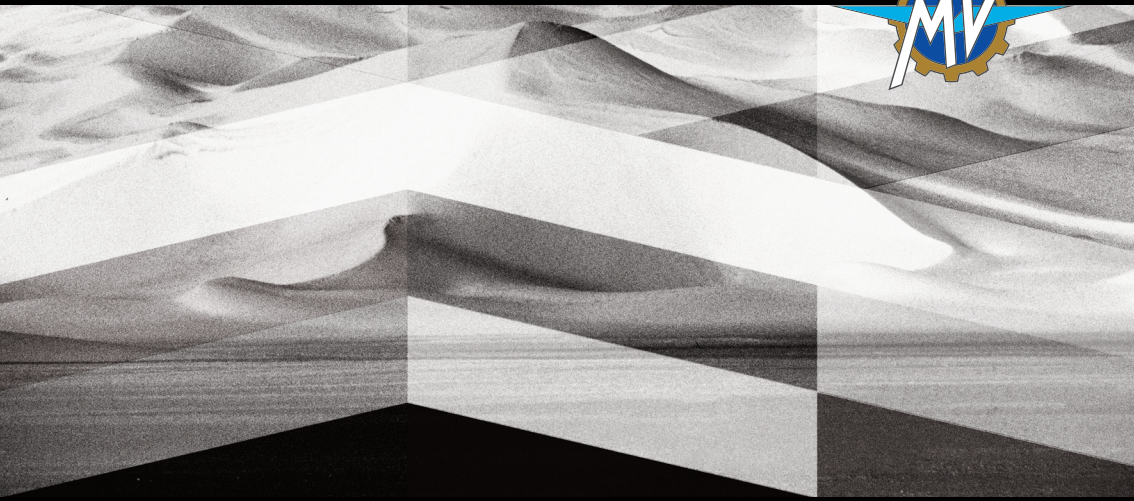


MV AGUSTA LXP ORIOLI
MV AGUSTA ENDURO VELOCE

OWNER'S MANUAL

EU – EN

LXP

Edi Orioli

MV AGUSTA



Owner's manual

EU – English Version

Dear Customer,

We wish to thank you for your preference and congratulate you on purchasing your new MV Agusta.
MV Agusta, thanks to the passionate effort of its technicians, offers to its customers a motorcycle with a new aesthetic design combined with a refined framework: these are the elements which have distinguished every vehicle created by MV Agusta throughout its glorious history.
The result of this effort is an exclusive motorcycle with functional and aesthetic characteristics that place it above the finest motorcycles currently available on the market, making it an exclusive and sought-after item.
In fact, the technologies and solutions applied give to the LXP Orioli and to the Enduro Veloce unique characteristics common to all the MV Agusta models, strenghtening a design phylosophy that involves continuous research, technological innovation and love for detail. This way, MV Agusta gives to all the bikers who freely live their passion the chance to possess a unique object, which surely represents a strong reference worldwide.

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

CONTENTS

chap.	Subjects covered	page
1	**GENERAL INFORMATION**	**6**
1.1.	Purpose of the manual	6
1.2.	Symbols	7
1.3.	Delivery Certificate	8
1.4.	Identification data	9
2	**SAFETY INFORMATION**	**12**
2.1.	Vehicle warranty	12
2.2.	Scheduled maintenance	13
2.3.	Vehicle load	15
2.4.	Standard tyres	16
2.5.	M+S (Mud+Snow) tyres	16
3	**CONTROLS AND INSTRUMENTS**	**17**
3.1.	Location of controls and instruments	17
3.2.	Sidestand	18
3.3.	Handlebar controls, left side	19
3.4.	Handlebar controls, right side	21
3.5.	Ignition and steering lock button	24
3.6.	Gear lever	26
4	**OPERATION**	**27**
4.1.	Using the motorcycle	27
4.2.	Running-in	28
4.3.	Instruments and warning lights	30

chap.	Subjects covered	page
4.3.1.	Warning lights	30
4.3.2.	General display	31
4.3.3.	Starting the engine	33
4.3.4.	Selecting the display functions	37
4.3.4.1.	Odometer and Trip counters	38
4.3.4.2.	Displayed info (General information)	39
4.3.4.3.	“Inertial” Mode	40
4.3.4.4.	Management of the electronic controls of the vehicle	41
	– Traction Control	41
	– Front Lift Control	46
	– Engine Brake	47
	– Anti-lock Braking System (ABS)	48
4.3.4.5.	Trip record (GPS data)	50
4.3.4.6.	Heated grips	52
4.3.4.7.	Intercom devices	53
4.3.4.8.	Music (Music player)	56
4.3.4.9.	Contacts (Phonebook)	60
4.3.4.10.	Navigation (Satellite navigation)	65
4.3.5.	SETTING MENU (General settings)	67
4.3.5.1.	User profiles (Custom settings)	68
4.3.5.2.	Motorcycle settings	70

CONTENTS

chap.	Subjects covered	page
4.3.5.3.	Display settings	78
4.3.5.4.	Info, update and reset	95
4.3.5.5.	Service (Maintenance interval)	101
4.3.5.6.	Connectivity (Devices management)	102
4.3.6.	“CRUISE CONTROL” Mode	114
4.3.7.	“SPEED LIMITER” Mode	115
4.3.8.	“LAUNCH CONTROL” Mode	116
4.3.9.	DRL / Fog lights activation	119
4.3.10.	Installing the “MVRide” App	120
4.3.11.	Warning/malfunction alerts	123
4.4.	Refuelling	130
4.5.	Passenger seat and rider seat	132
4.5.1.	Removing the passenger seat	132
4.5.2.	Removing the rider seat	133
4.6.	USB sockets	134
4.7.	Parking the motorcycle	135
5	**ADJUSTMENTS**	**137**
5.1.	List of adjustments	137
5.2.	Table of adjustments	139
5.3.	Adjusting the front brake lever	140
5.4.	Adjusting the clutch lever	140

chap.	Subjects covered	page
5.5.	Adjusting the rearview mirrors	141
5.6.	Adjusting the front suspension	142
5.6.1.	Spring preload (front suspension)	142
5.6.2.	Rebound damper (front suspension)	143
5.6.3.	Compression damper (front suspension)	143
5.7.	Adjusting the rear suspension	144
5.7.1.	Spring preload (rear suspension)	145
5.7.2.	Rebound damper (rear suspension)	145
5.7.3.	High speed compression damper (rear suspension)	146
5.7.4.	Low speed compression damper (rear suspension)	146
5.8.	Headlight adjustment	147
6	**MAINTENANCE**	**149**
6.1.	Tables of scheduled maintenance and checks	149
6.2.	Tools and accessories supplied	158
6.3.	Table of lubricants and fluids	159
6.4.	Checking the engine oil level	160
6.4.1.	Topping up the engine oil level	161
6.5.	Checking the coolant level	163

CONTENTS

chap.	Subjects covered	page
6.5.1.	Topping up the coolant level	164
6.6.	Checking the wear of the brake pads	166
6.7.	Checking the brake fluid level	167
6.8.	Clutch control fluid - Level check	169
6.9.	Checking and replacing the tyres	170
6.10.	Checking and lubricating the drive chain	175
6.11.	Checking the idle speed	179
6.12.	Evaporative emission control system	180
6.13.	Replacing parts - General information	181
6.13.1.	Replacing the fuses	181
6.14.	Battery	184
6.15.	Cleaning the motorcycle	186
6.16.	Prolonged inactivity	188
7	**TROUBLESHOOTING FLOW CHART**	**189**
7.1.	Diagnostic connector position	189
7.2.	Engine problems	190
7.3.	Electrical equipment problems	195
8	**TECHNICAL INFORMATION**	**197**
8.1.	Motorcycle overview	197
8.1.1.	Braking system (ABS)	199
8.1.2.	Engine lubrication	200
8.1.3.	Coolant circuit	201
8.1.4.	Fuel system	202
8.2.	Specifications	203
8.3.	Bodywork parts reference colours (MV Agusta Enduro Veloce)	212
8.4.	Bodywork parts reference colours (MV Agusta LXP Orioli)	214

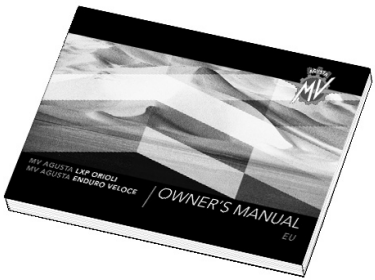
EN 1

1.1. Purpose of the manual

This Owner's Manual contains the necessary information for a correct and safe use of the motorcycle.

The Owner's Manual is supplied in electronic format (.pdf) (downloadable from the Internet site www.mvagusta.com) and it can be printed or viewed on any PC, equipped either with Windows or Mac operative system.

We recommend to carefully read the Owner's Manual before using your motorcycle, and to make sure that anyone who uses the motorcycle had previously made the same.



Copyright
MV AGUSTA
All rights reserved

1.2. 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:



The 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.**

EN 1

1.3. 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.

Service History is recorded online in MV Agusta Dealer.net any time an authorized MV Agusta workshop performs the scheduled vehicle maintenance.

IMPORTANT
Make sure that the pre-sale inspection work has been carried out by an authorized MV Agusta workshop.

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.

The Service History can be printed by any official MV Agusta workshop on the Customer's request for review.



1.4. 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.

We recommend writing down the main numbers in the spaces provided below.

FRAME No.: _____

ENGINE No.: _____

EN 1

■ Motorcycle key identification

An electronic key (with retractable key) is supplied both for enabling ignition and for operating all the locks, plus a passive key for the locks only. Keep the passive key in a safe place.
When placing orders for spare keys, you may be required to provide the key identification number. It is advised to note this number in the following space:

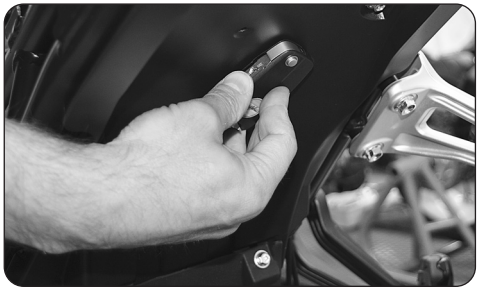
KEY No.: _____

CAUTION
To avoid damaging the electronic key, DO NOT:
- hit or drop the key;
- place heavy objects on the key;
- get water on the key;
- expose the key to high temperatures or direct sunlight;
- expose the key to magnetic fields.



