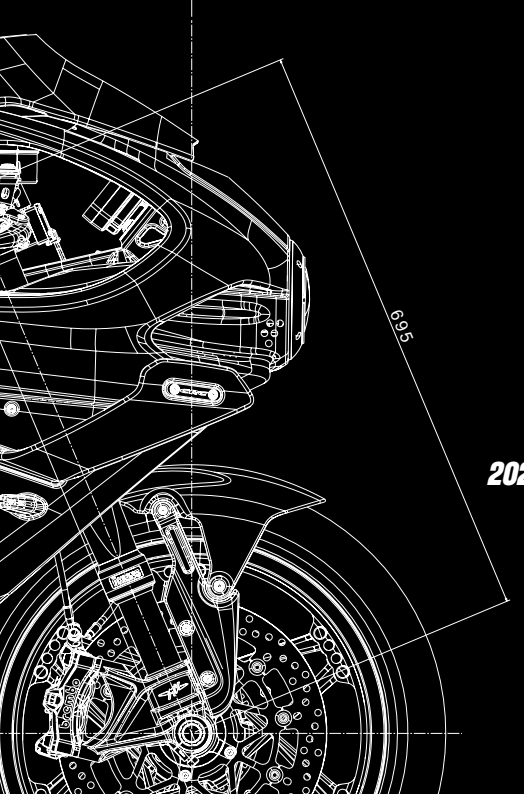


Motorcycle Art

SINCE 1945

2025

OWNER'S MANUAL

EU - EN

SUPERVELOCE 1000 AGO


AGUSTA

Dear Customer,

We wish to thank you for your preference and congratulate you on purchasing your new Superveloce 1000 AGO.
The legendary alliance between Giacomo Agostini and MV Agusta, which brought to the attainment of thirteen World Championship titles and numberless victories, lives again by means of a unique and exclusive vehicle, whose high speed and performance characteristics reflect and magnify the matchless agonistic career of a great champion.
Superveloce 1000 AGO represents at one time a cult item worldwide and a rigorous evolution in the field of technological innovation, improved by a new and aggressive aesthetic appearance which recalls the colours of the racing motorbikes with which Giacomo Agostini carried out his competitive exploits.
Accuracy, performance, prestige and care for details are the fundamental pillars sustaining the conception of this model, which stands out of the current background as a synthesis and an admirable example of the everlasting search for perfection characteristic to the greatest motorcycle rider of all times.
Your choice is a reward for the continuous effort our technicians have put into combining future and tradition in a unique and sought-after item, this way giving to any one of the lucky purchasers the honour and the enviable privilege of owning the symbol of the stirring competitive passion of Giacomo Agostini.

For further information, please feel free to contact the MV Agusta Customer Care Service.

We wish you long and happy rides.

Luca Martin
CEO
MV Agusta

CHAP.	SUBJECT COVERED	Page
1	**GENERAL INFORMATION**	8
1.1	Symbols	8
1.2	Delivery certificate	9
1.3	Identification data	10
2	**SAFETY INFORMATION**	12
2.1	Vehicle warranty	12
2.2	Scheduled maintenance	14
2.3	Vehicle load	15
3	**CONTROLS AND INSTRUMENTS**	16
3.1	Location of controls and instruments	16
3.2	Sidestand	18
3.3	Handlebar controls, left side	19
3.4	Handlebar controls, right side	21
3.5	Ignition switch and steering lock	24
3.6	Gear lever	27
3.7	Instruments and warning lights	28
3.7.1	Warning lights	29
3.7.2	Multifunction display	30
4	**OPERATION**	31
4.1	Using the motorcycle	31
4.2	Running-in	32
4.3	Starting the engine	34
4.4	Selecting & setting of the display functions	38
4.4.1	Selecting the display functions	39
4.4.2	Trip reset	46
4.4.3	“INERTIAL” Mode	47
4.4.4	“TRACTION CONTROL” Mode	48
4.4.5	“ABS” Mode	52
4.4.6	“FRONT LIFT CONTROL” Mode	54
4.4.7	“TRIP RECORD” Mode	55
4.4.8	“BLUETOOTH” Mode	57
4.4.8.1	Phone connection	59
4.4.8.2	“MUSIC” (Music player)	64
4.4.8.3	“NAVIGATION” (Satellite navigation)	66
4.4.9	“SETTINGS MENU” Mode	68
4.4.9.1	EXIT MENU (Exit from “SETTINGS” menu)	68

CHAP.	SUBJECT COVERED	Page
4.4.9.2	DASHBOARD (Dashboard settings)	69
4.4.9.3	CUSTOM MAP (Custom mapping)	73
4.4.9.4	SUSPENSION (Suspensions setting)	77
4.4.9.5	SERVICE (Maintenance interval)	80
4.4.9.6	UNITS (Measurement units)	81
4.4.9.7	INFO (Software version / Default settings)	83
4.4.9.8	RACE (Chronometer / Display for use on race track)	86
4.4.9.9	HEADSET (Devices connection)	96
4.4.10	"CRUISE CONTROL" Mode	98
4.4.11	"SPEED LIMITER" Mode	99
4.4.12	"LAUNCH CONTROL" Mode	100
4.4.13	How to select the mapping of the control unit	102
4.4.14	PIN CODE ("Immobilizer" Mode)	103
4.4.15	Installing the "MVride" App	105
4.4.16	Warning/malfunction alerts	107
4.4.16.1	Errors identified in the self-diagnostic stage	107
4.4.16.2	Errors detected while using the vehicle	110
4.5	Refuelling	117
4.6	Passenger saddle removal	119
4.7	Driver's saddle removal	120
4.8	Parking the motorcycle	121
5	**ADJUSTMENTS**	123
5.1	List of adjustments	123
5.2	Table of adjustments	125
5.3	Adjusting the front brake lever	126
5.4	Adjusting the clutch lever	126
5.5	Adjusting the rearview mirrors	127
5.6	Adjusting the front suspension	128
5.6.1	Spring preload (front suspension)	129
5.7	Headlight adjustment	130

CHAP.	SUBJECT COVERED	Page
6	**MAINTENANCE**	132
6.1	Tables of scheduled maintenance and checks	132
6.2	Tools and accessories supplied	141
6.3	Table of lubricants and fluids	142
6.4	Checking the engine oil level	143
6.4.1	Topping up the engine oil level	144
6.5	Checking the coolant level	146
6.6	Checking the wear of the brake pads	148
6.7	Checking the brake fluid level	149
6.8	Checking the clutch fluid level	151
6.9	Checking and replacing the tyres	152
6.10	Checking and lubricating the drive chain	157
6.11	Checking the idle speed	161
6.12	Evaporative emission control system	162
6.13	Replacing parts - General information	163
6.13.1	Replacing the fuses	163
6.14	Battery	168
6.15	Cleaning the motorcycle	170
6.16	Prolonged inactivity	172
7	**TROUBLESHOOTING FLOW CHART**	
7.1	OBD II connector position	173
7.2	Engine problems	174
7.3	Electrical equipment problems	179
8	**TECHNICAL INFORMATION**	182
8.1	Motorcycle overview	182
8.1.1	Braking system (ABS)	184
8.1.2	Clutch circuit	185
8.1.3	Engine lubrication	186
8.1.4	Coolant circuit	187
8.1.5	Fuel system	188
8.2	Specifications	189
8.3	Bodywork parts reference colours	196
8.4	Frame parts reference colours	198

1.1 SYMBOLS

Sections of text that are particularly important in terms of personal safety or possible damage to the motorcycle are marked with the following symbols:



DANGER - Failure to observe these prescriptions, even in part, may pose a serious hazard to the driver's and other people's safety.



CAUTION - Failure to observe these prescriptions, even in part, may result in damage to the motorcycle.

The following symbols give an indication of who is supposed to perform the different adjustments and/or maintenance operations:



Information on operations that can be carried out by the user.



Information on operations that must be carried out only by authorized personnel.

The following symbols are used to provide further information:



This symbol points out the requirement to use a tool or a special equipment in order to correctly perform the described operation.

§ **The " § " symbol refers the reader to the chapter identified by the number that follows.**

1.2 DELIVERY CERTIFICATE

When delivering the bike, your Dealer will supply the Delivery Certificate containing Warranty Terms and Conditions.
We recommend to keep it together with the motorcycle documents.

IMPORTANT
A copy of the certificate must be given to the Customer with the stamp and signature of the Dealer, a second copy with the Customer's Signature must be kept by the Dealer.



1.3 IDENTIFICATION DATA

1. Vehicle identification number
2. Engine serial number
3. Homologation data

❑ Motorcycle identification

The motorcycle is identified by the vehicle identification number. When placing orders for spare parts, in addition to this number, you may be required to provide the engine serial number and the key identification.

❑ Motorcycle key identification

A key is supplied in duplicate for both the ignition and all the locks. Keep the duplicate in a safe place.

When placing orders for spare keys, you may be required to provide the key identification number.
The key identification number is found on the MV Code Card supplied with the ignition keys.



2.1 VEHICLE WARRANTY

WARNING

Please note that the warranty is not valid if the vehicle is used for racing on track or on public roads, since this is a use other than and incompatible with the on-road use for which your vehicle has been specifically designed. Furthermore, the warranty is not valid if the vehicle is used for professional activities, including, but not limited to, taxi services, rental, etc.

Furthermore, remember that MV Agusta reserves the right to assess the validity of the warranty in all cases, with no exclusions, where it is ascertained that your vehicle was modified compared to its original configuration, this also includes use of spare parts and/or genuine MV Agusta accessories fitted by the customer service at a MV Agusta dealer.

We also highlight that the warranty is not valid when any alteration, be it for maintenance certificates or any other repair, setup, replacement or other types of operations, is performed by workshops and/or technicians and/or service and repair centres and, generally, by any third party that does not operate according to the technical and procedural standards that MV provides to its qualified technical personnel for vehicle maintenance (technical courses; workshop-specific equipment; manuals; genuine spare parts, etc.) and/or does not use genuine spare parts and/or accessories supplied by MV Agusta.

In any case the warranty does not cover wear parts or parts that are subject to deterioration (lubricants and liquids, spark plugs, clutch, filters, chain, crown wheel, pinion, brake pads, brake discs, tyres, pipes and rubber parts, battery, light bulbs and fuses), events caused by improper use and/or negligence and/or exposure to atmospheric agents (paint fading, corrosion, etc...) and/or exceeding the loading limits set out in the vehicle operating manual.

Remember that, as required by law, this warranty is provided directly by your MV Agusta dealer. Please contact the dealer for any needs.
The warranty is valid also overseas at any other MV Agusta network dealer.

2.2 SCHEDULED MAINTENANCE

WARNING

Remember that, if your vehicle breaks down or malfunctions due to failure to perform the maintenance certificates or to improper use (including, but not limited to, engine over-revs, etc.), your dealer may refuse to operate under warranty and at the same time the dealer and MV Agusta may not be considered liable for any damage incurred by the vehicle and/or by the user and/or by third parties and/or by third party property, due to these breakages or malfunctions.

All maintenance certificates, including the first one, will require payment for both materials and labour.

MV Agusta recommends that any operation on the vehicle, whether it is maintenance certificates or any other repair operation, set up, replacement or any other operation, is performed at the authorised workshops of the MV Agusta dealers according to the methods described in the maintenance manual, in the workshop manual and in any technical bulletin published by MV Agusta, since MV Agusta ensures proper execution of any operation only if this is performed at the authorised workshops of the MV Agusta dealer that operate according to technical and procedural standards set out by MV Agusta and only use genuine spare parts and accessories.

2.3 VEHICLE LOAD

Your motorcycle is designed for use by the rider and it can also seat a passenger.
To use the vehicle in complete safety and in accordance with the Highway Code provisions, it is compulsory that the following maximum load conditions are never exceeded:

SUPERVELOCE 1000 AGO

Maximum technically permissible mass	**373 kg**
Maximum load mass	**154 kg**

The maximum technically permissible mass comes out from the sum of the following masses:

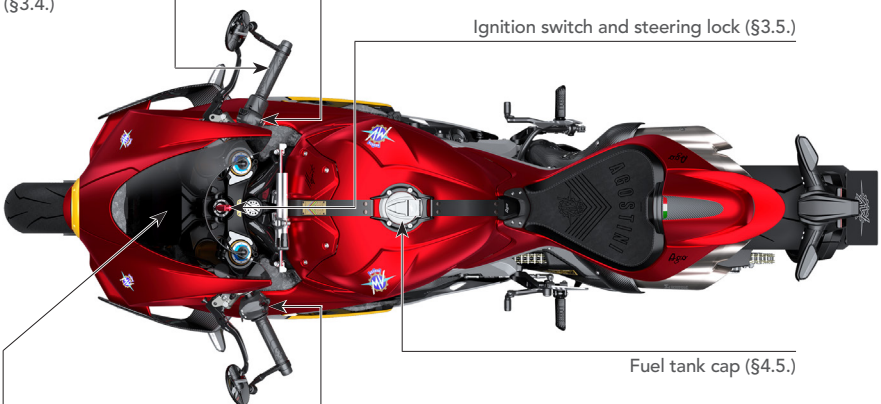
- mass of the motorcycle;
- mass of the driver;
- mass of the passenger;
- mass of the luggage and all the accessories.

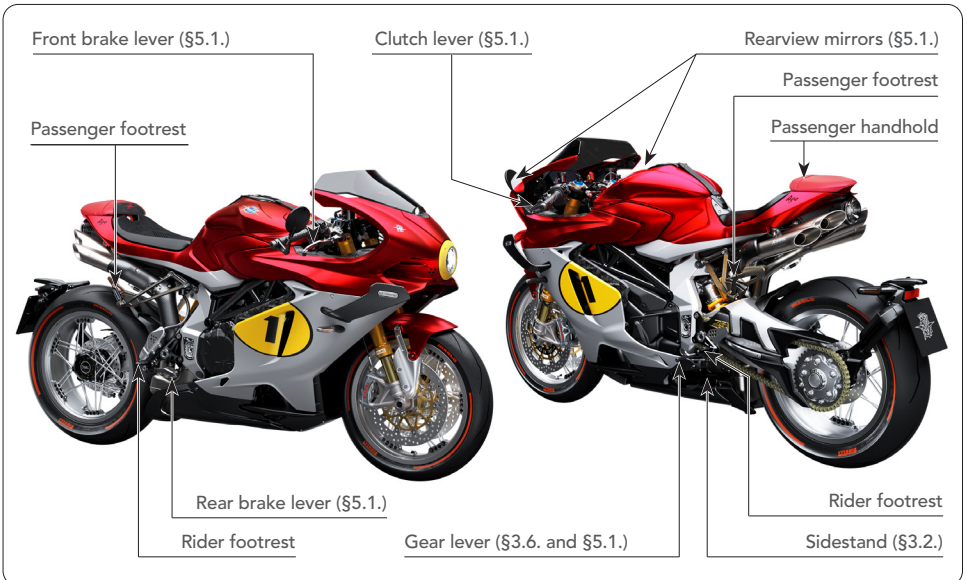
WARNING

Since the load can strongly affect handling, braking, performance and safety characteristics of your motorcycle, you should always keep in mind the following warnings.

• NEVER OVERLOAD YOUR MOTORCYCLE! Driving an overloaded motorcycle can cause damage to the tyres, loss of control of the vehicle and serious injury. Verify that the total weight (including the weight of the motorcycle, the driver, the passenger, the load and all the accessories) does not exceed the maximum value specified for your vehicle.

3.1 LOCATION OF CONTROLS AND INSTRUMENTS



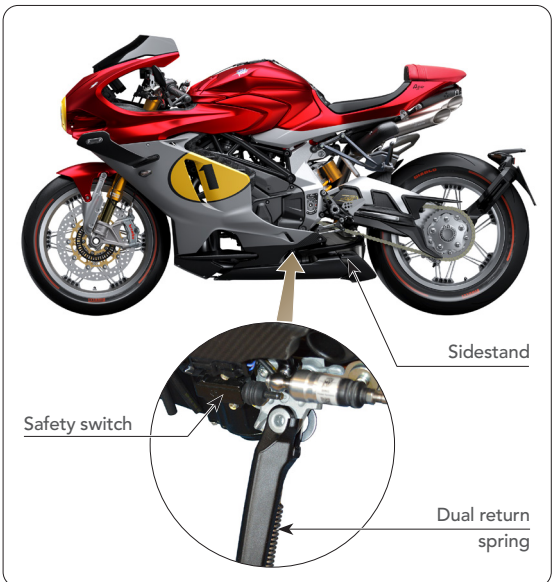

Front brake lever (§5.1.)
Clutch lever (§5.1.)
Rearview mirrors (§5.1.)
Passenger footrest
Passenger footrest
Passenger handhold
Rear brake lever (§5.1.)
Rider footrest
Rider footrest
Gear lever (§3.6. and §5.1.)
Sidestand (§3.2.)

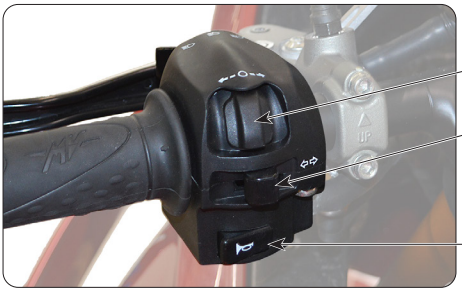
3.2 SIDESTAND

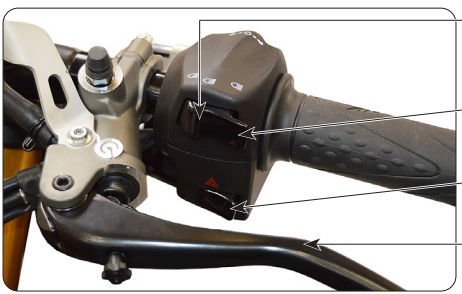
The sidestand is equipped with a safety switch that prevents the motorcycle from moving off while the stand is down.

If the rider attempts to engage the gears while the engine is running and the stand is down, the switch automatically turns off the engine by cutting the current supply.

If the motorcycle is parked (sidestand down) and the gears are engaged, the switch prevents the engine from being started, thereby avoiding the risk of accidentally toppling the vehicle.







3.3 HANDLEBAR CONTROLS, LEFT SIDE

Buttons ◀ / OK / ▶
Press to change the dashboard functions (§ 4.4).

Turn indicator switch
Shifting the lever to the left or right switches on the left or right turn indicators. The switch then returns to the central position. Press to turn off the indicators.

Horn button
Press to operate the warning horn.

Low/high beam button
Button not pressed in: low beam
Button pressed in: high beam

High beam flasher button
Press the button repeatedly.

Emergency light button
Press to activate or deactivate the emergency lights.

Clutch lever
Move towards/away from the handgrip to release/engage the clutch.

Buttons ◀ / OK / ▶
The buttons "◀" and "▶" select the various functions of the display to perform adjustments, while the OK button confirms the set values.

Turn indicator switch
It is used to show the rider's intention to change direction or lane.

WARNING
Failure to switch the turn indicators on or off at the right time may cause an accident in that the other road users may draw incorrect conclusions about the direction of motion of the vehicle. Always switch on the indicators before turning or changing lanes. Then be sure to switch off the indicators after completing the operation.

Horn button
It is used to attract the attention of other road users in case of danger.

Low/high beam button
Under normal conditions, the low beam is on. The high beam can be switched on by pressing the button when allowed by the traffic and road conditions.

High beam flasher button
It is used to attract the attention of other road users in case of danger. When the high beam is on, the function is inactive.

Emergency light button
It is used to attract the attention of other road users in case of danger.

Clutch lever
This lever engages/disengages the clutch by means of a hydraulic control device.

3.4 HANDLEBAR CONTROLS, RIGHT SIDE

Front brake lever
Pull to the lever to apply the front brake.

"Cruise Control" button
Press to set the cruise speed (§ 4.4.10).

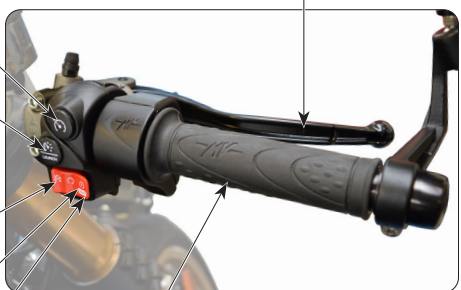
"Launch Control" button
When the vehicle is stationary, it activates the "Launch Control" function (§4.4.12.). During vehicle riding, it activates the "Speed Limiter" function (§4.4.11.).

Engine stop switch
Stops the engine and prevents it from being restarted.

Engine start button
Starts the engine. To be released as soon as the engine starts.

"Engine Map" button
Press to set the engine mapping (§4.4.13.).

Throttle twist grip
Rotate counterclockwise to increase engine speed.



"Cruise Control" button
This button automatically determines the cruise speed of the vehicle (see §4.4.10).

"Launch Control" button
If pressed when the vehicle is stationary, this button activates the "Launch Control" function (see §4.4.12); if pressed while riding the vehicle, it activates the "Speed Limiter" function (see §4.4.11).

Engine stop switch
It is used to switch off the engine. The ignition circuit is disabled, preventing the engine from being restarted. To be able to restart the engine, return the switch to its original position.

NOTE: Under normal conditions, use this switch to shut off the engine.

Engine start button
It is used to start the engine and, when the engine is running, to select the different functions of the display installed on the instrument panel.



CAUTION
To avoid damaging the electrical equipment, be sure not to hold down the button for longer than 5 consecutive seconds. If, after some attempts, the engine does not start, refer to the chapter "TROUBLESHOOTING" in this Manual.

"Engine Map" button
This button automatically selects the engine mapping (see §4.4.13).

Throttle twist grip
It controls the fuel-air mixture supplied to the engine, which regulates engine speed. To increase engine speed, rotate the hand grip from its idle position counterclockwise.

WARNING: **In the event that your bike has dropped or has been involved in an accident, bring the vehicle to an authorized MV Agusta service centre to check the operation of the throttle grip before resuming the march.**

Front brake lever
It controls a hydraulic circuit that operates the front wheel braking system.

❑ Antilock Braking System (ABS)

The Superveloce 1000 AGO model is equipped with a power-assisted braking system (ABS - Antilock Braking System), which prevents the wheels from locking up during emergency brakings, thus guaranteeing the stability of the vehicle and shortening braking distances.

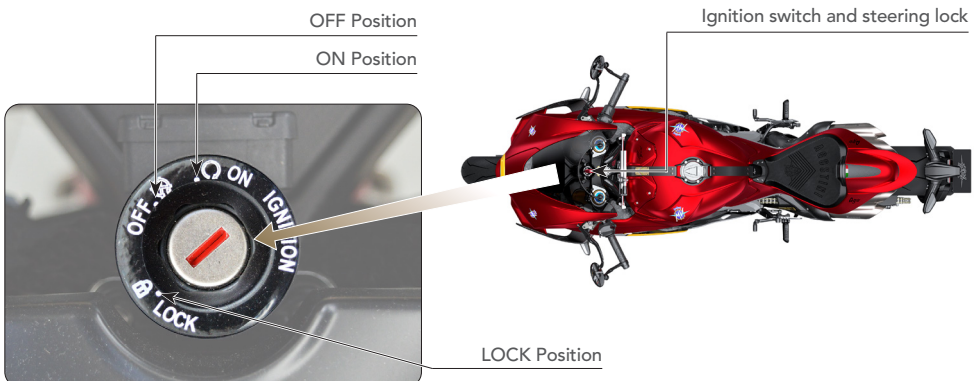
WARNING
When the ABS system is activated, vibrations could be perceptible through the brake lever or brake pedal. When this event occurs, it is recommended to keep pressed the braking control devices in order to allow the vehicle to complete the braking.

WARNING
If the ABS system has a fault, the related warning light on the dashboard turns on (see § 3.7.1.). From this moment on, the antilock braking system could not be available when braking. If there is a fault in the ABS system, it is recommended to resume riding at reduced speed and contact a MV Agusta authorized service centre.

3.5 IGNITION SWITCH AND STEERING LOCK

WARNING
Do not attach a ring or any other object to the ignition key as they may hinder the steering action.

WARNING
Never attempt to change the switch functions while riding, as you may lose control of the vehicle.



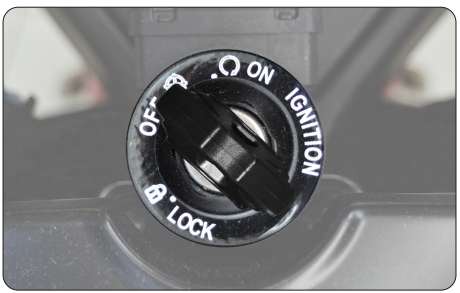
The ignition switch enables and disables the electrical circuit and the steering lock. The three positions of the switch are described below.

OFF position

All electrical circuits are deactivated. The key can be removed.

ON position

All electrical circuits are activated. The instruments and warning lights perform the self-diagnostic cycle. The engine can be started. The key cannot be removed.



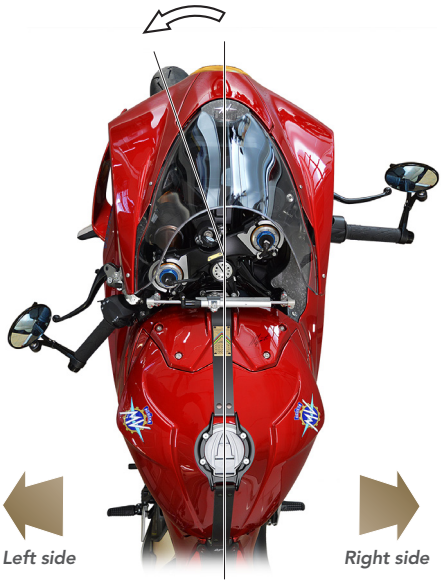


CAUTION: Do not leave the key on the ON position for a long time when the engine is not running, in order to avoid damage to the electrical parts of the motorcycle.

