored.



### TPMS control unit configuration alarm

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



### mapping selection

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

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

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



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

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

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

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

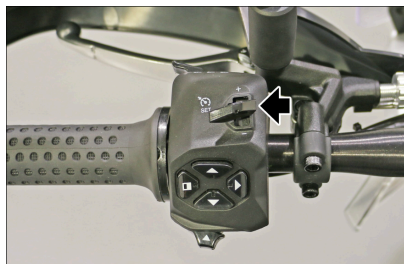
characteristics to the riding style. The standard settings for this riding mode are the same as for "SPORT", but with the difference that here they can be changed according to personal preference.

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

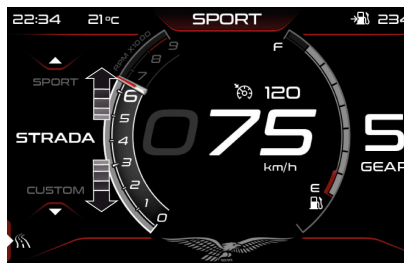
All the "riding modes" listed above can be selected by the user in two different modes:

1).

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



Once the desired "riding mode" has been reached, stop to confirm the selection.



**N.B**



**DIFFERENT RIDING MODES MAY ALSO BE SELECTED ON THE FLY WHILE THE VEHICLE IS MOVING, PROVIDED THAT THE THROTTLE GRIP IS RELEASED.**

**RIDING MODES MAY ALSO BE PRESELECTED WHILE THE THROTTLE IS OPEN. IN THIS CASE, THE NEW MODE IS ONLY EFFECTIVELY IMPLEMENTED WHEN THE THROTTLE IS CLOSED AGAIN. IN THIS CASE THE ICON AND THE NAME OF THE RIDING MODE WILL FLASH.**

**N.B**



**IF THE THROTTLE IS OPENED WHILE THE NEW RIDING MODE IS SHOWN IN FLASHING MODE ON THE DISPLAY (I.E. MODE IS PRESELECTED ONLY AND PENDING IMPLEMENTATION BY THE ECU), THE PRESELECTED NEW RIDING MODE WILL NOT BE EFFECTIVELY IMPLEMENTED UNTIL THE THROTTLE GRIP IS RELEASED.**

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

**N.B**



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

**2.) (where available)**

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

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

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



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

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

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

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

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

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

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

MODIFY → MOVE ⇅ RESET ■ EXIT ◀

### Electronic controls of the vehicle

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

The system consists of:

**ABS:** Anti-Lock Braking System;

**MGCM:** Moto Guzzi Engine Control;

**MGCT:** Moto Guzzi Traction Control;

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

### ABS

ABS is a system that prevents the wheels from locking in the event of emergency braking, increasing the stability and control of the vehicle under braking compared to a conventional braking system.

The ABS system allows improved control of the vehicle, always remembering not to exceed the physical limits of the vehicle's road holding. 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.

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

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

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

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

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

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

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



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

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

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



#### 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** 0.1 - 2.00 mm (0.004 - 0.079 in)

**Distance between tone wheel and rear sensor** 0.1 - 2.00 mm (0.004 - 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

The traction control is a system developed to control the relative skidding of the wheels

and help the rider to have greater control and safety of the vehicle.

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

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

#### MGCT SYSTEM DEACTIVATED MANUALLY

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

#### MGCT SYSTEM ACTIVE

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

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

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



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

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

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

MODIFY ▶ MOVE ◀ RESET ■ EXIT ◀

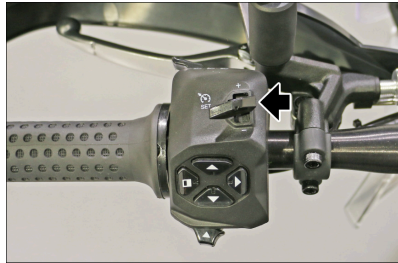
Whether the vehicle is stationary or in motion, using the Cruise control button (if the cruise control is not active) it is possible to modify the control value of the MGCT system directly from the

corresponding page of the travel log, in all riding modes

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

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

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



**ATTENTION**



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



**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".

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

MODIFY ▸ MOVE ⇅ RESET ■ EXIT ◀

**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 0.1 - 2.00 mm (0.004 - 0.079 in)

Distance between tone wheel and rear sensor 0.1 - 2.00 mm (0.004 - 0.079 in)

#### FACTORY SETTINGS TABLE

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

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

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

N.B



THE TABLE SHOWS THE MAXIMUM INDICATIONS ON THE SETTING LEVELS OF THE VARIOUS

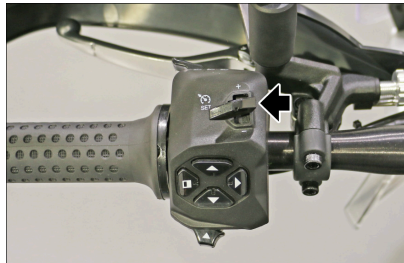
**CONTROLS. EACH RIDER MAY PERSONALISE THE LEVELS TO THEIR OWN PREFERENCE IN ACCORDANCE WITH ABILITY, RIDING STYLE AND ROAD CONDITIONS.**

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

### Control buttons

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

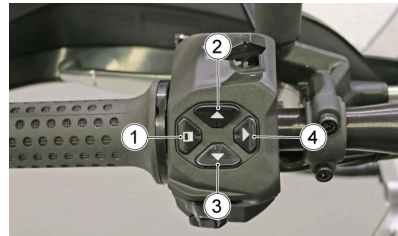
- Increase or decrease the cruise control set speed;
- **WITH CRUISE CONTROL NOT ACTIVE:** from the Riding Mode page of the travel log, change the "riding mode" in use,
- inside the MGCT page of the travel log, change the traction control intervention level.



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

The navigation buttons are as follows:

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



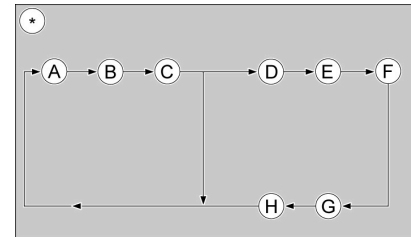
A number of different symbols (such as the examples (1) and (2) shown in the figure) may be displayed in the pop-up space.

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



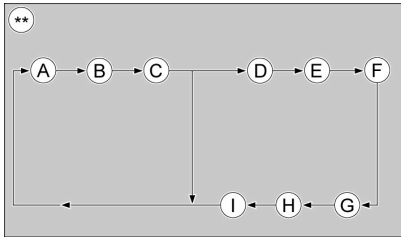
In the driving mode ROAD (\*), pressing "MODE RIGHT" button briefly cycles through the following screens:

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



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

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



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

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

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

- ODOMETER.

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

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



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

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

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



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

In this menu, information about the heated seat can be displayed, including the activation status and heating intensity. The system automatically recognises the presence of the heated seat.

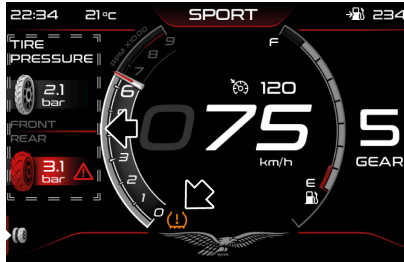
For further details, see paragraph "Heated saddle control".



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

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

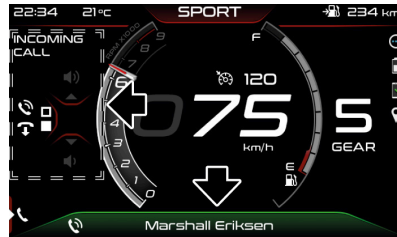
For further details please refer to the section "Tyres".



#### F) Phone information (where provided)

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

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



#### Call handling

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

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

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



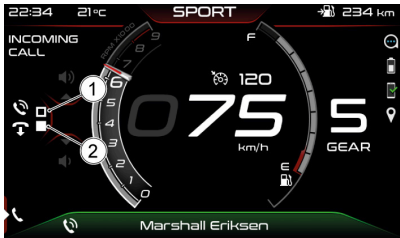
The following information is shown in the relative area on the digital display:

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

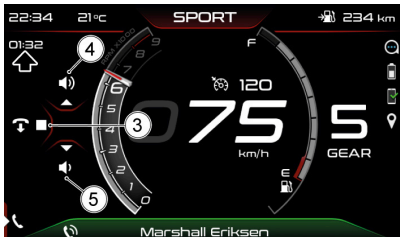
By briefly pressing the MODE DOWN and MODE UP buttons, it is possible to scroll through the log of all calls (missed calls, calls made, outgoing calls made with no reply). Once the relevant entry has been selected, a long press on the MODE SET button allows the call to be made.

#### Mode selector functions for call management:

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



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

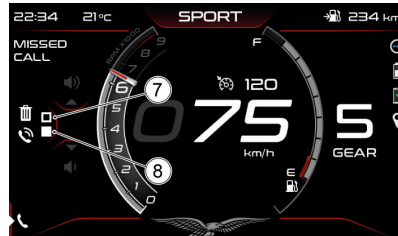


- Interrupt outgoing call: PRESS AND HOLD MODE SET (6)



**MISSED CALL:**

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



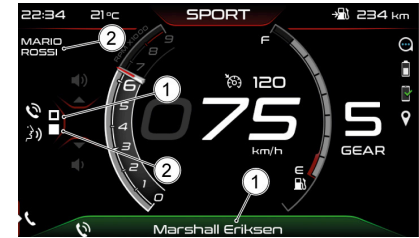
**Managing a second call**

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

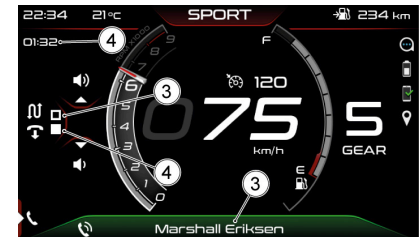
In the pop-up area of the display, the new incoming call will be shown, and in the dedicated area of the travel log, the current call and indications for possible operations will be displayed.

**Functions of mode selector for managing second call:**

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



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



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

Information relative to audio playback is displayed in this menu:

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



#### Music playback management

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

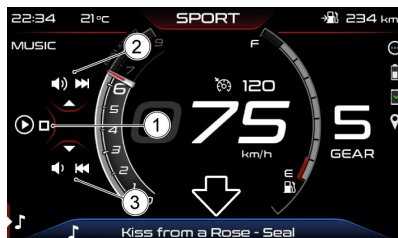
- associate the smartphone with the "Guzzi MIA" system via Bluetooth as described later in section "VEHICLE / SMARTPHONE PAIRING";
- install the "Moto Guzzi" app on your smartphone and access it (can be performed also from the instrument panel, without using the application);

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



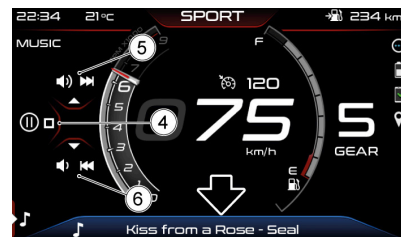
#### Mode selector functions for music playback management:

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



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

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



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

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

#### VEHICLE/SMARTPHONE PAIRING

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

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

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

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



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

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



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



#### N.B



**UPON THE FIRST PAIRING BETWEEN THE DISPLAY AND SMARTPHONE, MORE TIME MAY BE REQUIRED**

**FOR THE SYNCHRONIZATION OF THE PHONE BOOK.**

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

#### N.B



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

**Connection between the application and the digital display**

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



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

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

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

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

N.B



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

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

N.B



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

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

**Required operation for iOS 10.0 versions or higher**

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

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

**" Guzzi MIA" SYSTEM MESSAGES**

The "Guzzi MIA" system communicates with the user through messages that can be viewed on the graphic panel of the digital display. Depending on the message type, the graphic panel shows the icon, colours and the specific message.