NOTE: Do not subject the key to high intensity radio waves or put it close to electronic devices (e.g. televisions or personal computers) to avoid excessive battery charge consumption.

The electronic key is powered by a 3V button cell battery (CR2032). If the electronic key does not allow activation of the vehicle's electrical circuit, the battery may be flat. Open the compartment on the key and replace the battery.



If it is not possible to replace the battery in the electronic key, it is advisable to temporarily activate the electrical circuit of the vehicle by applying the following procedure:

– Place the electronic key on the underside of the underseat bulkhead, in correspondence with the vehicle antenna (this operation can also be performed with the passive key);

– Press the vehicle start button until the “ON” mode is activated (see §3.5); when the self-diagnostic cycle is complete, it is possible to start the engine.



WARNING

THIS PRODUCT CONTAINS ONE OR MORE BUTTON/COIN CELL BATTERIES.

– If swallowed or placed inside any part of the body, a lithium button battery can cause severe or fatal injuries within 2 hours.

– If swallowed or placed inside any part of the body, a non-lithium button battery can cause serious injuries.

– Keep new and used batteries out of reach of children.

– If you suspect a battery has been swallowed or placed inside any part of the body, seek immediate medical attention. *For Australia only:* contact the Australian Poisons Information Centre on 13-11-26 immediately for 24/7 fast, expert medical advice.

– Dispose of used button/coin batteries immediately. Tape both sides of used button/coin batteries and dispose of them immediately in an outside bin, out of reach of children or recycle them safely.

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 Owner's 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.

After each compulsory maintenance service, Customers can request the currently applicable service checklist to be downloaded from MV Agusta Dealer.net and printed.
Each service is recorded in MV Agusta Dealer.net by the performing authorized workshop.
Individual service intervals and scopes may change in the course of technical developments. The most up-to-date service schedule can always be found on MV Agusta Dealer.net. Your authorized MV Agusta dealer will be glad to advise you.
If the vehicle is sold, the new owner can request the service history to be downloaded from MV Agusta Dealer.net by any authorized MV Agusta workshop.

Due dates for the scheduled maintenance operations

*km (mi) covered**	*1000 (600)*	*Every year*	*7500 (4600)*	*15000 (9300)*	*22500 (13900)*	*30000 (18600)*	*37500 (23300)*	*45000 (27900)*	*52500 (32600)*	*60000 (37200)*	*67500 (41900)*	*75000 (46600)*	*82500 (51200)*	*90000 (55900)*	*97500 (60500)*	*105000 (65200)*
Service coupon	*A*		*B*	*C*	*D*	*E*	*F*	*G*	*H*	*I*	*J*	*K*	*L*	*M*	*N*	*O*

*(*): The mileage coupons can be carried along with the **mandatory** annual coupon*

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:

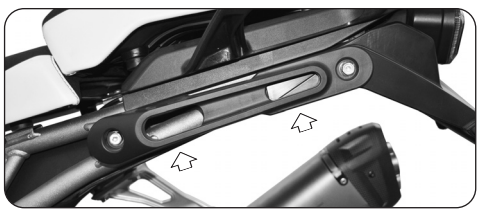
MV Agusta LXP Orioli / Enduro Veloce
Maximum technically admissible mass:
480 kg
Maximum transportable mass:
154 kg

The maximum technically admissible mass represents the sum of the following masses:

- mass of the motorcycle in running order;
- mass of the driver;
- mass of the passenger;
- mass of the luggage and of 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 load value specified for your vehicle.

CAUTION: Do not attach or hang loads, luggage or accessories of any kind to the rear frame trims. They would certainly be subject to damage.



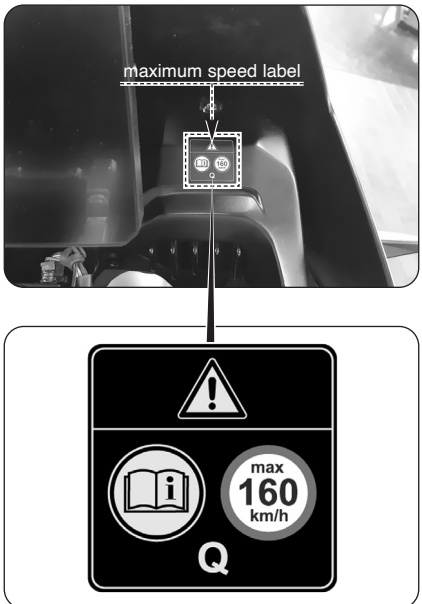
2.4. STANDARD TYRES

If standard tyres are used, it is recommended to use tyres with a speed category equal to or higher than the letter shown in the vehicle registration document.

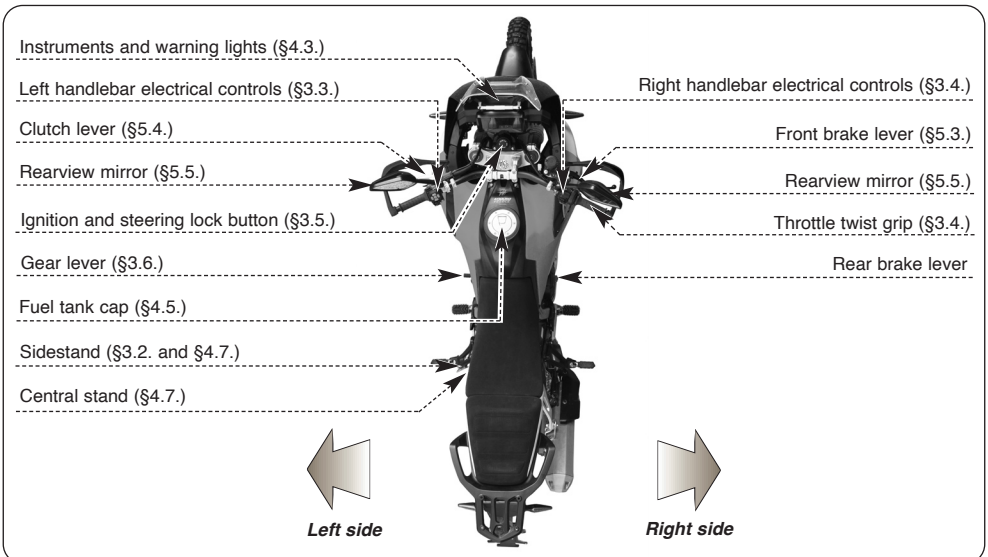
2.5. M+S (Mud+Snow) TYRES

The vehicle is set up for the installation of **M+S** (Mud+Snow) tyres.

WARNING
When M+S tires with speed category "Q" are installed, the maximum allowed speed of the motorcycle is 160 km/h. This prescription is also shown on the warning label applied near the dashboard.



3.1. Location of controls and instruments



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



1. **"▲/▼/◄/►/○" buttons**
   Press to change the dashboard functions (§ 4.3.).
2. **Turn indicator switch**
   Shifting the lever to the left or right switches on the left or right turn indicators. To switch off the indicators, return the lever to the central position.
3. **Horn button**
   Press to operate the warning horn.
4. **Emergency light button**
   Press to activate or deactivate the emergency lights.



5. **Low/high beam lever / High beam flasher button**
   Lever out: high beam
   Lever in: low beam
   Pressing the lever: high beam flashing
6. **"Cruise Control" lever**
   Press to set the parameters of the "Cruise Control" (§ 4.3.6.) and "Speed Limiter" (§ 4.3.7.) functions.

"▲/▼/◄/►/○" buttons
The external buttons select the various functions of the display to perform adjustments, while the central "○" (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.

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

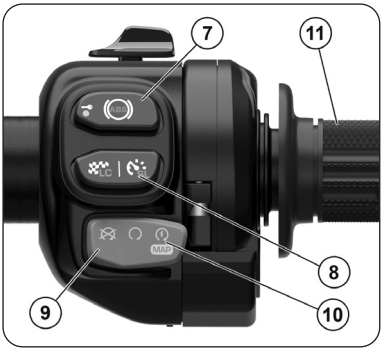
Low/high beam lever / High beam flasher button
Under normal conditions, the low beam is on. The high beam can be switched on by moving the lever outwards when allowed by the traffic and road conditions. Pressing the lever activates the high beam flashing to attract the attention of other road users in case of danger.

"Cruise Control" lever
This lever sets the parameters of the "Cruise Control" (§ 4.3.6.) and "Speed Limiter" (§ 4.3.7.) functions.

3.4. Handlebar controls, right side

7. **“ABS” button**
   Press to enable or disable the antilock braking system (ABS) (§ 4.3.4.4.).
8. **“Launch Control” / “Speed Limiter” button**
   When the vehicle is stationary, it activates the “Launch Control” function (§4.3.8.). During vehicle riding, it activates the “Speed Limiter” function (§4.3.7.).
9. **Engine stop switch**
   Stops the engine and prevents it from being restarted.
10. **Engine start / “MAP” button**
    Starts the engine. To be released as soon as the engine starts. With the engine running, sets the Riding Mode of the vehicle (§4.3.5.2.).
11. **Throttle twist grip**
    Rotate counterclockwise to increase engine speed.
12. **DRL / Fog lights * activation lever**
    Move the lever forward to enable the automatic or manual activation mode of the night lights (high/low beam) or of the Daytime Running Lights (DRL). Move the lever backwards to enable or disable the fog lights (if available) (§4.3.9.).

(*): Supplied as standard on LXP Orioli model; available as an aftermarket part on Enduro Veloce model





“ABS” button
When the “Off-Road” or “Custom All-Terrain” Riding Modes are selected, pressing this button enables or desables the ABS antilock braking system (see § 4.3.4.4.).