LOCK position

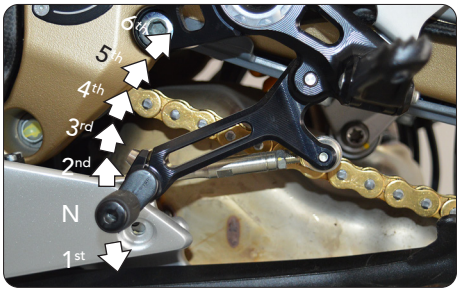
Turn the handlebar to the left. Press the key in gently while rotating it to the LOCK position. All electrical circuits are deactivated and the steering is locked. The key can be removed.





3.6 GEAR LEVER

The **N** (neutral) position is indicated by the warning light on the instrument panel.
To change into first gear, push the lever down.
To change into second gear, lift the lever up. Lifting the lever up repeatedly engages all the other gears in succession up to the sixth speed.



❑ "Quick Shift" function

The Superveloce 1000 AGO model is equipped with a "Quick Shift" gear change system; this device enables you to upshift or downshift without pulling the clutch or changing the throttle control angle. This way, it is possible to change into upper or lower gears by keeping a constant acceleration and reducing shifting time to a minimum.

WARNING: The "Quick Shift" system is not available in the following conditions:
- when you change gear with the clutch lever pressed;
- when the vehicle travels at a speed lower than 30 km/h;
- if the gear lever is not in its proper starting position when changing gear.
Besides, when you are riding the vehicle with the engine revving high in a low gear, changing gear without operating the clutch lever can cause abrupt reactions which can compromise the stability of the vehicle. MV Agusta recommends to operate the clutch lever in all the above circumstances, especially when the engine rpm is close to the rpm-limiter intervention speed.

3.7 INSTRUMENTS AND WARNING LIGHTS

The instruments and warning lights are activated by turning the ignition switch to the ON position. After a preliminary check (approx. 7 seconds) the displayed information reflects the current general condition of the motorcycle.



3.7.1 Warning lights

RPM limiter indicator (orange/red)
It switches on before the limiter intervention, at a number of revolutions dependent on the ratio of the inserted gear.

ABS warning light (orange)
Lights up when the ABS system has a fault.

⚠ **WARNING**: If the warning light comes on while riding, stop the motorcycle immediately and contact a MV Agusta authorized service centre.

High beam (blue)
It turns on when the high beam is on.

Neutral warning light (green)
It turns on when the gear is in "Neutral".

Sidestand down warning light (red)
Lights up when the sidestand is down.

Immobilizer light (red)
It turns on when an error in the ignition key identification procedure (§4.4.14.) or an error of the Immobilizer module occurs.



Turn indicator lights (green)
They light up when the turn indicators are activated.

Engine light (orange)
This turns on when an engine malfunction occurs.

Engine oil pressure warning light (red)
Lights up when the oil pressure is insufficient.

⚠ **WARNING**: If the warning light comes on while riding, stop the motorcycle immediately. Check the oil level and if necessary have it restored by a MV Agusta authorized service centre (see §6.2.). If the warning light comes on even if the oil level is correct, do not resume riding and contact a MV Agusta authorized service centre.

Reserve fuel indicator (orange)
Comes on when less than 4 litres of fuel are left.

3.7.2 Multifunction display

Speedometer
It displays the speed of the motorbike. It can be given in kilometres per hour (km/h) or in miles per hour (mph). The full scale measures 385 km/h (239 mph).

Gear display
It displays the currently engaged gear.
The "N" letter stands for "neutral".

Tachometer display
It displays the current value of the engine speed (rpm x 1000).

⚠ **WARNING**: Do not exceed the maximum engine rpm threshold (14000 rpm and above).

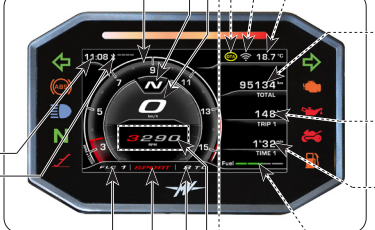
Clock - Indicates the current time.

Bluetooth display
Indicates the occurrence of the connection with your Smartphone and the level of the signal power.

FLC (Front Lift Control) display
Indicates the activation state of the Front Lift Control function.

Control unit mapping display
Indicates the control unit mapping currently selected.

TC (Traction control level) display
Indicates the traction control level currently selected.



SCROLL MENU

"OTA" (Over the Air) icon
Indicates the occurrence of the connection with the server and the possibility to download a dashboard software update.

"WiFi" icon
Indicates the occurrence of the connection to WiFi net.

Thermometer
Indicates the external temperature.

"TOTAL" odometer
It displays the total distance covered (km or miles).

Trip counter 1 / 2
"TRIP 1" / "TRIP 2"
It displays the length of a trip; from 0 to 999 (km or miles).

Travel time "TIME 1/2"
Indicates the travel time corresponding to the distance measured in the trip counter.

Fuel level display
It displays the level of the remaining fuel inside the fuel tank.

BACKGROUND MENU
This area contains vehicle data and information when different dashboard functions are activated.

4.1 USING THE MOTORCYCLE

This section provides the basic information needed to correctly operate the motorcycle.

WARNING
Your Superveloce 1000 AGO motorcycle shows high power and performance characteristics; therefore, its use requires an adequate level of knowledge of the vehicle. When you use this motorcycle for the first time, it is essential to adopt a cautious attitude. An aggressive or reckless riding attitude can lead to accidents, compromising the driver's and other people's safety.

WARNING
Exceeding the maximum allowed engine rpm threshold (see §3.7.2.) can cause engine damage.

WARNING
THE RESTRICTIONS RELATED TO THE ALLOWED USE OF THE VEHICLE ARE DESCRIBED IN THE SECTION "SAFETY INFORMATIONS".

4.2 RUNNING-IN

CAUTION: **Failure to observe the indications provided below can reduce performance and shorten the life of the motorcycle.**

Running-in is generally considered to apply only to the engine. In fact, it should be regarded as an essential phase for other important parts such as the tyres, the brakes and the drive chain. During the very first miles, adopt a relaxed riding style.

❑ 0 to 500 km (0 to 300 mi)

Frequently change the engine speed. If possible, prefer hilly routes with gentle slopes and many bends. Avoid long straight stretches.

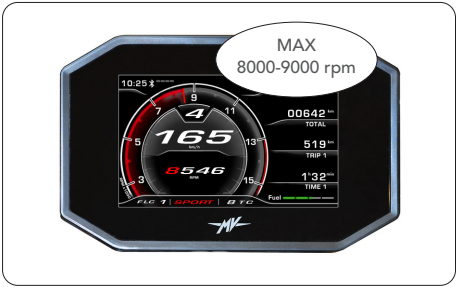


WARNING

New tyres must undergo a proper running-in period to reach their complete efficiency. Avoid abrupt acceleration, turning and braking during the first 100 km. Failure to observe these prescriptions can lead to the sliding of the wheels and the loss of control of the vehicle with subsequent risk of accidents.

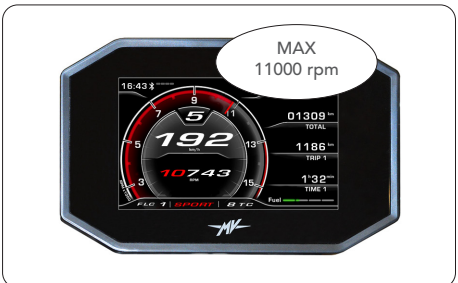
❑ 500 to 1000 km (300 to 600 mi)

Avoid lugging or overspeeding the engine, and vary your speed frequently.



❑ 1000 to 2500 km (600 to 1600 mi)

Higher engine performance can be demanded, but it is advisable not to exceed the engine speed shown in the figure.



4.3 STARTING THE ENGINE

WARNING

Starting the engine in a closed place can be dangerous. Exhaust emissions contain carbon monoxide, a colourless and odourless gas that can lead to serious harm or even death when inhaled. Only start the engine outdoor, in the open air.

– As you turn the ignition switch to the ON position, the instruments and the warning lights will go through the self-diagnostic cycle; during this phase, make sure that all the warning lights on the dashboard come on.

– The start/stop system will let the motorbike turn on if one of the following conditions is met:
• The gear is in neutral.
• The gear is engaged with the clutch lever up and the side stand up.







– When less than 1000 km are left to the execution of the next scheduled maintenance intervention, the notice screenshot shown here on the side appears on the display.



– The warning screen shown here appears on the display when the due date for the scheduled maintenance operation is exceeded without being reset. This warning remains active until the maintenance operation interval is reset.



– If the self-diagnostic cycle detects a fault in the vehicle or a low battery voltage, the display shows the warning alert shown in the picture. In particular, this message highlights the vehicle part or device on which the fault has been detected. When there are several faults, the display can show up to 9 error messages (see §4.4.16.1.).



– Press the "OK" button for two seconds or the engine ignition button to bring the dashboard in "STANDARD" mode (default screen).





WARNING

• If minor faults are indicated, the engine can be started. Go to an authorised MV Agusta service centre as soon as possible.

• In the event of major faults, the engine cannot be started. Contact an authorised MV Agusta service centre to solve the issue.

❑ Engine start procedure

– Press the start button without turning the throttle twist grip.
– As soon as the engine starts, release the button.

CAUTION

• Do not press the start button for longer than 5 consecutive seconds, in order to avoid damage to the electrical equipment.
• Avoid warming up the engine while the vehicle is stationary. The subsequent engine overheating can cause damage to the internal parts of the engine. It is advisable to bring the engine to the working temperature by riding at reduced speed.
• To ensure the maximum life of the engine, never speed up at full throttle when the engine is cold. When this condition occurs, "COLD ENGINE" appears on the display. The tachometer display shows the maximum suggested value of the engine speed in light blue colour. We recommend not to exceed this engine speed value until "COLD ENGINE" disappears from the display.





4.4 SELECTING AND SETTING THE DISPLAY FUNCTIONS

Some of the main measurements of the vehicle may be changed. The available options include:

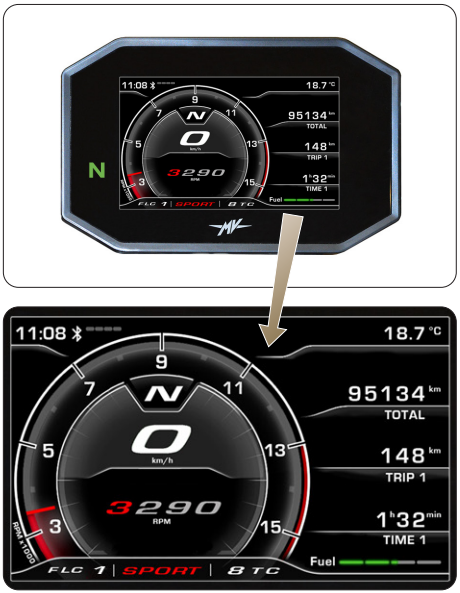
– Select an operating mode:

- "INERTIAL" (Vehicle inclination/acceleration)
- "TC" (Traction control)
- "ABS" (Antilock braking system)
- "FRONT LIFT CONTROL" (Front wheel lift control)
- "TRIP RECORD" (GPS data logging)
- "BLUETOOTH" (Phone/Multimedia/Navigation)
- "SETTINGS MENU" (General settings)
- "CRUISE CONTROL" (Cruise speed)
- "SPEED LIMITER"
- "LAUNCH CONTROL" (Vehicle start control)

– Reset the trip counter:

- Trip counter 1 "TRIP 1"
- Trip counter 2 "TRIP 2"
- Odometer from start "TRIP FROM START"

– "IMMOBILIZER" mode (Antitheft device)



4.4.1 Selecting the display functions

The following settings may be changed on the display:

- "INERTIAL" (Vehicle inclination/acceleration)
- "TC" (Traction control)
- "ABS" (Antilock braking system)
- "FRONT LIFT CONTROL" (Front wheel lift control)
- "TRIP RECORD" (GPS data logging)
- "BLUETOOTH" (Phone/Multimedia/Navigation)

– Use the "◄" (left) or "►" (right) controls located on the left side of the handlebar to browse the various functions of the dashboard.

– Press "OK" to access the settings of the selected function, then press "◄" or "►" to browse among the various options of any submenu.

– Press the "OK" button to save the chosen configuration.





It is also possible to access to the following functions:

• "SETTINGS MENU" (General settings)

– Press "OK" for more than two seconds to access the dashboard settings menu.

• "CRUISE CONTROL" (Cruise speed)

– Press the "Cruise Control" button to access the setting menu of the cruise speed.

• "SPEED LIMITER"
• "LAUNCH CONTROL" (Vehicle start control)

– Press the "Launch" button to access the vehicle start control (with the motorcycle stationary) or the setting menu of the speed limiter (during riding).

WARNING: As a general procedure, modifications and adjustments of the display functions must be performed with the engine off, the transmission in neutral, the motorcycle stationary with your feet on the ground. Display settings must not be changed when riding, except when otherwise stated.



❑ "STANDARD" Mode

In addition to the speedometer, the display shows the following functions (see §4.4.2.):

- Total odometer "TOTAL"
- Trip counter 1 "TRIP 1"
- Trip counter 2 "TRIP 2"
- Odometer from start "TRIP FROM START"
- Odometer with reserve fuel "TRIP FUEL"
- Travel time 1 "TIME 1"
- Travel time 2 "TIME 2"



❑ "INERTIAL" Mode

This mode displays the following position parameters of the vehicle (see §4.4.3.):

- Lean angle
- Longitudinal acceleration



❑ “TRACTION CONTROL” Mode

This mode adjusts the traction control level to your driving requirements (see §4.4.4.).



❑ “ABS” Mode

This mode adjusts the intervention level of the antilock braking system (ABS) to your driving requirements (see §4.4.5.).



❑ “FRONT LIFT CONTROL” Mode

This mode allows to activate or deactivate the front wheel lift control (FLC) function (see §4.4.6.).



❑ “TRIP RECORD” Mode

This function enables or disables logging data from the GPS unit installed on the vehicle through the “MVride” app (see §4.4.7.).



❑ “BLUETOOTH” Mode

When a Smartphone (iOS or Android) is connected to the dashboard, this mode allows accessing the following functions (see §4.4.8.):

- “CALL” (Phone connection)
- “MUSIC” (Music player)
- “NAVIGATION” (Satellite navigation)



❑ “SETTINGS MENU” Mode

This mode allows to change the general settings of the following functions (see §4.4.9.):

- “DASHBOARD” (Dashboard settings)
- “CUSTOM MAP” (Custom mapping)
- “SUSPENSION” (Suspension adjustment)
- “SERVICE” (Maintenance interval)
- “UNITS” (Measurement units)
- “INFO” (Software version / Default settings)
- “RACE” (Chronometer/Display for use on race track)
- “HEADSET” (Intercom devices connection)



❑ "CRUISE CONTROL" Mode

This mode adjusts the cruise speed value of the vehicle to your driving requirements (see §4.4.10.).



❑ "SPEED LIMITER" Mode

This mode adjusts the maximum value of the vehicle speed to your driving requirements (see §4.4.11.).



❑ "LAUNCH CONTROL" Mode

This mode allows to activate or deactivate the controlled vehicle start (Launch Control) function (see §4.4.12.).



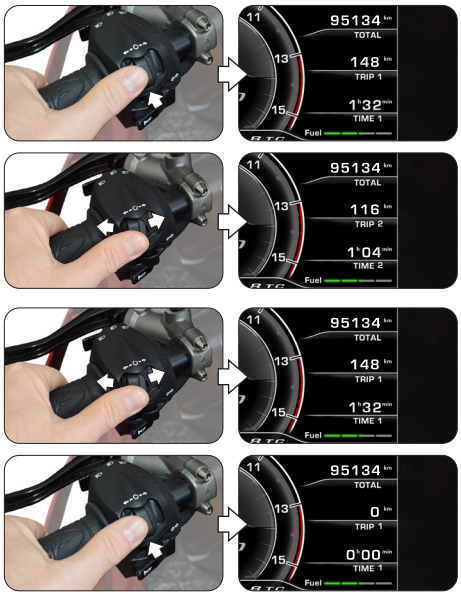
4.4.2 Trip reset

– The total odometer is automatically selected when the dashboard is in “STANDARD” mode. Press the “OK” button to access the odometer display and modification menu; from this screen, press the “◄” or “►” buttons to browse the following functions:

• Trip counter 1	“TRIP 1”
• Trip counter 2	“TRIP 2”
• Odometer from start	“TRIP FROM START”
• Odometer with reserve fuel	“TRIP FUEL”

– Press the “OK” button or don’t press any button; the last selected function is shown on the display during normal operating conditions. The “TRIP FUEL” function activates and is displayed when the fuel is in reserve.

– *Resetting the trip counter:* Use the“◄” or “►” buttons to select the “TRIP 1” or “TRIP 2” odometer (the other functions cannot be modified).
– Press the “OK” button for more than two seconds to reset the mileage as well as the travel time “TIME 1” or “TIME 2”.



4.4.3 "INERTIAL" Mode

– Press the "▶" (right) control until the "INERTIAL" mode is selected.

– This mode allows to display the following position parameters of the vehicle:

❑ *Lean angle*

It measures the lateral inclination angle of the vehicle in degrees, preceded by one of the following indications:

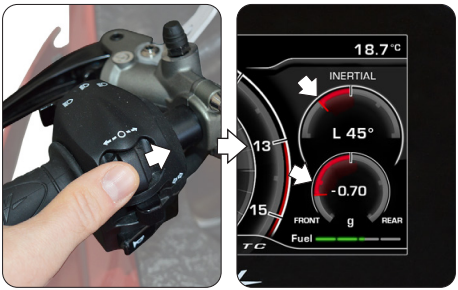
- " **L** " : inclination to the left
- " **R** " : inclination to the right

❑ *Longitudinal acceleration*

It measures the acceleration along the longitudinal direction in "g" (gravity acceleration), preceded by one of the following indications:

- " - " : inclination to the front side of the vehicle (FRONT)
- " + " : inclination to the front side of the vehicle (REAR)

NOTE: The "INERTIAL" mode selection operations may be performed even during the use of the vehicle.



4.4.4 “TRACTION CONTROL” Mode

– Press the “▶” (right) control until the “TRACTION CONTROL” mode is selected, then press “OK” to enable the modification of the traction control level. The current traction control level is the same as the one shown on the display.

NOTE

The traction control level may be changed or set even during the use of the vehicle.

– By pressing the “▶” (right) control, the traction control level rises up to the next value. On the other hand, by pressing the “◀” (left) control, the traction control level decreases to the lower value. Such value may range between the following values (see §4.4.13):

• **0** and **8** (with “Custom” and “Rain” mappings)
• **0** and **6** (with “Race” and “Sport” mappings)

– Besides the numerical values, it is possible to select the “**A**” letter to activate the automatic learning of tyre dimensions (see next pages).



– Press the "OK" button or don't press any button to confirm the selected traction control level.

❑ Indications for TC level selection

WARNING

The traction control (TC) function has the optimum operating conditions only with the tyres and the secondary transmission ratio provided in the original vehicle equipment and recommended by MV Agusta (see §8.2.). Using tyres with dimensions other than those prescribed may alter the characteristics and the operational safety of TC function; therefore, we recommend not to use tyres with dimensions other than those homologated for your vehicle. In the case of small differences (e.g. tyres of brand and/or type different from those provided in the original vehicle equipment) or when using a secondary transmission ratio different from the one provided in the original vehicle equipment, in order to restore the optimum operating conditions it is advisable to perform the automatic learning of tyre dimensions (TC2W) as described in the following pages.

– The intervention of the traction control is closely related to the level of the TC function. Level **1** corresponds to the minimum intervention condition of the traction control; level **8** corresponds to the maximum intervention condition (intervention at the slightest hint of slipping on the rear wheel). Between levels 1 and 8, it is possible to select 6 further intermediate intervention levels, through which it is possible to regularly increase the intervention of the traction control.

– Choosing the correct traction control level depends from the following parameters:
• Grip conditions (type and wear of the tyres, type of road surface, weather conditions, etc.);
• Characteristics of the track or route;
• Personal riding style.

■ Dependence on grip conditions

The selection of the correct TC function level is closely related to the grip conditions of the track or route. A low grip level requires a high TC function level, which guarantees a stronger intervention of the traction control.

■ Dependence on type of track or route

When riding on a track or route with bends with homogeneous travel speed, it will be easier to select a TC level that meets the needs for every bend; on the other hand, when riding on tracks with bends with different travel speeds, it will be necessary to accept a compromise TC level.

■ Dependence on riding style

With a linear riding style (tendency to go through the entire bend leaning the bike), it is recommended to select a higher TC function level. On the other hand, with an aggressive riding style (tendency to raise the bike quickly when exiting corners) it is recommended to select a low TC level.

■ Tips for use on race track

When riding on a race track, it is recommended to select level 6 of the TC function for the first two full laps, in order to warm up the tyres and become familiar with the traction control system. In the next laps, it is advisable to try and decrease the TC level, switching to the lower values until you find the level that better suits your driving requirements.

■ Tips for use on road

When riding on a road, it is recommended to initially select level 6 of the TC function, in order to become familiar with the traction control system. If the intervention of the traction control is too strong, it is advisable to try and decrease the TC level, switching to the lower values until you find the level that better suits your driving requirements. Should changes occur in the grip conditions, in the type of route and/or in the riding style such as to make the current TC level no longer suitable, it is advisable to switch to the next level and make several attempts by selecting the nearest higher and/or lower values until you find the level that better suits the current conditions of use of the vehicle.

❑ Automatic learning of tyre dimensions (TC2W)

– When replacing tyres with dimensions different from the prescribed values, access the modification mode of the traction control and press the "◄" (left) control until the "**A**" letter is selected.
– Press the "OK" button to activate the automatic learning of tyre dimensions ("TC2W").

WARNING: The "TC2W" procedure may be activated when the engine is on, the gear in neutral, the motorbike stationary with your feet on the ground.

– To perform the automatic learning of tyre dimensions, follow the procedure shown on the display:
• Put the vehicle in motion at a constant speed of 40 km/h with the 2nd gear engaged; the "Cruise Control" function will be automatically activated.
• Rotate the throttle in rest position; the display starts a countdown of 5 seconds, during which the traction control is set according to the road conditions.
• "*PROCEDURE COMPLETED*" appears on the display if the setting procedure has been correctly performed.
• On the other hand, if you press the "◄" (left) control ("EXIT") during setting, the procedure is stopped. "*PROCEDURE FAILED*" appears on the display.



4.4.5 “ABS” Mode

– Press the “▶” (right) control until the “ABS” mode is selected, then press “OK” for less than two seconds to enable the modification of the anti-lock braking system (ABS) mode. The current ABS mode is the same as the one identified by the letter shown on the display.

WARNING

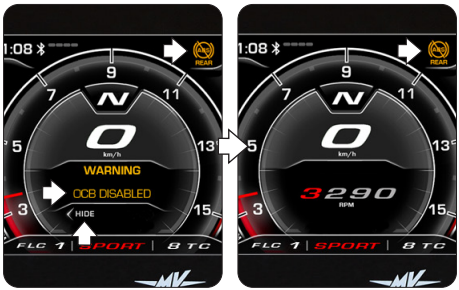
The anti-lock braking system (ABS) mode may be changed or set when the engine is off, the gear in neutral, the motorbike stationary with your feet on the ground. Do not change the display while driving.

– By pressing the “▶” (right) control, the ABS moves to the **R** mode (“*Race*”). On the other hand, by pressing the “◀” (left) control, the ABS moves to the **S** mode (“*Sport*” : road mode).



WARNING

When the ABS system moves to the R mode (“Race”), the cornering stabilization function is disabled. In this case, “OCB DISABLED” and the “ABS REAR” warning symbol appear on the display; by pressing the “◂” (left) control, the message disappears while the warning symbol remains on the display. It is recommended to carefully apply the brake when cornering, in order to avoid losing control of the vehicle.



– Press the “OK” button or don’t press any button to confirm the selected ABS mode.

4.4.6 “FRONT LIFT CONTROL” Mode

– Press the “▶” (right) control until the “FRONT LIFT CONTROL” mode is selected, then press “OK” for less than two seconds to enable the modification of the activation state of the front wheel lift control function. N.B.: The “Front Lift Control” function is active by default on the vehicle.

NOTE

The “Front Lift Control” function may be activated even during the use of the vehicle.

– By pressing the “▶” (right) control, the “**1**” digit appears on the display; under this condition, the “Front Lift Control” function is enabled.
– By pressing the “◀” (left) control, the “**0**” digit appears on the display; under this condition, the “Front Lift Control” function is disabled.
– Press the “OK” button or don’t press any button to confirm the selected activation state of the “Front Lift Control” function.



4.4.7 "TRIP RECORD" Mode

– Press the "▶" (right) control until the "TRIP RECORD" mode is selected. The caption "**OFF**" appears on the display; under this condition, the data logging from the GPS navigation system is disabled.
– Press the "OK" button to modify the activation state of the data logging from the GPS unit installed on the vehicle.

> **NOTE: The data logging function may be activated even during the use of the vehicle.**

– Press the "◀" (left) control until the caption "**ON**" is selected, then press the "OK" button to enable the data logging from the GPS navigation system.
– In order to end data logging, press the "▶" (right) control until the caption "**OFF**" appears on the display, then press again the "OK" button. Once the data logging is finished, the logged data can be downloaded and viewed through the "MV Ride" app (see §4.4.15.) installed on the Smartphone connected to the Bluetooth module.



❑ Resetting the trip data memory

– Press the "▶" (right) control until "MEMORY ERASE" appears on the display. This function allows to erase all trip data logged on the GPS unit of the vehicle. N.B.: In order to carry out the deletion procedure, data logging must first be deactivated ("**OFF**" option active).

– Press the "OK" button for more than two seconds to proceed with the deletion of the trip data.

– When deletion is complete, the message "*Completed*" appears on the display to indicate the correct outcome of the reset procedure.

– If the deletion procedure was not successful, the message "*Failed*" appears on the display. In this case, repeat the procedure from the start.