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

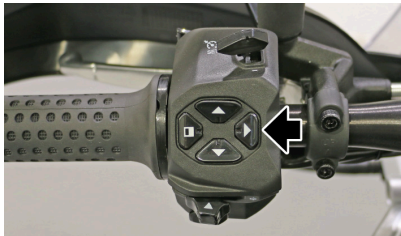


Afterwards, it will be possible to scroll through the various infotainment-related messages via the MODE UP and MODE DOWN buttons.

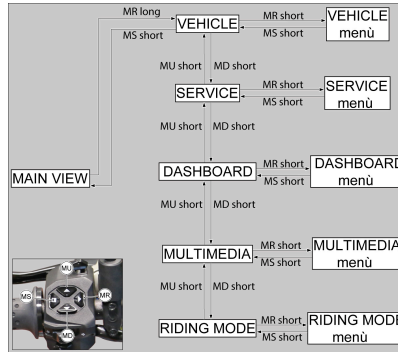


### Advanced functions

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



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



The LAUNCHER MENU is composed of the following entries:

- 1) Vehicle
- 2) Service
- 3) Instrument cluster
- 4) Riding mode
- 5) Multimedia - **if applicable**



#### 1) Vehicle

The "Vehicle" menu contains the following options:

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

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

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



#### 1.1) Headlamp mode - **if applicable**

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

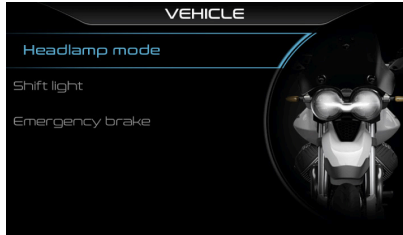
The use mode can be selected by shortly pressing the MODE RIGHT button. These modes will be displayed cyclically every time you press the button.

Auto = Automatic

Manual = Manual

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

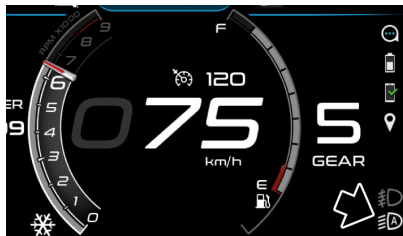
Press MODE SET briefly to go back to the main MENU.



**N.B**



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



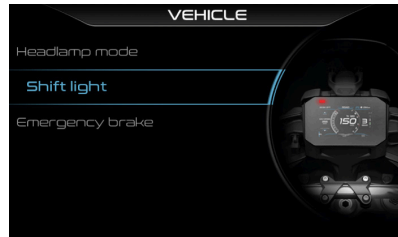
### 1.2) Shift light

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

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

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

Press MODE SET briefly to exit edit mode.

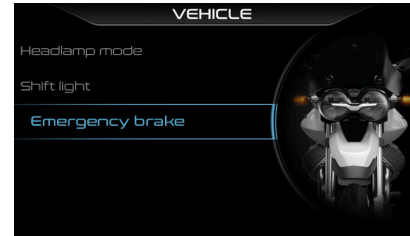


### 1.3) Emergency brake (Brake light)

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

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

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



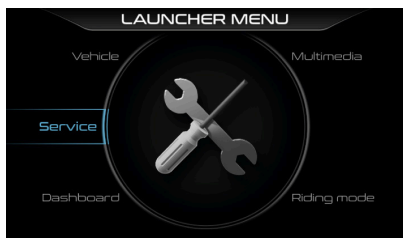
### 2) Service

The "Service" menu contains the following options:

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

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

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



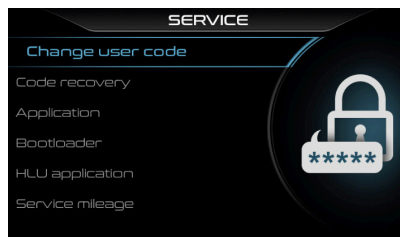
### 2.1) Change user code

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

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

The leftmost value of the display will show a value from 0 to 9 (which can be changed by pressing the MODE UP or MODE DOWN keys). Press MODE SET briefly to confirm the selection. Repeat the operation for all the digits. Once the code is confirmed, the new code is shown steadily on the display to let the user verify that the code has been entered correctly. Turn the ignition off and then on again to unlock the instrument cluster. The last code set may be modified again in the future. Access the setting mode again, enter the last user code used (OLD

CODE), then enter a new user code (NEW CODE) as described previously.



### 2.2) Code recovery

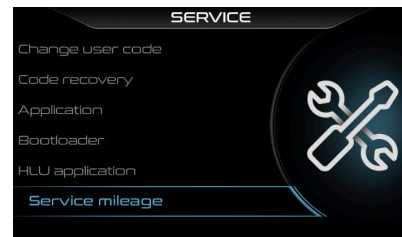
This function must be used should it be necessary to change the user code when the user no longer remembers the code currently in use. Both keys stored in the vehicle memory are needed to access this function.

Once the function is activated, pressing the MODE SET briefly displays the message "INSERT KEY 1", requesting identification of the first key. Insert the key. If the correct key is recognised within twenty seconds, the message "INSERT KEY 2" is shown on the display. Insert the second key. If the second key is also recognised within twenty seconds, the instrument cluster resets the user code to the default code (five zeros - 00000). Enter the new user code following the "CHANGE USER CODE " procedure.



### 2.6) Service mileage

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



### 3) Dashboard

The "Dashboard" menu contains the following options:

- 3.1) Backlight
- 3.2) Clock
- 3.3) Units
- 3.4) Languages

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

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



### 3.1) Backlight

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

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

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

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



### 3.2) Clock

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

#### 3.2.1) Hours

#### 3.2.2) Minutes

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

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



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

For the Minutes and Hours functions only, the value can be increased with one point

with a brief press on the MODE RIGHT button. Once the maximum level is reached, a further press will restart the setting from the minimum value. Keep the MODE RIGHT button pressed to continuously increase the value until the button is released

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

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

### 3.3) Units

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

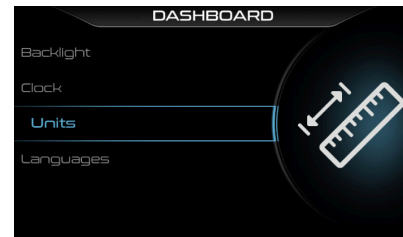
#### 3.3.1) Speed

#### 3.3.2) Fuel consumption

#### 3.3.3) Temperature

#### 3.3.4) Pressure (visible if applicable)

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



### 3.3.1) Speed

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

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

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

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

#### N.B



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

### 3.3.2) Fuel consumption

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

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

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

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

### 3.3.3) Temperature

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

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

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

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

### 3.3.4) Pressure (visible if applicable)

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

- bar;
- psi.

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

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

### 3.4) Languages (Languages)

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

- English
- Italian
- French
- German
- Spanish

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

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



### 4) Riding mode (Riding mode) - if applicable

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

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

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

To access the selected menu, briefly press the MODE RIGHT button, and to return to

the main "MENU", briefly press the MODE SET button.



#### 4.1) MGCT (Moto Guzzi Traction Control)

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

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

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

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

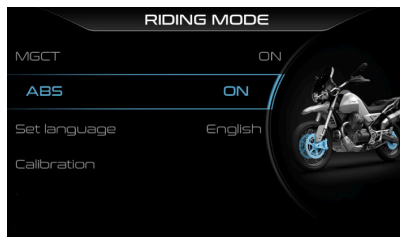


#### 4.2) ABS

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

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

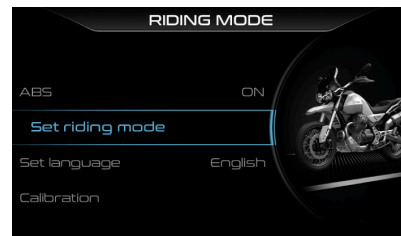
Press MODE SET briefly to go back to the "Dashboard" menu.



#### 4.3) Set riding mode

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

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



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


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

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

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

MODIFY ▶ MOVE ⬇️ RESET ■ EXIT ◀

**N.B**



**Intervention RANGE**

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

**MGCT: OFF - 3 (3 = maximum intervention)**

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

**4.4) Set language (Riding modes display language)**

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

- Italian
- English

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

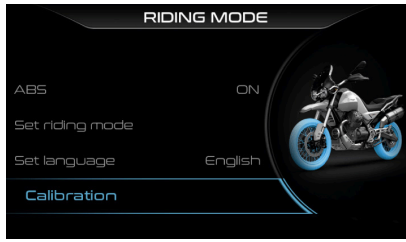
Press MODE SET briefly to go back to the "Dashboard" menu.



**4.5) Calibration**

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

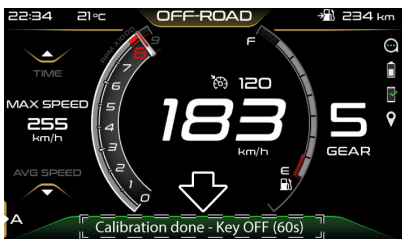
"Calibration - Speed not correct"



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



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

**N.B**

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

**N.B**

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

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

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

**N.B**

TURN THE IGNITION SWITCH OFF TO ABORT THE CALIBRATION PROCEDURE.

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

**5) Multimedia - (where required)**

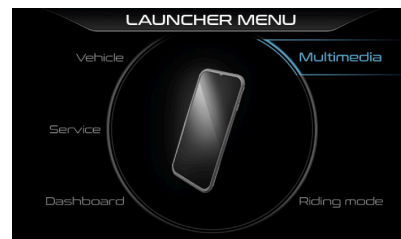
The "Multimedia" menu consists of the following items:

5.1) Devices pairing

5.2) Reset pairing

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

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

**5.1) Devices pairing**

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



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

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



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

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



**5.2) Reset pairing**

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

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



**GPS navigation**

(if applicable)

Combined with the "MOTO GUZZI" application, the "MOTO GUZZI MIA" system allows the display of GPS indications on the digital display. By means of pictograms, distance and travel time data, the desired destination can be reached. The navigation icon appears on the digital display after setting the destination address.