❑ **Antilock Braking System (ABS)**
The LXP Orioli and Enduro Veloce models are 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 or is totally or partially disabled, the related warning light on the dashboard turns on (see § 4.3.1.). 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 center.**

“Launch Control” / “Speed Limiter” button
If pressed when the vehicle is stationary, this button activates the “Launch Control” function (see §4.3.8.); if pressed while riding the vehicle, it activates the “Speed Limiter” function (see §4.3.7.).

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 / "MAP" button
It is used to start the engine and, when the engine is running, to set the Riding Mode of the vehicle (see §4.3.5.2.).

CAUTION
To avoid damaging the starter motor, 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" of this Manual.

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, take the vehicle to an authorized MV Agusta service center to check the operation of the throttle grip before resuming riding.

DRL / Fog lights * activation lever
This device enables the automatic or manual activation mode of the Day Running Lights (DRL) or of the night lights (high/low beam - see §3.3), according to the external light conditions. Besides, it allows to enable or disable the fog lights (if available) (see §4.3.9).

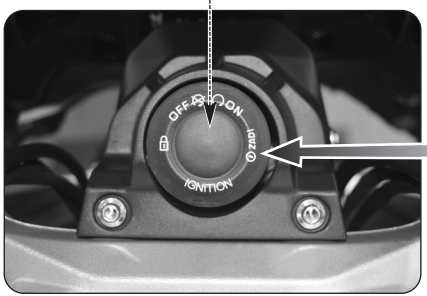
(*): Supplied as standard on LXP Orioli model; available as an aftermarket part on Enduro Veloce model

3.5. Ignition and steering lock button

The ignition system of the vehicle is operational only when the electronic key is located within its range (at a maximum distance of ~ 1 m from the vehicle).

WARNING: The ignition system remains operational even when the rider stays a short distance from the vehicle wearing the electronic key. Do not leave the vehicle unattended to prevent other people from inadvertently pressing the ignition button.

Ignition and steering lock button





Press the ignition button to enable and disable the electrical circuit and the steering lock. The three positions of the switch are described below.



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

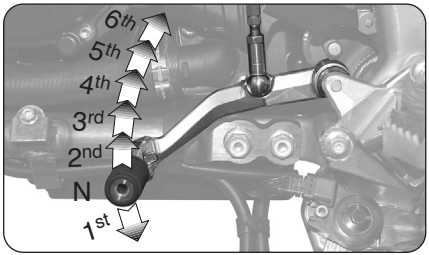
– "OFF"
All electrical circuits are deactivated.

– "ON"
All electrical circuits are activated. The instruments perform the self-diagnostic cycle (see §4.3.1.). The engine can be started.

– Steering lock
After turning off the system (ignition on "OFF" position), the dashboard displays the message shown in the picture. Turn the handlebar fully to the left or right, then press the ignition button for more than 3 seconds to activate the steering lock. Under this condition, all electrical circuits are deactivated and the steering is locked.



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 LXP Orioli and Enduro Veloce models are equipped with a quick shift system that allows to increase or decrease the gear ratio without pulling the clutch lever nor operating the throttle. This way, a higher or lower gear can be engaged, keeping acceleration constant and minimising the gear changing time.

⚠ **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.

4.1. Using the motorcycle

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

WARNING
Your 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 §4.3.2.) 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. Instruments and warning lights

4.3.1. Warning lights

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

2. **ABS warning light (orange)**
   Indicates whether the ABS system is disabled, faulty or active only on the front wheel (see § 4.3.4.4.).

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

4. **DRL (green) / fog lights (green)**
   It turns on when the Daytime Running Lights (DRL) or the fog lights are on.

5. **High beam (blue) / Low beam (green)**
   It turns on when the night lights (high beam or low beam) are on.

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

7. **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 center. If the warning light comes on even if the oil level is correct, do not resume riding and contact a MV Agusta authorized service center.

(continued on next page)



(continued from previous page)

8. Reserve fuel indicator (orange)
Comes on when less than 4.5 litres of fuel are left.

9. Coolant temperature indicator (red)
Comes on when the coolant temperature is high.

WARNING: If the temperature is high, stop the motorcycle and check the coolant level. If it needs to be filled up, contact a MV Agusta licensed service center. If the warning appears even if the level is correct, stop driving and contact a MV Agusta licensed service center.

10. "Warning" light (red)
This turns on when a malfunction in the vehicle components occurs.

4.3.2. General display

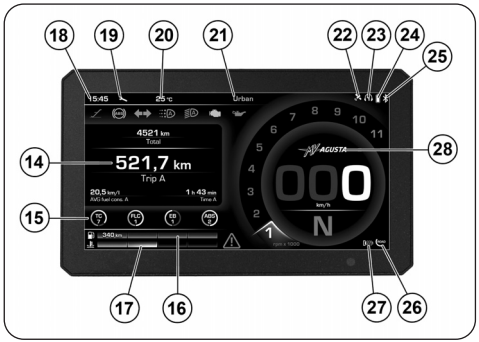
11. Speedometer
It displays the speed of the motorcycle. It can be given in kilometres per hour (km/h) or in miles per hour (mph).

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

13. Tachometer display / RPM limiter indicator
It displays the current value of the engine speed (rpmx1000). The outer ring lights up in different colors (yellow/red/flashing red) before the limiter intervention, at a number of revolutions dependent on the ratio of the inserted gear.

WARNING
Do not exceed the maximum engine rpm threshold.

(continued on next page)



(continued from previous page)

14. **Main info display:** This area shows the main data and information related to the vehicle.
15. **Electronic controls display**
    Indicates the activation state of the electronic control functions of the vehicle (see §4.3.4.4.).
16. **Fuel level display**
    It displays the level of the fuel inside the fuel tank and the remaining fuel range (in km or mi).
17. **Coolant temperature display**
    It displays the coolant temperature.
18. **Clock:** Indicates the current time.
19. **"Service" icon (white)**
    It turns on when the programmed service mileage is exceeded.
20. **Thermometer**
    Indicates the external temperature.
21. **Riding Mode display**
    Indicates the Riding Mode currently selected.
22. **"Data logging" icon**
    Indicates the data logging from the GPS unit installed on the vehicle (see §4.3.4.6.).
23. **"Intercom" icon:** Indicates the presence of one or two associated intercome devices.
24. **"Smartphone battery level" icon**
    Indicates the battery level of the Smartphone connected with the dashboard.
25. **"Bluetooth" icon:** Indicates the state of the Bluetooth connection of the dashboard with your Smartphone.
26. **"Tyres" icon:** Indicates the type of the tyres installed on the vehicle (see §4.3.5.2.).
27. **"Heated grips" icon:** Indicates the activation state of the heated grips (see §4.3.4.7.).
28. **Secondary info display**
    This area shows additional data and information related to the vehicle.

4.3.3. Starting the engine

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

– Pressing the vehicle ignition button, the instruments will go through the self-diagnostic cycle. During this phase, it is not possible to start the engine.

– The start/stop system will let the engine start 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.

– After the initial check-up phase (~ 6 seconds), if the self-diagnosis has not detected any errors, the dashboard switches to "MAIN PAGE" mode (default screen). Now it is possible to start the engine.





– When the next scheduled maintenance is approaching, the notice screenshot shown here on the side appears on the display. This message remains displayed for one second, then the dashboard automatically switches to "MAIN PAGE" mode (default screen).



– The warning screen shown here appears on the display when the due mileage for the scheduled maintenance operation is exceeded. This warning remains active until the maintenance intervention is carried out.



– 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.



– If a fault is detected, press the "O" (OK) button for more than one second to switch to "MAIN PAGE" mode (default screen). Now it is possible to start the engine.



WARNING

- **If minor faults are indicated, the engine can be started. Go to an authorised MV Agusta service center as soon as possible.**
- **In the event of major faults, the engine cannot be started. Contact an authorised MV Agusta service center 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 starter motor.

• 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 color. We recommend not to exceed this engine speed value until "Cold Engine" disappears from the display.





4.3.4. Selecting the display functions

When using the vehicle, in the main info area of the display it is possible to select the following operating modes:

- Odometer and Trip counters
- Displayed info (General information)
- “Inertial” mode (Lean angle / Vehicle acceleration / Throttle / Brake)
- Management of the electronic controls of the vehicle
- Trip record (GPS data)
- Heated grips *
- Intercom devices
- Music (Music player)
- Contacts (Phonebook)
- Navigation (Satellite navigation)

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

(*): Available as an aftermarket part on all versions





LXP Edi Orioli

4.3.4.1. Odometer and Trip counters

– The total odometer is automatically selected when the dashboard is in “MAIN PAGE” mode. Press the “▼” (down) or “▲” (up) buttons to browse the following functions:

- Trip counter A “Trip A”
- Trip counter B “Trip B”

– The display shows the covered mileage, the travel time and the average fuel consumption.
– Do not press any button; the last selected function is shown on the display during normal operating conditions.



❑ **Resetting the trip counter**

– Press the “▼” (down) or “▲” (up) buttons to select the “TRIP A” or “TRIP B” counter.
– Press the “O” (OK) button; a confirmation request for the reset procedure of the “TRIP A” or “TRIP B” counter appears on the display.
– Press the “O” (OK) button for more than one second to reset the mileage as well as the travel time and the average fuel consumption.



4.3.4.2. Displayed info (General information)

– Press the "▶" (right) control until the "Displayed info" mode is selected.
– In this mode, the following vehicle parameters can be displayed cyclically:

- Odometer (Total odometer)
- Covered mileage (Trip A)
- Active user profile
- Date
- Travel time (Trip A)
- Average fuel consumption (Trip A)
- Covered mileage (Trip B)
- Travel time (Trip B)
- Average fuel consumption (Trip B)
- Battery voltage

– Press the "▼" (down) or "▲" (up) buttons to browse the list of the vehicle parameters. Follow the instructions given at §4.3.5. to modify the display order of the above parameters.