– At the end of the reset procedure, press the "◀" (left) control until the caption "**OFF**" reappears on the display, then press the "OK" button.

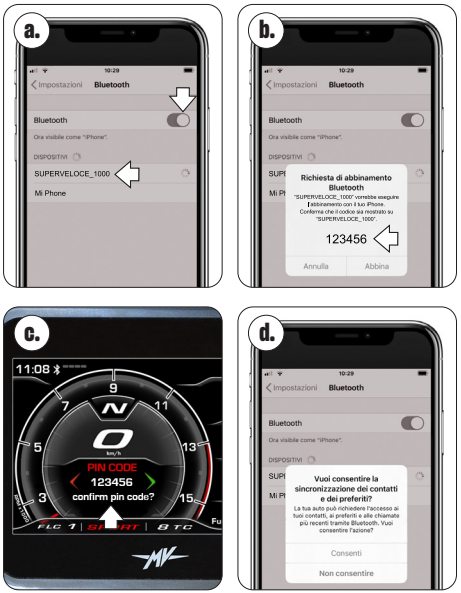


4.4.8 "BLUETOOTH" Mode

❑ First association of the Smartphone to the dashboard

– Perform the following operations for the first association of the Smartphone to your motorcycle.

1. Activate the Bluetooth on the Smartphone. Position the Smartphone near the motorcycle and make sure the vehicle dashboard is on.
2. Search in the list of the Bluetooth devices for the name of the motorcycle to be paired (Fig. a).
3. Select the device. The Smartphone displays a pop-up with a pairing code number (Fig. b).
4. At the same time, the dashboard displays a pairing number named "PIN CODE" (Fig. c). If the code on the Smartphone is the same as the one on the dashboard, select "Pair" on the smartphone and press the "▶" (right) control on the vehicle in order to confirm the pairing of the devices.
5. The Smartphone displays another pop-up reporting the request to allow the sharing of contacts and preferences (Fig. d). Press to allow the sharing. From now on, the Smartphone is connected with the motorcycle and the dashboard displays the "Bluetooth" symbol with its connection state bar (see next page).



– The pairing of the motorcycle to the phone must be done only on first use. Afterwards, it will be sufficient to make sure that you have activated the Bluetooth of your Smartphone to find it already paired with the dashboard.

❑ Selection of the “BLUETOOTH” functions

– Press the “▶” (right) control until the “BLUETOOTH” mode is selected, then press the “OK” button to access the related selection menu.

> **NOTE: The functions described hereafter may be activated only if there are Smartphones connected to the dashboard via Bluetooth. If no Smartphones are connected, the display returns to the “STANDARD” mode. To enable audio in Music, Call and Navigation functions, it is necessary to pair a Bluetooth audio device to the dashboard through the “HEADSET” mode (§ 4.4.9.9).**

– Before browsing the device functions, check that the Bluetooth is connected to at least one Smartphone (see the connection symbols in the table). The various functions of the “BLUETOOTH” mode are described in detail in the following paragraphs.

> **NOTE: The “BLUETOOTH” functions may be selected even during the use of the vehicle.**



Symbol	Connection Status
No symbol	BT disconnected
	BT connected

4.4.8.1 Phone connection

❑ Incoming call

– When the dashboard is in “STANDARD” mode and there is an incoming call to the mobile phone connected with the Bluetooth module, the display shows this notification screen. The Background Menu contains the name and the phone number of the caller.

– Press the “◄” (left) or “►” (right) control to select and confirm one of the following answering options:

- Left red arrow -> Reject the call
- Green right arrow -> Answer the call

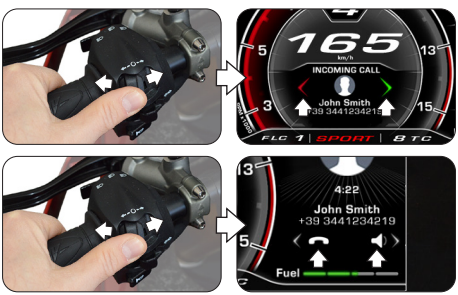
– Once the conversation is started, the phone call display moves to the Scroll Menu, while the Background Menu returns to the display prior to the call.

– Press the “◄” (left) or “►” (right) control to select one of the following options:

- : Call termination
- /: Active/mute microphone

– At the end of the conversation, the Scroll Menu returns to the display prior to the call.





❑ **Receiving messages** *(only with "MVride" app installed on the connected device – see §4.4.15.)*

– When the dashboard is in "STANDARD" mode and you receive a message on the mobile phone connected with the Bluetooth module, the display shows one of these notification screens. The Background Menu contains the name and the phone number (if available) of the sender. Depending on the messaging service used, the notification of receipt of the message is displayed through one of the following icons:

- : WhatsApp
- : Facebook Messenger
- : SMS
- : Telegram

– Press the "▶" (right) control or the "OK" button to select the "CALL" option, if you want to call the phone number of the sender (not available in Facebook Messenger).

– Press the "◀" (left) control to select the "HIDE" option and hide the notification of receipt of the message. The numbers of unread messages and missed calls are displayed in the Background Menu.



❑ "CALL" Mode

– Press the "▶" (right) control until the "CALL" mode is selected, then press the "OK" button to access the phone connection selection menu.

■ Recent calls

– Press the "◀" (left) or "▶" (right) control to select "RECENT CALLS", then press the "OK" button to access the list of recent calls that were made, received or lost by the phone connected to the Bluetooth module.

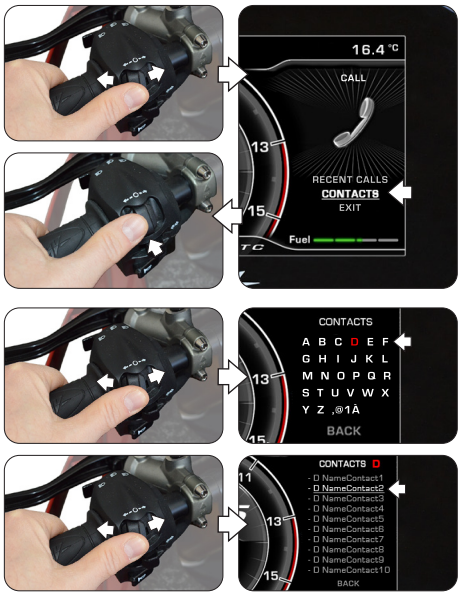
– Press the "◀" (left) or "▶" (right) control to scroll the list of recent calls or to select the exit item of the submenu (BACK). By keeping the control pressed for more than two seconds, the selection scrolls of 5 positions at a time. The list shows the names of the contacts (if saved in the phonebook), otherwise only the phone number is displayed. Once the contact has been selected, after one second the related phone number is displayed in any case.



– Press the “OK” button to select the desired phone number and to start a call. For calling options, refer to the procedure described in the “Voice call” section.

■ Search the contacts

– Press the “◄” (left) or “►” (right) control to select “CONTACTS”, then press the “OK” button to access the list of contacts saved on the phone connected to the Bluetooth module.
– Press the “◄” (left) or “►” (right) control to scroll the alphabetical index of the list of contacts. By keeping the control pressed for more than two seconds, the selection moves to the previous or next line.
– Once the initial letter of the desired contact name has been selected, press “OK” to access the related list of contacts. Otherwise, keep the control pressed for more than two seconds to select the exit item of the submenu (BACK).
– Press the “◄” (left) or “►” (right) control to scroll the list of contacts related to the selected initial letter. By keeping the control pressed for more than two seconds, the selection scrolls of 10 positions at a time. After 3 seconds the related phone number is displayed under the name of the contact.



– Press the “OK” button to select the desired phone number and to start a call. Otherwise, keep the control pressed for more than two seconds to select the exit item of the submenu (BACK).

■ Voice call

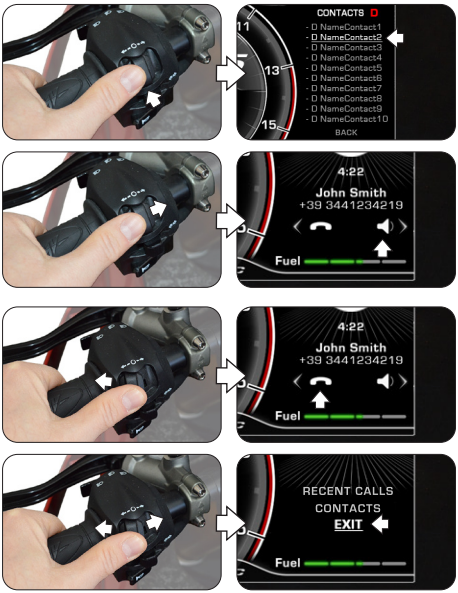
– Once the voice call is activated, the menu shown in the image appears on the display.
– During the call, it is possible to select one of the following options:

- : Call with active microphone
- : Call with mute microphone

Press the “▶” (right) control to activate or deactivate the rider’s microphone.
– At the end of the conversation, press the “◀” (left) control to select the icon and close the call.

■ Exit from “CALL”

– Press the “◀” (left) or “▶” (right) control to select “EXIT”, then press the “OK” button to exit the phone connection selection menu (“CALL”).



4.4.8.2 "MUSIC" (Music player)

– Press the "▶" (right) control until the "MUSIC" mode is selected, then press the "OK" button to access the music player of the device connected to the Bluetooth module.
– Press the "◀" (left) or "▶" (right) control to browse the various functions of the menu, described below.

❑ Playlist (List of tracks)

– Select the icon ☰ and press the "OK" button to access the playlists saved on the remote device connected to the Bluetooth module. N.B.: When using streaming services, only the single track being played is displayed.
– Press the "◀" (left) or "▶" (right) control to scroll the list of playlists or to select the exit item of the submenu (EXIT). By keeping the control pressed for more than two seconds, the selection scrolls of 5 positions at a time.
– Press the "OK" button to select the desired playlist and access the tracks selection mode.
– Press the "◀" (left) or "▶" (right) control to scroll the list of the tracks in the playlist or to select the exit item of the submenu (BACK). By keeping the control pressed for more than two seconds, the selection scrolls of 5 positions at a time.



– Press the "OK" button to select the desired track. The track will automatically start playing.

❑ Track playing

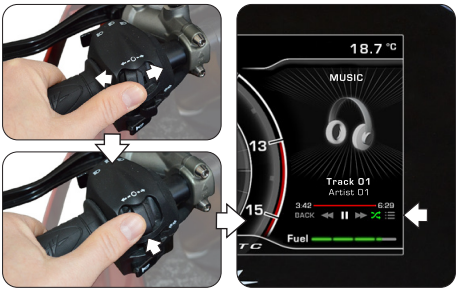
– Press the "◄" (left) or "►" (right) control to select the playing mode of the tracks of the playlist (see the symbols in the table), then press the "OK" button to confirm the desired option.

❑ Shuffle (Random play)

– Press the "►" (right) control until the icon ⤮ is selected, then press the "OK" button to activate the "Shuffle" function. In this mode, it is possible to start or stop random playing of tracks on the Smartphone connected to the Bluetooth module. The display shows the playing controls and the information about the selected track.

❑ Exit from "MUSIC"

– Press the "◄" (left) control until "BACK" is selected, then press the "OK" button to exit the music player menu.



Symbols	Playing mode
▶	PLAY (Play)
⏸	PAUSE (Pause)
◀◀	RW (Previous track)
▶▶	FW (Next track)
⤮	SHUFFLE (Random play)
☰	PLAYLIST (List of tracks)
BACK	BACK (Exit from "MUSIC")

4.4.8.3 "NAVIGATION" (Satellite Navigation)

– The "NAVIGATION" function related to the satellite navigation system may be enabled only after the installation of the "MVride" app. Follow the instructions reported in the section §4.4.15. to perform the installation of the app on the remote device connected to the Bluetooth module.

– Once the app has been installed and run, it is necessary to set the desired destination and the chosen route on the remote device.

– Press the "▶" (right) control until the "NAVIGATION" mode is selected. The display shows the following information:

- Name of the street to take at the next turn
- Distance from the next turn
- Remaining time to destination
- Remaining mileage to destination
- Expected arrival time

– The current position of the vehicle is indicated by a red light spot. The display shows the routes to be followed, the distance from any deviations, crossings or roundabouts and the number of the exit junction.



– When less than 300 m are left to the next indication, the red light spot starts flashing, activating a countdown until the event occurs.

– When you are approaching the arrival, the display shows the checkered flag symbol to highlight the reaching of the desired destination.

– Press the "◀" (left) or "▶" (right) control to move the satellite navigation display in the Background Menu and restore the "STANDARD" mode in the Scroll Menu.

– In any moment it is possible to move back the navigation display in the Scroll Menu by pressing the "▶" (right) control until the "NAVIGATION" mode is selected.

– When a new activity enters the Background Menu (e.g. "Call", "Message", "Warning", etc.), the navigation display moves back to the Scroll Menu. The dashboard gives priority to the newly introduced activity.

– Once you have reached the desired destination, the display automatically returns to the "STANDARD" mode.



4.4.9 “SETTINGS MENU” Mode

– Press the “OK” button for more than two seconds until the “SETTINGS MENU” mode is selected.

– Press the “▶” (right) control to browse the various functions of the menu, described in the following paragraphs.

WARNING

The display modes may be changed or set when the engine is off, the gear in neutral, the motorbike stationary with your feet on the ground. Do not change the display while driving.

4.4.9.1 EXIT MENU (Exit from the “SETTINGS” menu)

– Press the “◀” (left) control to select “EXIT”.

– Press the “OK” button to exit the “SETTINGS MENU” screen and return to the “STANDARD” mode.



4.4.9.2 DASHBOARD (Dashboard settings)

– Press the "▶" (right) control until the "DASHBOARD" function is selected, then press "OK" to access the dashboard settings menu. The following parameters can be set in this mode:

- "DATE" (Date setting)
- "CLOCK" (Clock setting)
- "CLOCK FORMAT" (Time format)
- "DASHBOARD" (Background colour of the display)
- "SHOW" (Data display)
- "TIME ZONE" (Time zone setting)



❑ DATE (Date setting)

– Pressing the "OK" button, the display adjusts the day digit ("DD").
– Press the "◀" (left) or "▶" (right) control to decrease or increase the digit of the day.
– Press the "OK" button to confirm the set digit. The display continues to the adjustment of the month digit ("MM").



– Press the “◄” (left) or “►” (right) control to decrease or increase the digit of the month.
– Press the “OK” button to confirm the set digit. Similarly, adjust the digit of the year (“YYYY”).
– After the adjustments, press the “OK” button to confirm the date. Press the “►” (right) control to exit the “DATE” mode and move to the adjustment of the next parameter.

❑ CLOCK (Clock setting)

– Pressing the “OK” button, the display adjusts the hour digit.
– Press the “◄” (left) or “►” (right) control to decrease or increase the digit of the hour.
– Press the “OK” button to confirm the set digit. The display continues to the adjustment of the minute digit.
– Press the “◄” (left) or “►” (right) control to decrease or increase the digit of the minute.
– After the adjustments, press the “OK” button to confirm the time. Press the “►” (right) control to exit the “CLOCK” mode and move to the adjustment of the next parameter.



❑ CLOCK FORMAT (Time format)

– Pressing the "OK" button, the display adjusts the time format of the clock.
– Press the "◄" (left) or "►" (right) control to change the time format from "12h" to "24h" and inversely.
– Press the "OK" button to confirm the time format. Press the "►" (right) control to exit the "CLOCK FORMAT" mode and move to the adjustment of the next parameter.



❑ DASHBOARD (Background colour of the display)

– Press the "OK" button to set the display background mode.
– Press the "◄" (left) or "►" (right) control to select one of the available display options:

• "BLACK" -> Dark colour background
• "WHITE" -> Bright colour background

– Press the "OK" button to confirm the display background mode and move to the adjustment of the next parameter.



❑ SHOW (Data display)

– Press the "OK" button to set the display mode of the data in the Background Menu.
– Press the "◄" (left) or "►" (right) control to select one of the available display options:

- "RPM" -> Engine speed
- "MV LOGO" -> "MV" logo
- "SV LOGO" -> "Superveloce" logo
- "HIDE" -> No data displayed

– Press the "OK" button to confirm the display mode of the data in the Background Menu and move to the adjustment of the next parameter.

❑ TIME ZONE (Time zone setting)

– Pressing the "OK" button, the display adjusts the time zone. The time zone is set to Coordinated Universal Time (UTC) by default.
– Press the "◄" (left) or "►" (right) control to decrease or increase the time zone of **0,5 h** with reference to the set value.
– Press the "OK" button to confirm the time zone. Press the "►" (right) control to exit the "TIME ZONE" mode and move to the "EXIT" selection.
– Press the "OK" button to exit the "DASHBOARD" menu; now you can access the next setting modes. If the "►" (right) control is pressed instead, the display returns to the previously described functions.





4.4.9.3 CUSTOM MAP (Custom mapping)

– Press the "▶" (right) control until the "CUSTOM MAP" mode is selected, then press "OK" to set the parameters of the custom mapping of the engine control unit according to your needs. Refer to §4.4.13. to proceed with the activation of the custom mapping.

❑ GAS SENSITIVITY (Sensitivity of the throttle control)

– Press the "OK" button to adjust the sensitivity of the throttle control.

– Press the "◀" (left) or "▶" (right) control to select one of the available sensitivity levels:

- "NORMAL" -> Medium level
- "LOW" -> Low level
- "HIGH" -> High level

– Press the "OK" button to confirm the selected level. Press the "▶" (right) control to exit the "GAS SENSITIVITY" mode and move to the adjustment of the next parameter.



❑ MAX TORQUE ENGINE (Maximum engine torque)

– Press the "OK" button to adjust the maximum torque delivered by the engine.
– Press the "◄" (left) or "►" (right) control to select one of the available maximum torque levels:

• "FULL POWER" -> High level
• "LOW POWER" -> Low level

– Press the "OK" button to confirm the selected level. Press the "►" (right) control to exit the "MAX TORQUE ENGINE" mode and move to the adjustment of the next parameter.

❑ ENGINE BRAKE (Engine brake level)

– Press the "OK" button to adjust the operation of the engine brake.
– Press the "◄" (left) or "►" (right) control to select one of the available engine brake levels:

• "NORMAL" -> Normal intervention level
• "LOW" -> Low intervention level

– Press the "OK" button to confirm the selected level. Press the "►" (right) control to exit the "ENGINE BRAKE" mode and move to the adjustment of the next parameter.



❑ ENGINE RESPONSE (Engine response)

– Press the "OK" button to adjust the engine response.
– Press the "◄" (left) or "►" (right) control to select one of the available response levels:

• "FAST RESPONSE" -> Fast response
• "SLOW RESPONSE" -> Gentle response

– Press the "OK" button to confirm the selected level. Press the "►" (right) control to exit the "ENGINE RESPONSE" mode and move to the adjustment of the next parameter.

❑ RPM LIMITER (Engine rpm limiter)

– Press the "OK" button to adjust the engine rpm limiter.
– Press the "◄" (left) or "►" (right) control to select one of the available limiter operation levels:

• "SOFT" -> Gentle intervention level
• "HARD" -> Abrupt intervention level

– Press the "OK" button to confirm the selected level. Press the "►" (right) control to exit the "RPM LIMITER" mode and move to the adjustment of the next parameter.



❑ QUICK SHIFT

– Press the “OK” button to set the activation parameters of the quick shift function.
– Press the “◄” (left) or “►” (right) control to select one of the available operating modes of the quick shift:

- “UP/DOWN” -> Quick Shift active when changing gears up and down
- “UP” -> Quick Shift active only when changing gears up
- “OFF” -> Quick Shift inactive

– Press the “OK” button to confirm the shift operating mode. Press the “►” (right) control to exit the “QUICK SHIFT” mode and move to the “EXIT” selection.

– Press the “OK” button to exit the “CUSTOM MAP” menu; now you can access the next setting modes. If the “►” (right) control is pressed instead, the display returns to the previously described functions.



4.4.9.4 SUSPENSION (Suspension setting)

– If the "Custom" mapping is selected (see §4.4.13), it is possible to adjust the suspension setup. Press the "▶" (right) control until the "SUSPENSION" mode is selected, then press "OK" to set the suspension setting parameters according to your needs.

NOTE
Refer to the enclosed table to get the recommended suspension setup values.



❑ **FRONT COMP.**
(Compression damping - Front suspension)

– Press the "OK" button to adjust the compression damping value for the front suspension.
– Press the "◀" ("H" = hard) or "▶" ("S" = soft) controls to increase or decrease the compression damping level. The damping decreases when the indicated value increases. Such value may range between **2** and **24**.
– Press the "OK" button to confirm the selected value. Press the "▶" (right) control to exit the "FRONT COMP." mode and move to the adjustment of the next parameter.



❑ **FRONT REBOUND**
(Rebound damping - Front suspension)

– Press the "OK" button to adjust the rebound damping value for the front suspension.
– Press the "◄" ("H" = hard) or "►" ("S" = soft) controls to increase or decrease the rebound damping level. The damping decreases when the indicated value increases. Such value may range between **2** and **24**.
– Press the "OK" button to confirm the selected value. Press the "►" (right) control to exit the "FRONT REBOUND" mode and move to the adjustment of the next parameter.

❑ **REAR COMP.**
(Compression damping - Rear suspension)

– Press the "OK" button to adjust the compression damping value for the rear suspension.
– Press the "◄" ("H" = hard) or "►" ("S" = soft) controls to increase or decrease the compression damping level. The damping decreases when the indicated value increases. Such value may range between **2** and **26**.
– Press the "OK" button to confirm the selected value. Press the "►" (right) control to exit the "REAR COMP." mode and move to the adjustment of the next parameter.



❑ REAR REBOUND (Rebound damping - Rear suspension)

– Press the "OK" button to adjust the rebound damping value for the rear suspension.
– Press the "◄" ("H" = hard) or "►" ("S" = soft) controls to increase or decrease the rebound damping level. The damping decreases when the indicated value increases. Such value may range between **2** and **26**.
– Press the "OK" button to confirm the selected value. Press the "►" (right) control to exit the "REAR REBOUND" mode and move to the adjustment of the next parameter.



❑ STEERING DAMPER

– Press the "OK" button to adjust the steering damper.
– Press the "◄" ("H" = hard) or "►" ("S" = soft) controls to move from the "AUTO" mode (automatic adjustment) to the modification mode of the steering damping. The damping decreases when the indicated value increases. Such value may range between **4** and **18**.
– Press the "OK" button to confirm the operating mode of the steering damper. Press the "►" (right) control to exit the "STEERING DAMPER" mode and move to the "EXIT" selection.



– Press the "OK" button to exit the "SUSPENSION" menu; now you can access the next setting modes. If the "▶" (right) control is pressed instead, the display returns to the previously described functions.

4.4.9.5 SERVICE (Maintenance interval)

– Press the "▶" (right) control until the "SERVICE" function is selected. In this mode it is possible to display the mileage pertaining to the scheduled maintenance operations. In particular, the following parameters are displayed:

- "COUNTDOWN" -> Remaining distance to the next maintenance operation
- "NEXT SERVICE" -> Mileage between maintenance operations

NOTE: **If the maintenance interval has been exceeded, a "+" symbol is displayed near the "COUNTDOWN" parameter.**



4.4.9.6 UNITS (Measurement units)

– Press the "▶" (right) control until the "UNITS" function is selected.
– Press the "OK" button to set the measurement units for the value shown on the dashboard.

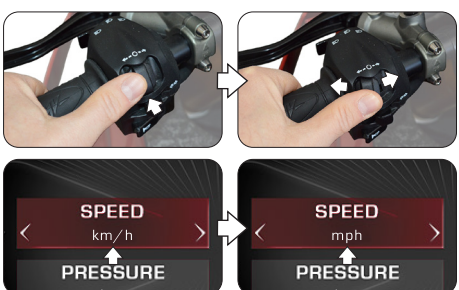


❑ SPEED

– Press the "OK" button to set the measurement units for speed and mileage.
– Press the "◀" (left) or "▶" (right) control to change the measurement unit of the speedometer from **km/h** to **mph** and inversely.
– Press the "OK" button to confirm the selected measurement unit. As the measurement unit of the speedometer is changed, also the following parameters change automatically:

• Odometer (total and trip): **km** -> **mi**

– Press the "▶" (right) control to exit the "SPEED" mode and move to the adjustment of the next parameter.



❑ TEMPERATURE

– Press the “OK” button to set the measurement unit for the temperature.
– Press the “◄” (left) or “►” (right) control to change the measurement unit of the thermometer from **°C** (Celsius) to **°F** (Fahrenheit) and inversely.
– Press the “OK” button to confirm the selected measurement unit. Press the “►” (right) control to exit the “TEMPERATURE” mode and move to the adjustment of the next parameter.

❑ PRESSURE *

– Press the “OK” button to set the measurement unit for the pressure.
– Press the “◄” (left) or “►” (right) control to change the measurement unit of the tyres pressure sensor from **bar** to **psi** and inversely.
– Press the “OK” button to confirm the selected measurement unit. Press the “►” (right) control to exit the “PRESSURE” mode and move to the “EXIT” selection.
– Press the “OK” button to exit the “UNITS” menu; now you can access the next setting modes.

(*): Present only with aftermarket TPMS valve installed



4.4.9.7 INFO (Software version / Default settings)

– Press the "▶" (right) control until the "INFO" mode is selected, then press "OK" to display the data of the software installed on the dashboard. In this mode it is possible to display the following parameters:

- "SW VERSION" -> Software version
- "PROGRAM DATE" -> Release date of the software version
- "PROGRAMMER ID" -> Identification name of the software author



❑ Restoring the factory settings of the dashboard

– Press the "OK" button to select "FACTORY RESET". Press the "OK" button for more than two seconds to start restoring all factory settings of the dashboard. If you do not want to reset the default settings, press the "◀" (left) or "▶" (right) controls to move to the "EXIT" selection, then press "OK" to exit the "FACTORY RESET" mode.