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



N.B



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

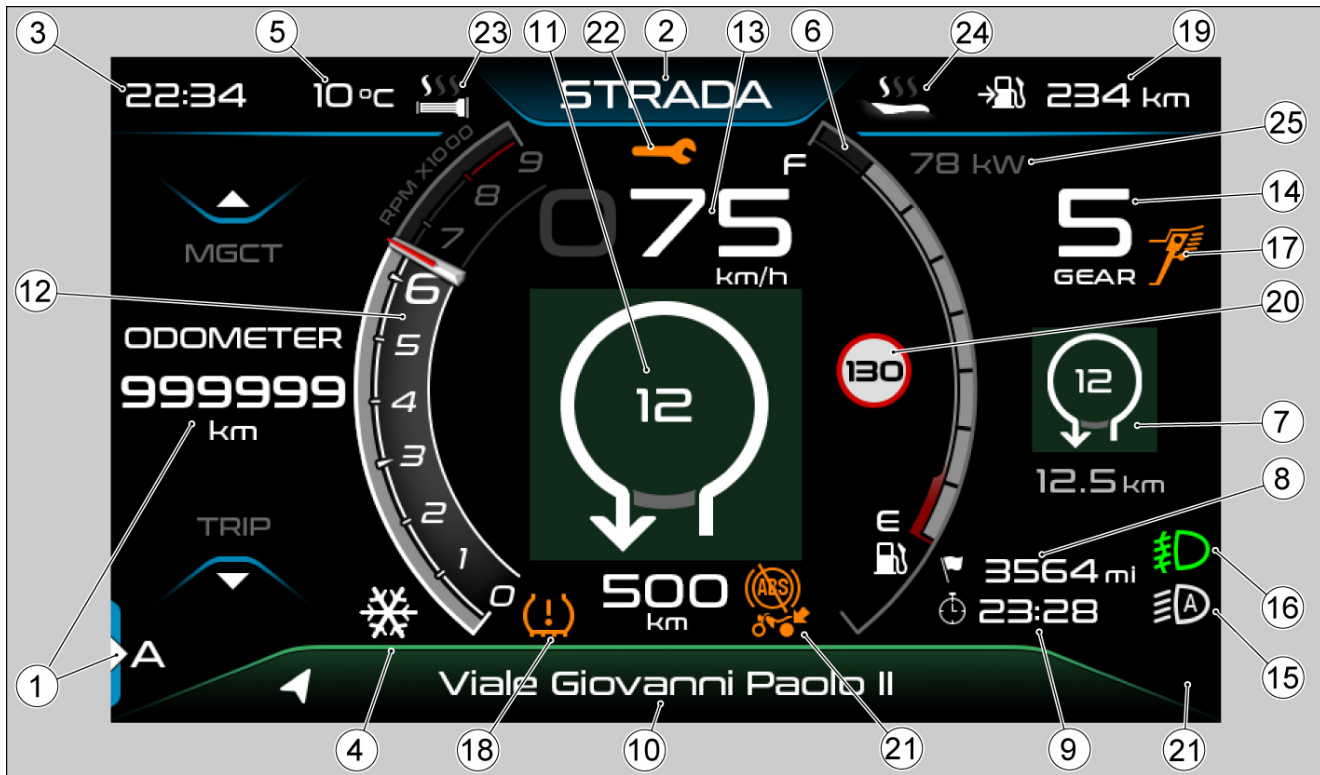
Press and hold down MODE RIGHT to access the GPS navigation directions and information screen.

**N.B**



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

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



**Navigation screen legend**

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

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

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

2) Riding mode selected;

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

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

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

6) Fuel gauge;

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

8) distance remaining to arrival at destination;

9) time remaining to arrive at destination;

10) Destination address / Information pop-up;

11) indication of the next turn and relative distance;

12. Rpm indicator;

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

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

15) Automatic lights mode active;

16) Fog lights active (if applicable)

17) Open side stand indicator;

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

19) Range (displayed in km or mi);

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

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

22) Service icon;

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

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

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

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

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

## Key switch

### Ignition switch

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

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

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

**N.B**



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

**N.B**



**THE LIGHTS COME ON AUTOMATICALLY AFTER THE ENGINE STARTS.**

**N.B**

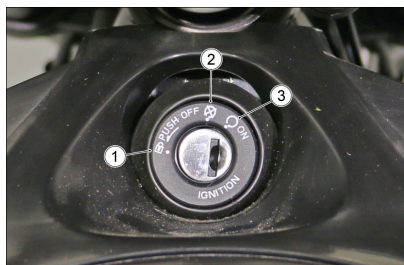


**KEEP THE SPARE KEY IN DIFFERENT PLACE, NOT WITH THE VEHICLE.**

**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

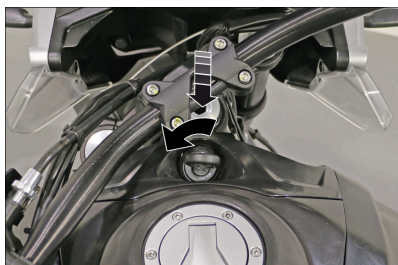
#### ATTENTION



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

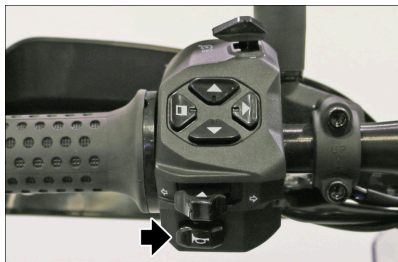
#### To lock the steering:

- 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.



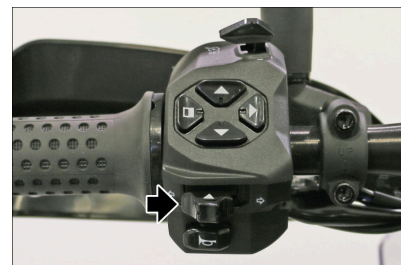
### Horn button

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 of the two following conditions is met:

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

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

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

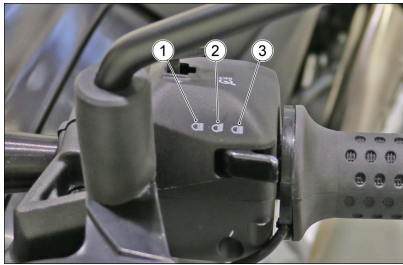
### Light switch

In DRL ON mode (if applicable):

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

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

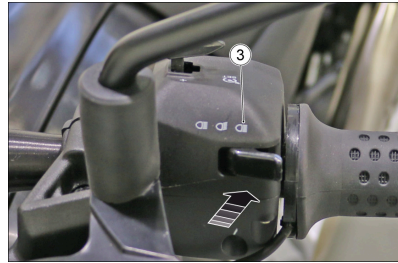
- the low beam lights only are lit when the selector is left in the centre position (2).
- pressing the selector into position (1) switches on the high beam headlight
- press the selector into position (3) to flash the high beam headlamp to signal danger or an emergency.



### High beam flash switch

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

Releasing the switch deactivates the high beam flash.



### Daytime/night lights switch

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



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

N.B



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

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

N.B

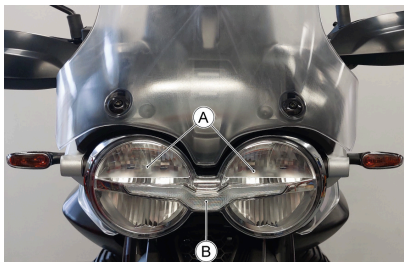


THE FOG LIGHTS WILL BE DEACTIVATED WITH EACH KEY OFF/ON. THE LOW/HIGH BEAM LIGHTS ARE ONLY ON WHEN THE ENGINE IS RUNNING.

N.B



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



**N.B**



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

## Hazard warning lights activation switch

The HAZARD system is only available at key ON.

Pressing the button simultaneously activates the four direction indicators and the corresponding warning light on the

instrument cluster. Pressing the button again switches the system off.

The HAZARD light remains on even after extracting key but it cannot be deactivated.

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

**N.B**



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



## Heated handgrip control

(if applicable)

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

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

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



**N.B**



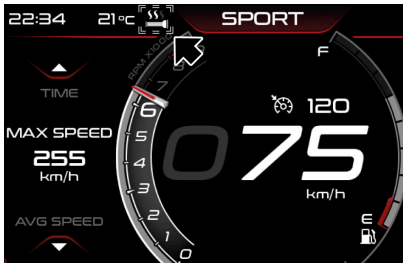
**HEATING OF THE HAND GRIPS, REGARDLESS OF THE INTENSITY LEVEL CHOSEN, ONLY OCCURS WITH THE ENGINE STARTED AND OVER 2000 rpm.**

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

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



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



#### WARNING



**THE FLASHING SYMBOL INDICATES THE MALFUNCTION OF A GRIP.**

**N.B**



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

## Heated saddle 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 display the page dedicated to setting the heated seat. If the seat heating system is present, the system will automatically recognise it and the setting page will appear in the menu.

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



**N.B**



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

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



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

**WARNING**

THE FLASHING SYMBOL INDICATES THE MALFUNCTION OF THE HEATING SYSTEM.

**N.B**

EACH OFF-ON KEY SWITCHES THE SADDLE HEATING OFF.

**Starter button**

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

The following conditions are necessary to permit engine start:

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

**Engine stop switch**

It acts as a safety or emergency switch.

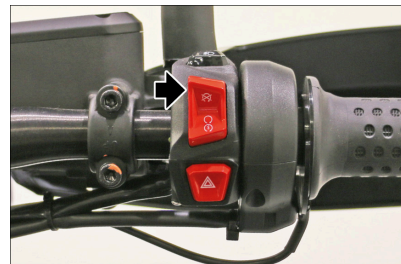
**ATTENTION**

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

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

**N.B**

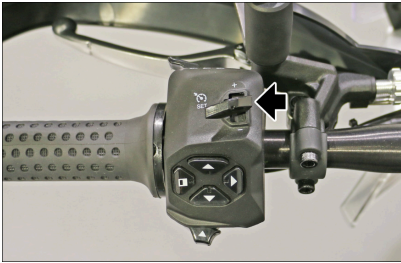
**WITH ENGINE OFF AND THE IGNITION SWITCH SET TO «ON» THE BATTERY MAY DISCHARGE.**

**Cruise Control button**


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

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





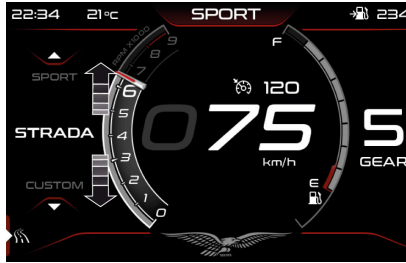
**N.B**




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

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

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



**N.B**



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

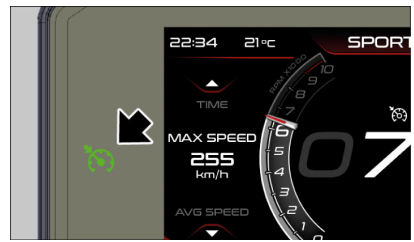
The system can be used in certain ranges of speeds for the gears from the third to the sixth, even during deceleration and with the throttle grip released.

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

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

- The engaged gear cannot be less than the third and even in neutral;
- The brakes should not be operated;
- The clutch must not be operated;
- The speed conforms to the limit established for each gear

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



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



It is possible to increase or decrease the cruising speed by a short press (less than

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



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

- By operating the clutch;
- Operating the front/rear brake;
- Inserting a lower gear than 3rd or shift into neutral;

- By briefly moving the selector to the left;
- If the engine rpm limiter is activated;
- If the tracking control is activated;
- If climbs or particularly steep descents appear;
- Turning the throttle grip in the direction of contrary rotation

The system can be activated any time observing as usual the previously described conditions and keeping the selector pressed upward (for more than 1 second) if you want to reconfirm the last cruise speed used or by briefly moving the selector to the left to set a new cruising speed.

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

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

## The Immobilizer system

### The Immobilizer system function

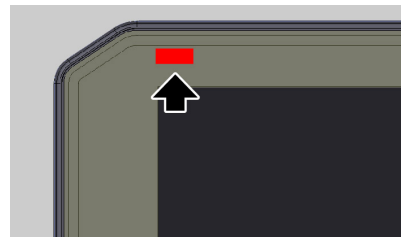
For enhanced theft protection, the vehicle is equipped with an electronic immobilizer

system that is activated automatically when the ignition key is removed.

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

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

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



**N.B**



**THE IMMOBILIZER SYSTEM CAN MEMORISE UP TO FOUR KEYS.**

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

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

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



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



**N.B**



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

## The saddle

### Saddle opening

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



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



(if heated seat present)

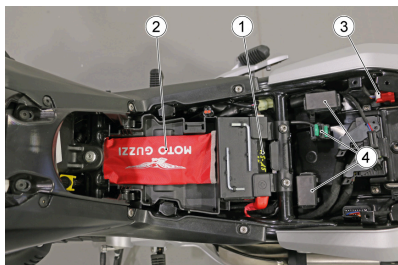
- Disconnect the heated seat connector.



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

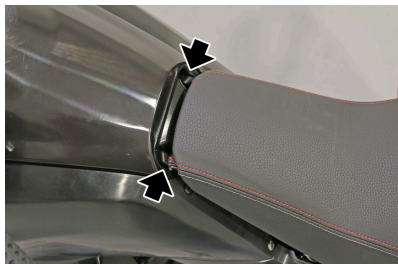


- Once the saddle is removed, there is access to the vehicle's battery (1), to the glove compartment and to the tools kit (2), to the OBD2 socket (3) and to the secondary fuse boxes (4).