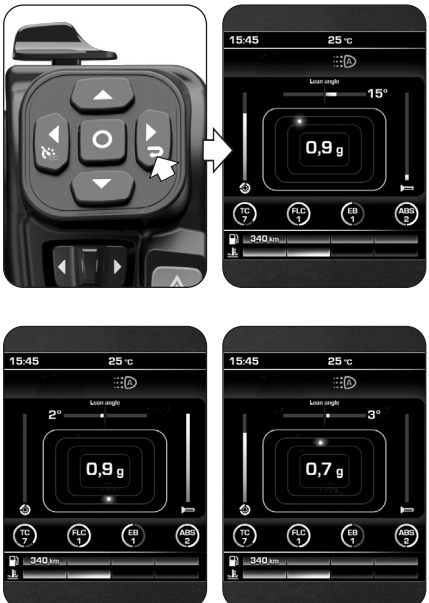


4.3.4.3. “Inertial” Mode

– Press the “▶” (right) control until the “Inertial” mode is selected. This function allows to display the trend of the instant accelerations along the longitudinal and lateral axes of the vehicle. It also displays front brake pressure, throttle control opening and lean angle in real time.

– 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.
- *Acceleration*: It measures the vehicle accelerations along the longitudinal and lateral directions in “g” (gravity acceleration).
- *Throttle*: It measures the throttle control opening percentage.
- *Brake*: It measures the pressure related to the front braking system.



4.3.4.4. Management of the electronic controls of the vehicle

– Press the "▶" (right) control until the "Electronic controls" mode is selected.
– This function allows to display the list of the electronic controls of the vehicle:

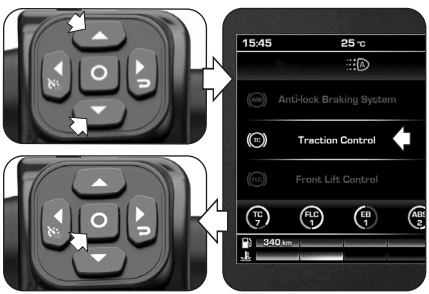
- Traction Control
- Front Lift Control
- Engine Brake
- Anti-lock Braking System" (ABS)



❑ TRACTION CONTROL

– Press the "▼" (down) or "▲" (up) buttons until the "Traction Control" mode is selected.

– Press "O" (OK) to enable the modification of the traction control level.



– By pressing the "▲" (up) control, the traction control level rises up to the next value. On the other hand, by pressing the "▼" (down) control, the traction control level decreases to the lower value. Such value may range between the following values, according to the selected Riding Mode (see §4.3.5.2.):

❑ *Off-Road mode:*
- **0** -> Traction Control disabled
- **1 ÷ 2** -> Dirt road

❑ *Urban / Touring modes:*
- **0** -> Traction Control disabled
- **1 ÷ 5** -> Asphalt road (dry)
- **6** -> Asphalt road (wet)

❑ *Custom All-Terrain mode:*
- **0** -> Traction Control disabled
- **1 ÷ 2** -> Dirt road
- **3 ÷ 7** -> Asphalt road (dry)
- **8** -> Asphalt road (wet)

NOTE: When the level "0" of the traction control is selected, the TC deactivation warning shown at the side appears in the secondary info area of the display.





– Press the "▶" (right) control to exit the modification mode of the traction control level and return to the "Electronic controls" mode. The selected traction control level is shown in the lower left portion of the display.

■ **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; the highest level corresponds to the maximum intervention condition (intervention at the slightest hint of slipping on the rear wheel). Between the minimum and maximum levels, it is possible to select 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.

• **Tips for off-road use**
When riding on a dirt road, it is recommended to select level 2 of the TC function for the first part of the track, in order to become familiar with the traction control system. In the next part of the track, 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 a medium-high level 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.

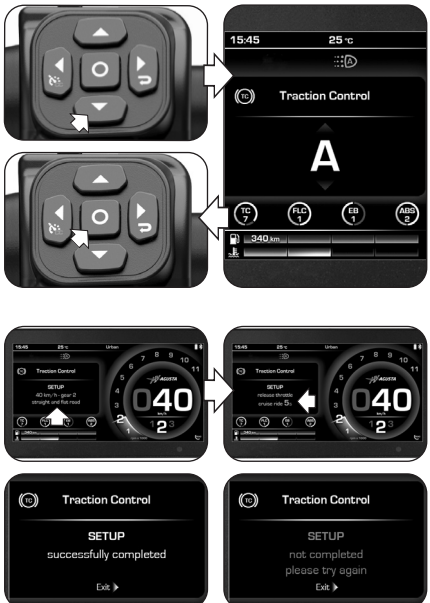
■ **Automatic learning of tyre dimensions (TC2W)**

– When replacing tyres with dimensions different from the prescribed values, access the modification mode of the traction control and press the "▼" (down) control until the "**A**" letter is selected.

– Press the "O" (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 motorcycle stationary with your feet on the ground.**

– 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 5 second countdown, during which the tyre circumference is acquired.
– "*Successfully completed*" appears on the display if the setting procedure has been correctly performed. The TC gets the default value corresponding to the selected Riding Mode (see § 4.3.5.2).
– On the other hand, if you press the "▶" (right) control during setting, the procedure is stopped. "*Not completed*" appears on the display.



LXP Edi Orioli

EN 4

❑ FRONT LIFT CONTROL

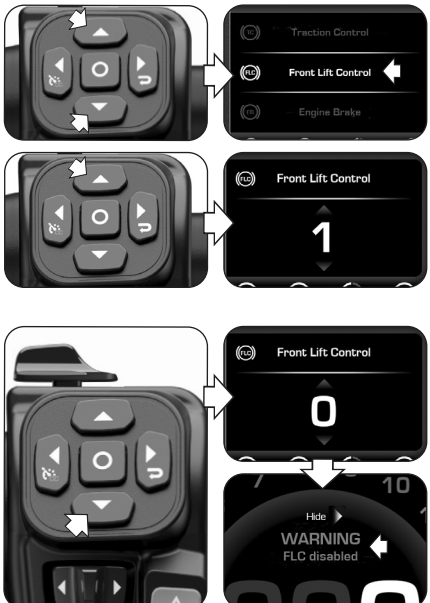
– Press the "▼" (down) or "▲" (up) controls until the "Front Lift Control" mode is selected, then press "O" (OK) to enable the modification of the activation state of the front wheel lift control function. N.B.: The "Front Lift Control" function is active by default on the vehicle.

– By pressing the "▲" (up) control, the "**1**" digit appears on the display; under this condition, the "Front Lift Control" function is enabled.

– By pressing the "▼" (down) control, the "**0**" digit appears on the display; under this condition, the "Front Lift Control" function is disabled.

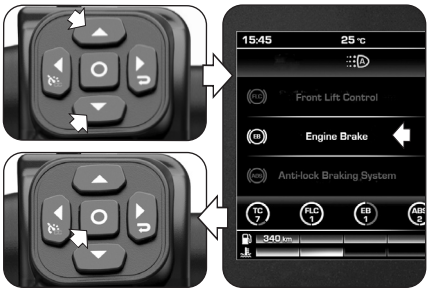
NOTE: When the level "0" of the Front Lift Control is selected, the FLC deactivation warning shown at the side appears in the secondary info area of the display.

– Press the "▶" (right) control to exit the modification mode of the "Front Lift Control" function and return to the "Electronic controls" mode. The selected activation state of the "Front Lift Control" function is shown in the lower left portion of the display.



❑ ENGINE BRAKE

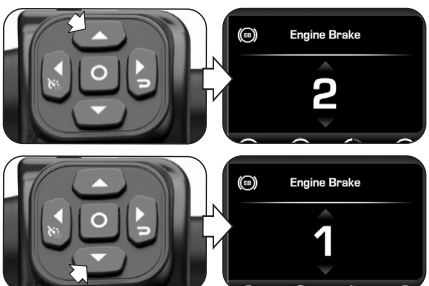
– Press the "▼" (down) or "▲" (up) controls until the "Engine Brake" mode is selected, then press "O" (OK) to adjust the engine brake intervention level.



– By pressing the "▲" (up) control, the engine brake level rises up to the next value. Otherwise, by pressing the "▼" (down) control, the engine brake level decreases to the lower value. Such value may range between the following values:

– **1** -> Reduced engine brake intervention
– **2** -> Maximum engine brake intervention

– Press the "►" (right) control to exit the modification mode of the "Engine Brake" function and return to the "Electronic controls" mode. The selected engine brake level is shown in the lower left portion of the display.



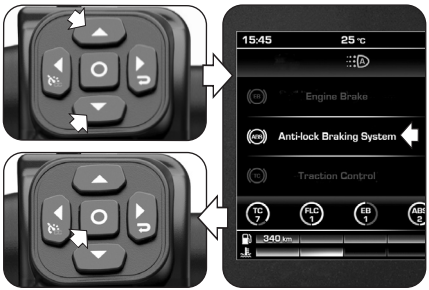
❑ **Anti-lock Braking System (ABS)**

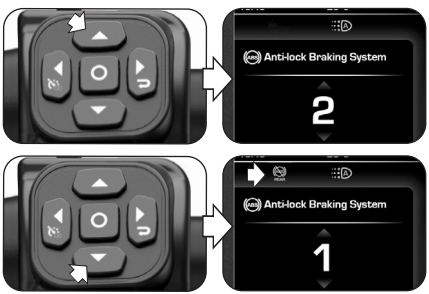
– Press the "▼" (down) or "▲" (up) controls until the "Anti-lock Braking System" mode is selected, then press "O" (OK) to enable the modification of the ABS system intervention mode.

– By pressing the "▼" (down) or "▲" (up) controls, the ABS system intervention mode may range between the following values:

– **1** -> ABS disabled on rear wheel / OCB (Cornering) function disabled / RLM (Rear wheel Lift-up Mitigation) function reduced
– **2** -> ABS fully enabled (on both wheels axes) / OCB and RLM enabled

WARNING
When the ABS system moves to level "1", the cornering stabilization function is disabled. In this case, it is recommended to carefully apply the brake when cornering, in order to avoid losing control of the vehicle.





– Press the "▶" (right) control to exit the modification mode of the "ABS" function and return to the "Electronic controls" mode. The selected intervention mode of the ABS system is shown in the lower left portion of the display.