❑ Updating the dashboard software version

– The update of the dashbard software can only be done by activating a Wi-Fi connection via the “MVride” app installed on the Smartphone connected to the dashboard (see §4.4.15). The availability of the Wi-Fi connection is highlighted when the related symbol appears on the upper portion of the display. N.B.: The update process might take up to 15 minutes. It is recommended to operate in an area with a good Wi-Fi coverage and connect the charge maintainer to the vehicle to avoid discharging the battery.
– Press the “▶” (right) control until the “INFO” mode is selected, then press “OK”. The dashboard automatically attempts to connect to Cloud to check for the availability of new software updates.
– Once the dashboard has connected to Cloud, it is possible to download a new software version. If the new version is the same as the one already installed on the dashboard, the warning message shown in the picture on the right appears on the display.
– Press the “▶” (right) control until “DOWNLOAD SOFTWARE” is selected, then press “OK” to download the new software version.



– If the download cannot be completed due to problems on the Internet connection, the message shown in the picture on the side appears on the display. Press the "▶" (right) control until "DOWNLOAD AGAIN" is selected, then press "OK" to attempt a new download.
– If the download has been completed, it is possible to update the dashboard software. Press the "▶" (right) control until "INSTALL SOFTWARE" is selected, then press "OK" to install the new software version. **N.B.: Do not turn off the dashboard during the installation phase**.
– If the software installation has been correctly performed, "UPDATED" appears on the display. Turn the ignition switch to "OFF" position, wait for 10 seconds at least then turn it again to "ON" to activate the new software version.
– If the software installation has not been completed, "UPDATE FAILED" appears on the display. Turn the ignition switch to "OFF" position, then turn it again to "ON" and repeat the procedure from the start.

– When the updating procedure is finished, press the "◀" (left) control to move to the "EXIT" selection and exit the "INFO" mode.



4.4.9.8 RACE (Chronometer/Display for use on race track)

– Press the "▶" (right) control until the "RACE" function is selected.

– Press the "OK" button to set the dashboard display for the use of the vehicle on race track.



❑ ENABLE DASHBOARD (Activation of display for use on race track)

– Press the "OK" button until "ENABLE DASHBOARD" is selected.

– Press the "OK" button to activate the dashboard display for the use of the vehicle on race track ("RACE" mode). The information shown on the display are described in detail in the next page.



■ Multifunction Display ("RACE" Mode)

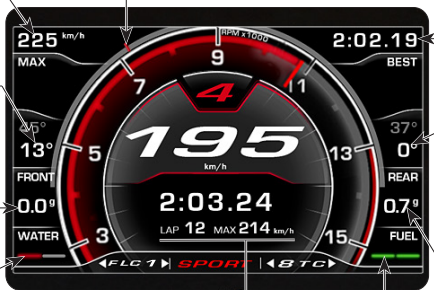
Maximum speed (MAX)
It displays the maximum speed value reached during the current race track test session.

Lean angle (LH side)
It displays the current and the maximum values of the lean angle on the left side of the vehicle.

Front longitudinal acceleration (FRONT)
It displays the longitudinal acceleration of the vehicle (acceleration phase).

Thermometer
It displays the temperature of the coolant through the following display modes:
- T < 70° C : all segments in blue colour;
- 70° C < T < 90° C : first segment in green colour;
- 90° C < T < 110° C : all segments in green colour;
- T > 115° C : all segments red colour;
- T > 125° C (high) : all segments red and blinking.

Danger - Notice: If the temperature is high, stop the motorbike and check the coolant level. If it needs to be filled up, contact a MV Agusta licensed service centre (see § 6.3). If the warning appears even if the level is correct, stop driving and contact a MV Agusta licensed service centre.



Lean angle indicator
It displays the current lateral inclination angle of the vehicle.

Best lap time (BEST)
It displays the best lap time recorded during the current race track test session.

Lean angle (RH side)
It displays the current and the maximum values of the lean angle on the right side of the vehicle.

Rear longitudinal acceleration (REAR)
It displays the longitudinal deceleration of the vehicle (braking phase).

Fuel level display
It displays the level of the remaining fuel inside the fuel tank through the following display mode of the indication segments:
- Between 16 and 3,8 l: all segments in green colour;
- Between 3,8 and 0,8 l: all segments in red colour;
- Less than 0,8 l: all segments red and flashing.

Chronometer
It displays the lap time and the maximum speed reached in the current lap of the race track test session.

■ “TC” (Traction Control) adjustment

– When the display is in “RACE” mode, it is possible to perform directly the adjustment of the traction control level.
– Press the “◄” (left) or “►” (right) control to increase or decrease the traction control level. Such value may range between **0** and **8**.
– Do not press any button for two seconds; the selected value of the traction control level is confirmed.

■ “FLC” (Front Lift Control) activation

– Press the “OK” button to modify the activation state of the “FLC” function.
– Press the “◄” (left) or “►” (right) control to change the indicated value from “**0**” (FLC inactive) to “**1**” (FLC active) or inversely.
– Press the “OK” button or don’t press any button for two seconds; the activation state of the “Front Lift Control” function is confirmed, then the display returns to the modification mode of the traction control level (“TC”).



■ “Launch Control” activation

– When the display is in “RACE” mode, it is possible to perform directly the activation of the “Launch Control” function. Press the “Launch” button for more than two seconds to activate the vehicle start control function.
– For the vehicle start procedure with active “Launch Control” function, refer to the prescriptions reported at paragraph §4.4.12.

■ Chronometer activation

– When the display is in “RACE” mode, it is possible to activate directly the chronometer function.
– Press the high beam flasher button for more than two seconds to start a new lap time recording session.
– Press the high beam flasher button to start recording the time. Press the headlight button again to record the time taken to cover the 1st lap. At the same time, the instrument starts recording the time taken to cover the second lap.
– Every time you press the headlight button, the dashboard records a time. The instrument can record up to 30 consecutive times for each lap time recording session.





– When the time for the lap which has just concluded is displayed, a green colour background appears on the display for 6 seconds if the time recorded is lower than the best time (“BEST LAP”) measured during the previous laps.

– Press the “OK” button to end the lap time recording session. Press the high beam flasher button for more than two seconds, then press the “▶” (right) control to start a new lap time recording session.

❑ LAP DATA (Lap time session data)

■ Data display

Once all times have been recorded, they may be displayed.

– Press the “▶” (right) control until “LAP DATA” is selected.
– Press the “OK” button to display the lap times of the last recorded session. The display shows the data (lap time and maximum speed) related to the first 14 recorded laps.



– Press the "OK" button, then press the "◄" (left) or "►" (right) controls to display the data of the remaining laps of the test session. The best recorded time and the highest maximum speed value are highlighted in red colour.

– Press the "OK" button to select the "SESSION" window, then press the "►" (right) control to display the data of the previously recorded sessions. For each session, the display shows the day and the starting time of the data acquisition.



■ How to delete data

To delete the saved data, proceed as follows:

– Select the "SESSION" window and press the "OK" button for more than two seconds. The screen shown in the image appears on the display.
– Press the "►" (right) control to delete the data of the currently selected session and renumber the remaining sessions. If you press the "◄" (left) control instead, the deletion procedure is stopped and the display returns to the "LAP DATA" mode.



❑ SETTING (Setting of display for use on race track)

– Press the "▶" (right) control until "SETTING" is selected.
– Press the "OK" button to access the setting menu of the display in "RACE" mode. In this mode it is possible to set the display of the following parameters:

■ SPEED

– Press the "OK" button to modify the display mode of the recorded speed values.
– Press the "◀" (left) or "▶" (right) control to select one of the available display modes:

- "MAX" -> Maximum speed
- "AVG" -> Average speed
- "HIDE" -> Do not display speed values

– Press the "OK" button to confirm the selected display mode. Press the "▶" (right) control to exit the "SPEED" mode and move to the adjustment of the next parameter.



■ LAP TIME

– Press the "OK" button to modify the display mode of the recorded lap times.
– Press the "◄" (left) or "►" (right) control to select one of the available display modes:

- "BEST" -> Best lap time
- "AVG" -> Average lap time
- "TOTAL" -> Total test session time
- "HIDE" -> Do not display lap times

– Press the "OK" button to confirm the selected display mode. Press the "►" (right) control to exit the "LAP TIME" mode and move to the adjustment of the next parameter.

■ LEAN ANGLE

– Press the "OK" button to modify the display mode of the recorded lean angle values.
– Press the "◄" (left) or "►" (right) control to select one of the available display modes:

- "VALUES" -> Numerical values
- "GRAPHIC" -> Graphic display
- "ALL" -> Show all display modes
- "HIDE" -> Do not display lean angle values





– Press the "OK" button to confirm the selected display mode. Press the "▶" (right) control to exit the "LEAN ANGLE" mode and move to the adjustment of the next parameter.

■ INERTIAL (Longitudinal acceleration)

– Press the "OK" button to modify the display mode of the recorded longitudinal acceleration values.
– Press the "◀" (left) or "▶" (right) control to select one of the available display modes:

• "SHOW" -> Show longitudinal acceleration values
• "HIDE" -> Hide longitudinal acceleration values

– Press the "OK" button to confirm the selected display mode. Press the "▶" (right) control to exit the "INERTIAL" mode and move to the adjustment of the next parameter.

■ TEMPERATURE

– Press the "OK" button to modify the display mode of the temperature indicators.



– Press the "◄" (left) or "►" (right) control to select one of the available display modes:

• "AMBIENT" -> External temperature
• "WATER" -> Coolant temperature
• "HIDE" -> Do not display temperature

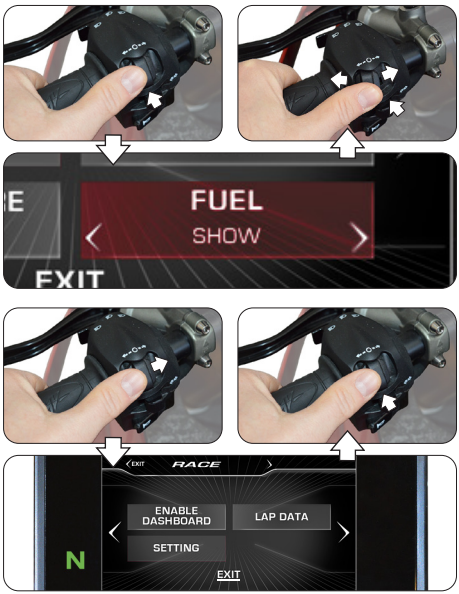
– Press the "OK" button to confirm the selected display mode. Press the "►" (right) control to exit the "TEMPERATURE" mode and move to the adjustment of the next parameter.

■ FUEL (Fuel level indicator)

– Press the "OK" button to modify the display mode of the fuel level indicator.
– Press the "◄" (left) or "►" (right) control to select one of the available display modes:

• "SHOW" -> Show fuel level
• "HIDE" -> Hide fuel level

– Press the "OK" button to confirm the selected display mode. Press the "►" (right) control to move to "EXIT" selection, then press the "OK" button to return to "SETTING" mode.
– Press the "►" (right) control to move to "EXIT" selection, then press "OK" to exit "RACE" mode.



4.4.9.9 HEADSET (Intercom devices connection)

– Press the "▶" (right) control until the "HEADSET" function is selected. This mode displays the list of all the additional intercom devices (e.g. headsets, microphones, etc.) available and currently connected to the Bluetooth module.

> **NOTE:** **For the connection to the Bluetooth module of the dashboard, only intercom devices with Bluetooth software updated to version 4.0 or higher are allowed. It is possible to connect only one Bluetooth audio device (headset or intercom device).**

– Press the "OK" button to accede to the list of all additional intercom devices available and currently connected to the Bluetooth modul.
– If associated devices are present, use the "◀" (left) or "▶" (right) controls to scroll the list of devices up or down.
– Once the device is selected, press the "OK" button to accede to the options of the Bluetooth module connection.



– Press the "◄" (left) or "►" (right) control to select one of the following connection options:

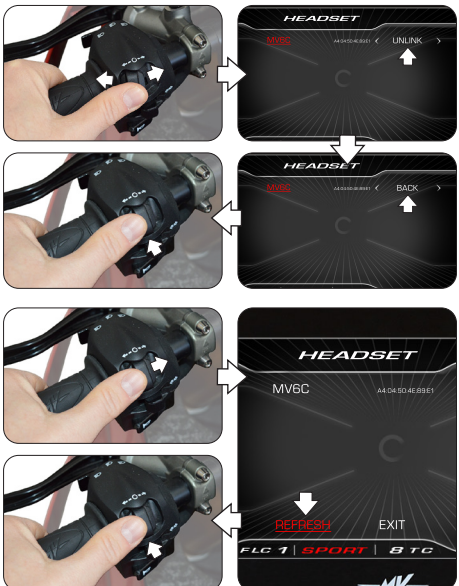
• "LINK" -> Device connection
• "UNLINK" -> Device disconnection
• "BACK" -> Exit from menu

– Press the "OK" button to confirm the chosen connection option and return to the selection of the available devices.

– Press the "◄" (left) or "►" (right) control to select the "REFRESH" option, then press the "OK" button to update the list of the devices available and currently connected to the Bluetooth module.

– Press the "◄" (left) or "►" (right) control to select the "EXIT" option, then press the "OK" button to exit the list of the available devices and return to the "HEADSET" mode.

– Press the "◄" (left) control to move to the "EXIT" selection. Press the "OK" button to exit the "HEADSET" mode; now you can access the next setting modes.



4.4.10 "CRUISE CONTROL" Mode

– Press the "Cruise Control" button for more than one second to activate the cruise control speed function.

> **NOTE: The cruise control speed activation may be performed when the vehicle is in motion with the 5th or 6th gear engaged at a speed ranging from 50 km/h to 180 km/h.**

– Once the "CRUISE CONTROL" function is activated, the cruise control speed is set according to the current speed of the vehicle.
– Press the "◀" (left) or "▶" (right) control to decrease or increase the cruise control speed by **1 km/h** with reference to the set value; keep the "◀" (left) or "▶" (right) controls pressed to decrease or increase by **5 km/h**.
– Press the "OK" button or don't press any button to confirm the selected parameter. The display returns to the "STANDARD" mode, showing the activation status of the Cruise Control function with a green colour icon.
– This function can be deactivated by pressing the "Cruise Control" button again, or alternatively turning the throttle grip slightly forward past the end position (throttle closed).



4.4.11 "SPEED LIMITER" Mode

– Press the "Launch" button for more than two seconds to activate the speed limiter function.

> **NOTE: The speed limiter activation may be performed when the vehicle is in motion at a speed ranging from 50 km/h to 180 km/h.**

– Once the "SPEED LIMITER" function is activated, the maximum speed is set according to the current speed of the vehicle.
– Press the "◄" (left) or "►" (right) control to decrease or increase the maximum speed by **1 km/h** with reference to the set value; keep the "◄" (left) or "►" (right) controls pressed to decrease or increase by **5 km/h**.
– Press the "OK" button or don't press any button to confirm the selected parameter. The display returns to the "STANDARD" mode, showing the activation status of the Speed Limiter function with an orange colour icon.
– This function can be deactivated by pressing the "Launch" button again.



4.4.12 “LAUNCH CONTROL” Mode

– Press the “Launch” button for more than two seconds to activate the controlled vehicle start (“Launch Control”) function.

WARNING

The “LAUNCH CONTROL” function may be activated when the engine is on, the gear in neutral, the motorbike stationary with your feet on the ground.

CAUTION

In order to preserve the integrity of the clutch, the “LAUNCH CONTROL” function calculates in real time the number of departures that can be performed consecutively. This number decreases by one unit at the completion of each start, and increases by one unit based on the distance traveled by the vehicle and the time spent with the engine running and the engine off. The “LAUNCH CONTROL” function allows you to make additional assisted starts only when the number of residual departures is greater than zero.



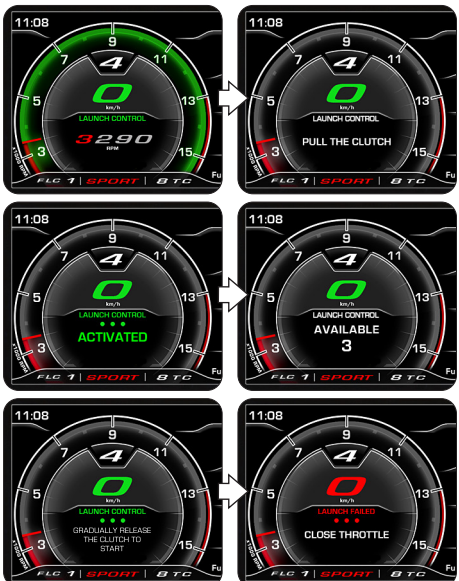
CAUTION

Using the “LAUNCH CONTROL” function may reduce the life of the mechanical parts of the engine and transmission. It is recommended to use the “LAUNCH CONTROL” function only when the engine has reached the operating temperature.

– To start the vehicle with the "Launch Control" function active, perform the procedure shown on the display:
• Pull the clutch lever;
• Engage the 1st gear;
• Rotate the throttle control full open;
• When the activation procedure of the "Launch Control" function has been completed, gradually release the clutch lever within 5 seconds to put the vehicle in motion.
• After 5 seconds have elapsed, the "Launch Control" function is automatically deactivated; to apply it again, the procedure must be repeated from the beginning.

WARNING: The "LAUNCH CONTROL" function manages the power supplied by the engine, while the release mode of the clutch lever remains under the control of the rider. During the starting phase, do not release the clutch lever abruptly to avoid losing control of the vehicle. At the same time, do not extend the release phase of the lever excessively to avoid overheating and consequent damage to the clutch.

– If the starting procedure has not been correctly performed, "LAUNCH FAILED" appears on the display. Close the throttle control and repeat the procedure from the initial phase.



4.4.13 How to select the mapping of the control unit

– On the Superveloce 1000 AGO model it is possible to select different control unit mappings which allow to obtain variable power and performance characteristics based on the type of vehicle use.

NOTE

The mapping selection may be performed even during the use of the vehicle.

– The mapping of the control unit can be selected by pressing the button on the right side of the handlebar; this way the mapping switches to the following setting configuration.
– The currently selected mapping appears in the lower portion of the display. The corresponding mapping characteristics are listed in the following table. Refer to §4.4.9.3. for the setting procedure of the "Custom" mapping.

Mapping	SPORT	RACE	RAIN	CUSTOM
Mode	Normal	Race track	Rain	Custo-mised



4.4.14 PIN CODE (Immobilizer code)

The "IMMOBILIZER" function lets the engine start only if it recognises the original starter key. This is actually an anti-theft device built into the electronic circuit of the vehicle, since only authorised people are allowed to drive it.

Use the "PIN CODE" dashboard function only in the event of a breakdown (see §4.4.16.1). If for any reason the original key is not recognised by the system, to let the engine start you must manually enter the secret code, which is on the MV Code Card that was handed out to you with the motorbike.

– Remove the lid from the box on the back of the MV Code Card and read the secret electronic code of the starter key (the figure shows a random code, for information only).

– In the event of an Immobilizer error, the access to the "PIN CODE" function automatically occurs when the engine is ignited.





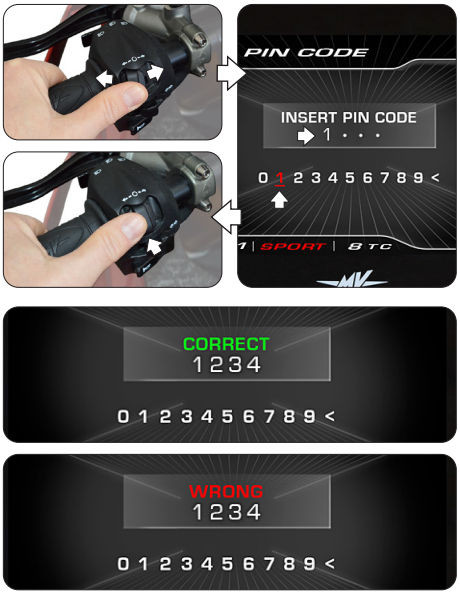
– Press the "◄" (left) or "►" (right) control to select the first digit of the code, then press "OK" to confirm and move to the next digit setting.

NOTE: If a wrong digit is entered, it can be cleared by selecting the "<" symbol at the end of the number list.

– Similarly, the other three digits of the code can be set.

– After confirming the last digit, if the entered code is correctly recognised by the system, the "CORRECT" message appears. The dashboard display returns to the "STANDARD" mode. The engine can be started.

– If the entered code is wrong, the "WRONG" message is displayed. The system will not let the engine start; the display returns to the "PIN CODE" mode. Repeat the code entering procedure from the beginning, taking care to properly enter all digits shown on the supplied MV Code Card. If further issues are found, contact an authorised MV Agusta service centre.

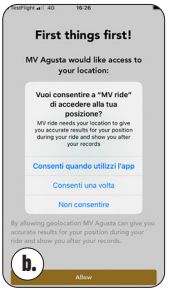


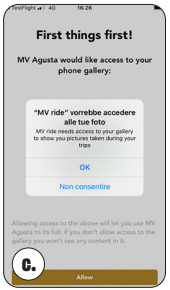
4.4.15 Installing the “MVride” App

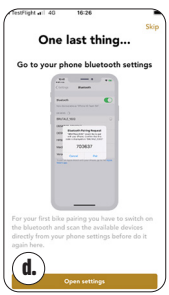
– The “MVride” smartphone app completes your driving experience by directly connecting the motorcycle to your phone.
– The connection protocol between the dashboard and the smartphone is BLE 4.0 and later versions. The “MVride” App is available for free download in the Mac App Store® or in Google Play®.
– Perform the following operations for the first association of the App to your motorcycle:

1. Make sure the vehicle dashboard is on.
2. Install the “MVride” App on the smartphone.
3. Open the App near the motorcycle.
4. Click on “Get started” (Fig. a).
5. Allow sharing of the GPS data by clicking on “Allow”, then again on “Allow” (Fig. b).
6. Allow access to the image gallery by clicking on “OK”, then on “Allow” (Fig. c).
7. Click on “Open settings” (Fig. d), then search in the list of the Bluetooth devices for the motorcycle to be paired (Fig. e). If the smartphone has never been paired with the motorcycle before, perform the procedure described in §4.4.6.
8. Allow the use of Bluetooth by clicking on “OK”, then on “Pair” (Fig. f).

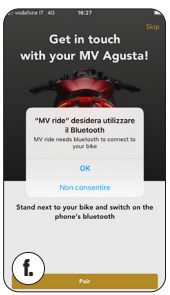












9. The smartphone searches for the motorcycle (Figs. g-h).
10. Once connected, manually enter the code shown on the motorcycle dashboard using the numeric buttons on the smartphone (Figs. i-j).
11. Allow the App to show notifications by clicking on "Allow" (Fig. k).

– The pairing of the motorcycle to the phone must be done only on first use. Afterwards, it will be sufficient to launch the App making sure that you have activated the Bluetooth of your device to find the motorcycle paired and visible on the homepage (Fig. l).

– The "MVride" App – continuously updated with new features – will guarantee some basic features at launch and in the future:

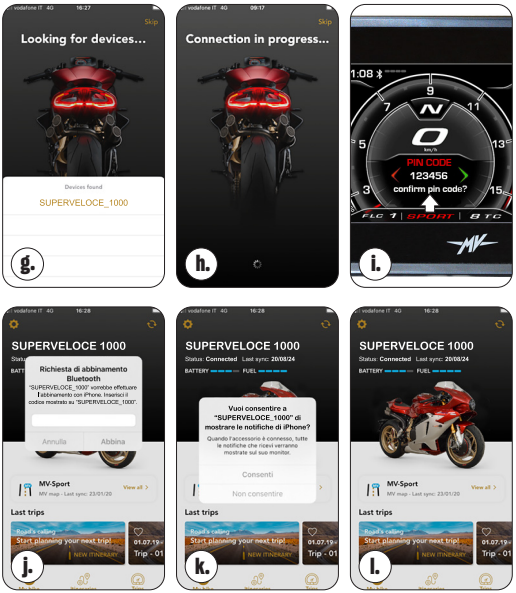
• Setup and complete control of the vehicle electronics;

• Planning and sharing of routes and navigation to the chosen destination;

• Mirroring of driving directions when browsing via the App is active;

• Receipt of incoming notifications on your smartphone (SMS, main messaging services and social networking) displayed as icons on the dashboard;

• Transfer of travel data recorded via the vehicle dashboard to the App and their consultation.



4.4.16 Warning / malfunction alerts

The dashboard may highlight the presence of a fault or a malfunction during different using conditions of the motorcycle.



4.4.16.1 Errors identified in the self-diagnostic stage

– As you turn the ignition switch to the ON position, the instruments and the warning lights will go through the self-diagnostic cycle. If the self-diagnostic cycle detects a fault in the vehicle or a low battery voltage, the display shows one of the possible error messages shown in the picture. In particular, this message highlights the vehicle part or device on which the fault has been detected.

– When several faults are detected, the display can show up to 9 error messages. Press the "◄" (left) or "►" (right) controls to display all involved components.



– In the event of minor faults, the system allows the engine to be started. Press the "OK" button for two seconds or the engine ignition button to bring the display in "STANDARD" mode.

– If the fault is still present after starting the engine, the relevant error message should be shown on the dashboard display (see § 4.4.16.2).

WARNING

In the event of a minor fault, start the engine and go to an authorised MV Agusta service centre as soon as possible.

– In the event of major faults, the engine cannot be started.

WARNING

In the event of major faults, do not try to start the engine and contact an authorised MV Agusta service centre to solve the issue.





❑ Immobilizer system error

– If, for any reason, the system cannot recognise the ignition key code, the “Immobilizer” warning light turns on and the display shows the “PIN CODE” screen shown in the picture. In order to be allowed to start the engine, the secret code must be entered manually according to the procedure described at § 4.4.14.



❑ Anti-Tampering (Protection against tampering)

– If the engine control unit has been replaced with a non-genuine or non-compliant component, “VIN LOCKED” appears on the display. In this case, it is not possible to start the engine. Contact an authorised MV Agusta service centre to solve the issue.