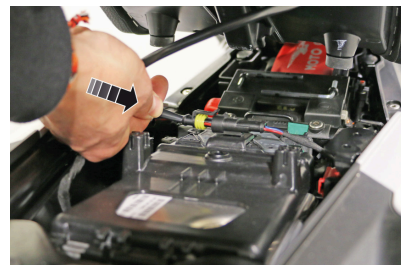
**To lock the saddle:**

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



(if heated seat present)

- Connect the heated seat connector



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



**WARNING**



**BEFORE LOWERING AND LOCKING THE SADDLE, MAKE SURE THAT THE IGNITION KEY 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**

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

To use it, remove the protection cap.



**WARNING**



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

**WARNING**



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

**WARNING**



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

**USB port**

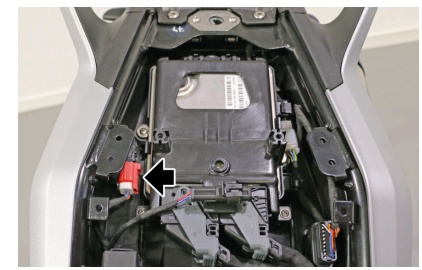
Output voltage (5.00+/-0.25) dc

Charge current 1A Max

**OBD socket**

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

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



**Identification**

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

**WARNING**

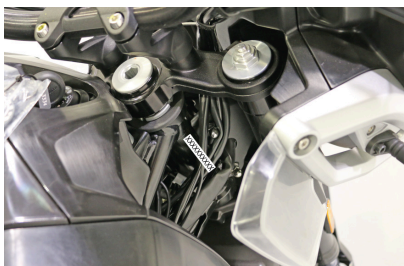


**THE MODIFICATION OF THE IDENTIFICATION CODES IS A SERIOUS PUNISHABLE CRIME. HOWEVER, THE LIMITED WARRANTY FOR NEW VEHICLES WILL BE VOID IF THE VEHICLE IDENTIFICATION NUMBER (VIN) HAS BEEN MODIFIED OR NOT PROMPTLY DETERMINED.**

**FRAME NUMBER**

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

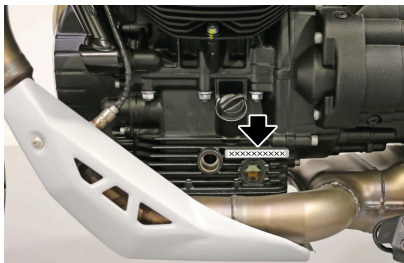
Chassis No. ....



**ENGINE NUMBER**

The engine number is stamped on the left side of the crankcase, above the engine oil inspection sight glass.

Engine No. ....



**Windshield adjustment**

**ATTENTION**



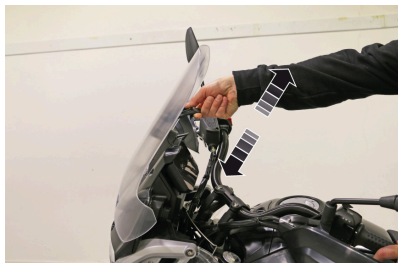
**CARRY OUT WINDSCREEN ADJUSTMENT OPERATIONS ONLY WHEN THE VEHICLE IS STATIONARY.**

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

- Press the adjustment lever on the windscreen.



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



**N.B**



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

# V85TT - V85TT Travel - V85TT Strada



## CHAPTER 03 Usage

## Controls

### 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 dashboard will turn red and the general warning icon will be displayed.



### Pre-ride checks

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

**Throttle grip** Check that the rotation is smooth in both directions and that there is no jamming.

**Engine oil** Check and/or top-up as required.

**Wheels/ tyres** Check that tyres are in good conditions. Check inflation pressure,

### Pre-ride checks

tyre wear and potential damage.

Remove any possible strange body that might be stuck in the tread design.

**Brake levers** Check they function smoothly.

Lubricate the joints and adjust the travel if necessary.

**Clutch lever** Check correct operation and empty travel. Lubricate the joints if necessary.

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



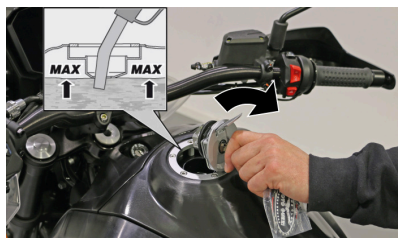
Pre-ride checks	
Side stand	Check that it slides smoothly and that it snaps back to its rest position upon spring tension. Lubricate couplings and joints if necessary.
Clamping elements	Check that the clamping elements are not loose.  Adjust or tighten them as required.
Fuel tank	Check level and refill if necessary.  Check the circuit for leaks or obstructions.  Check that the tank cap closes correctly.
Engine stop switch (ON - OFF)	Check function.
Lights, warning lights, horn and electrical devices	Check function of horn and lights.
Tone wheel	Check that the tone wheels are perfectly

Pre-ride checks
clean and in good conditions.

## Refuelling

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

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

### N.B



**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).



**EN16942**

- 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 rear shock absorber on the V85TT 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

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

N.B



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

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

#### V85TT - V85TT TRAVEL

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



#### V85TT STRADA

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



#### WARNING



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

#### 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

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

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



#### WARNING



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

#### ATTENTION



**ALWAYS OBSERVE THE RECOMMENDED ADJUSTMENT RANGE.**

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

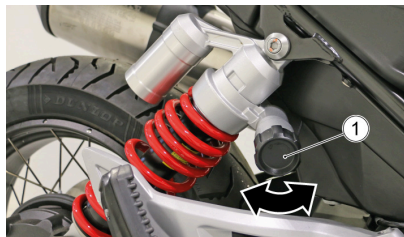
**IF NECESSARY, CONTACT AN Official Moto Guzzi Dealer.**

## Rear shock absorbers setting

### Spring pre-load adjustment

#### V85TT - V85TT TRAVEL

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



#### V85TT STRADA

Turn the adjuster ring (2) with a hook spanner, provided in the tool kit, to adjust

the spring pre-load. Rotate the ring (2) clockwise to increase the pre-load or anticlockwise to decrease the pre-load.



### WARNING



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

### N.B

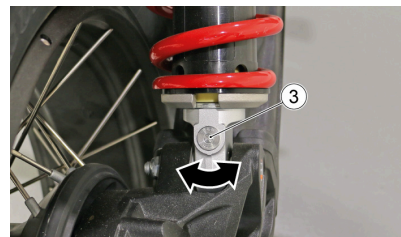


**AS THE PRE-LOAD INCREASES, THE SPRING LENGTH WILL DECREASE, AND VICE VERSA IF THE PRE-LOAD DECREASES, THE SPRING LENGTH WILL INCREASE.**

## Rebound braking adjustment

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

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



### WARNING



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

### RECOMMENDED SETTING

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

### RIDER ONLY

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

**RIDER + LUGGAGE or RIDER + PASSENGER**

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

**RIDER + PASSENGER + LUGGAGE**

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

(\*) = clockwise  
 (\*\*) = anticlockwise

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



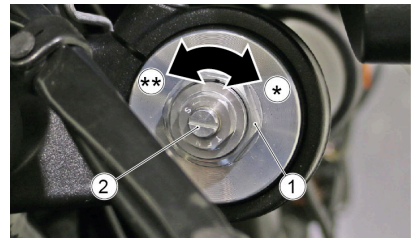
**WARNING**




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

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

The right stem of the fork has 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.**

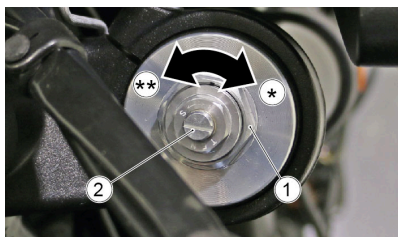
### Setting the front fork

**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.

#### RIDER ONLY

- PRE-LOAD (1) - FROM FULLY OPEN (\*\*)  
CLOSE (\*): 1 notch
- HYDRAULIC BRAKING (2) - FROM FULLY CLOSED (\*) OPEN (\*\*): 10 clicks

- STANCHION PROTRUSION (A) (\*\*\*) FROM TOP YOKE (EXCLUDING COVER): 1 notch

#### RIDER + LUGGAGE or RIDER + PASSENGER

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

#### RIDER + PASSENGER + LUGGAGE

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

(\*) - Clockwise

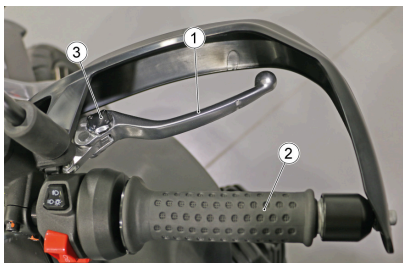
(\*\*) - Anticlockwise

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

### Front brake lever adjustment

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

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



**WARNING**



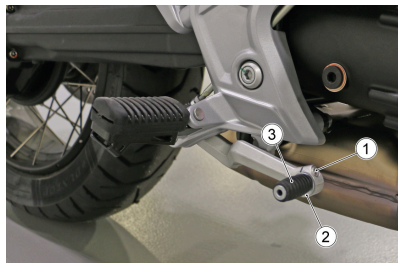
**IF THE FRONT BRAKE LEVER MUST BE REMOVED, CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.**

## Adjusting the rear brake pedal

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

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

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



**WARNING**



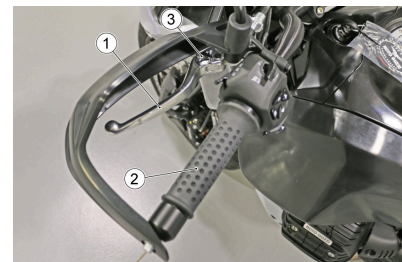
**TO ADJUST THE BRAKE LEVER CLEARANCE, CONTACT AN Official Moto Guzzi Dealer.**

## Clutch lever adjustment

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

- Push the control lever (1) forwards and turn the adjuster (3) until the lever (1) is at the desired distance.

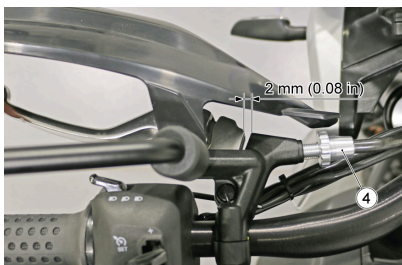
- Turning the adjuster anticlockwise, the lever (1) gets closer to the grip (2).



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

To adjust, do the following:

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

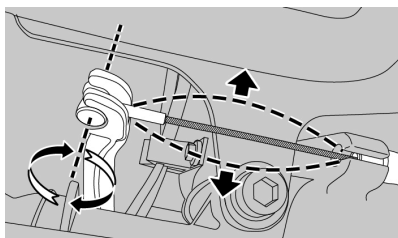


2. Push the clutch control lever on the gearbox housing towards the rear wheel.



3. Pull the clutch control lever placed on the gearbox towards the opposite side (as in point 2) checking that the cable is not tightened.

4. During the previous operation, ensure that the cable lug end rotates freely on its axis in relation to the clutch lever.



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

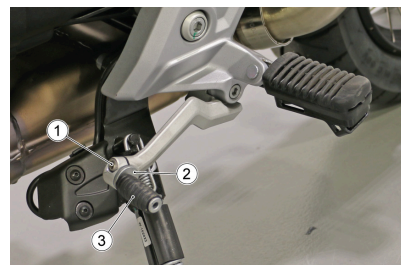
If the adjuster stroke (4) is not sufficient to ensure the required clearance, contact an Authorised **Moto Guzzi Dealer**.