– When the "Off-Road" or "Custom All-Terrain" Riding Modes are selected, with the motorcycle stationary it is possible to select level "**0**" (ABS fully disabled) by pressing the "ABS" button on the right side of the handlebar for more than 3 seconds. Pressing the "ABS" button again for more than 3 seconds reactivates the ABS system (reactivation can be carried out even with the vehicle in motion).

NOTE: When the level "0" of the ABS system is selected, the ABS deactivation warning shown at the side appears in the secondary info area of the display.

NOTE: Levels "1" and "2" of the ABS system can be selected with all Riding Modes. Level "0" can be selected only with "Off-Road" or "Custom All-Terrain" Riding Modes.





4.3.4.5. Trip record (GPS data)

– 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 "▲" (up) control to modify the activation state of the data logging from the GPS unit installed on the vehicle. By pressing the "▲" (up) control, the caption "**ON**" appears on the display; under this condition, the data logging from the GPS navigation system is enabled. The activation state of the data logging is shown when the related icon appears in the upper right portion of the display. The icon flashes during the triangulating phase and stops flashing when the GPS locks the position.

– In order to end data logging, press the "▼" (down) control until the caption "**OFF**" reappears on the display. Once the data logging is finished, the logged data can be downloaded and viewed through the "MVRide" app (see §4.3.10.) installed on the Smartphone connected to the dashboard.

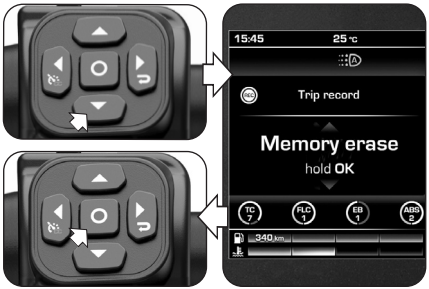




❑ **Resetting the trip data memory**

– Press the "▼" (down) control until "Memory erase" appears on the display. This function allows to erase all trip data logged on the GPS unit of the vehicle.

– Press the "O" (OK) button for more than a second to proceed with the deletion of the trip data.



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

– At the end of the reset procedure, press the "▲" (up) control until the caption "**OFF**" reappears on the display.



4.3.4.6. Heated grips *

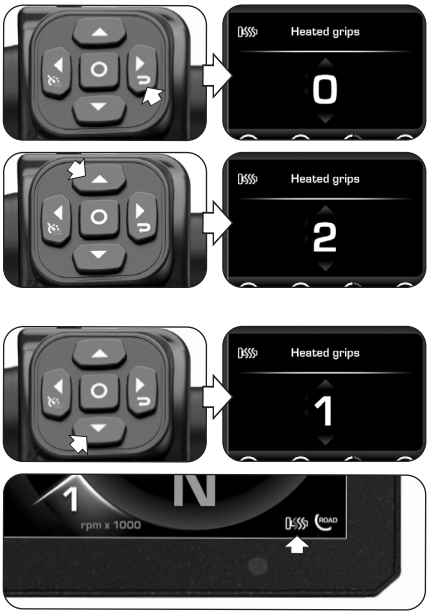
– Press the "▶" (right) control to access the heated grips activation menu. The current activation level is identified by the digit shown on the display.

NOTE
The "Heated grips" mode can be viewed or activated only with the engine running.

– Press the "▲" (up) or "▼" (down) controls to browse through the following activation options:

– **0** -> Heating off
– **1 ÷ 3** -> Heating on at rising temperature levels

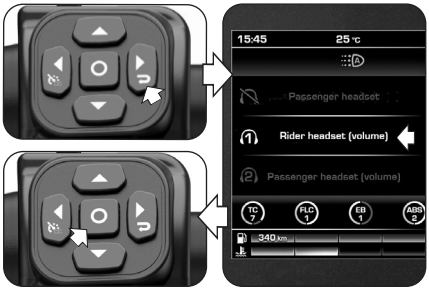
– Do not press any button to confirm the selected parameter. The chosen heated grip activation level is identified by the corresponding number of red color bars in the symbol shown in the lower right portion of the display.



(*): Available as an aftermarket part on all versions

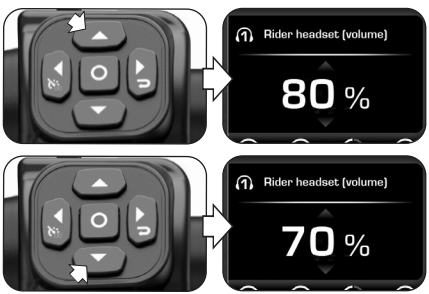
4.3.4.7. Intercom devices

– Press the "▶" (right) control until the "Intercom devices" function is selected. This mode can be viewed only when one or more additional intercom devices (e.g. headsets, microphones, etc.) are available and currently connected to the dashboard (see §4.3.5.6.).

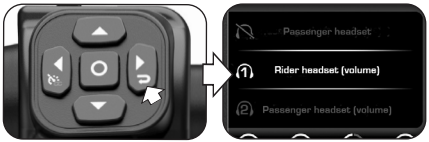


❑ **Adjusting the rider headset volume**

– Press the "▼" (down) or "▲" (up) controls until the "Rider headset (volume)" function is selected.
– Press the "O" (OK) button to enable the modification of the volume level of the rider headset.
– By pressing the "▲" (up) control, the volume level rises up to the higher value. Otherwise, by pressing the "▼" (down) control, the volume level decreases to the lower value. This value may vary between **0** and **100%**.

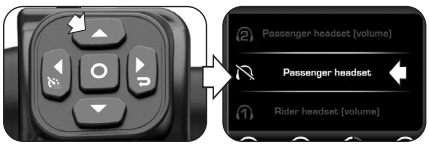


– Press the "▶" (right) control to return to the "Intercom devices" mode.



❑ **Passenger headset activation**

– Press the "▲" (up) control until the "Passenger headset" function is selected (if the headset is available).

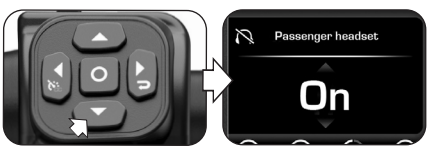


– Press the "O" (OK) button to access the activation menu of the passenger headset.

– Press the "▼" (down) or "▲" (up) controls to modify the activation state of the passenger headset:



– **Off** -> Passenger headset disabled
– **On** -> Passenger headset enabled

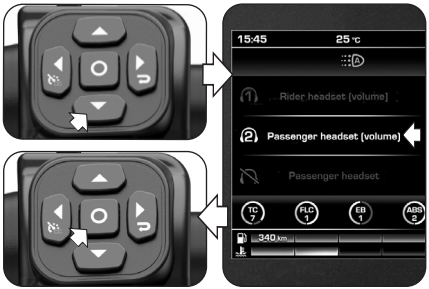


– Press the "▶" (right) control to return to the "Intercom devices" mode.

❑ **Adjusting the passenger headset volume**

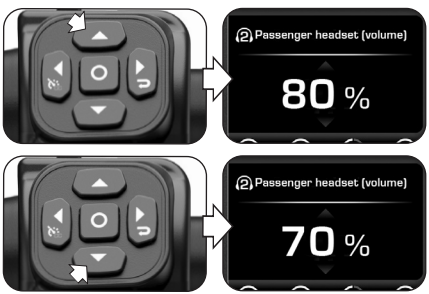
– If the passenger headset is enabled, press the "▼" (down) control until the "Passenger headset (volume)" function is selected.

– Press the "O" (OK) button to enable the modification of the volume level of the passenger headset.



– By pressing the "▲" (up) control, the volume level rises up to the higher value. Otherwise, by pressing the "▼" (down) control, the volume level decreases to the lower value. This value may vary between **0** and **100%**.

– Press the "▶" (right) control to return to the "Intercom devices" mode.

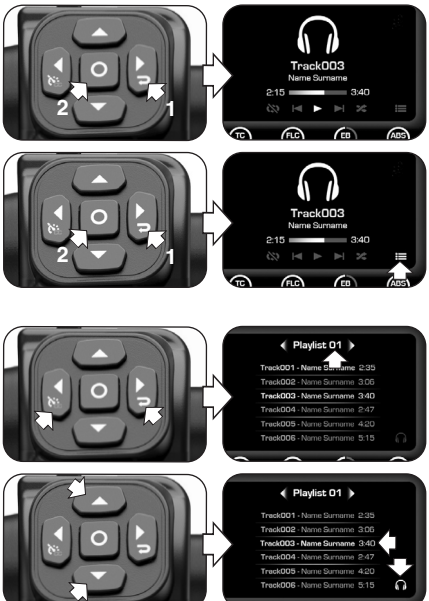


4.3.4.8. Music (Music player)

– Press the "▶" (right) control until the "Music" mode is selected. This mode can be viewed only if a Smartphone is connected to the dashboard via the "MV Ride" app (see §4.3.10.).
– Press "O" (OK) to access the music player menu.

❑ **Playlist (List of tracks)**

– Press the "▶" (right) control until the icon ☰ is selected, then press "O" (OK) to access the playlists saved on the Smartphone connected to the dashboard. N.B.: When using streaming services, the related playlists are not displayed.
– Press the "◀" (left) or "▶" (right) controls to scroll the list of playlists.
– Once the chosen playlist is selected, press the "▼" (down) or "▲" (up) controls to scroll the list of the tracks.
– Press the "O" (OK) button to select the desired track. The track will automatically start playing. Otherwise, press the "▶" (right) control for more than one second to exit the "Playlist" submenu without selecting any track.



❑ Track playing

– Press the "◂" (left) or "▸" (right) controls until the icon ► (Play) is selected, then press "O" (OK) to activate one of the following playback options of the selected track:

- ► : Start playback (Play)
- II : Stop playback (Pause)



❑ Selecting the previous track

– Press the "◂" (left) control until the icon I◄ (Previous) is selected, then press "O" (OK) to select the previous track in the playlist. The track will automatically start playing.

❑ Selecting the next track

– Press the "▸" (right) control until the icon ►I (Next) is selected, then press "O" (OK) to select the next track in the playlist. The track will automatically start playing.