4.4.16.2 Errors detected while using the vehicle

– When the system detects a fault during the normal operation of the vehicle, an error message like the one shown here is displayed; in particular, the malfunctioning unit or component of the motorcycle is highlighted. At the same time, further fault warning lights for specific types of components may also turn on (see § 3.7.1.).



WARNING

In the event of faults of components that are essential for the operation of the vehicle, the error message includes the "STOP ENGINE" message. In these cases, stop and park the vehicle in the first available space outside the road lane and immediately turn off the engine. Do not resume travel and contact an authorised MV Agusta service centre to solve the issue.

– By pressing the "◀" (left) control, the display error message disappears and is replaced by a warning sign to indicate that the malfunction is still present. The warning lights also remains on if the system is not able to automatically solve the issue. Both signals remain on until the fault is repaired.

WARNING

If the dashboard continues to indicate a malfunction, go to an authorised MV Agusta service centre as soon as possible to repair the vehicle.

– If malfunctions on several components of the vehicle are detected at the same time, the display will show two overlapping warning signs, to indicate the presence of multiple faults.







❑ Open side stand

– *With the vehicle stopped*: After turning on the engine, the system checks the condition of the side stand. If it is extended or open, the display shows the danger sign shown in the picture. If the side stand remains open, the system turns off the engine as soon as a gear is engaged to take off.

WARNING

In order to be allowed to start the vehicle, ensure that the side stand is fully withdrawn before engaging a gear.

– *During travel*: If the side stand accidentally opens while the vehicle is travelling, the display shows this error message.

WARNING

If there is an indication that the side stand opened during travel, close it immediately in order to avoid losing control of the vehicle which could result in an accident.





❑ High coolant temperature

– If a high value of the coolant temperature is detected, the display shows the warning alert shown in the picture.



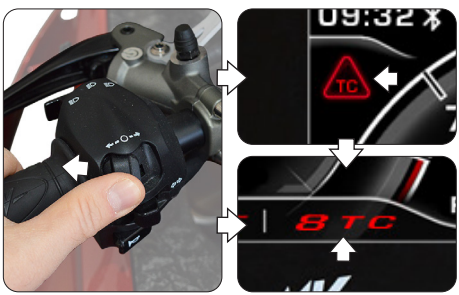
WARNING

If the coolant temperature is high, stop the motorbike and check the coolant level. If it needs to be filled up, contact a MV Agusta authorised service centre (see § 6.3). If the warning alert appears even if the level is correct, do not resume travel and contact a MV Agusta authorised service centre.

❑ TC (Traction Control) malfunction

– *TC Recovery Mode*: If there is a malfunction of the control unit such that the complete functionality of the traction control cannot be guaranteed, the system enters recovery mode. In this case, the warning message shown at the side appears on the display and the "TC" warning light comes on. The "TC" value is displayed in red colour; in this condition, the traction control function is still active but with a higher intervention level to guarantee an adequate safety level.
– Press the "◄" (left) control to select the option "HIDE" (hide message). The warning message disappears and the display returns to "STANDARD" mode. The "TC" warning light stays on and the "TC" value remains in red colour if the system is not able to automatically solve the issue. Both signals remain on until the fault is repaired.





WARNING
If the dashboard continues to indicate a malfunction, go to an authorised MV Agusta service centre as soon as possible to repair the vehicle.

– *TC Diagnosis Mode*: If there is a malfunction of the control unit such that the intervention of the traction control cannot be guaranteed, the system enters diagnosis mode. In this case, the error message shown at the side appears on the display and the "TC" warning light comes on. The RPM limiter indicator lights up red and flashes for 60 seconds, while the "TC" value is displayed in red colour and changes to "**0**"; in this condition, the traction control function is deactivated.
– Press the "◄" (left) control to select the option "HIDE" (hide message). The error message disappears and the display returns to "STANDARD" mode. The "TC" warning light stays on and the "TC" value remains in red colour if the system is not able to automatically solve the issue. Both signals remain on until the fault is repaired.

WARNING

If the dashboard continues to indicate a malfunction, go to an authorised MV Agusta service centre as soon as possible to repair the vehicle.

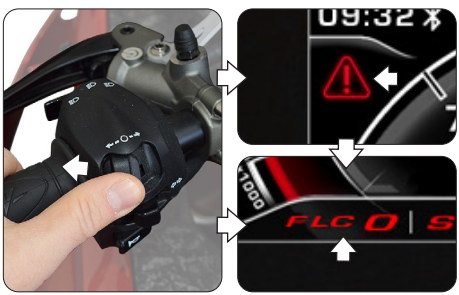




❑ FLC (Front Lift Control) malfunction

– *FLC Diagnosis Mode*: If there is a malfunction such that the intervention of the Front Lift Control cannot be guaranteed, the system enters diagnosis mode. In this case, the error message shown at the side appears on the display and the fault warning light comes on. The RPM limiter indicator lights up red and flashes for 60 seconds, while the "FLC" value is displayed in red colour and changes to "**0**"; in this condition, the Front Lift Control function is deactivated.
– Press the "◄" (left) control to select the option "HIDE" (hide message). The error message disappears and the display returns to "STANDARD" mode. The fault warning light stays on and the "FLC" value remains in red colour if the system is not able to automatically solve the issue. Both signals remain on until the fault is repaired.





WARNING
If the dashboard continues to indicate a malfunction, go to an authorised MV Agusta service centre as soon as possible to repair the vehicle.

4.5 REFUELLING

WARNING
Petrol and its fumes are highly toxic and flammable. Avoid contact and inhalation.
When refuelling, switch off the engine, avoid smoking, and keep away from flames, sparks and heat sources. Perform refuelling in the open air or in a well ventilated area.

CAUTION: Only use fuel having the following characteristics:
- Unleaded gasoline
- Ethanol content up to 10% volume
- R.O.N. octane rating of 95 or higher

The green dot under the fuel tank cap lip and the "E10" label on the fuel tank itself serve as reminders.

E10

– Lift the dust cover.

– Insert the key into the lock and rotate it clockwise.





– Lift the tank cap and operate the refuelling.

WARNING

Overfilling the tank may cause the fuel to overflow as a result of the expansion due to the heat from the engine or to exposure to sunlight. Fuel spills can catch fire. The level of the fuel in the tank must never be higher than the base of the filler.

– After refuelling, press down the tank cap while rotating the key counterclockwise to facilitate the locking. Then release the key and remove it.

CAUTION

Immediately wipe the overflown fuel with a clean cloth, to avoid damage to the painted or plastic surfaces.

WARNING

Verify that the tank filler cap is correctly closed before using the motorcycle.





4.6 PASSENGER SADDLE REMOVAL

– Insert the key into the lock.

– Rotate the key clockwise while slightly pushing the saddle. Lift the saddle while pulling it towards the front side of the motorcycle and remove it as shown in the picture.

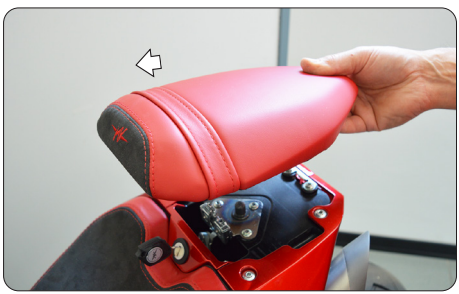
In order to reassemble the above mentioned part, you must perform the following operations:

- Rotate the key into the lock;
- Replace and hook the saddle;
- Press down the seat;
- Release the key;
- Press down the seat once more, so to make sure of its firm coupling to the frame.

WARNING: Every time you remove and refit the seat and every time the vehicle is used, make sure that the above mentioned part is correctly placed and that it is firmly secured to the motorcycle framework.







4.7 DRIVER'S SADDLE REMOVAL

– Remove the passenger saddle as described in paragraph §4.6.

– Press the lever inside the rear frame housing to unlock the driver's saddle.

– Lift the saddle while pulling it towards the rear side of the motorcycle and remove it as shown in the picture.

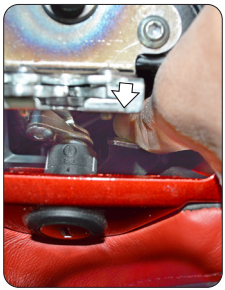
In order to reassemble the above mentioned part, you must perform the following operations:

- Replace and hook the driver's saddle;
- Reassemble the passenger saddle as described in paragraph §4.6.

WARNING

Every time you remove and refit the seat and every time the vehicle is used, make sure that the above mentioned part is correctly placed and that it is firmly secured to the motorcycle framework.







4.8 PARKING THE MOTORCYCLE

❑ Using the sidestand

WARNING

Park the motorcycle safely on solid ground. On slopes, engage the first gear and park the vehicle so that the front wheel faces uphill. Remember to put the gear lever in the neutral position before restarting the engine. Never leave the vehicle unattended while the engine key is in the dashboard.

WARNING

Do not sit on the vehicle when it is parked on the sidestand, as your full weight would rest on the vehicle's only support. Before riding off, ensure that the sidestand warning light on the instrument panel goes out. In any case, make sure that the stand has been retracted. If you notice a malfunction of the side stand switch, have it controlled by your MV Agusta dealer before using the motorcycle.



– Using your foot, lower the sidestand as far as it will go, and then slowly tip the motorcycle toward you to bring the stand supporting foot into contact with the ground's surface.

❑ Using the rear stand

– Insert the stand pin into the rear wheel axle hole on the left side of the motorcycle. Rest the stand on the ground and, pressing down on the stand, lift the vehicle until it reaches a stable condition.

WARNING

This operation must be carried out with two people.







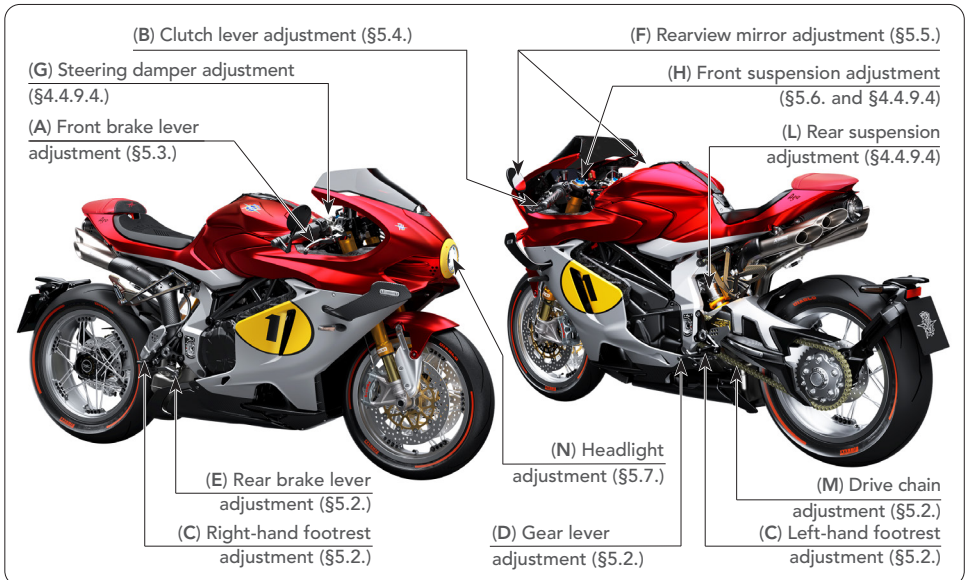


5.1 LIST OF ADJUSTMENTS

There are many adjustments that can significantly improve the ergonomics, geometry and safety of the motorcycle.

However, since an incorrect adjustment of particularly important components can lead to dangerous situations, some of the above adjustments must be performed only by authorized MV Agusta Service Centres.

WARNING
All adjustments must be performed when the vehicle is stationary.


(B) Clutch lever adjustment (§5.4.)
(F) Rearview mirror adjustment (§5.5.)
(G) Steering damper adjustment (§4.4.9.4.)
(H) Front suspension adjustment (§5.6. and §4.4.9.4)
(A) Front brake lever adjustment (§5.3.)
(L) Rear suspension adjustment (§4.4.9.4)
(N) Headlight adjustment (§5.7.)
(E) Rear brake lever adjustment (§5.2.)
(M) Drive chain adjustment (§5.2.)
(C) Right-hand footrest adjustment (§5.2.)
(D) Gear lever adjustment (§5.2.)
(C) Left-hand footrest adjustment (§5.2.)

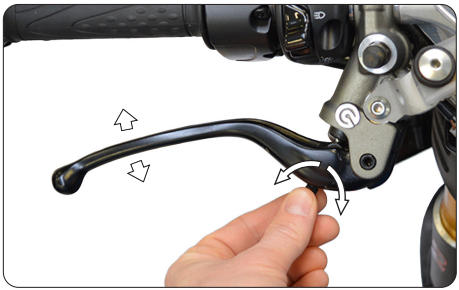
5.2 TABLE OF ADJUSTMENTS

	**A - Front brake lever adjustment:** Optimizes the grip to suit the rider's needs (§5.3).
	**B - Clutch lever adjustment:** Optimizes the grip to suit the rider's needs (§5.4).
	**C - LH and RH footrests adjustment:** Optimizes the position of the feet to suit the rider's needs.
	**D - Gear lever adjustment:** Optimizes the position of the lever to suit the rider's needs.
	**E - Rear brake lever adjustment:** Optimizes the position of the lever to suit the rider's needs.
	**F - Rearview mirror adjustment:** Optimizes the orientation of the rearview mirrors (§5.5).
	**G - Steering damper adjustment:** Adjusts the steering stiffness to the rider's preference (§4.4.9.4.).

	H - Front suspension adjustment: The following can be adjusted to adapt the response of the suspension to the rider's preference: • spring preload (§5.6.1.) • rebound damper (§4.4.9.4.) • compression damper (§4.4.9.4.)
	L - Rear suspension adjustment: The following can be adjusted to adapt the response of the suspension to the rider's preference:
	• geometry height • spring preload
	• rebound damper (§4.4.9.4.) • compression damper (§4.4.9.4.)
	M - Drive chain adjustment: To ensure safe and effective transmission of power.
	N - Headlight adjustment: To adjust the range of the light beam to the geometry of the motorcycle (§5.7.).

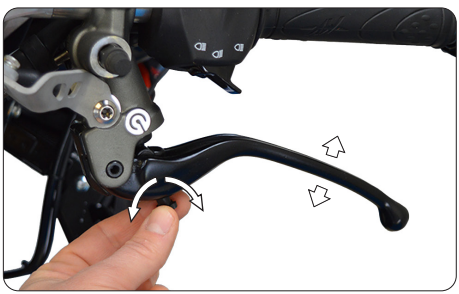
5.3 ADJUSTING THE FRONT BRAKE LEVER

Rotate the lever adjust to change its position.
Clockwise: the lever moves closer to the handle.
Counterclockwise: the lever moves away from the handle.



5.4 ADJUSTING THE CLUTCH LEVER

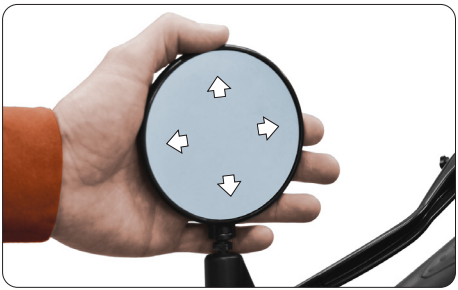
Rotate the lever adjust to change its position.
Clockwise: the lever moves closer to the handle.
Counterclockwise: the lever moves away from the handle.



5.4 ADJUSTING THE REARVIEW MIRRORS

Rotate the rearview mirror body to adjust its position in the four directions.

Perform the adjustment on both rearview mirrors. It is recommended to sit on the vehicle in order to optimize the rearview mirrors adjustment.



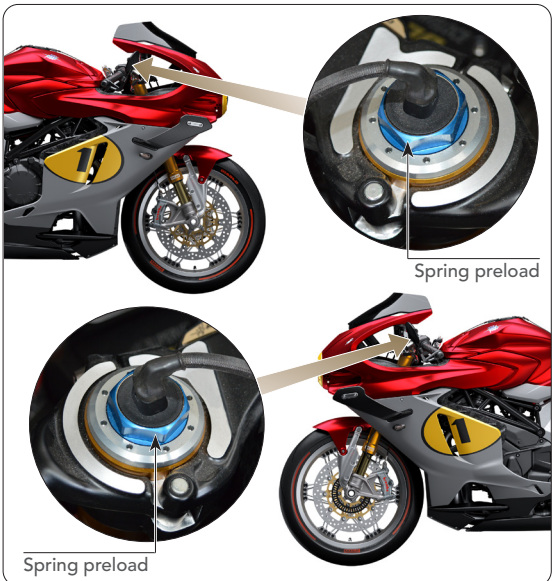
5.6 ADJUSTING THE FRONT SUSPENSION

NOTE

The adjustment of the suspensions must be preferably performed with the fuel tank full.

NOTE

For rebound and compression damping adjustment, refer to the procedures described at §4.4.9.4.



5.6.1 Spring preload (Front suspension)

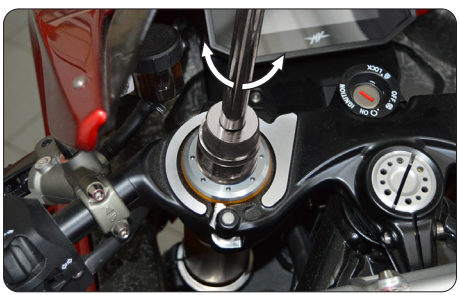
– In order to access to the spring preload adjustment nut, lift the protection sheath and detach the connector by using a flat head screwdriver.





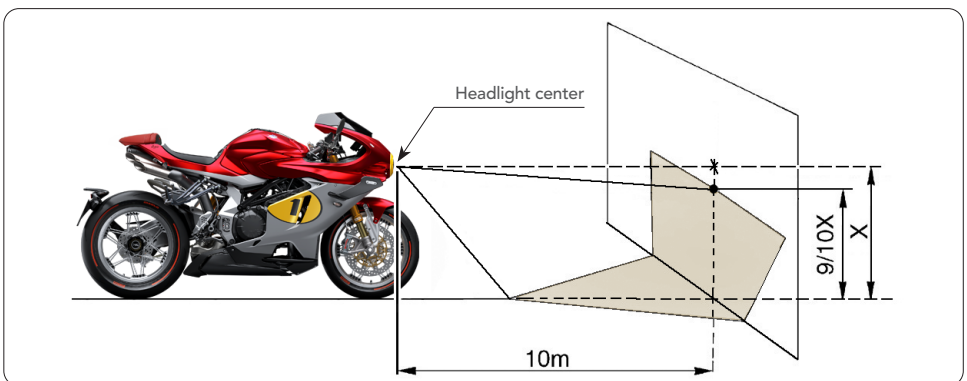
– The adjustment is obtained from the reference position, which is found by fully turning the adjusting nut counterclockwise; from this position, turn the screw clockwise until you reach the standard position (see enclosed table). Rotate clockwise to increase the spring preload or counterclockwise to decrease it.

– When the adjustment operations have been completed, reattach the connector and replace the protection sheath.



5.7 HEADLIGHT ADJUSTMENT

Place the vehicle at a distance of 10 m from a vertical wall. Make sure that the motorcycle is placed on an even horizontal surface, and that the headlight's optical axis is perpendicular to the wall.
The vehicle must be held in an upright position. Measure the "X" distance between the headlight center and the ground surface, then trace a small cross on the wall at the same height.
When you turn the headlight on, the upper boundary line between the dark area and the lighted area must be at an height equal or lower than the 9/10 of the headlight center height (X).



The light beam can be adjusted vertically by performing the following operations:

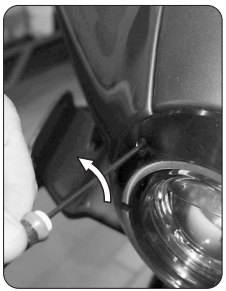
– Remove the 4 fixing screws of the headlamp ring nut by using the supplied 2.5 mm Allen wrench.

– Remove the headlamp ring nut.

– Introduce a spherical Torx TX20 key in the hole on the front right portion of the front fairing until it engages the head of the headlamp adjustment internal screw.

– By turning the internal screw, it is possible to perform the vertical adjustment of the light beam. If turned in a clockwise direction: the optical unit tilts upwards. If turned in an anti-clockwise direction: the optical unit tilts downwards. It can be tilted up to an angle of ±4° from the standard position.

– When the adjustment operations have been completed, reassemble the headlamp ring nut and fix it with the related fixing screws.







6.1 TABLES OF SCHEDULED MAINTENANCE AND CHECKS

The main periodic checks and maintenance operations are shown in the following tables. These operations are necessary to keep the motorcycle safe and in perfect running order.

The intervals indicated in the periodic maintenance and lubrication tables must be intended as a general guide under normal riding conditions. It could be necessary to reduce these intervals according to the climate, the ground conditions, the geographic position and the conditions of use.

Some of the operations can be carried out by the user, providing he or she possesses the requisite skills. If unskilled, have the operations performed by an authorized service centre.

As a rule maintenance operations must be performed while the motorcycle is on the rear stand after switching off the engine and setting the start switch to OFF. On the contrary, while checking the fluid levels it is advisable to keep the motorcycle in an upright position without using the rear stand.

After the first 48,000 km (29,800 mi) the operations must be performed at the same intervals shown in the tables.

WARNING

- Impropriety or lack of recommended maintenance operations can lead to an increase of the risk of accidents and damage to the motorcycle.
- Always use genuine MV Agusta spare parts. Using non-genuine spare parts can accelerate the wear of your motorcycle and shorten its life.
- Failure to perform the recommended operations, as well as using non-genuine spare parts, could cause the warranty not to be operating.
- To replace or top up the lubricants and fluids of your motorcycle, use only the products given at paragraph §6.3.

WARNING

If you use the motorcycle on race track, we recommend to have the bike checked before and after using it by skilled personnel belonging to the MV Agusta Service Centres network.

Using the motorcycle on road track is allowed only occasionally and, however, not for competitive purpose, even during amateur events.

Using the motorcycle on road track could cause a considerable increase of the wear of its components, which would bring to a reduction of their life duration with reference to a normal use on road or highway route.

❑ Tables of scheduled maintenance

km (mi) covered			*0*	*1000 (600)*	*6000 (3800)*	*12000 (7500)*	*18000 (11200)*	*24000 (14900)*	*30000 (18600)*	*36000 (22400)*	*48000 (29800)*
Service coupon			*Pre-delivery*	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
Description		*Operation*									
Engine control unit		Check mapping	●	●	●	●	●	●	●	●	●
Engine oil		Check level	Every time vehicle is used								
		Renew		●	●	●	●	●	●	●	●
			At least once a year								
Engine oil filter		Replace (Use only MV Agusta genuine spare parts)		●	●	●	●	●	●	●	●
			Every time engine oil is changed								
Coolant		Check level	Every time vehicle is used								
		Check / Restore level	●	●	●	●	●	●	●	●	●
		Renew	At least every two years								
Cooling system		Check for leakage	●	●	●	●	●	●	●	●	●
Electric fans		Check operation	●	●	●	●	●	●	●	●	●
Valves		Check / Adjust						●			●
Spark plugs		Replace				●		●		●	

❑ Tables of scheduled maintenance

km (mi) covered			*0*	*1000 (600)*	*6000 (3800)*	*12000 (7500)*	*18000 (11200)*	*24000 (14900)*	*30000 (18600)*	*36000 (22400)*	*48000 (29800)*
Service coupon			*Pre-de-livery*	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
DESCRIPTION		*OPERATION*									
Timing chain		Replace									●
Timing movable shoe		Replace									●
			Every time timing chain is replaced								
Timing chain stretcher		Replace									●
			Every time timing chain is replaced								
Air filter		Check / Replace		●	●	●	●	●	●	●	●
Brakes / Clutch fluid		Check level	Every time vehicle is used								
		Check level	●	●	●	●	●		●	●	
		Replace						●			●
			At least every two years								
Brake pads (front and rear)		Check wear	Every 1000 km (600 mi)								
		Check / Replace		●	●	●	●	●	●	●	●

❑ Tables of scheduled maintenance

km (mi) covered			*0*	*1000 (600)*	*6000 (3800)*	*12000 (7500)*	*18000 (11200)*	*24000 (14900)*	*30000 (18600)*	*36000 (22400)*	*48000 (29800)*
Service coupon			*Pre-de-livery*	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
Description		*Operation*									
Brakes / Clutch		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●
		Check lines for leakage	●	●	●	●	●	●	●	●	●
		Check clutch lever idle stroke	●	●	●	●	●	●	●	●	●
Fuel lines and connections		Check for defects and leakage / Replace	●	●	●	●	●	●	●	●	●
Rear wheel hub		Check and lubrificate needle bearing / Replace				●		●		●	●
Drive chain		Check	Every 1000 km (600 mi)								
		Lubricate	Every 1000 km (600 mi) and after riding under the rain								
		Check / Adjust / Replace	●	●	●	●	●	●	●	●	●
		Lubricate		●	●	●	●	●	●	●	●

❑ Tables of scheduled maintenance

km (mi) covered			*0*	*1000 (600)*	*6000 (3800)*	*12000 (7500)*	*18000 (11200)*	*24000 (14900)*	*30000 (18600)*	*36000 (22400)*	*48000 (29800)*
Service coupon			*Pre-de-livery*	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
Description		*Operation*									
Front sprocket / Tab washer		Check / Replace	●	●	●	●	●	●	●	●	●
		Replace	Every time drive chain is replaced								
Rear sprocket		Check / Replace	●	●	●	●	●	●	●	●	●
		Replace	Every time drive chain is replaced								
Rear sprocket flange nut		Check tightening		●	At least once a year						
Rear sprocket spring drive		Check	●	●	●	●	●	●	●	●	●
		Replace				●		●		●	
Steering bearings		Check / Adjust				●		●		●	
		Lubricate						●			●
Front wheel bearings		Check			●	●	●	●	●	●	●
Exhaust valve trasmission cables		Check / Adjust	●	●	●	●	●	●	●	●	●

❑ Tables of scheduled maintenance

km (mi) covered			*0*	*1000 (600)*	*6000 (3800)*	*12000 (7500)*	*18000 (11200)*	*24000 (14900)*	*30000 (18600)*	*36000 (22400)*	*48000 (29800)*
Service coupon			*Pre-de-livery*	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
Description		*Operation*									
Tyres		Check pressure	Every time vehicle is used; at least every 10 days								
		Check wear	Every time vehicle is used; at least every 500 km (300 mi)								
		Check pressure	●	●	●	●	●	●	●	●	●
		Check wear		●	●	●	●	●	●	●	●
Wheel rims		Inspect visually		●	●	●	●	●	●	●	●
			Every time tyre is replaced								
Sidestand		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●
Side stand switch		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●
Evaporative emission control system		Check / replace hoses, connections and canister					●		●		
		Check / clean hot air inlet on canister					●		●		

❑ Tables of scheduled maintenance

km (mi) covered			*0*	*1000 (600)*	*6000 (3800)*	*12000 (7500)*	*18000 (11200)*	*24000 (14900)*	*30000 (18600)*	*36000 (22400)*	*48000 (29800)*
Service coupon			*Pre-de-livery*	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
DESCRIPTION		*OPERATION*									
Swingarm bearings		Check / Lubricate								●	
Lower chain pad on swingarm		Check / Replace		●	●	●	●	●	●	●	●
		Replace	Every time drive chain is replaced								
Upper chain pad on swingarm / Chain pads on frame plates		Check		●	●	●	●	●	●	●	●
Rear shock absorber		Check / Adjust		●	●	●	●	●	●	●	●
Front fork		Check / Adjust		●	●	●	●	●	●	●	●
		Renew oil						●			
Battery connections		Check and clean		●	●	●	●	●	●	●	●
Electrical equipment		Check integrity	●	●	●	●	●	●	●	●	●
Instrument panel		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●

❑ Tables of scheduled maintenance

km (mi) covered			*0*	*1000 (600)*	*6000 (3800)*	*12000 (7500)*	*18000 (11200)*	*24000 (14900)*	*30000 (18600)*	*36000 (22400)*	*48000 (29800)*
Service coupon			*Pre-delivery*	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
Description		*Operation*									
Lights / Visual signals		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●
Horn		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●
Headlight		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●
		Adjust	Every time geometry is changed								
Locks		Check operation	Every time vehicle is used								
		Check operation	●	●	●	●	●	●	●	●	●
Screws and nuts		Check / Tighten	●	●	●	●	●	●	●	●	●
Hose clamps		Check / Tighten	●	●	●	●	●	●	●	●	●
General lubrication			●	●	●	●	●	●	●	●	●
General test			●	●	●	●	●	●	●	●	●

6.2 TOOLS AND ACCESSORIES SUPPLIED

Under the passenger seat you can find the following tools:

- 2 Allen wrenches (2,5 mm. - 4 mm hexagon);
- 1 fuse puller.