### Gear pedal adjustment

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

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

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



### WARNING



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

### Running-in

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

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



with frequent, gentle acceleration and deceleration;

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

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

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

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

## Engine starter

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

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

### 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

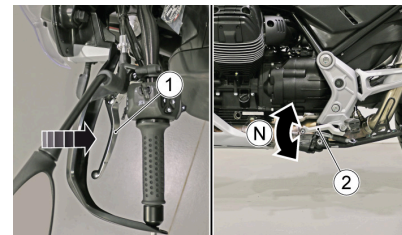


**WITH THE SIDE STAND LOWERED, THE ENGINE MAY ONLY BE STARTED WITH THE GEARBOX IN NEUTRAL.**

**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.

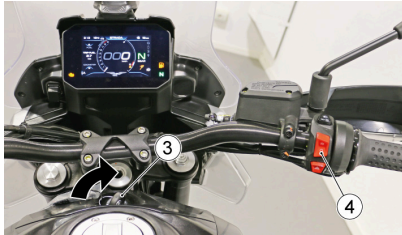


- Turn the ignition key (3) to "ON".

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 dashboard will come on for about 2 seconds.

- Press the starter button (4) once only.
- With the engine operating normally, all instantaneous parameters will be visible in the digital display.



**N.B**



IF THE LOW 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



WHEN RIDING WITHOUT PASSENGERS, MAKE SURE THE PASSENGER FOOTRESTS ARE FOLDED.

#### ATTENTION

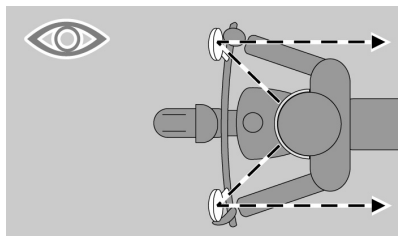


PASSENGERS MUST BE SUITABLY INSTRUCTED ON HOW TO BEHAVE TO PREVENT DANGEROUS SITUATIONS WHEN RIDING.

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

#### To start:

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



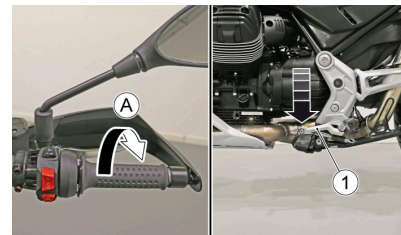
#### ATTENTION



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 gearbox lever (1) downward to select the first gear.



#### ATTENTION

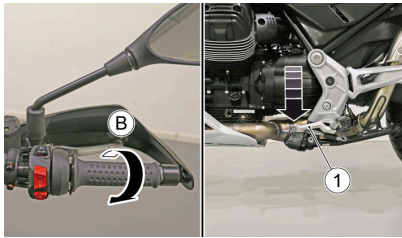


WHEN TURNING OFF THE VEHICLE, DO NOT RELEASE THE CLUTCH TOO QUICKLY OR SUDDENLY, AS THIS COULD CAUSE THE ENGINE TO STOP OR THE VEHICLE TO REAR UP ON THE BACK WHEEL. DO NOT ACCELERATE SUDDENLY WHEN RELEASING THE CLUTCH FOR THE SAME REASON.

- 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 (Pos. A), operate the clutch lever and lift the gear control lever (1), release the clutch lever and accelerate.
- Repeat the last two operations and engage a higher gear.

**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.

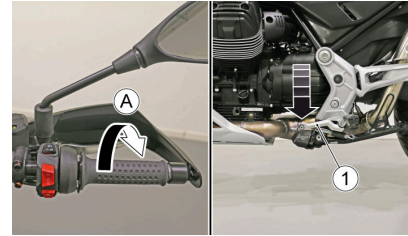
**ATTENTION**

**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 lever (1) to engage a lower gear.

- Release the brake levers when it is operated.
- Release the clutch lever and accelerate moderately to get back into gear.

**WARNING**

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

**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.

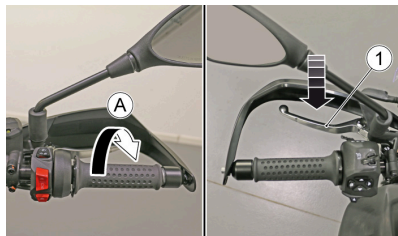
WHEN DRIVING DOWNHILL, NEVER RIDE WITH THE ENGINE TURNED OFF. WHEN RIDING ON WET SURFACES OR SURFACES WITH POOR GRIP (SNOW, ICE, MUD, ETC.) USE MODERATE SPEED, AVOID SUDDEN BRAKING OR MANOEUVRES THAT MAY CAUSE TO A LOSS OF TRACTION AND POSSIBLY TO A FALL OR CRASH.

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



### 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 CO<sub>2</sub> and reduces NO<sub>x</sub> (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.

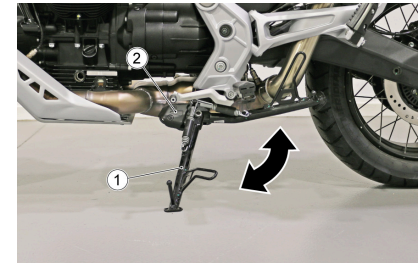


#### ATTENTION



**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.**

**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.**

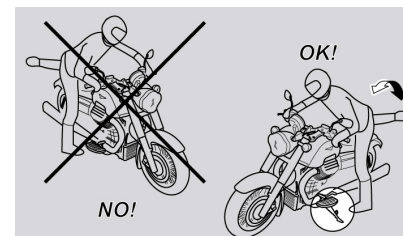
**WHEN DRIVING DOWNHILL, NEVER RIDE WITH THE ENGINE TURNED OFF. WHEN RIDING ON WET SURFACES OR SURFACES WITH POOR GRIP (SNOW, ICE, MUD, ETC.) USE MODERATE SPEED, AVOID SUDDEN BRAKING OR MANOEUVRES THAT MAY CAUSE TO A LOSS OF TRACTION AND POSSIBLY TO A FALL OR CRASH.**

### 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.

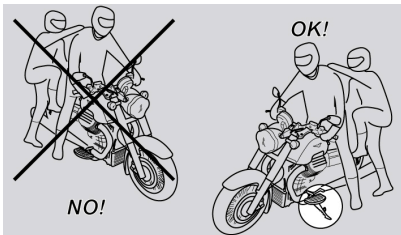
During mounting and dismounting the vehicle's weight can cause a loss of balance, with consequent loss of equilibrium and the possibility of falling or overturning.

#### 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.**

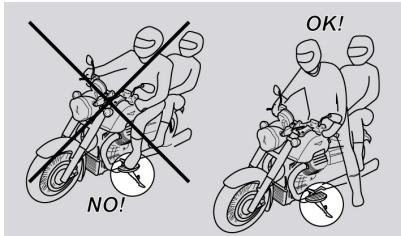
#### MOUNTING

- 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.**



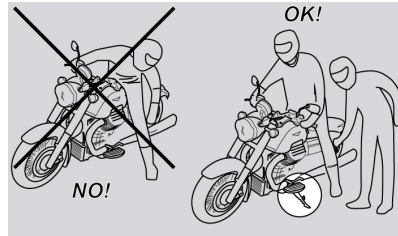
- Place both feet on the ground and straighten the vehicle into the driving position, always maintaining its equilibrium.

**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**

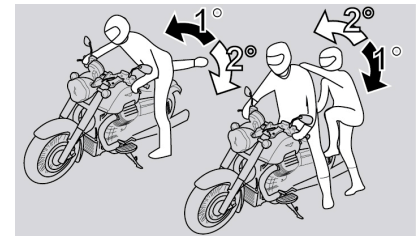
**LOSS OF BALANCE THE LEFT SIDE IS "PROTECTED" BY THE SIDE STAND) AND KEEP YOUR LEFT FOOT READY TO BE POSITIONED.**

- 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.**

**Load****SIDE CASES (V85TT Travel)****N.B**

**FOR V85TT IT IS NECESSARY TO PURCHASE THE SIDE CASES AND THEIR SUPPORTS, WHICH MUST BE INSTALLED BY AN OFFICIAL Moto Guzzi Dealer.**

**N.B**

**FOR V85TT Strada IT IS NECESSARY TO PURCHASE THE SIDE CASES, THEIR SUPPORTS AND THE PASSENGER HANDLE / FRAME SUPPORT ACCESSORIES, WHICH MUST BE INSTALLED BY AN OFFICIAL Moto Guzzi Dealer.**

**WARNING**

**DO NOT LOAD MORE THAN 5 kg (11 lb) FOR EACH CASE, AS AN EXCESSIVE LOAD COULD DAMAGE IT.**

**ATTENTION**

**THE MAXIMUM SPEED PERMITTED WITH THE CASES INSTALLED IS 160 km/h (100 MPH).**

**WARNING**

**EXCESSED VOLUME INSIDE THE CASE MAY COMPROMISE THE WATERPROOFING OF THE CASE.**

**ATTENTION**

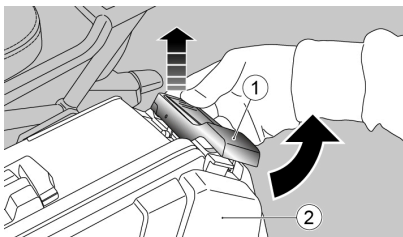
**BEFORE STARTING, MAKE SURE THAT THE CASES ARE CLOSED AND CORRECTLY ATTACHED TO THE VEHICLE.**

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

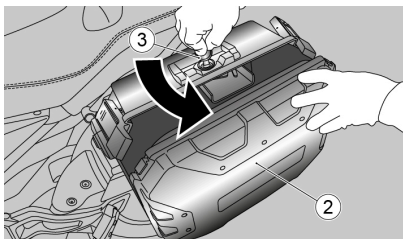
**COVER OPENING****N.B**

**THE FOLLOWING OPERATIONS REFER TO A SINGLE CASE BUT ARE VALID FOR BOTH.**

- Lift the closure levers (1) at the rear part and then release them from the cover (2).



- Insert the key (3) in the case lock and turn it anticlockwise to open the cover (2).



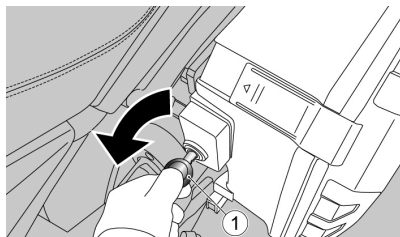
**N.B**



**THE KEY USED TO OPEN THE CASES CAN ONLY BE REMOVED WHEN THE LOCK IS CLOSED.**

### REMOVAL OF SIDE CASES

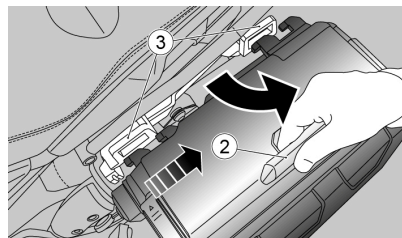
- Insert the key (1) in the case lock and turn it anticlockwise to release it.



**N.B**



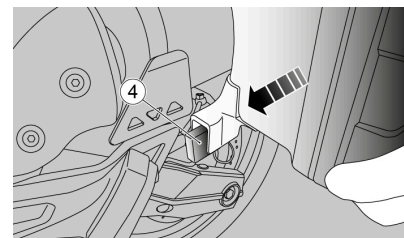
**THE KEY USED TO RELEASE AN REMOVE THE CASES CAN ONLY BE REMOVED WHEN THE LOCK IS CLOSED**



**ATTENTION**



**TO REFIT THE CASES, ENSURE THAT THE LOWER PART ALSO CLICKS ON THE SUPPORT (4).**





# V85TT - V85TT Travel - V85TT Strada



## CHAPTER 04 Maintenance

## Foreword

In general terms, scheduled maintenance can be carried out by the owner; however, some operations may require specific tools and technical training. For periodic maintenance, servicing or technical advice, contact an **Official Moto Guzzi Dealer** for prompt and accurate service.