LXP Edi Orioli

❑ **Repeating track / playlist**

– Press the "◄" (left) control until the icon ⟲ (Repeat) is selected, then press "O" (OK) to select the following playback modes:

- ⟲ : No repeat (Normal playback)
- ⟲ : Repeat the selected playlist
- ⟲ : Repeat the selected track

– Do not press any button; the chosen playback mode will be automatically activated.



❑ **Shuffle (Random playback)**

– Press the "►" (right) control until the icon ⤮ (Shuffle), is selected, then press "O" (OK) to select the following playback modes of the tracks on the Smartphone connected to the dashboard:

- ⤮ : Random playback
- ⇄ : Sequential playback

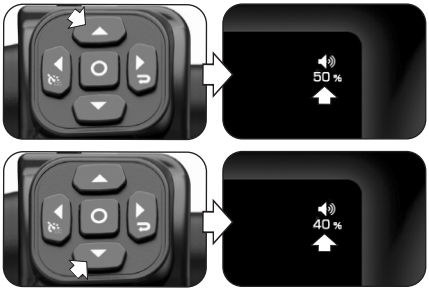
– Do not press any button; the chosen playback mode will be automatically activated.



❑ **Adjusting the volume of the music player**

– By pressing the "▲" (up) control, the volume level rises up to the higher value. Otherwise, by pressing the "▼" (down) control, the volume level decreases to the lower value. This value may vary between **0** and **100%**.

– Once the volume level of the music player is defined, the icon and the volume level remain on the display for two seconds.



❑ **Exit from music player menu**

– Press the "▶" (right) control for more than one second to exit the music player menu and return to "Music" mode.

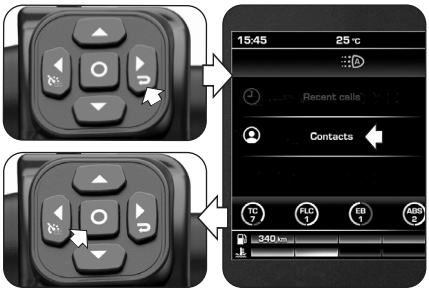


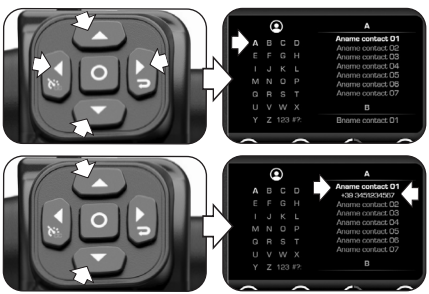
4.3.4.9. Contacts (Phonebook)

– Press the "▶" (right) control until the "Contacts" mode is selected. This mode can be viewed only if a Smartphone is connected to the dashboard via the "MV Ride" app (see §4.3.10.).

❑ **Searching the contacts**

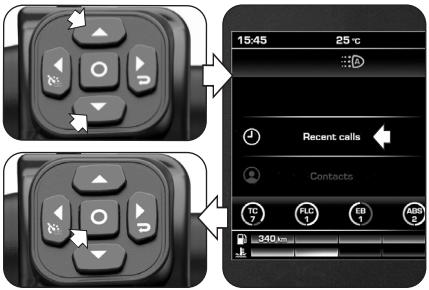
– Press the "▼" (down) or "▲" (up) controls until "Contacts" is selected, then press "O" (OK) to access the list of contacts saved on the Smartphone connected to the dashboard.
– Press the 4 "◀" / "▶" / "▼" / "▲" controls to scroll the alphabetical index of the list of contacts.
– Once the initial letter of the desided contact name has been selected, press "O" (OK) to access the related list of contacts.
– Press the "▼" (down) or "▲" (up) controls to scroll the list of contacts related to the selected initial letter. By keeping the control pressed for more than one second, 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 "O" (OK) button to select the desired phone number and to start a call. Otherwise, press the "▶" (right) control for more than one second to exit the "Contacts" submenu.





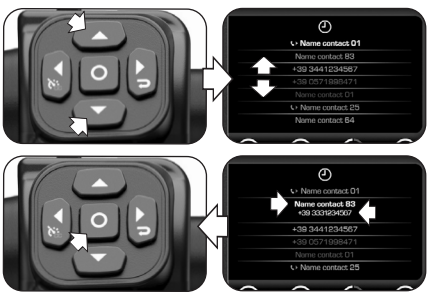
❑ **Recent calls**

– Press the "▼" (down) or "▲" (up) controls until "Recent calls" is selected, then press "O" (OK) to access the list of recent calls that were made, received or lost by the phone connected to the dashboard.



– Press the "▼" (down) or "▲" (up) controls to scroll the list of recent calls (the maximum limit is 20 calls). Unanswered calls are displayed in red color. By keeping the control pressed for more than one second, the selection scrolls of 10 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 3 seconds the related phone number is displayed in any case.

– Press the "O" (OK) button to select the desired phone number and to start a call. Otherwise, press the "▶" (right) control for more than one second to exit the "Recent calls" submenu.



❑ **Voice call**

– When there is an incoming call to the mobile phone connected with the dashboard, the display shows this notification screen. The name and the phone number of the caller are displayed in the secondary info area.
– Press the "◄" (left) or "►" (right) control to select and confirm one of the following answering options:

- Left green arrow -> Answer the call
- Right red arrow -> Reject the call



– Once the voice call is activated, the menu shown in the image appears on the display.
– During the call, by pressing the "◄" (left) control it is possible to select one of the following options:

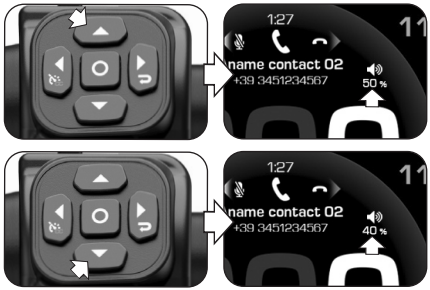
- : Microphone disabled
- : Microphone enabled

– At the end of the conversation, press the "►" (right) control to select the icon and close the call.



■ **Adjusting the volume of the voice call**

– By pressing the "▲" (up) control, the volume level rises up to the higher value. Otherwise, by pressing the "▼" (down) control, the volume level decreases to the lower value. This value may vary between **0** and **100%**.
– Once the volume level of the voice call is defined, the icon and the volume level remain on the display for two seconds.



❑ **Video call**

– When there is an incoming video call to the Smartphone connected with the dashboard, the display shows this notification screen. The name and the phone number of the caller are displayed in the secondary info area. N.B.: This function only alerts the user when a video call is received. The dashboard functions do not allow answering the video calls received on the connected Smartphone.
– At the end of the conversation, press the "▶" (right) control to select the icon and close the call.



❑ **Receiving notifications**

– When the Smartphone connected to the dashboard receives a notification or a SMS, the display shows this notification screen. The name and the phone number (if available) of the sender are displayed in the secondary info area. The notification is displayed through a generic icon, regardless of the messaging service used. N.B.: The dashboard functions do not allow viewing the text of messages received on the connected Smartphone.



– Press the "▶" (right) control to select and confirm the following option:

• : Hide notification

4.3.4.10. Navigation (Satellite Navigation)

– The “Navigation” function related to the satellite navigation system may be enabled and viewed only after the installation of the “MV Ride” app on the Smartphone connected to the dashboard (see §4.3.10.). Once the app has been installed and run, it is necessary to set the desired destination and the chosen route on the app.

– Press the “▶” (right) control until the “Navigation” mode is selected. The display shows the following information:

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

– The display shows the routes to be followed, the distance from any deviations, crossings or roundabouts and the number of the exit junction.

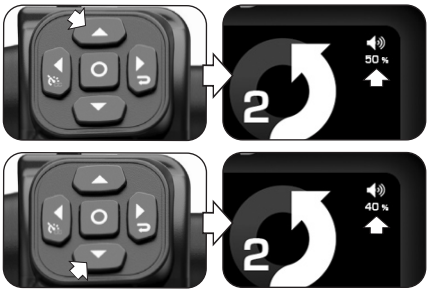
– When you are approaching the arrival, the display shows the double checkered flag symbol to highlight the reaching of the destination.





– By pressing the "▲" (up) control, the volume level rises up to the higher value. Otherwise, by pressing the "▼" (down) control, the volume level decreases to the lower value. This value may vary between **0** and **100%**.

– Once the volume level of the navigation instructions is defined, the icon and the volume level remain on the display for two seconds.



– Press the "◄" (left) or "►" (right) controls to browse the functions on the main info area of the display; the navigation display will be automatically moved in the secondary info area.

– In any moment it is possible to move back the navigation display in the main info area by pressing the "►" (right) or "◄" (left) controls until the "Navigation" mode is selected.



4.3.5. SETTING MENU (General settings)

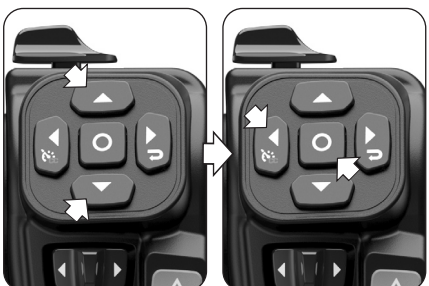
With the motorcycle stationary, by pressing the "O" (OK) button for more than one second, it is possible to access the setting menu of the following dashboard functions:

- User profiles (Custom settings)
- Motorcycle settings
- Display settings
- Info, update and reset of the software
- Service (Maintenance intervals)
- Connectivity (Devices management)

– Use the "▼" (down) or "▲" (up) controls located on the left side of the handlebar to browse the various settings of the dashboard functions.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the selected function.





4.3.5.1. User profiles (Custom settings)

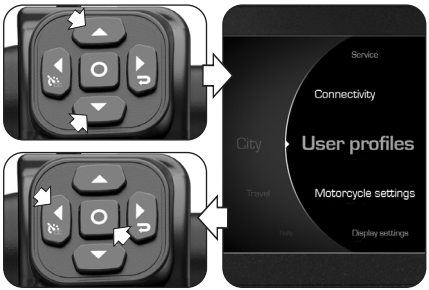
– Press the "▼" (down) or "▲" (up) controls until the "User profiles" mode is selected. This function allows to set the parameters of 3 customized user profiles. The parameters set according to the following paragraphs will be automatically saved on the active user profile.