Inside the fuse box are also provided the following spare fuses (see §6.13.1):

- 1 fuse (10A);
- 2 fuses (15A);
- 1 fuse (25A).



6.3 TABLE OF LUBRICANTS AND FLUIDS

Description	*Recommended product*	*Specifications*
Engine lubrication oil	Motul 7100 4T 10W-60 (*)	SAE 10W-60 - API SN
Coolant	Motul Motocool Factory Line	Product based on monoethyleneglycol Ready to use - Do not add water
Brake and clutch fluid	Motul DOT 3 & 4 Brake Fluid	DOT4
Drive chain lubrication oil	Motul Chain Lube Road	–

* : MV Agusta suggests to refer directly to its authorized dealers in order to purchase the recommended product. The Superveloce 1000 AGO motorcycle engine has been developed with Motul 7100 4T 10W-60 engine oil. If the above described lubricant is not available, MV Agusta suggests to use a fully synthetic engine oil having characteristics equal or better than the ones prescribed in the following standards:

- Consistent with: API SN / SM
- Consistent with: JASO MA2
- SAE Rating: SAE 10 W-60 or 20W-50

NOTE

The above standard denominations must be written, alone or together, on the engine oil container label.



6.4 CHECKING THE ENGINE OIL LEVEL

Check the oil level while the engine is not running, and has been allowed to cool down for at least ten minutes after a ride.
The check must be performed after placing the motorcycle in an upright position on a horizontal surface.

WARNING
This operation must be carried out with two people.

The level must be between the MAX and MIN marks on the engine crankcase on the right side of the vehicle.
If the oil level is below the MIN mark, top up as described in § 6.4.1.

WARNING
Do not start the engine if the oil level is below the MIN mark.



6.4.1 Topping up the engine oil level

Remove the oil filler plug by using a 10 mm hexagonal bar, assembled on a proper key (see figure). Pour an appropriate amount of engine oil of the recommended type. Never exceed the MAX level mark. At the end of the operation, place back the oil filler plug.



WARNING

Before reassembling the oil filler plug, grease its O-Ring by using silicone grease.
At last, perform the tightening of the oil filler plug at the tightening torque of 35 Nm, by using a dynamometric key.

CAUTION

To avoid clutch sliding and damage to the engine, never add chemical additives to the engine oil, nor use an engine oil different from the one specified in the table at § 6.3. Make sure that no foreign body gets in the crankcase while topping up the engine oil.

WARNING

New or exhaust engine oil can be dangerous. Engine oil is highly toxic for people and domestic animals. Avoid ingestion and contact. In the event of an engine oil ingestion, immediately call a doctor and do not cause vomiting, in order to avoid inhalation of engine oil in lungs. It has been proved that prolonged contact with engine oil can cause skin cancer on guinea pigs. Even a brief contact with engine oil can cause skin irritation.

- Keep new or exhaust engine oil out of reach of children and domestic animals.
- While topping up the engine oil, wear a long-sleeved shirt and a pair of water-proof gloves to protect your skin.
- If the engine oil comes in touch with your skin, wash it away with soap and water.
- Correctly recycle or dispose of the exhaust engine oil, in order to avoid environmental pollution.

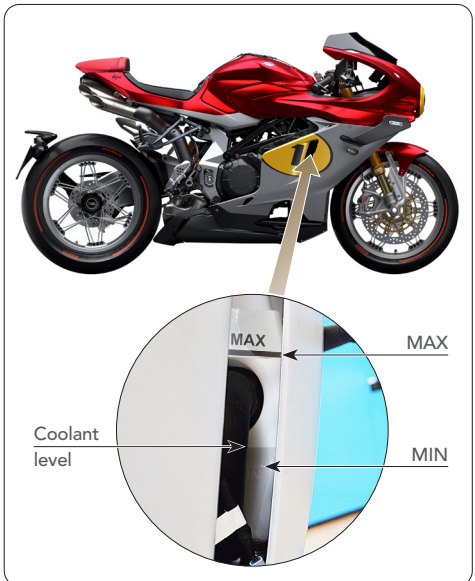
6.5 CHECKING THE COOLANT LEVEL

Check the coolant level while the engine is off and cold.
The check must be performed after placing the motorcycle in an upright position on a horizontal surface.

WARNING
This operation must be carried out with two people.

Ensure that the coolant level should be slightly above the MIN mark, as shown in the figure. In any case, the coolant level must not exceed the MAX mark.
If the coolant level is below the MIN mark, have the coolant topped out by an authorized MV Agusta service centre.

WARNING
Do not start the engine if the coolant level is below the MIN mark.



WARNING

Perform the topping up of the coolant when the engine is off and cold. Never attempt to remove the coolant filler cap when the engine is hot, in order to avoid the risk of burns. The cooling system is under pressure!

WARNING

Under certain conditions, ethylene glycol contained in the coolant can become flammable. When it is lighted, it produces an invisible flame. Avoid spilling coolant on hot parts of the motorcycle, because the subsequent combustion of ethylene glycol could cause serious burns.

WARNING

Coolant is a highly toxic fluid. Avoid ingestion and contact with your skin or eyes. Keep coolant out of reach of children and domestic animals. In the event of a coolant ingestion, immediately call a doctor and do not cause vomiting, in order to avoid inhalation of coolant in lungs. If the coolant comes in touch with your skin or eyes, immediately wash it away with water.

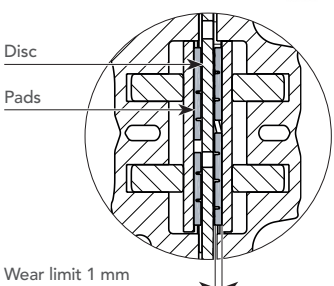
CAUTION

To top up the coolant level and/or renew the coolant, use only the product specified in the table at paragraph 6.3. Do not mix nor dilute the coolant with additives or different fluids. If the coolant specified at paragraph 6.3 is not available, use a coolant having technical characteristics consistent with the prescribed product.

CAUTION

Coolant can damage painted and plastic parts. When you top up the coolant level, be careful not to spill coolant on any part of the motorcycle. If you do spill coolant on your motorcycle, immediately wipe it away using a clean cloth.





6.6 CHECKING THE WEAR OF THE BRAKE PADS

Periodically check the width of the friction material layer of the pads, making sure it never falls below the wear limit (1 mm).

WARNING

If the brake pads are excessively worn out, the effectiveness of the braking system decreases, increasing the risk of accidents. If the pads have worn to near the wear limit, have both pads replaced by an authorized service centre. Ensure that the new pads are suitably broken in.



6.7 CHECKING THE BRAKE FLUID LEVEL

WARNING

Lack of maintenance of the braking system can increase the risk of accidents.

Before riding, always check the braking system according to the instructions below.

The level of the brake fluid decreases as the brake pads wear down. Ensure that the fluid level is always between the MAX and MIN marks. If the level falls below the MIN mark, contact an authorized service centre and have the brake system overhauled.

WARNING

Never use your motorcycle if the fluid level is below the MIN mark. The brakes may fail to properly operate, which could lead to an accident. If the brake fluid level is below the MIN mark, you must have the braking system overhauled by an authorized MV Agusta dealer.

WARNING

Have the topping up of the brake fluid performed only by skilled personnel. Brake fluid is highly toxic. Avoid contact and ingestion. Keep brake fluid out of reach of children and domestic animals. In the event of a brake fluid ingestion, immediately call a doctor and do not cause vomiting, in order to avoid inhalation of brake fluid in lungs. If the brake fluid comes in touch with your skin or eyes, immediately wash with water.

WARNING

Use only the brake fluid specified at paragraph 6.3. of this manual. Mixing different brake fluids can cause a dangerous chemical reaction, as well as the decrease of the braking efficiency, with subsequent increase of the risk of accidents.

WARNING

An insufficient amount of brake fluid may allow the introduction of air in the braking system. This could compromise the effectiveness of the braking system, with subsequent increase of the risk of accidents. Presence of air in the braking system can be identified in the moment you feel a characteristic "spongy effect" while pushing the brake lever. In this case, have a braking system bleeding performed by an authorized MV Agusta dealer before riding your motorcycle again.

6.8 CHECKING THE CLUTCH FLUID LEVEL

The fluid level must be between the MAX and MIN marks.
If the level falls below the MIN mark, contact an authorized service centre and have the clutch control system repaired.

WARNING
Never use your motorcycle if the fluid level is below the MIN mark. The clutch may fail to properly operate, which could lead to an accident. If the clutch fluid level is below the MIN mark, have the clutch system overhauled by an authorized MV Agusta dealer.

WARNING
Use only the clutch fluid specified in the paragraph 6.3. of this manual.



6.9 CHECKING AND REPLACING THE TYRES

WARNING

Before using the motorcycle, always check the pressure and wear of the tyres.

Checking the inflating pressure of the tyres is an essential requirement to ensure driving safety. Insufficiently inflated tyres can reduce the handling of the motorcycle and wear themselves out very quickly. On the other hand, an excessively high inflating pressure reduces the wideness of the surface in contact with the ground, and it can compromise the grip of the vehicle.

Before riding your motorcycle, it is therefore necessary to measure the tyre pressure at room temperature. The vehicle must be parked since three hours at least. In fact, by checking the pressure soon afterwards using the motorcycle, you would obtain a higher value than the actual one. This could cause an incorrect adjustment of the tyre pressure.

Refer to the pressures given in § 8.2. and/or on the label applied on the chain guard. In the event of long travels, you can increase the face value of the tyre pressure of 0.2 bar.



WARNING

An incorrect inflating pressure can lead to dangerous situations during riding. An insufficiently inflated tyre can cause the sliding of the tyre on the wheel rim or its detachment; this may lead to the deflation of the tyre with subsequent loss of control of the vehicle.

Moreover, it is extremely important to check the wear of the tyres before riding. In fact, a worn out tyre can be punctured more easily than a new one, and it can adversely affect handling and stability of the motorcycle.
Check that the depth of the tyre tread is not below the values prescribed by the Highway Code.
Verify the absence of crevices at the bottom of the tread design and fissures on the tyre sidewall. Moreover, verify the absence of nails and glass splinters in the tyre. If these conditions are not verified, have the tyre replaced by an authorized MV Agusta dealer.

WARNING

The limits of the tyre tread depth may vary from country to country. Always refer to the values prescribed by the law provisions of the nation in which you use your motorcycle.

WARNING

- **If the tyres of your motorcycle are excessively worn out, have it replaced by your MV Agusta dealer. Besides being illegal, riding a motorcycle with excessively worn out tyres can reduce its stability and lead to the loss of control of the vehicle.**
- **If a tyre is punctured it must be replaced, not repaired. A repaired tyre provides a restricted performance and lower safety levels than a new one. If you make a provisional or emergency repair to a tyre, you must ride at very low speed until you reach the nearest MV Agusta dealer and have the tyre replaced. With a provisionally repaired tyre, never exceed 60 km/h. Tyre repairing must never be performed if the tyre is punctured on its sidewall, or if the diameter of the puncture on the tread is greater than 6 mm.**

- MV Agusta recommends not to use sealing fluids to repair a punctured tyre. These products can adversely affect the material of the tyre layers, as well as hide the minor damages caused by objects penetrated in the tyre.
- When it is necessary to replace the tyres, use only the type specified in paragraph 8.2. Moreover, avoid using tyres of a different brand or type on the front and on the rear wheel at the same time. Using tyres different from those specified can adversely affect the handling and stability of the motorcycle, increasing the risk of accidents.
- The wheel rims of your motorcycle have been designed for use with tubeless tyres only. Do not assemble an air tube tyre on rims designed for tubeless tyres. Otherwise, the tyre bead could not properly settle down on the wheel rim, leading to the deflation of the tyre and the loss of control of the vehicle.
- Do not assemble an air tube on a tubeless tyre. The overheating of the tyre could cause the explosion of the air tube, leading to the deflation of the tyre and the loss of control of the vehicle.
- Have the tyres replaced according to their direction of spin, which is highlighted by a small arrow on the tyre sidewall.
- New tyres should be run in for a short period before demanding their full performance. In fact, during this period the tyres could have a reduced grip on some kind of roads. We suggest to ride at reduced speed and exercise extreme caution during the first 100 km after the replacement of a tyre.

❑ Rear wheel disassembling

CAUTION

If you have the rear wheel tyre replaced by a tyre-dealer, make sure that the following tools are used in the rear wheel disassembling and reassembling:

- **55 mm polygonal socket wrench**
- **Torque wrench**

If the above mentioned operations are performed with tools other than those indicated, the rear wheel parts can be seriously damaged. Therefore, we strongly recommend not to have the tyres replaced by an improperly equipped workshop. Always have the tyres replaced by an authorized MV Agusta dealer.



❑ Checking the wheel rims

Before riding, always verify the absence of cracks, bending or buckling on the wheel rims.

WARNING

If you find that the wheel rim is damaged, have it replaced by an authorized MV Agusta dealer. Never attempt to repair the wheel rim, even in case of slight damage.

Every time you replace a tyre or a rim, you must have a wheel balancing performed by an authorized MV Agusta dealer. Wheel unbalance can adversely affect performance and handling of the motorcycle, as well as shorten the life of the tyres.

WARNING

When you have a wheel balancing performed, make sure to assemble only approved counterweights on the wheel rim. MV Agusta recommends not to use balancing or balancing/sealing fluids.

WARNING

Do not attempt to have a tubeless tyre removed without using the proper tools and protections for the wheel rim. Otherwise, you could damage the sealing surface of the rim, leading to the deflation of the tyre and the loss of control of the vehicle.

6.10 CHECKING AND LUBRICATING THE DRIVE CHAIN

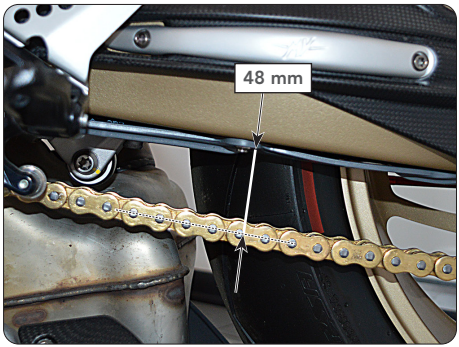
To perform this operation, you must put the motorcycle on the rear stand, upright on a horizontal surface and with the gear in neutral.

❑ Checking the chain adjustment

WARNING

Before checking the chain adjustment, contact a MV Agusta authorized centre to verify that the value of the static setup of the rear suspension is correct. Also make sure that the chain is properly lubricated.

The middle point of the axis of the lower chain portion must be at a distance of **48 mm** from the lower chain pad. Manually turn the rear wheel and carry out the check at several points along the chain. The distance between the chain and the lower chain guard must remain almost constant as the wheel turns. If, on the other hand, the play on the chain varies considerably, it means that some chain links are flattened, seized or elongated. If the distance is greater than 48 mm, have the chain adjusted by your local MV Agusta dealer.



WARNING

Riding your motorcycle when the drive chain is in poor condition or improperly adjusted can lead to accidents. Before riding, always check the chain adjustment according to the procedures shown in this paragraph. If necessary, have the chain adjusted by your MV Agusta dealer.

WARNING

If any chain link is flattened, seized or elongated, have the chain replaced by a MV Agusta authorized service centre.

WARNING

If you notice damage or excessive wear of the chain and the related sprockets, have them replaced by an authorized MV Agusta dealer. Every time the chain is replaced, you must always replace the front and rear sprockets too.

WARNING

Using a chain with a fake link can be dangerous. An uncompletely riveted or fake link can accidentally split open and cause accidents, as well as damage to the engine. Never use a chain with a fake link.

WARNING

Every time it is requested to operate the rear wheel hub screws, contact an authorized MV Agusta dealer. In order to tighten the screws, apply a tightening torque equal to the value shown in the label placed on the swingarm. Applying a torque higher than the indicated value can cause the fast decay of the rear wheel hub, compromising the reliability of the vehicle and the safety of the rider and the passenger.

❑ Lubrication

To ensure proper operation, the drive chain needs to be properly lubricated.

– *Preliminary cleaning*: Before lubrication, the dirt accumulated on the chain must be dissolved using a specific chain cleaning product (Motul MC Care C1 Chain Clean or similar product). The dirt must then be removed with a clean rag and/or an air jet.



CAUTION

The chain is of the O-ring type. To prevent it from damaging, never clean the chain with a steam or high pressure water jet, nor using gasoline or other solvents. The chain must be cleaned using specific chain cleaning products only (Motul MC Care C1 Chain Clean or similar product).

– *Lubrication*: Apply a slight and uniform film of lubricant over the whole length of the drive chain, taking care not to smear the surrounding parts, and in particular the tyres. Direct the lubricant jet on the internal links, in order to lubricate the surface of the O-Rings and penetrate inside the chain roller.



CAUTION

Only use the lubricant specified in the paragraph 6.3. of this manual, in order to protect the drive chain and avoid oil spurts when the vehicle is in motion.

WARNING

Chain lubrication must be performed according to the intervals specified in the tables of scheduled maintenance (see § 6.1.). It is also necessary to perform this operation after riding under the rain and after cleaning the motorcycle. Riding your motorcycle when the drive chain is in poor condition or improperly adjusted can lead to accidents.

6.11 CHECKING THE IDLE SPEED

Check the idle speed when the engine has reached the operating temperature.

The idle speed should range between 1,150 and 1,250 rpm.

If a tune-up is necessary, contact an authorized service centre.



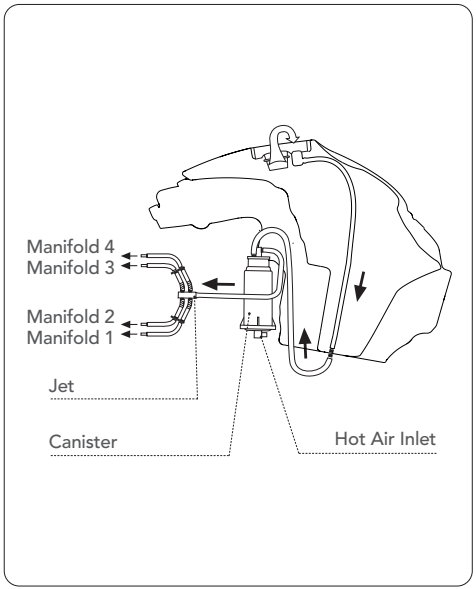
6.12 EVAPORATIVE EMISSION CONTROL SYSTEM

The **MV Agusta SUPERVELOCE 1000 AGO** motorcycle is equipped with an evaporative emission control system which prevents the escape of fuel vapors from the fuel tank. In order to maintain the efficiency and reliability of this device, have the following operations performed by an authorized MV Agusta service centre.

Check (and replace if necessary)
Hoses and connections
Canister

Check (and clean if necessary)
Hot air inlet

CAUTION
The above mentioned operations must be performed according to the intervals specified in the tables of scheduled maintenance (see § 6.1.).



6.13 REPLACING PARTS - GENERAL INFORMATION

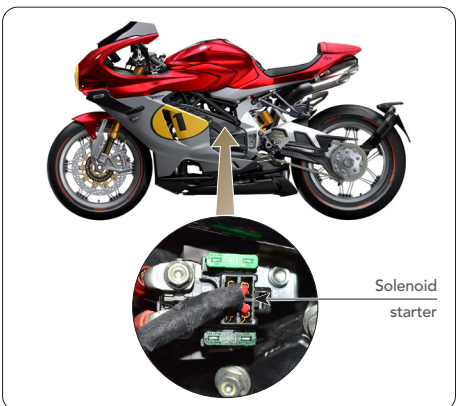
The fuses can be replaced by the rider, following the instructions properly.

The lighting devices must be replaced only by an authorised MV Agusta dealer.

	Battery recharge fuse (§ 6.13.1.)
	Service fuses (§ 6.13.1.)
	Front headlamp - Replacement
	Front turn indicator - Replacement
	Rear turn indicator - Replacement
	License plate light - Replacement
	Rear light - Replacement

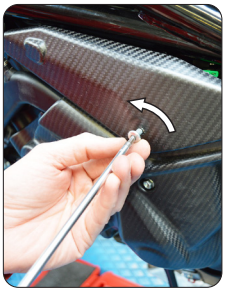
6.13.1 Replacing the fuses

– The battery recharge fuse is located on the solenoid starter, in the position indicated on the left side of the motorcycle.
To reach them, it is necessary to remove the protective cover.



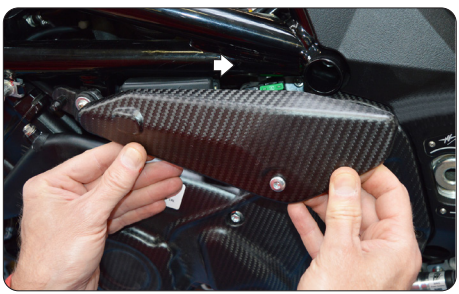
– Remove the fixing screw of the cover by using the supplied 4 mm Allen wrench.

– Extract the rear part of the cover by pulling it outwards.



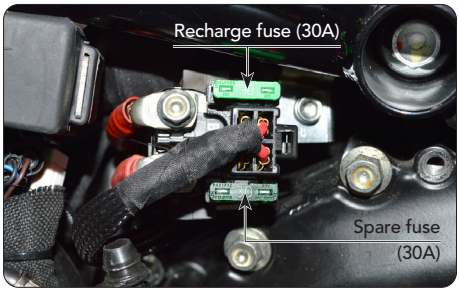


– Remove the cover by pulling it towards the rear part of the motorcycle.



CAUTION

Turn the ignition key on the "OFF" position before checking or replacing the fuses, in order to avoid a short circuit with subsequent damage to other electric parts of the motorcycle.



– To replace the fuse, you must swap the recharge fuse with the spare fuse.



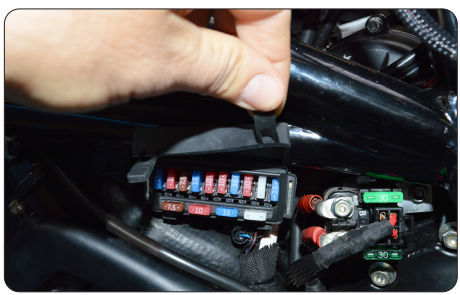
WARNING

Never replace a fuse with a rating other than that prescribed, in order to avoid damage to the electrical equipment of the motorcycle which could lead to a fire.

– The service fuses are located on the left side of the motorcycle.



– Unfasten and lift the lid of the fuse box.



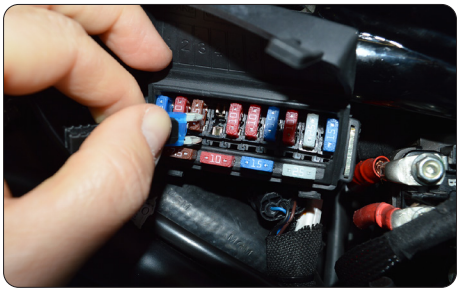
CAUTION

Turn the ignition key on the "OFF" position before checking or replacing the fuses, in order to avoid a short circuit with subsequent damage to other electric parts of the motorcycle.

– To identify the position and function of the fuses, refer to the information provided under the lid of the box and on the attached electrical diagram.
Remember that the fuse box contains four spare fuses.