**N.B**



**THE ELECTRONIC CONTROL SYSTEM OF THIS VEHICLE IDENTIFIES FAULTS IN REAL TIME AND STORES THEM IN ITS MEMORY FOR SUBSEQUENT READING WITH THE DIAGNOSTIC SYSTEM USED BY Authorised Moto Guzzi Dealers.**

**ANY TIME THE IGNITION SWITCH IS SET TO "ON", THE "GENERAL ALARM" WARNING LIGHT ON THE INSTRUMENT PANEL TURNS ON FOR THREE SECONDS. IF THE WARNING LIGHT TURNS OFF, IT MEANS THAT THERE ARE NO MALFUNCTIONS.**

**N.B**



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

## Engine oil level

### Checking the engine oil level

Check the engine oil level frequently.

**N.B**



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

### WARNING



**THE 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).**

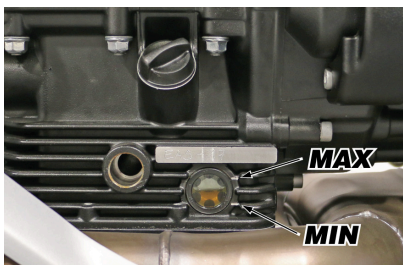
- Shut off the engine.
- Keep the vehicle upright with both wheels on the earth.
- Check the engine oil level through the inspection port on the left side of the crankcase.

**MAX** (top notch) = maximum level.

**MIN** (bottom notch) = minimum level

- The oil level is correct when it close to the "**MAX**" mark.



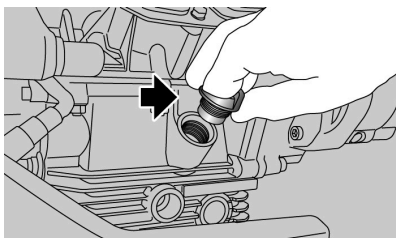
**WARNING**

THE OIL LEVEL MUST NEVER DROP BELOW THE MINIMUM MARKING OR EXCEED THE MAXIMUM MARKING; AN OIL LEVEL NOT WITHIN THE MINIMUM AND MAXIMUM MARKINGS MAY CAUSE SEVERE ENGINE DAMAGE.

**Engine oil top-up**

If the engine oil needs to be topped up, proceed as follows:

- Unscrew and remove the filler plug.

**WARNING**

ONLY USE THE ENGINE OIL TYPE INDICATED IN THE RECOMMENDED FLUIDS AND LUBRICANTS TABLE.

- Pour in the necessary quantity of engine oil to reach the correct level.

**WARNING**

DO NOT ADD ADDITIVES OR ANY OTHER SUBSTANCES TO THE OIL. WHEN USING A FUNNEL OR ANY OTHER ELEMENT, MAKE SURE IT IS PERFECTLY CLEAN.

**WARNING**

THE OIL LEVEL MUST NEVER DROP BELOW THE MINIMUM MARKING OR EXCEED THE MAXIMUM MARKING; AN OIL LEVEL NOT WITHIN THE MINIMUM AND MAXIMUM MARKINGS MAY CAUSE SEVERE ENGINE DAMAGE.

**Engine oil change****WARNING**

THE ENGINE OIL MUST BE CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.

**Engine oil filter replacement****WARNING**

THE ENGINE OIL FILTER MUST BE CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.

**Bevel gear oil level**

**WARNING**

TO TOP-UP OR CHANGE THE OIL IN THE CARDAN SHAFT TRANSMISSION UNIT, CONTACT AN Official Moto Guzzi Dealer.

**Gearbox oil level****WARNING**

THE GEARBOX OIL MUST BE CHECKED AND CHANGED BY AN Official Moto Guzzi Dealership.

**Tyres**

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

**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.

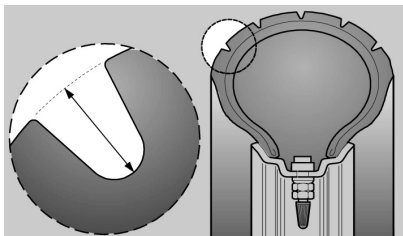
USE ONLY TYRE SIZES INDICATED BY THE MANUFACTURER. DO NOT FIT TYRES WITH INNER TUBES ON RIMS FOR TUBELESS TYRES OR VICE VERSA. CHECK THAT THE INFLATION VALVES HAVE THEIR CAPS FITTED TO AVOID UNEXPECTED FLAT TYRES.

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.

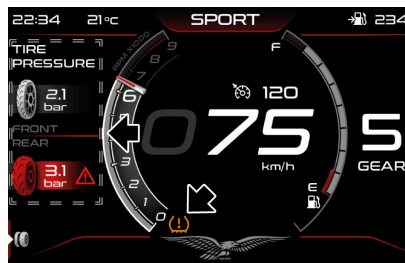


#### (if applicable)

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.**

## Brake fluid level check

### Front brake fluid check

- Keep the vehicle upright so that the fluid in the reservoir is at the same level as the plug.
- Make sure that the fluid level in the reservoir is above the "MIN" reference mark.

**MIN** = minimum level

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

- Check the brake pads and discs for wear.

If the brake pads and/or brake discs do not have to be replaced, have the braking system checked at an **Official Moto Guzzi Dealership**.



#### WARNING



**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.
- Make sure that the fluid level in the reservoir is above the "MIN" reference mark.

**MIN** = minimum level

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

- Check the brake pads and disc for wear.

If the brake pads and/or brake disc do not have to be replaced, have the braking system checked at an **Official Moto Guzzi Dealership**.



#### WARNING



**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.**

## Battery

### Charging the battery

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

#### 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**

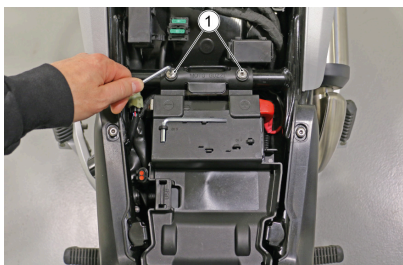
- Electric current: 1,4 A
- Time: 5-10 hours

##### **Quick charge**

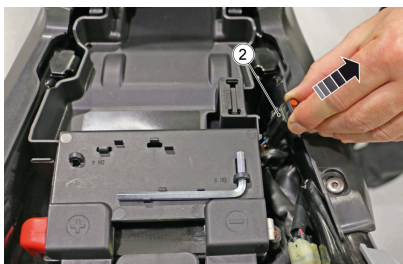
- Electric current: 6 A
- Time: 1 hours

### Battery removal

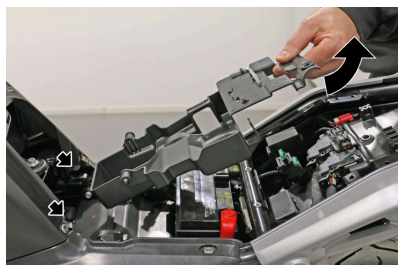
- Ensure that the ignition switch is turned to "KEY OFF"
- Remove the saddle;
- Remove the fixing screws (1) of the storage compartment;



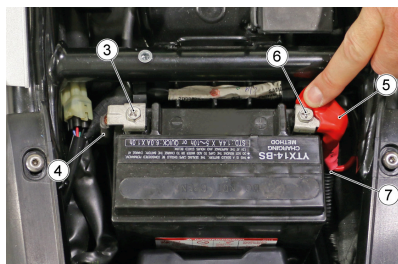
- Disconnect the connector (2) of the second USB socket (optional);



- Unhook the storage compartment from the front part and remove it.



- Unscrew and remove the screw (3) from the negative terminal (-).
- Move the negative lead (4) aside.
- Move the protection cap (5), unscrew and remove the screw (6) from the positive terminal (+).
- Move the positive lead (7) aside.
- Grip the battery firmly and remove from its seat.
- Put the battery away on a level surface, in a cool and dry place.



### WARNING



**CHECK THAT THE CABLE TERMINALS AND BATTERY LEADS ARE:**

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

**N.B**



**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.**

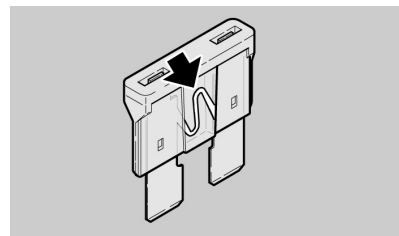
### WARNING



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

### To check:

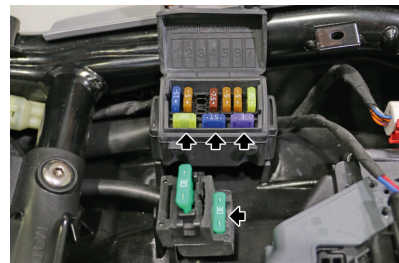
- Set the ignition switch to 'OFF' to avoid an accidental short circuit.
- Remove the seat.
- Remove the fuse box cover.
- Take out one fuse at a time and check if the filament is broken.
- Before replacing the fuse, find and solve, if possible, the reason that caused the problem.
- If the fuse is damaged,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



**N.B**



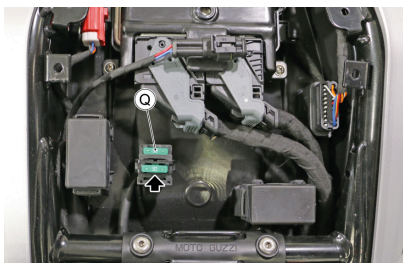
**IF THE SPARE FUSE IS USED, REPLACE WITH ONE OF THE SAME TYPE IN THE CORRESPONDING FITTING.**



### MAIN FUSE

- It is located under the passenger saddle, in front of the E.C.U. control unit.
- **If there is a problem with the main fuse, DO NOT replace it, but take**

your vehicle to an Official Moto Guzzi dealer.



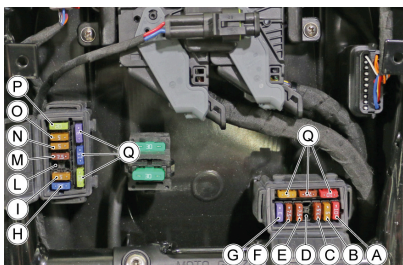
### MAIN FUSE

30A fuse                      Loads of the entire vehicle.

Q) Spare fuse

### SECONDARY FUSES

- They are located under the passenger saddle, between the battery and the E.C.U. control unit.



### AUXILIARY FUSES (1)

A) 10A fuse                      Rear position, horn, licence plate light.

B) 5A fuse                      Fog lights live positive lead (if applicable).

C) 7.5A fuse                      Positive key-on power for ECU, positive key-on power for instrument panel, positive key-on power for ABS, positive key-on power for right light switches (START), secondary starter relay, positive key-on power for inertial platform, positive key-on power for TPMS.

D)                                      Free

E) 7.5A fuse                      Positive key-on power for GMP, positive key-on power for OBD2, positive key-on power for anti-theft system.

### AUXILIARY FUSES (1)

F) 7.5A fuse                      Positive key-on power for headlamp (load).

G) 3A fuse                      USB 1 and USB 2 positive key-on power (if provided).

Q) Spare fuses

### AUXILIARY FUSES (2)

H) 15A fuse                      Power feed: Fan relay, ECU, fuel pump relay, RH and LH lambda probe, RH and LH injector, RH and LH coil, secondary air valve, PURGE valve.

I) 5A fuse                      Power feed: anti-theft device provision, OBD2.

L)                                      Free

M) fuse of 7.5A                      ECU permanent positive lead

N) fuse of 5A                      Power: Guzzi MIA, heated seat.