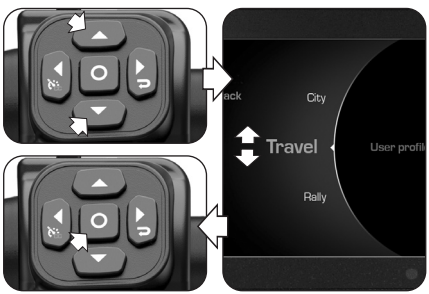
– Press the "O" (OK) button or the "◄" (left) control to access the selection menu of the user profiles.

– Press the "▼" (down) or "▲" (up) controls to select one of the available user profiles:

- City (Urban profile)
- Travel (Travel profile)
- Rally (Off-road profile)

– Press the "O" (OK) button for less than one second to enable the selected user profile. Otherwise, by pressing "O" (OK) for more than one second, the parameters of the selected profile will be reset to the default values.





– By enabling one of the available user profiles, the related operational and visual parameters of the dashboard will be automatically activated:

- Colors
- Graphic style
- Language
- Quickshift

The above parameters can be set by applying the procedures described in the next paragraphs. As an alternative, it is possible to modify the parameters and customize the name of the user profile using the “MV Ride” app installed on the Smartphone connected to the dashboard.

– Press the “▶” (right) control for less than one second to return to the previous page. Otherwise, press the “▶” (right) control for more than one second to exit the Setting Menu and return to the Main Page.

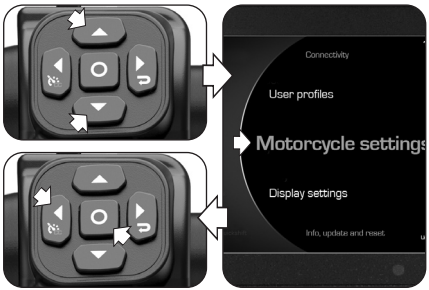




4.3.5.2. Motorcycle settings

– Press the "▼" (down) or "▲" (up) controls until the "Motorcycle settings" mode is selected. This function allows to select one of the available Riding Modes and set the related working parameters of the vehicle.

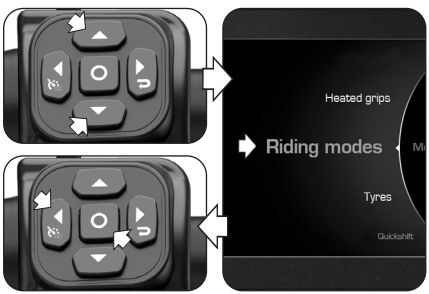
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the motorcycle working parameters.



❑ **Riding modes**

– Press the "▼" (down) or "▲" (up) controls until the "Riding modes" mode is selected.

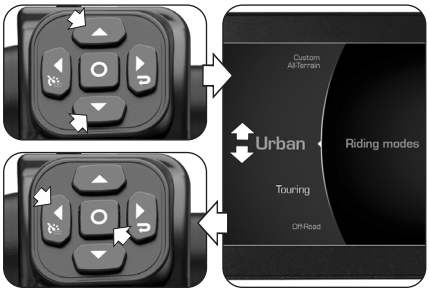
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the riding modes of the vehicle.



– Press the "▼" (down) or "▲" (up) controls to select one of the available riding modes:

- Urban
- Touring
- Off-Road
- Custom All-Terrain

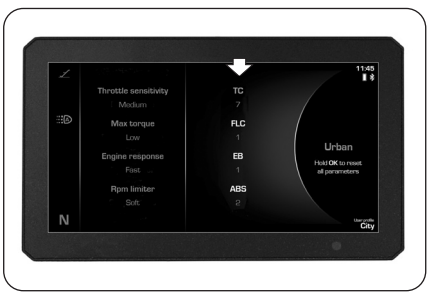
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the parameters of the selected riding mode.



■ **Urban / Touring / Off-Road**

– On the 3 pre-set Riding Modes, it is possible to set only the parameters listed on the right column of the display:

- Traction Control
- Front Lift Control
- Engine brake
- ABS



– Press the "▼" (down) or "▲" (up) controls to select one of the listed parameters, then press "O" (OK) for less than one second to set the parameter.
– Press the "▲" (up) or "▼" (down) controls to respectively increase or decrease the level of the selected parameter, then press the "O" (OK) button or the "◄" (left) control to confirm the chosen value.
– Otherwise, by pressing "O" (OK) for more than one second, all the parameters of the selected Riding Mode will be reset to the default values.

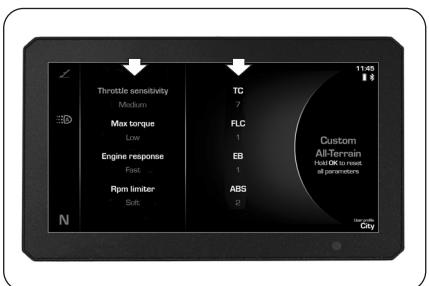


EN 4

■ **Custom All-Terrain**

– On the customized Riding Mode, besides the parameters listed on the right column, it is also possible to set the parameters on the left column of the display:

- Throttle sensitivity
- Maximum engine torque
- Engine response
- Engine rpm limiter



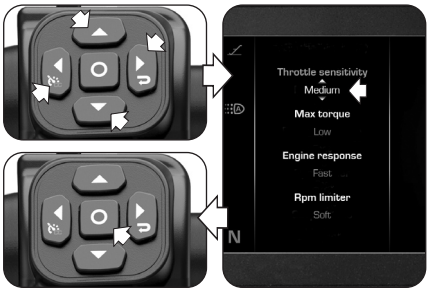
– Press the 4 “◄” / “►” / “▼” / “▲” controls to select one of the listed parameters, then then press “O” (OK) for less than one second to set the parameter.

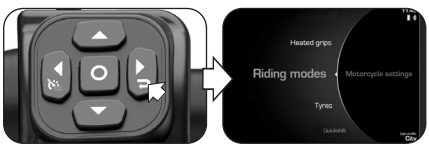
– Press the “▲” (up) or “▼” (down) controls to respectively increase or decrease the level of the selected parameter, then press the “O” (OK) button or the “◄” (left) control to confirm the chosen value.

– Otherwise, by pressing “O” (OK) for more than one second, all the parameters of the selected Riding Mode will be reset.

– At the end of the setting procedure, press the “►” (right) control for less than one second un tempo inferiore ad un secondo to return to the previous page. Otherwise, press the “►” (right) control for more than one second to return to the Main Page.

– To set the Riding Mode, press the “MAP” button with the engine running; the currently active Riding Mode starts flashing. Press again the “MAP” button to scroll the available options until the desired Riding Mode is selected; after some seconds, the chosen Riding Mode is confirmed.







4 EN

EN 4

❑ **Tyres**

– Press the "▼" (down) or "▲" (up) controls until the "Tyres" mode is selected.

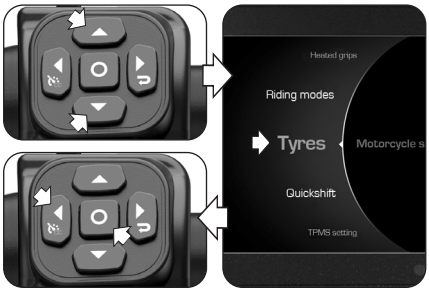
– Press the "O" (OK) button or the "◄" (left) control to access the selection menu of the tyres.

– Press the "▼" (down) or "▲" (up) controls to select one of the following tyres typologies:

- "Road" -> Tyres for use on road
- "Off-road" -> Tyres for off-road use

– Make sure to select the correct type of tyres according to the ones currently installed on the vehicle, then press "O" (OK) for more than one second to enable the selected option. When replacing the tyres, perform the procedure of self-learning of the tyre circumferences ("TC2W" - § 4.3.4.4.) to ensure the correct operation of the electronic controls of the vehicle.

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.

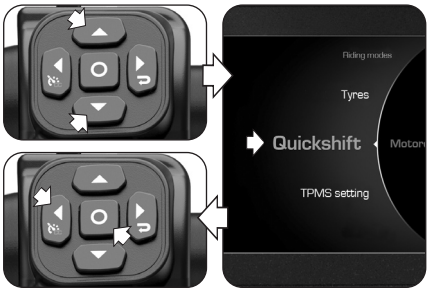




❑ QUICK SHIFT

– Press the "▼" (down) or "▲" (up) controls until the "Quickshift" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the activation menu of the quick shift function.

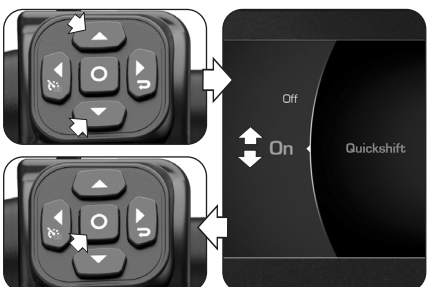


– Press the "▼" (down) or "▲" (up) controls to modify the activation state of the quick shift:

- "On" -> Quick Shift active
- "Off" -> Quick Shift inactive

– Press "O" (OK) to enable the selected option.

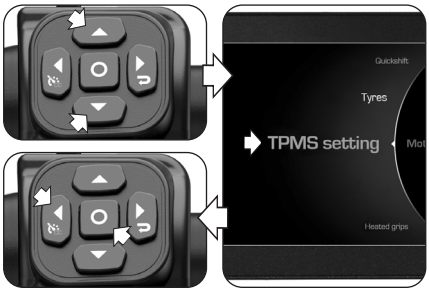
– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.