– Replace the blown fuse and refit the cover.

WARNING
Never replace a fuse with a rating other than that prescribed, in order to avoid damage to the electrical equipment of the motorcycle which could lead to a fire.



6.14 BATTERY

This motorcycle is equipped with a Lithium-Iron-Phosphate battery installed under the driver's saddle. This element is not serviceable and it ensures long duration when used properly. We recommend to strictly follow the operating instructions provided by the manufacturer.

If the battery seems to be run-down (causing electrical problems or a difficult starting), recharge it as soon as possible by connecting the charger to the connector placed on the right side of the motorcycle. Remember that the battery runs down more quickly if your motorcycle is equipped with additive electrical accessories.

WARNING

This type of battery offers a high level of safety if its internal components are protected so as not to compromise their function.
Do not expose the battery to direct sunlight or other heat sources.
Keep the battery away from water, sparks and naked flames.
If you suspect the battery external case is damaged, replace it.
Avoid any contact between the internal components of the battery and your eyes, skin and membranes. In the event of an accidental contact, seek medical assistance immediately.
Always have the battery replaced by an authorised MV Agusta service centre.

❑ Prolonged inactivity

This type of battery keeps the charge for a long period of time; however, in order to preserve its duration, we recommend checking monthly that the charge level gauge is on the middle value. If this value is low, briefly charge the battery with a suitable charger, according to the methods described on the battery body or on the instruction sheet provided with the battery.

WARNING

The inversion of the battery wires can damage the battery and the recharging system. The red wire must be connected to the positive terminal (+), while the black wires must be connected to the negative terminal (-).

When removing the battery, disconnect the negative terminal FIRST and then the positive terminal. When reinstalling the battery, use the reverse procedure.



6.15 CLEANING THE MOTORCYCLE

Periodic careful cleaning is a key factor in preserving the value of the motorcycle, protecting its surface finish and checking for damages, wear and leakage of corrosive fluids.

CAUTION
Before washing the vehicle, stop up the exhaust pipes and protect the electrical parts.

WARNING
Do not wash your motorcycle soon afterwards riding. Attend a few minutes to allow the engine and the exhaust pipes to thoroughly cool.



CAUTION: **Never use washing systems involving steam or high pressure water jets. These systems could cause water infiltration and damage the internal parts of your motorcycle.**

INFORMATION: **Spilling detergent can cause environmental pollution. Therefore, you should clean your motorcycle in an area equipped for collection and disposal of washing fluids.**

Wash the motorcycle with water, a mild detergent and a sponge. Wipe the vehicle with a soft cloth. Use an air jet to dry difficult-to-reach areas.



CAUTION

- **Avoid using clothes or sponges that have been in contact with strong or abrasive detergents, solvents, alcohol or gasoline.**
- **To avoid irreparable damage to the bodywork parts, never use alkaline or strongly acid detergents, petrol, brake fluid or other solvents. Clean the fairing only with a soft cloth, warm water and a neutral detergent.**
- **If you have doubts about the chemical composition of the detergent, test its effect by applying it on a little area of the bodywork before using it on the whole motorcycle.**

After riding on roads treated with corrosive substances (salt), wash the vehicle as soon as possible with cold water. Do not use hot water as it enhances the corrosive action.

In order to preserve the integrity and the aesthetical appearance of the fuel tank cap belts, it is recommended to apply specific leather grease on the above parts at least once a year.



WARNING: Avoid smearing brakes or tyres with oil or wax. If necessary, clean the brake discs with a brake disc detergent or with acetone, and wash the tyres with warm water and a neutral detergent.



WARNING: The presence of water on the brakes can lead to a decrease of the braking effectiveness with subsequent risk of accidents. After completing the washing, run the engine for a few minutes and start off at reduced speed. Carefully apply the brakes a few times so as to dry the brake pads and discs.



WARNING: The drive chain must be correctly lubricated after washing the motorcycle, following the instructions provided at § 6.10. of this manual.

6.16 PROLONGED INACTIVITY

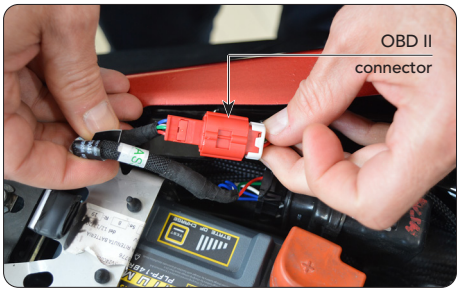
If the motorcycle is to remain unused for a long time, it is advisable to carry out the following operations:

	Empty the fuel tank.
	Remove the spark plug caps and the spark plugs. Pour a teaspoonful of engine oil in every spark plug hole, then place back the spark plugs and the corresponding caps. Make the engine run idle for a few times.
	Check that the charge level is not low and recharge the battery if necessary.
	Lubricate all control cables and the joints of all pedals and levers.
	Clean the motorcycle (§6.15.).
	In order to ensure integrity and performance of the tyres, park your motorcycle in a fresh, dry and dark place, with a temperature relatively constant and lower than 25° C. Avoid direct contact of the tyres with heating pipes or radiators, and prolonged contact with oil or gasoline. Avoid parking with the tyres near to electrical motors or devices capable to produce sparks or electric discharge. During the period of inactivity, place your motorcycle on the rear stand.
	Cover the vehicle with an adequate canvas cover.

When the motorcycle is first put back into service, remember to carry out a comprehensive check and, if necessary, to have the vehicle serviced (§6.1.).

7.1 OBD II CONNECTOR POSITION

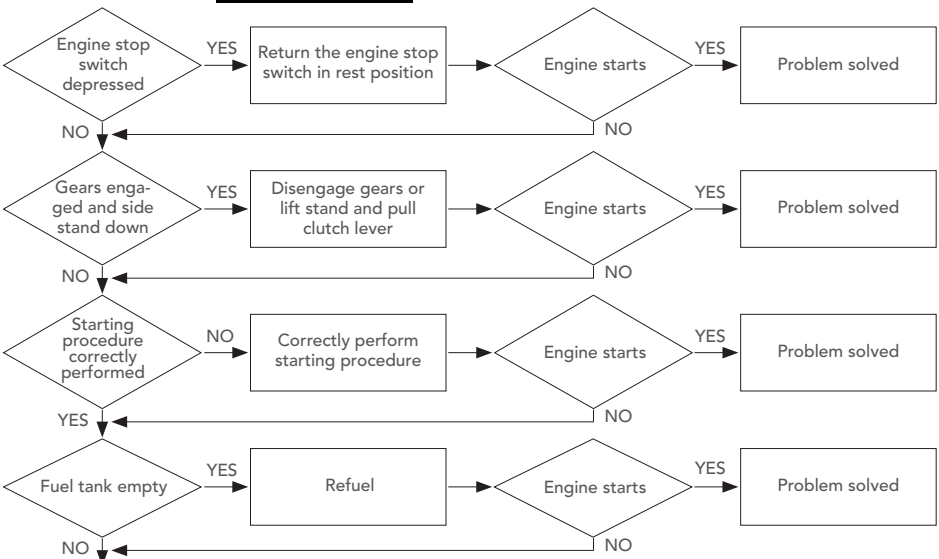
The OBD II connector is placed on the side of the battery. To access the connector, it is necessary to remove the passenger seat and the driver's saddle as described in paragraphs §4.6. and §4.7.



In order to ensure the hardware connection, it is necessary to remove the closing cap and to connect the appropriate interface cable (to be ordered through MV Agusta Spare Parts Service) to the connector.

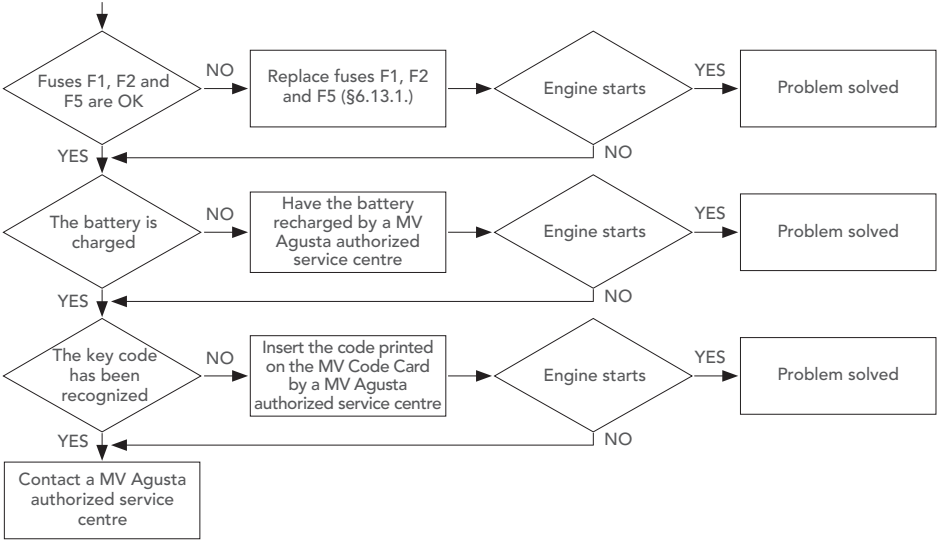


7.2 ENGINE PROBLEMS: ENGINE DOES NOT START

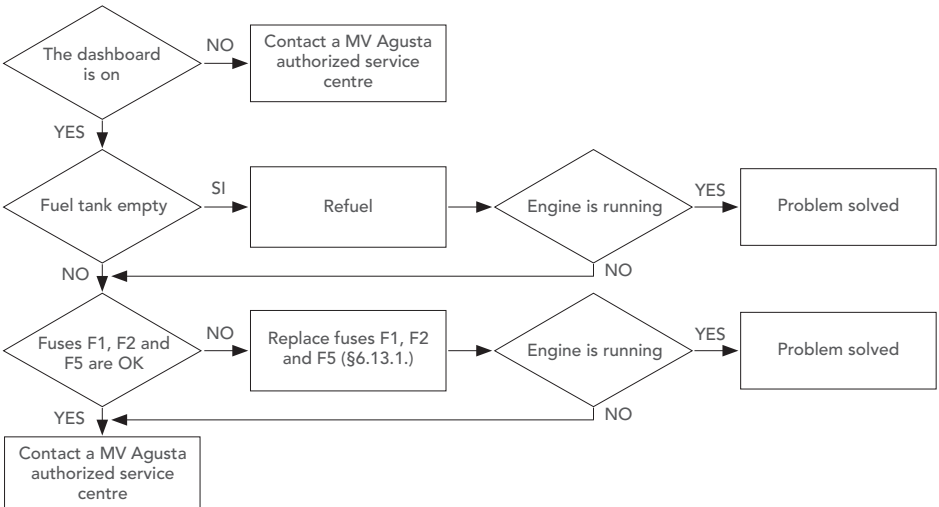


continued on next page

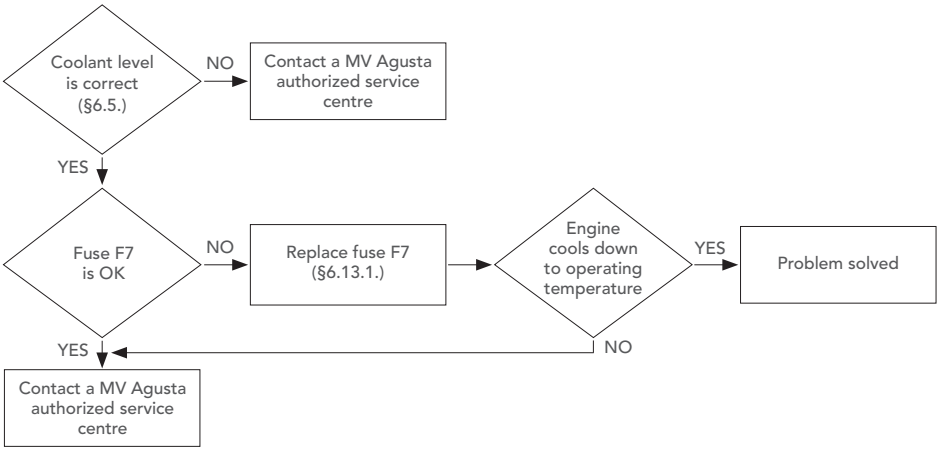
continued from previous page



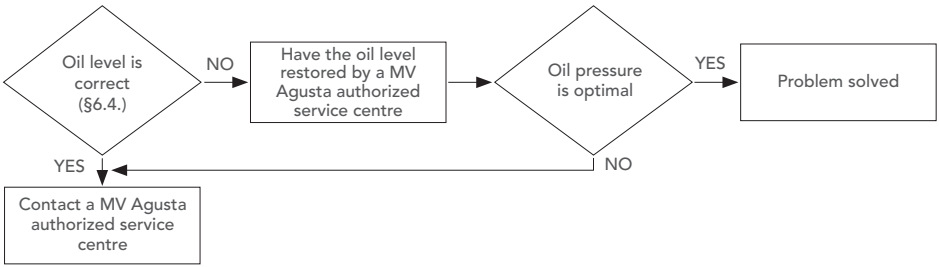
ENGINE SHUTS OFF DURING RIDING



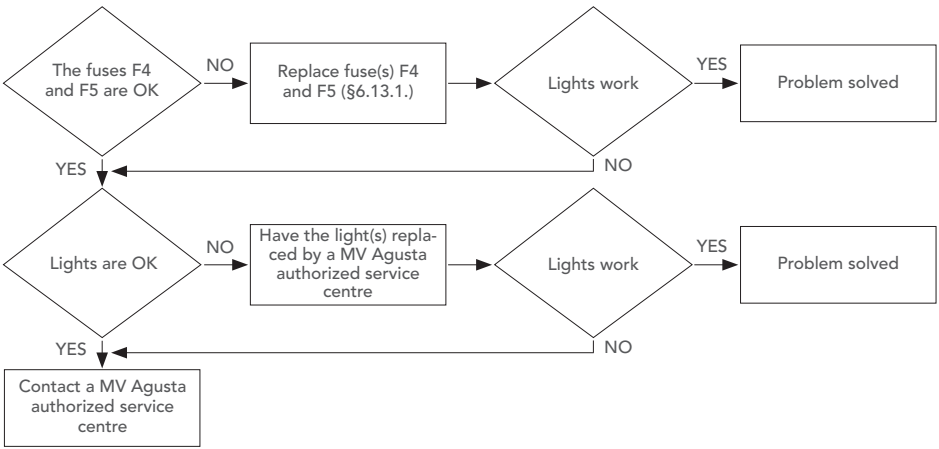
ENGINE OVERHEATS



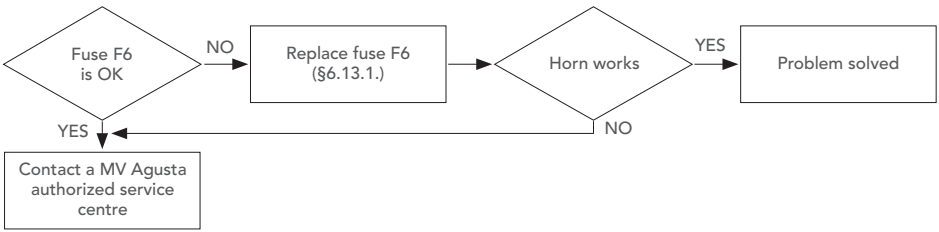
OIL PRESSURE IS TOO LOW (Engine oil pressure warning light is on with the engine running)



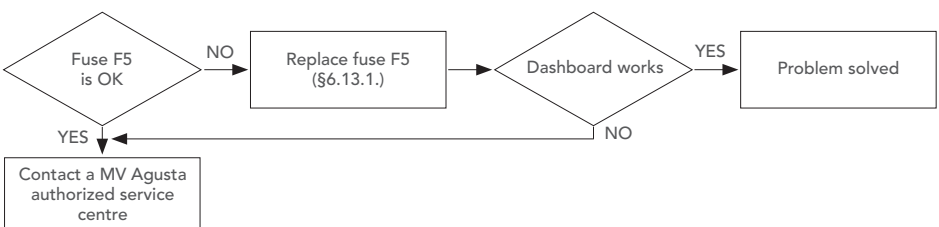
7.3 ELECTRICAL EQUIPMENT PROBLEMS: LIGHTS DO NOT WORK



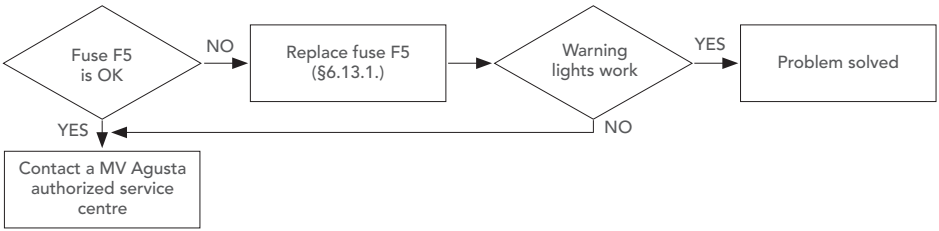
HORN DOES NOT WORK



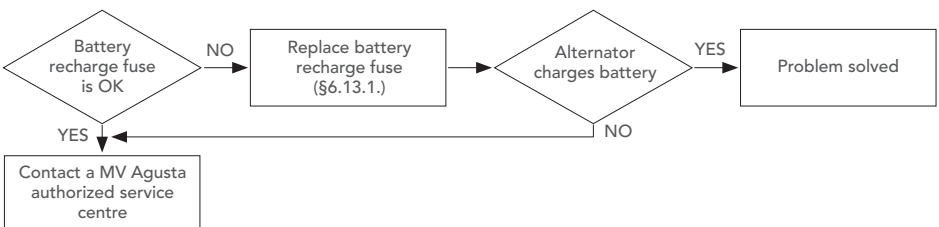
DASHBOARD DOES NOT WORK



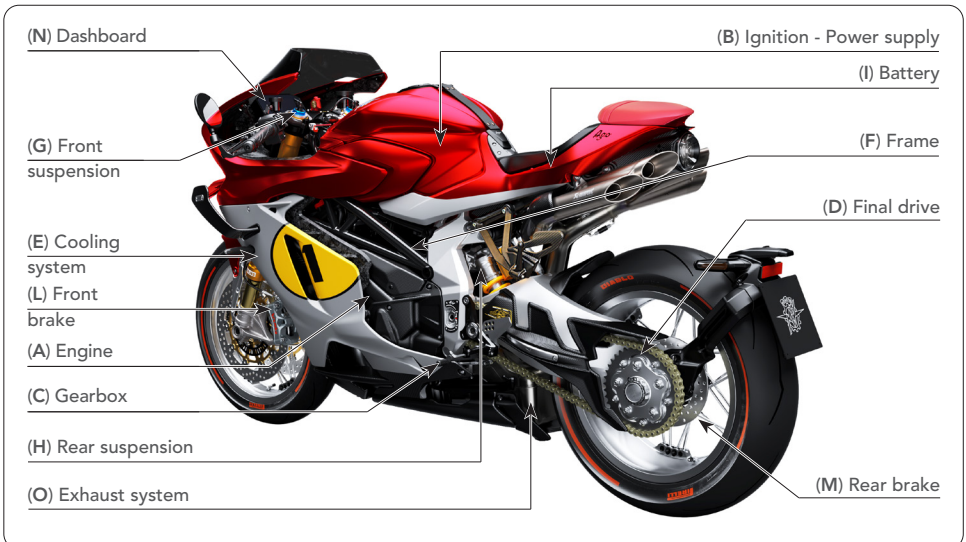
DASHBOARD WARNING LIGHTS DO NOT WORK



ALTERNATOR DOES NOT CHARGE BATTERY



8.1 MOTORCYCLE OVERVIEW



A - **Engine:** four-stroke, inline four-cylinder. Double-overhead camshaft valve train with radial valves. Wet sump lubrication.

B - **Ignition - Power supply:** integrated ignition-injection system. Inductive-discharge electronic ignition. "Multipoint" electronic injection.

C - **Gearbox:** removable, six-speed, with constant-mesh gears.

D - **Final drive:** consisting of drive sprocket, rear sprocket and chain.

E - **Cooling system:** with separate liquid and oil radiators.

F - **Frame:** tubular steel trellis with aluminium side plates.

G - **Front suspension:** upside-down hydraulic fork with electronic adjusting system.

H - **Rear suspension:** progressive, with single-sided swingarm and single shock absorber with electronic adjusting system.

I - **Battery:** Lithium-Iron-Phosphates type, sealed and maintenance-free.

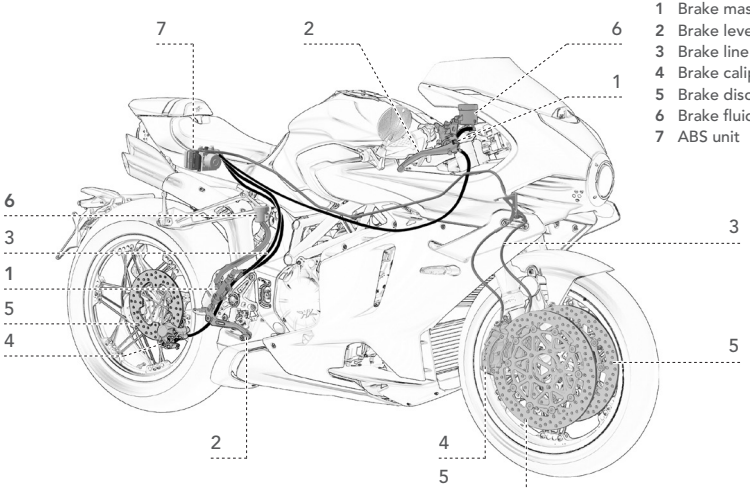
L - **Front brake:** dual semi-floating disc with four-piston calipers.

M - **Rear brake:** single disc with two-piston caliper.

N - **Dashboard:** with warning lights and digital instruments.

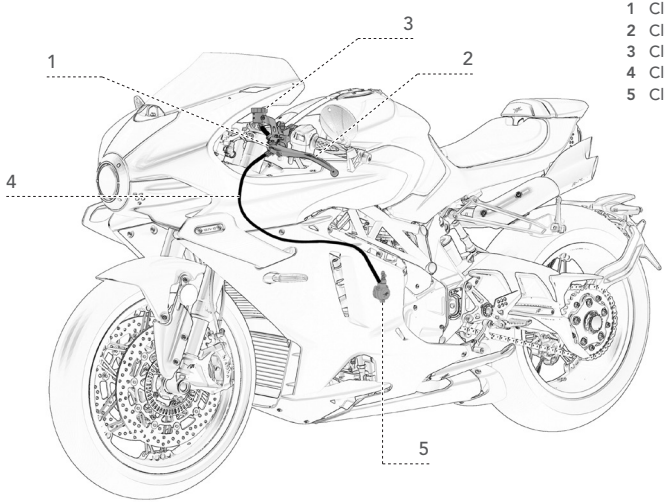
O - **Exhaust system:** equipped with catalytic converter for exhaust emission reduction.

8.1.1 Braking system (ABS)



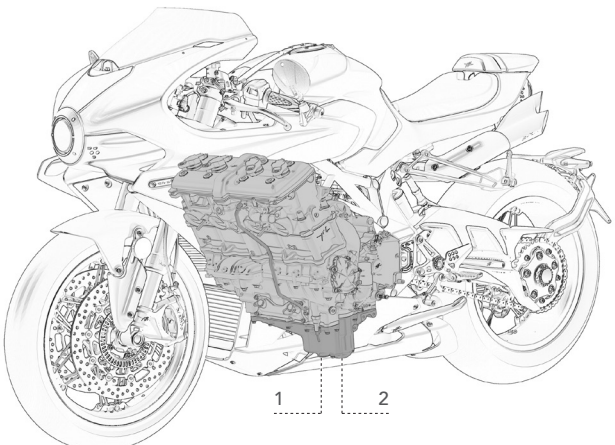
1 Brake master cylinder
2 Brake lever
3 Brake line
4 Brake caliper
5 Brake disc
6 Brake fluid reservoir
7 ABS unit

8.1.2 Clutch circuit



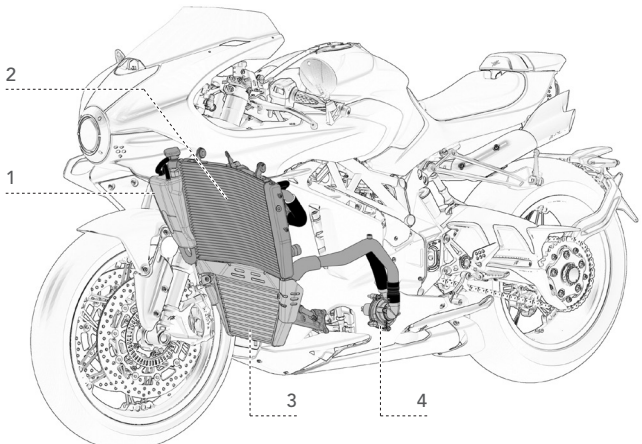
1 Clutch master cylinder
2 Clutch lever
3 Clutch fluid reservoir
4 Clutch line
5 Clutch cylinder assembly

8.1.3 Engine lubrication



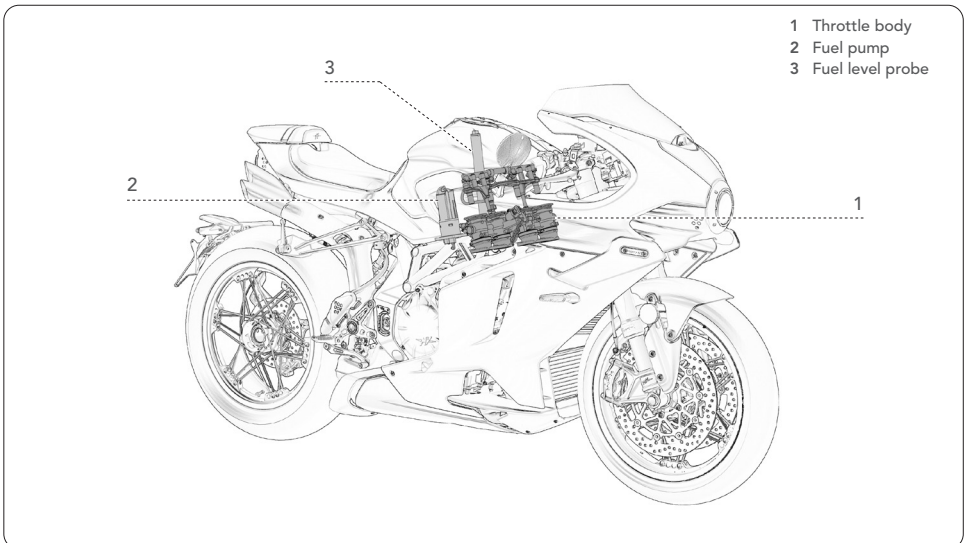
1 Oil sump
2 Oil filter

8.1.4 Coolant circuit



1 Expansion tank
2 Upper radiator
3 Lower radiator
4 Coolant pump

8.1.5 Fuel system





8.2 SPECIFICATIONS

Description	SUPERVELOCE 1000 AGO
SPECIFICATIONS	
Wheelbase (mm) (*)	1415
Overall length (mm) (*)	2080
Max. width (mm)	895
Seat height (mm) (*)	845
Min. ground clearance (mm) (*)	108
Trail (mm) (*)	97

* : The indicated values must not be intended as binding informations. They can change according to the vehicle setup.