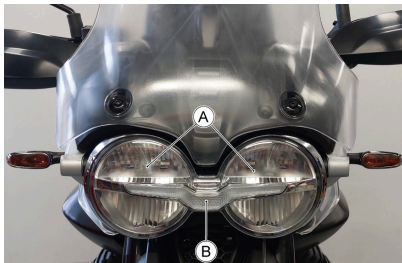
**AUXILIARY FUSES (2)**

O) 5A fuse	Instrument panel power supply (turn indicators).
P) 20A fuse	ABS power feed.
Q) Spare fuses	

**Front light cluster**

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

- two low beam/high beam light modules (A);
- A DRL / position module (with low beam switched on) (B);



**N.B**



**WHEN THE REAR WHEEL EXCEEDS THE SPEED OF 1 km/h (0.62 mph) (EVEN WITH THE ENGINE OFF, AND THE KEY SET TO ON), THE HEADLIGHTS WILL TURN ON AND WILL REMAIN ON FOR 30 SECONDS (FROM THE TIME IN WHICH THE REAR WHEEL STOPS MOVING).**

**WARNING**

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

**Headlight adjustment**

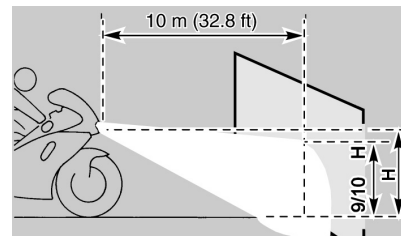
**N.B**



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

**For a quick check of the correct direction of the front light beam:**

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



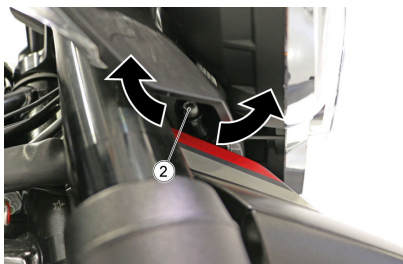
**In order to carry out the vertical adjustment of the light beam:**

- Stand the motorcycle in a vertical position.
- Slightly loosen the headlamp fixing screws (1) on both sides.





- Slightly loosen the headlamp fixing screw (2), and move the light beam manually to the desired position.
- Once the adjustment is finished tighten all screws.



After adjusting:

- CHECK THAT THE VERTICAL ALIGNMENT OF THE BEAM IS CORRECT.

## Front turn indicators

### WARNING



**TO REMOVE, CHECK AND REPLACE THE FRONT TURN INDICATORS, PLEASE CONTACT AN Authorised Moto Guzzi Dealership.**

## Rear light assembly

### WARNING



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

## Rear turn indicators

### WARNING



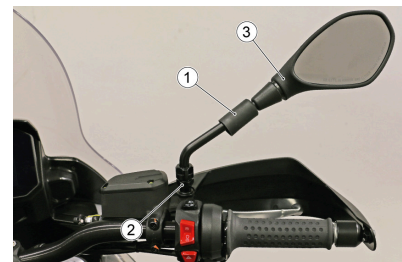
**TO REMOVE, CHECK AND REPLACE THE REAR TURN INDICATORS, PLEASE CONTACT AN Authorised Moto Guzzi Dealership.**

## Rear-view mirrors

### Removing the rear-view mirrors:

- Rest the vehicle on its stand.
- Lift the rubber protection (1).
- Unscrew the locking nut (2) while holding the complete mirror (3).
- Slide up and remove the complete rear-view mirror unit (3).

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



### 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.**

### Rear-view mirrors adjustment:

### ATTENTION

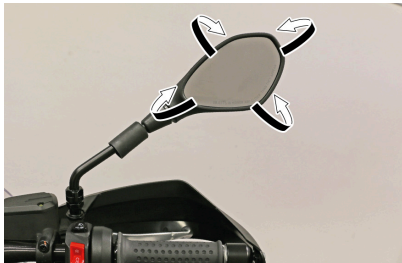


**DO NOT RIDE WITH REAR-VIEW MIRRORS INCORRECTLY SET.**

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

- Get onto the bike in the riding position.
- Make sure there is no dirt and/or mud on the reflective surface of the mirror.
- Turn the mirror, correctly adjusting the inclination.

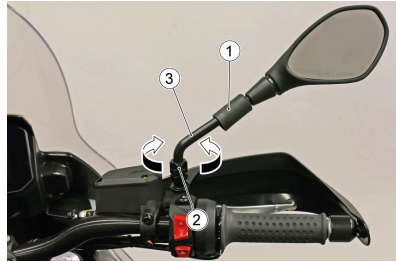
Repeat the procedure to adjust the other mirror.



If the support rod is not oriented like the handlebar, proceed as follows:

- Rest the vehicle on its stand.
- Lift the rubber protection (1).
- Loosen the lock nut (2).
- Rotate the rod (3) until it is aligned with the handlebar.

- Tighten the lock nut (2) and put the rubber protection (1) back on.



### Front and rear disc brake

#### 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

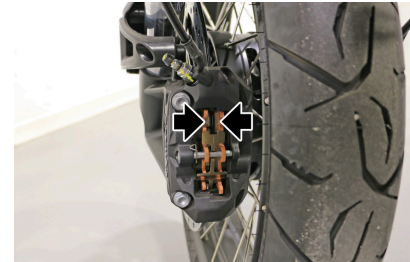


**CHECK BRAKE PADS FOR WEAR MAINLY BEFORE EACH RIDE.**

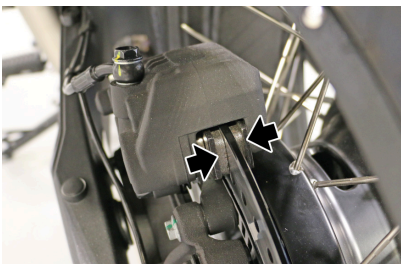
#### To perform a quick pad wear check:

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

- **For the front brake callipers:** Check the thickness of the friction material on the rear side of each brake calliper.



- **For the rear brake calliper:** Check the thickness of the friction material on the rear side of the brake calliper.

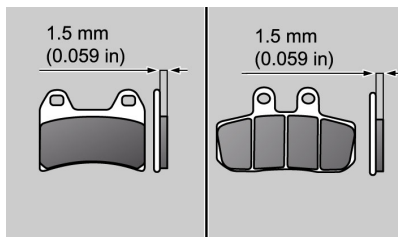


#### ATTENTION



**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 one front or rear pad) is reduced to a value of about **1.5 mm (0.059 in)** (or even if just one of the wear indicators is no longer visible), contact an **Official Moto Guzzi Dealer** to replace all the brake pads.

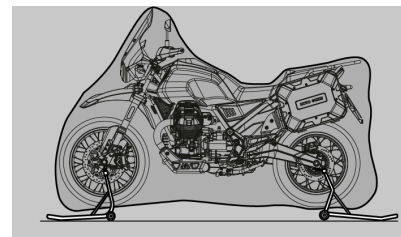


#### vehicle inactivity

A number of precautionary measures must be taken to prevent the possible consequences of prolonged lack of usage of the vehicle. Besides, it is necessary to carry out general repairs and checks before garaging the motorcycle as one can forget to do so afterwards.

Proceed as follows:

- Remove the battery.
- Wash and dry the motorcycle.
- Apply wax polish to painted and chromed surfaces.
- Inflate the tyres.
- Store the motorcycle in a cool, dry place, not exposed to sun rays and with minimum temperature variations.
- Wrap and tie a plastic bag around the exhaust pipe opening to keep moisture out.



#### WARNING



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

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

#### ATTENTION



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

#### AFTER STORAGE

**N.B**



### TAKE THE PLASTIC BAGS OFF THE EXHAUST PIPE OPENINGS.

- 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.

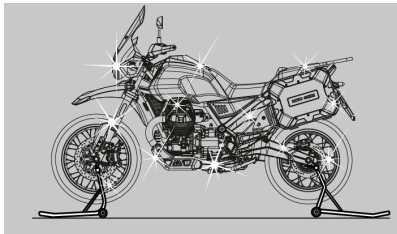
### WASHING THE MOTORCYCLE

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 STEERING BEARING, 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)

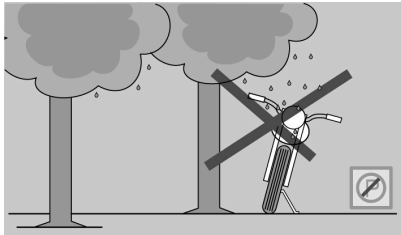
### WARNING



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.**

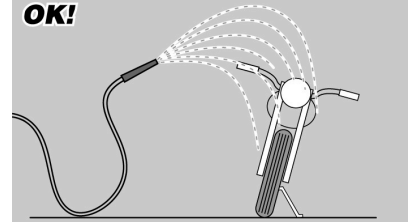
**BRAKE REPEATEDLY TO RESTORE NORMAL OPERATION.**

**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.

**OK!**



**WARNING**



**NEVER USE CLOTHS SOAKED IN PETROL, DIESEL OIL OR KEROSENE FOR CLEANING THE PAINTED OR PLASTIC SURFACES SO AS NOT TO DAMAGE THE 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 AIM HIGH PRESSURE AIR/WATER JETS OR STEAM JETS DIRECTLY ON THESE COMPONENTS. 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

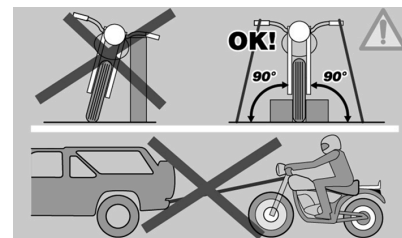
#### ATTENTION



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.







# V85TT - V85TT Travel - V85TT Strada



## CHAPTER 05 Technical data

## Data

DIMENSIONS AND MASS	
Maximum length (V85 TT - V85 TT Travel)	2245 mm (88.39 in)
Maximum length (V85 TT Strada)	2,185 mm (86.02 in)
Maximum width (V85 TT - V85 TT Travel)	955 mm (37.60 in)
Maximum width (V85 TT Strada)	870 mm (34.25 in)
Height (with adjustable windshield) (V85 TT - V85 TT Strada)	1360 - 1420 mm (53.54 - 55.91 in)
Height (with adjustable windshield) (V85 TT Travel)	1410 - 1470 mm (55.51 - 57.87 in)
Wheelbase	1525 mm (60.04 in)
Kerb weight (V85 TT)	230 kg (507.06 in)
Kerb weight (V85 TT Travel)	243 kg (535.72 in)
Kerb weight (V85 TT Strada)	226 kg (498.24 in)

ENGINE	
Type	traverse-mounted twin-cylinder four-stroke V 90°
Number of cylinders	2
Engine capacity	853 cc (52.05 cu in)
Bore / stroke	84x77 mm (3.31x3.03 in)
Compression ratio	10.5 ± 0.5: 1
Ignition	Electric
Idle engine speed	1,250 +/- 100 (rpm)
Clutch	single disc dry clutch with flexible coupling
Lubrication system	pressure-fed, controlled by valves and trochoidal pump
Air filter	cartridge-type filter
Cooling	air

GEARBOX	
Type	mechanical, 6 speeds with foot lever on the left hand side of the engine
CAPACITY	
Fuel tank capacity (including reserve)	23 +/- 1 l (5.06 +/- 0.22 UK gal; 6.08 +/- 0.26 US gal)
Fuel tank reserve capacity	5 +/- 0.5 l (1.10 +/- 0.11 UK gal; 1.32 +/- 0.13 US gal)
Engine oil	Oil change and oil filter replacement: 1760 cm <sup>3</sup> (107.40 cu.in)
Gearbox oil	700 cc (42.72 cu in)
Bevel gear set oil	180 cm <sup>3</sup> (10.98 cu.in)
Bevel gear oil (in case of replacement)	130 cc (7.93 cu in) MAX
Seats	2

CAPACITY	
Maximum carrying load (V85 TT)	462 kg (1018.54 lb) (rider + passenger + luggage)
Maximum carrying load (V85 TT Travel)	462 kg (1018.54 lb) (rider + passenger + luggage)
Maximum carrying load (V85 TT Strada)	462 kg (1018.54 lb) (rider + passenger + luggage)

TRANSMISSION	
Primary drive	with gears, ratio: 18/23 = 1 : 1,277
Gear ratios 1st gear	16 / 39 = 1 : 2,437
Gear ratios 2nd gear	18 / 32 = 1 : 1,777
Gear ratios 3rd gear	21 / 28 = 1 : 1,333
Gear ratios 4th gear	24 / 26 = 1 : 1,083

TRANSMISSION	
Gear ratios 5th gear	25 / 24 = 1 : 0,96
Gear ratios 6th gear	27 / 24 = 1 : 0,888
Final drive	with shaft, ratio 8 / 33 = 1 : 4,125

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

CHASSIS	
Type	high strength tubular steel frame
Steering rake angle	25,7°
Trail	128.3 mm (5.05 in)

SUSPENSION	
Front	41 mm (1.61 in) diameter hydraulic telescopic fork with adjustable spring preload and hydraulic rebound damping.
Travel	168 mm (6.61 in)
Rear	Swingarm in die-cast light alloy with 1 shock absorber with adjustable spring pre-loading and hydraulic brake extension.
Travel	102 mm (4.02 in)

BRAKES	
Front	Ø 320-mm (12.59 in) stainless steel floating disc, calliper with 4 Ø 32 mm (1.26 in) counteracting plungers

BRAKES	
Rear	260 mm (10.24 in) stainless steel disc, floating calliper with two 22 mm (0.87 in) diameter pistons

WHEEL RIMS	
Type (V85 TT - V85 TT Travel)	alloy, with spokes
Type (V85 TT Strada)	alloy monoliths, spoked
Front	2.5" x 19"
Rear	4.25" x 17"

TYRES	
Front	110 / 80 R19 59V
Tyre pressure	2.5 bar (250 kPa) (36.26 PSI)
Rear	150 / 70 R17 69V
Tyre pressure	2.8 bar (280 Kpa) (40.61 PSI)

<b>ATTENTION</b>	<b>When using anti-skid wheels it is recommended</b>
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TYRES	
	<b>to decrease the inflation pressure by 0.2 bar (20 Kpa) (2.90 PSI) at the front and 0.3 bar (30 Kpa) (4.35 PSI) at the rear.</b>

SPARK PLUGS	
Standard	NGK IR MR8BI-8
Spark plug electrode gap	0.8 mm (0.031 in)
Resistance	7.5 KOhm (MAX)

ELECTRICAL SYSTEM	
Battery	12 V – 12 Ah
Fuses	30 - 20 - 15 (3) - 7.5 (4) A
Permanent magnet alternator	12V - 430W

BULBS	
High beam/low beam light	LED
Fog lights	LED

BULBS	
Front DRL	LED
Turn signal lights	LED
Rear running light / brake light	LED
Dashboard lighting	LED

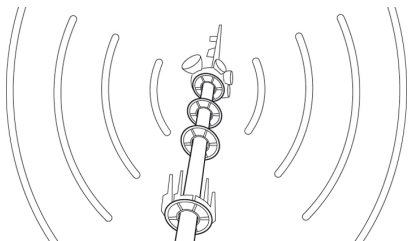
INDICATOR LAMPS	
Gearbox in neutral	LED
High beam headlight	LED
Cruise control warning light	LED
ABS warning light	LED
MI warning light	LED
Turn indicators	LED
Overspeed threshold / gear shift warning lights	LED
Immobilizer warning light	LED
Fuel reserve	LED
MGCT warning light	LED

INDICATOR LAMPS	
General alarm	LED
Daytime running lights warning light	LED
Side stand warning light	LED

### RED DIRECTIVE 2014/53/EU

All the radio frequency devices installed on this vehicle by the constructor are compliant with EU Directive 2014/53/EU (also known as the RED directive). The relative homologation documents are available at the following web address:

[redhomologation.piaggiogroup.com](http://redhomologation.piaggiogroup.com)





# V85TT - V85TT Travel - V85TT Strada



## **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 160 kph.

THE VEHICLE CAN BE RIDDEN AT A HIGHER SPEED WITHOUT THE ACCESSORIES MENTIONED BEFORE WITHIN THE LIMITS ESTABLISHED BY LAW.

IF THERE ARE ANY NON-ORIGINAL ACCESSORIES INSTALLED, OR AN ABNORMAL LOAD, OR IF THE MOTORCYCLE IS NOT IN A GENERALLY GOOD CONDITION, OR WHENEVER WEATHER CONDITIONS DEMAND IT, SPEED SHOULD BE FURTHER REDUCED.

N.B





**MOUNTING THE REAR TOP  
CASE (MAX. LOAD 5Kg)  
REQUIRES THE MOUNTING OF  
THE CORRESPONDING SUPPORT  
SUPPLIED WITH THE VEHICLE.**



# V85TT - V85TT Travel - V85TT Strada



## CHAPTER 07 Scheduled maintenance

## The value of service

As a result of continuous updates and specific technical training programmes for Moto Guzzi products, only **Moto Guzzi** Official Network mechanics know this vehicle fully and have the specific tools necessary to carry out maintenance and repair operations correctly.

The reliability of the vehicle also depends on its mechanical conditions. Checking the vehicle before riding it, its regular maintenance and the use of original Moto Guzzi spare parts only are essential factors!

For information on the nearest **Official Dealer and/or Service Centre** consult our website:

[www.Motoguzzi.com](http://www.Motoguzzi.com)

## Scheduled maintenance

Proper maintenance is a crucial factor in prolonging the durability of the vehicle and keeping it in perfect working order.

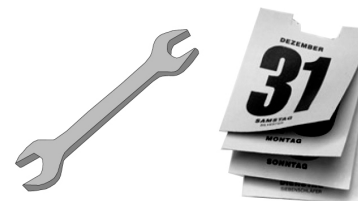
### Scheduled maintenance table

The scheduled maintenance table refers to road use. If the new V85 is used for sports, in difficult conditions and on demanding roads, to correctly monitor the actual engine oil ageing there is an electronic device that registers the engine performance and allows predicting the need for maintenance.

For this purpose, when the maintenance icon (see the image) lights up steadily, you must contact a Moto Guzzi service centre to schedule the specific maintenance intervention. In this regard, we would like to remind you that operating the vehicle with degraded engine oil compromises the reliability of the mechanical organs, resulting in early damage and wear of the components.

To ensure that maintenance is carried out correctly, the constructor has defined the schedule of checks and services (performed at the owner's expense) summarised in the table given in the following page. It is a good idea to report small performance anomalies right away to an **Authorised Service Centre**, without waiting for the next scheduled service, so they can be repaired immediately.

All scheduled maintenance services must be carried out at the prescribed times, even if the specific mileage has not yet been reached. Services must be performed punctually at the correct intervals to maintain the validity of the warranty. For any additional information concerning Warranty procedures and 'Scheduled Maintenance', please consult the 'Warranty Conditions'.



**N.B**



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



Km x 1000 (mi x 1000)	1,5 (0.9)	10 (6.2)	20 (12.4)	30 (18.6)	40 (24.9)	50 (31.1)	60 (37.3)	EVERY 12 MONTHS	EVERY 24 MONTHS
Oil filter cover O-ring	R	R	R	R	R	R	R	R	R
Gearbox oil filler plug O-ring				I			I		
Engine oil filler plug O-ring	I	I	I	I	I	I	I	I	I
Fork plug O-ring					I				
Spark plugs		I	I	R	I	I	R		
Steering bearings and steering play	I	I	I	I	I	I	I	I	I
Wheel bearings - Wheels		I	I	I	I	I	I	I	I
Diagnosis by tool	I	I	I	I	I	I	I	I	I
Brake discs - Pads wear (4)	I	I	I	I	I	I	I	I	I
Air filter		R	R	R	R	R	R		
Engine oil filter	R	R	R	R	R	R	R	R	R

**7 Scheduled maintenance**

<b>Km x 1000 (mi x 1000)</b>	<b>1,5 (0.9)</b>	<b>10 (6.2)</b>	<b>20 (12.4)</b>	<b>30 (18.6)</b>	<b>40 (24.9)</b>	<b>50 (31.1)</b>	<b>60 (37.3)</b>	<b>EVERY 12 MONTHS</b>	<b>EVERY 24 MONTHS</b>
Vehicle general operation	I	I	I	I	I	I	I	I	I
Valve clearance	A	A	A	A	A	A	A		
Head cover gasket	I	I	I	I	I	I	I		
Gearbox oil discharge plug aluminium gasket				R				R	
Engine oil discharge plug aluminium gasket	R	R	R	R	R	R	R	R	R
Transmission oil discharge plug gasket				R				R	
Gasket for the engine oil filter fastening screw	R	R	R	R	R	R	R	R	R
Brake systems	I	I	I	I	I	I	I	I	I
Light circuit	I	I	I	I	I	I	I	I	I
Safety switches	I	I	I	I	I	I	I	I	I
Brake fluid	I	I	I	I	I	I	I	I	R
Gearbox oil				R				R	
Fork oil (5)						R			
Engine oil (3)	R	R	R	R	R	R	R	R	R
Final drive oil				R				R	
Headlight aiming		I	I	I	I	I	I		
Fork oil seals (1)		I	I	I			I	I	

Km x 1000 (mi x 1000)	1,5 (0.9)	10 (6.2)	20 (12.4)	30 (18.6)	40 (24.9)	50 (31.1)	60 (37.3)	EVERY 12 MONTHS	EVERY 24 MONTHS
Tyres - pressure / wear (2)	I	I	I	I	I	I	I	I	I
Clutch clearance adjustment	A	A	A	A	A	A	A	A	A
Transmission oil filler plug washer				R			R		
Nut/bolt tightness	I	I	I	I	I	I	I		
Suspensions and stability			I		I		I	I	I
Head cover fastening screws dampers	I	I	I	I	I	I	I		
Filter box drain plug		C	C	C	C	C	C	C	C
Brake lines		I	I	I	I	I	I		
Fuel pipes		I	I	I	I	I	I	I	I

**Key:**

- **I** : CHECK AND CLEAN, ADJUST, LUBRICATE OR REPLACE, IF NECESSARY
- **C**: CLEAN
- **R**: REPLACE
- **A**: ADJUST
- (1) Replace in case of leaks.
- (2) Check every month.
- (3) Check every 500 km (310 mi).
- (4) Check and clean, adjust or replace if necessary every 1,000 km (621 mi).
- (5) Replace at whichever of the following occurs first: 40,000 km (24.855 mi) or 4 years.

## Recommended products

Piaggio Group recommends the use of products from its official partner Castrol for the scheduled maintenance of its vehicles.

Only use lubricants and fluids which meet or exceed the performance characteristics specified. This also applies when topping up only.



### Table of recommended products

Product	Description	Specifications
Engine oil 10W-60	Synthetic based Lubricant for four stroke high performance engines.	SAE 10W 60; JASO MA, MA2; API SG
75W-140 lubricant for gearboxes and transmissions	Synthetic lubricant for gearboxes and transmissions	SAE 75W-140 - API GL5
Fork oil 7.5W	Fork oil.	SAE 7.5W
Molybdenum disulphide grease	Lithium grease with molybdenum disulphide.	Grey black grease
Petroleum jelly	neutral grease for battery terminals	-
DOT 4 brake fluid	Synthetic brake fluid.	SAE J 1703; FMVSS 116; ISO 4925; CUNA NC 956 DOT4







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