Description	SUPERVELOCE 1000 AGO
Mass in running order (without fuel) (kg)	209
Fuel tank capacity (l) (*)	16
Reserve fuel (l) (*)	4
Oil in crankcase (l)	3.5
ENGINE	
Type	Four-cylinder, four-stroke, 16 valves with countershaft
Bore (mm)	79
Stroke (mm)	50.9
Total displacement (cm^3)	998
Compression ratio	13.4 : 1
Environmental standard	Euro 5
CO_2 emissions (g/km)	158
Fuel consumption (l/100 km)	6.8
Starting	Electric starter
Cooling system	Cooling with separate liquid and oil radiators
Crankcase and covers	Die-cast
Head and cylinders	Chill-cast
Valves	Single-metal (Titanium)

* : The indicated data must not be intended as binding informations. They can change according to the environmental temperature, the engine temperature and the evaporation point of the gasoline.

Description	SUPERVELOCE 1000 AGO
VALVE TRAIN	
Type	Double-overhead camshaft, radial valves
LUBRICATION	
Type	Wet sump
IGNITION - POWER SUPPLY	
Type	Integrated ignition-injection system MVICS 2.1 with eight injectors. Engine control unit Eldor Nemo 2.1; throttle body full drive by wire Mikuni; pencil-coils with ion-sensing technology, control of detonation and misfire. Torque control with 4 mappings; Traction Control with 8 levels + OFF and wheelie control with inertial platform.
Spark plugs	NGK CR9 EIB-9
Spark gap (mm)	0.8 ÷ 0.9
CLUTCH	
Type	Multiple-disc in oil bath with mechanical anti-surging device
PRIMARY DRIVE	
Number of teeth on crankshaft gear	Z = 48
Number of teeth on clutch gear	Z = 82
Transmission ratio	1.708
SECONDARY DRIVE	
Number of teeth on front sprocket	Z = 15
Number of teeth on rear sprocket	Z = 41
Transmission ratio	2.733

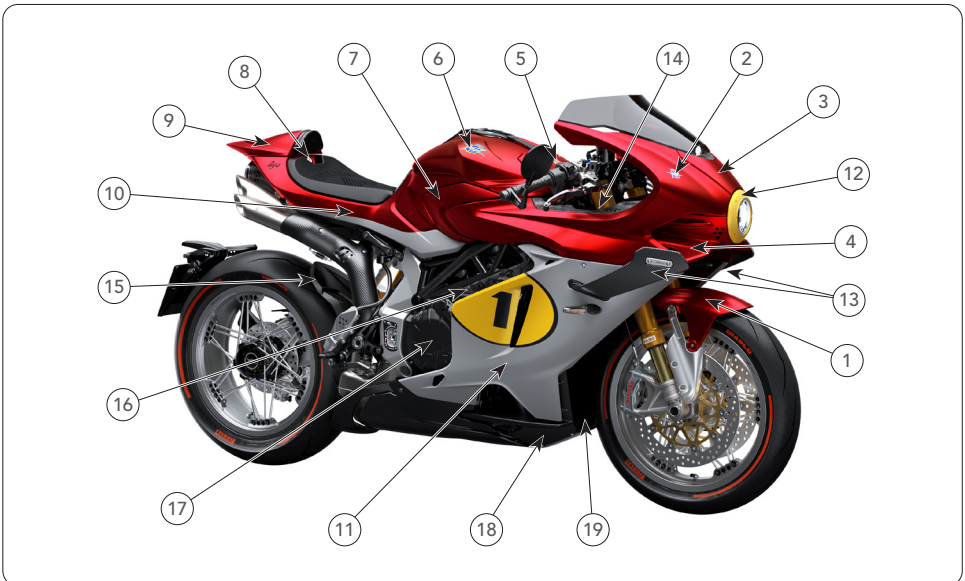
Description	SUPERVELOCE 1000 AGO
TRANSMISSION	
Type	Removable, six-speed gearbox with constant-mesh gears
Gear ratio (overall ratios)	
First gear	2.643 (12.337)
Second gear	2.062 (9.625)
Third gear	1.722 (8.038)
Fourth gear	1.500 (7.002)
Fifth gear	1.318 (6.152)
Sixth gear	1.190 (5.555)
FRAME	
Type	High resistance steel tubular trellis
Swingarm pivot plates	Aluminium alloy
FRONT SUSPENSION	
Type	ÖHLINS Nix EC "Upside down" telescopic hydraulic fork with electronic adjustment of rebound and compression damping. Manual adjustment of spring preload.
Rod diameter (mm)	43
Travel on leg axis (mm)	120
REAR SUSPENSION	
Type	Progressive, ÖHLINS TTX single shock absorber with electronic adjustment of rebound and compression damping. Manual adjustment of spring preload.
Swingarm	Aluminium alloy
Wheel travel (mm)	120

Description	SUPERVELOCE 1000 AGO
FRONT BRAKE	
Type	Double steel floating disc with steel braking band
Disc diameter (mm)	320
Disc flange	Aluminium
Master cylinder	Radial-type
Calipers, piston diameter (mm)	Radial-type, single-piece with 4 pistons (Ø 30)
REAR BRAKE	
Type	Single steel disc
Disc diameter (mm)	220
Caliper, piston diameter (mm)	2-piston (Ø 34)
ABS system	Continental MK 100 with RLM (Rear Wheel Lift-Up Mitigation) and with cornering function
FRONT WHEEL RIM	
Material	Spoke wheel – Aluminium alloy
Dimensions	3.50" x 17"
REAR WHEEL RIM	
Material	Spoke wheel – Aluminium alloy
Dimensions	6.00" x 17"
TYRES	
Front	120/70-ZR 17 (58 W)
Rear	200/55-ZR17 (78 W)
Brand and type	PIRELLI - Diablo Supercorsa V4

Description	SUPERVELOCE 1000 AGO
Inflating pressure (*)	
Front	2.3 bar (33 psi)
Rear	2.3 bar (33 psi)
ELECTRICAL EQUIPMENT	
Equipment voltage	12V
Headlight	LED
Turn indicators	LED
Tail light	LED
Battery	12 V - 4 Ah - $LiFePO_4$ (Lithium-Iron-Phosphates)
Alternator	350 W at 5000 rpm
BODYWORK	
Front side fairings	Carbon fiber
Side fairings	Carbon fiber
Fuel tank side panels	Carbon fiber
Rear side fairings	Carbon fiber
Tail cover	Carbon fiber
Fuel tank	Thermoplastic material
Airbox cover	Carbon fiber
Airbox	Thermoplastic material

* : If you use tyres of a brand different from the ones recommended, refer to the inflating pressure values marked by the manufacturer on the tyre sidewall.

Description	SUPERVELOCE 1000 AGO
Front central panel	Carbon fiber
Aerodynamic appendices	Carbon fiber
Front mudguard	Carbon fiber
Front mudguard supports	Aluminium
Rear mudguard	Carbon fiber
Undercowl	Aluminium
Radiator side guards	Carbon fiber
Lower central cover	Carbon fiber
Front brake discs covers	Carbon fiber
Engine covers	Carbon fiber
Chain guards	Carbon fiber
Exhaust pipe guards	Carbon fiber
Heat shield	Carbon fiber
License-plate holder	Thermoplastic material


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

8.3 BODYWORK PARTS REFERENCE COLOURS

Bodywork parts are painted with the following reference colours:

1 - **Front mudguard;**
2 - **Front side fairings;**
3 - **Front central panel;**
4 - **Front lower central cover;**
5 - **Airbox cover;**
6 - **Fuel tank;**
7 - **Fuel tank side panels;**
8 - **Rear side fairings closing part;**
9 - **Tail cover:**

Matt Fire Red (Code Lechler L2902242 + 2K Matt Clearcoat 09890)

10 - **Rear side fairings:**

Matt Fire Red (Code Lechler L2902242 + 2K Matt Clearcoat 09890) + Matt Magnum Silver (Code Palinal 928.646A + Lechler 2K Matt Clearcoat 09890)

11 - **Side fairings:**

Matt Magnum Silver (Code Palinal 928.646A + Lechler 2K Matt Clearcoat 09890) + Matt Agostini Yellow (Code Lechler RAL 1023 + 2K Matt Clearcoat 09890)

12 - **Headlight ring nut:**

Matt Agostini Yellow (Code Lechler RAL 1023 + 2K Matt Clearcoat 09890)

13 - **Side appendices;**
14 - **Intake ducts covers;**
15 - **Rear mudguard;**
16 - **Side fairings air scoops;**
17 - **Engine covers;**
18 - **Radiator side guards;**
19 - **Lower central cover:**

Matt Transparent (Code Berlac BaseCoat 2C Clearcoat)


5
2
1
6
8
3
4
7

8.4 FRAME PARTS REFERENCE COLOURS

Frame parts are painted with the following reference colours:

1 - Frame;
2 - Rear frame:

Gloss Black
(Code PPG PCU90207)

3 - Side frame plates;
4 - Rear swingarm:

Matt F4 Ago Silver
(Code Palinal 928XV025)

5 - Lower triple clamp:

Quasar Black
(Code Inver 61196 - Poliest/HD TGIC Free)

6 - Front wheel rim;
7 - Rear wheel rim:

SV Ago Wheel Silver
(Code Arsonsisi Silver Met 170)

8 - Engine:

Matt Black
(Code Pulverit 3500/0085)

Information

MV Agusta is committed to a policy of constant improvement; therefore, you may find slight differences between the information provided in this document and the vehicle you purchased. MV Agusta motorcycles are exported in several countries, in which different rules and regulations (concerning both the Highway Code and the homologation procedures) are in force. Relying on your understanding, MV Agusta deems it necessary to reserve the right to change its products and the related documentation at any time and without notice.

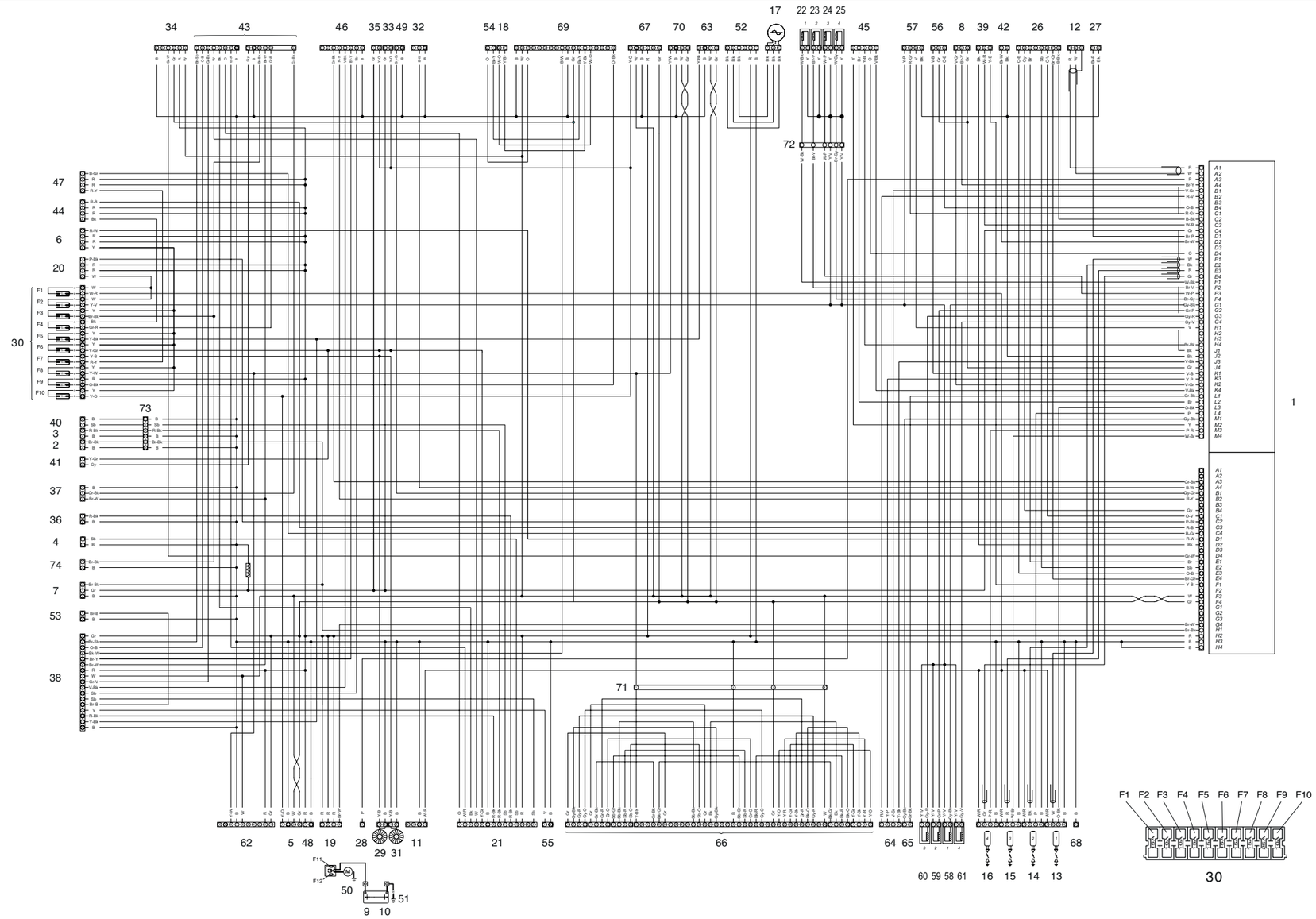
We suggest to often visit the Internet site **www.mvagusta.com** in order to obtain informations and updates about the MV Agusta products and the related documentation.

Respect and defend natural environment

Everything we do affects the whole planet as well as its resources.
MV Agusta, in order to protect the interests of the community, awakens the Customers and the Technical Assistance operators to use the vehicle and dispose of its replaced parts respecting the laws in force concerning environmental pollution and waste disposal and recycling.

© 2025
This document may not, in whole or in part, be reproduced without prior consent, in writing, from MV Agusta

Part no. 8A00D5526
Edition no. 1 - June 2025



Parts list	
Ref.	Description
1	Power unit
2	Plate light
3	Rear RH turn indicator
4	Front LH turn indicator
5	Diagnosis connector
6	Main relay
7	Brake light
8	Gear sensor
9-10	Battery
11	Fuel pump
12	Engine rpm sensor
13-14 15-16	Coils
17	Alternator
18	Rear speed sensor
19	Solenoid starter
20	General feed relay
21	Intermittence

Parts list	
Ref.	Description
22-23 24-25	Upper injectors
26	Throttle potentiometer
27	Water temperature sensor
28	Oil switch
29	Heater fan
30	Fuses
31	Heater fan
32	Side stand switch
33	Rear brake switch
34	Key switch
35	Safety and front brake switch
36	Front RH turn indicator
37	Headlight
38	Dashboard
39	Air pressure sensor
40	Rear LH turn indicator
41	Horn

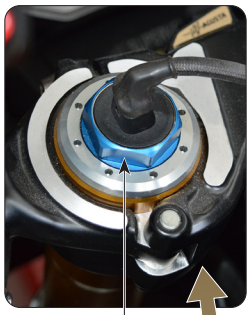
Parts list	
Ref.	Description
42	Air temperature sensor for airbox
43	LH switches
44	Light relay
45	Exhaust valve actuator
46	RH switches
47	Heater fan relay
48	Battery recharge
49	Clutch switch
50	Starter
51	Engine ground
52	Voltage regulator
53	Air temperature sensor for dashboard
54	Front speed sensor
55	Fuel level probe
56	Quick Shift
57	Lambda sensor

Parts list	
Ref.	Description
58-59 60-61	Lower injectors
62	TPMS connection
63	Tilt sensor
64	DBW (Drive by Wire) position
65	DBW (Drive by Wire) actuator
66	Suspension management unit
67	OBD connection
68	Frame ground
69	ABS unit
70	GPS unit
71	Electronic suspension sectioning
72	Upper injectors sectioning
73	Rear lights sectioning
74	Front position light

Wire colors list	
Letter(s)	Color
R	Red
Y	Yellow
B	Blue
Gr	Green
W	White
Bk	Black
P	Pink
V	Violet
Sb	Sky blue
Gy	Grey
O	Orange
Br	Brown

In combined colors, background and marking colors have been pointed out. E.g.: Br/Bk.

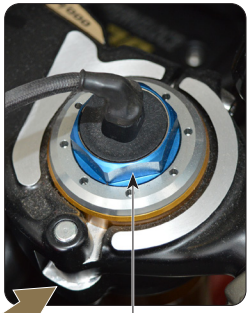
Fuses list		
Ref.	Amperage (A)	Application
F1	15	Fuel pump - Coils
F2	10	Lambda sensor - Injectors
F3	10	Position lights - License plate light
F4	15	Headlight
F5	15	Solenoid starter - Speed sensors - Dashboard - TPMS - Tilt sensor
F6	15	Intermittence - Horn - Stop light - Diagnostics
F7	15	Electric fans
F8	15	ABS unit
F9	25	ABS unit
F10	10	ABS unit
F11	30	Battery recharge
F12	30	Battery recharge supply



• Precarico molla
• Spring preload
• Précharge du ressort
• Federvorspannung
• Precarga muelles



• Regolazione elettronica sospensioni
• Electronic suspension adjustment
• Réglage électronique des suspensions
• Elektronische Einstellung der Federungen
• Regulación electrónica de las suspensiones



• Precarico molla
• Spring preload
• Précharge du ressort
• Federvorspannung
• Precarga muelles



(*) : La regolazione di questo parametro può essere effettuata solo tramite le funzioni digitali del cruscotto (vedi Owner's Manual). - *The adjustment of this parameter can be performed only by operating the digital functions of the dashboard (see Owner's Manual).* - Le réglage de ce paramètre peut être effectuée que par l'utilisation des fonctions digitales du tableau de bord (voir Owner's Manual). - *Die Einstellung dieser Parameter kann nur durch Betätigung der digitalen Funktionen des Armaturenbretts durchgeführt werden (siehe Owner's Manual).* - El ajuste de este parámetro se puede realizar sólo utilizando las funciones digitales del tablero de instrumentos (ver Owner's Manual).

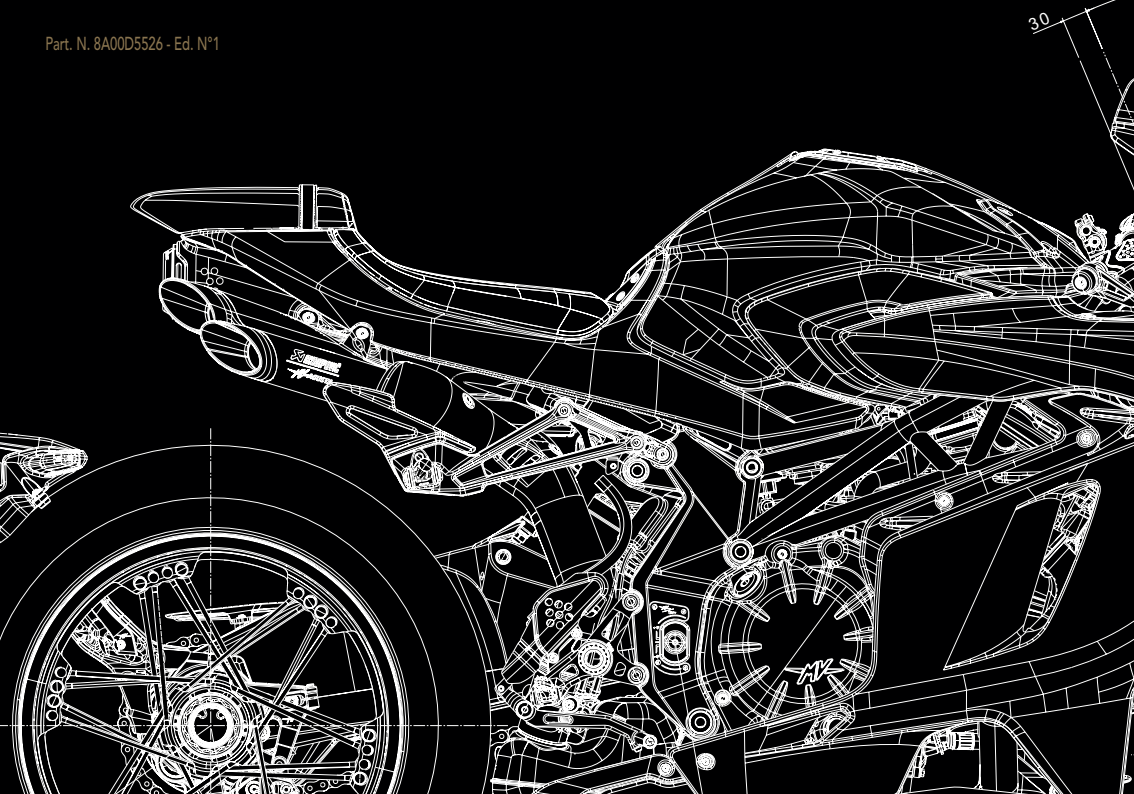
(**) : I valori di taratura riportati per questa configurazione possono essere applicati senza variazioni sia nella guida con solo pilota che nella guida con passeggero. - *The values shown for this configuration can be applied without variations both in the driving with pilot only and in the driving with passenger.* - Les valeurs indiquées pour cette configuration peuvent être appliquées sans variations tant dans la conduite avec pilote que dans la conduite avec passager. - *Die für diese Konfiguration angezeigten Werte können ohne Abweichungen sowohl beim Fahren mit dem Piloten als auch beim Fahren mit dem Beifahrer angewendet werden.* - Los valores mostrados para esta configuración se pueden aplicar sin variaciones tanto en la conducción con piloto como en la conducción con pasajero.

MV SUPERVELOCE 1000 SERIE ORO

SUPERVELOCE 1000 ORO MY24 - AGO MY25

Tipo di assetto - *Type of geometry* - Type d'assiette - *Einstellungsart* - Tipo de equilibrado

	Su strada ** *On road ** Sur route ** Auf Straße ** En la carretera **	Con pioggia ** *With rain ** Avec pluie ** Mit Regen ** Con lluvia **	In pista *On race circuit* En circuit de course *Auf Rennstrecken* En circuito
Sospensione anteriore ***Front suspension*** **Suspension avant** ***Vordere Federung*** **Suspensión delantera**			
Precarico molla *Spring preload* Précharge du ressort *Federvorspannung* Precarga muelle	7 giri *turns* tours *Drehzahl* revoluciones	7 giri *turns* tours *Drehzahl* revoluciones	7 giri *turns* tours *Drehzahl* revoluciones
Freno in compressione * *Compression damping * Frein en compression * *Kompressionsbremse** Freno en compresión *	20 scatti *clicks* emboîtements *Rasten* disparos	22 scatti *clicks* emboîtements *Rasten* disparos	10 scatti *clicks* emboîtements *Rasten* disparos
Freno in estensione * *Rebound damping * Frein en détente * *Ausdehnungsbremse** Freno en extensión *	18 scatti *clicks* emboîtements *Rasten* disparos	22 scatti *clicks* emboîtements *Rasten* disparos	13 scatti *clicks* emboîtements *Rasten* disparos
Ammortizzatore di sterzo* ***Steering vibration damper**** **Amortisseur de direction*** ***Steuerungsdämpfer**** **Amortiguador de dirección***	Su strada ** *On road ** Sur route ** *Auf Straße ** En la carretera **	Con pioggia ** *With rain ** Avec pluie ** *Mit Regen ** Con lluvia **	In pista *On race circuit* En circuit de course *Auf Rennstrecken* En circuito
	AUTO	AUTO	AUTO
Sospensione posteriore ***Rear suspension*** **Suspension arrière** ***Hintere Federung*** **Suspensión trasera**	Su strada ** *On road ** Sur route ** *Auf Straße ** En la carretera **	Con pioggia ** *With rain ** Avec pluie ** *Mit Regen ** Con lluvia **	In pista *On race circuit* En circuit de course *Auf Rennstrecken* En circuito
Freno in compressione * *Compression damping * Frein en compression * *Kompressionsbremse** Freno en compresión *	22 scatti *clicks* emboîtements *Rasten* disparos	24 scatti *clicks* emboîtements *Rasten* disparos	17 scatti *clicks* emboîtements *Rasten* disparos
Freno in estensione * *Rebound damping * Frein en détente * *Ausdehnungsbremse** Freno en extensión *	18 scatti *clicks* emboîtements *Rasten* disparos	22 scatti *clicks* emboîtements *Rasten* disparos	15 scatti *clicks* emboîtements *Rasten* disparos


30