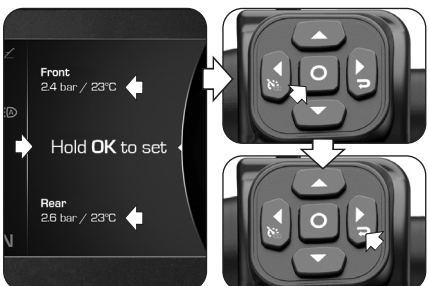


❑ **TPMS setting ***

– Press the "▼" (down) or "▲" (up) controls until the "TPMS setting" mode is selected.
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the TPMS system. This menu allows to display the following parameters concerning the front and rear wheel tyres:
• Inflating pressure (bar / psi)
• Internal temperature (°C / °F)
– Once the tyres have been inflated to the recommended pressure values (see §8.2.), it is necessary to put the vehicle in motion in order to activate the tyre pressure sensors. Once the new pressure values have been acquired, stop the vehicle and access to the "TPMS setting" menu, then press "O" (OK) for more than one second to set the tyre pressure measurement system according to the detected values.
– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.

(*): Only with aftermarket TPMS valve installed





❑ **Heated grips ***

– Press the "▼" (down) or "▲" (up) controls until the "Heated grips" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the menu of the activation state of the heated grips associated to the active user profile.

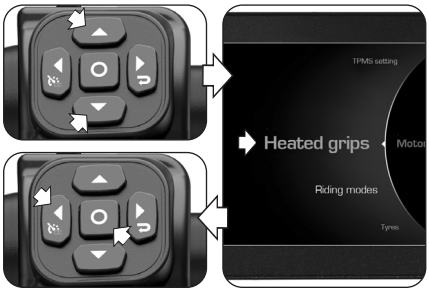
– Press the "▼" (down) or "▲" (up) controls to select one of the following activation options:

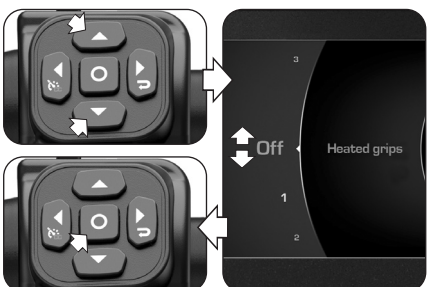
- **Off** -> Heating off
- **1 ÷ 3** -> Heating on at rising temperature levels

– Press "O" (OK) to enable the selected option.

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.

(*): Available as an aftermarket part on all versions

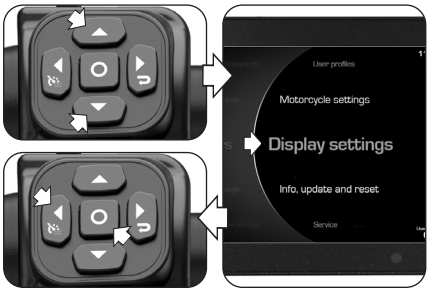




4.3.5.3. Display settings

– Press the "▼" (down) or "▲" (up) controls until the "Display settings" mode is selected. This function allows to set the visual parameters of the display associated to the active user profile.

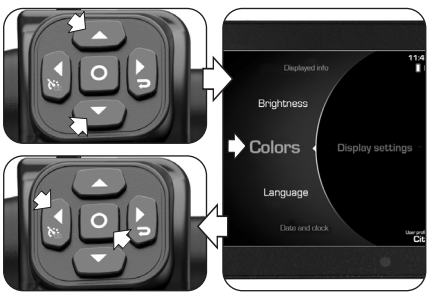
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the visual parameters of the display.



❑ **Colors**

– Press the "▼" (down) or "▲" (up) controls until the "Colors" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the colors of the display.



■ Main color

– Press the "▼" (down) or "▲" (up) controls until the "Main color" mode is selected. This function allows to set the color of the generic captions shown on the display.



– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the main color.



– Press the "▼" (down) or "▲" (up) controls to select one of the following options:

- Light blue
- Sand
- Light grey



– Press "O" (OK) to enable the selected option.

– Press the "►" (right) control for less than one second to return to the previous page.



■ Secondary color

– Press the "▼" (down) or "▲" (up) controls until the "Secondary color" mode is selected. This function allows to set the color of the background shades of the display.

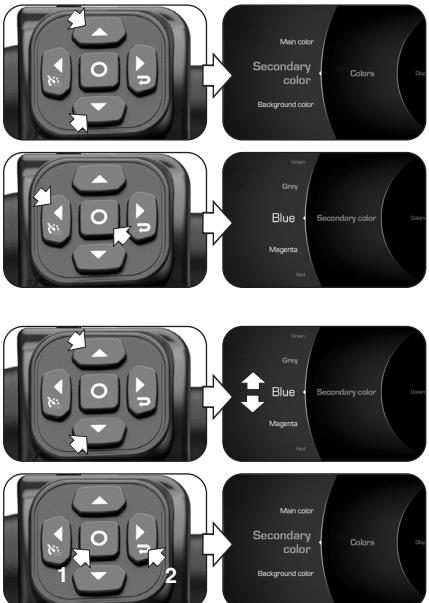
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the secondary color.

– Press the "▼" (down) or "▲" (up) controls to select one of the following options:

- Blue
- Magenta
- Red
- Green
- Grey

– Press "O" (OK) to enable the selected option.

– Press the "►" (right) control for less than one second to return to the previous page.



■ Background color

– Press the "▼" (down) or "▲" (up) controls until the "Background color" mode is selected. This function allows to set the background color of the display.

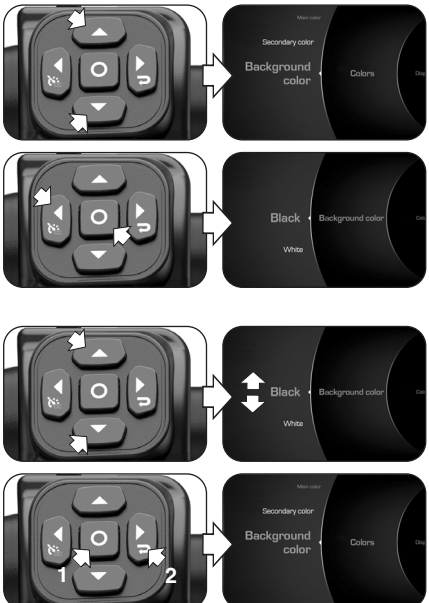
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the background color.

– Press the "▼" (down) or "▲" (up) controls to select one of the following options:

- Black (-> all secondary colors available)
- White (-> only secondary color: Grey)

– Press "O" (OK) to enable the selected option.

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.



EN 4

❑ Language

– Press the "▼" (down) or "▲" (up) controls until the "Language" mode is selected.

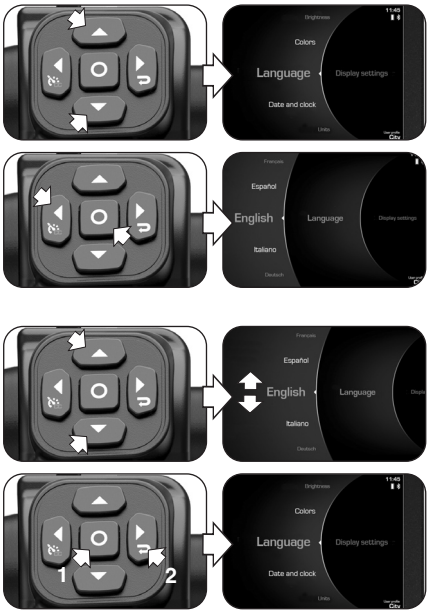
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the language of the display captions. The display shows the currently set language.

– Press the "▼" (down) or "▲" (up) controls to select one of the following options:

- English
- Italiano (Italian)
- Deutsch (German)
- Français (French)
- Español (Spanish)

– Press "O" (OK) to enable the selected option.

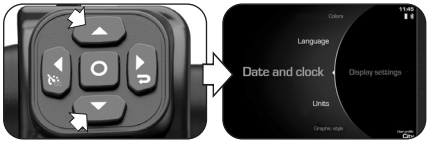
– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.



❑ **Date and clock**

– Press the "▼" (down) or "▲" (up) controls until the "Date and clock" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the date and clock setting menu.





■ **Date**

– Press the "▼" (down) or "▲" (up) controls until the "Date" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the date.



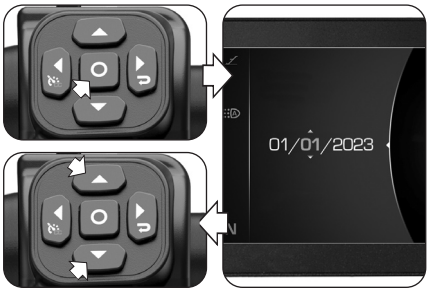
– Press the "O" (OK) button for more than one second to set the day digit.

– Press the "▲" (up) or "▼" (down) controls to respectively increase or decrease the day digit.



– Press the " O " (OK) button to confirm the set digit. The display continues to the adjustment of the month digit.

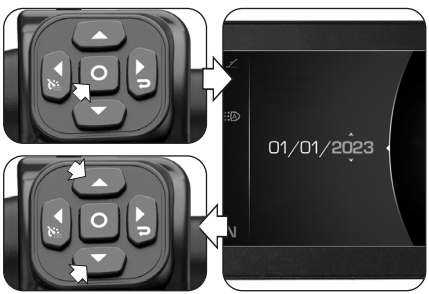
– Press the "▲" (up) or "▼" (down) controls to respectively increase or decrease the month digit.



– Press the " O " (OK) button to confirm the set digit. The display continues to the adjustment of the year digit.

– Press the "▲" (up) or "▼" (down) controls to respectively increase or decrease the year digit.

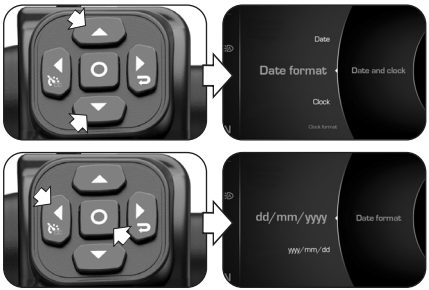
– Press the " O " (OK) button to confirm the set digit, then press the "▶" (right) control for less than one second to return to the previous page.



■ Date format

– Press the "▼" (down) or "▲" (up) controls until the "Date format" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the date format setting menu.

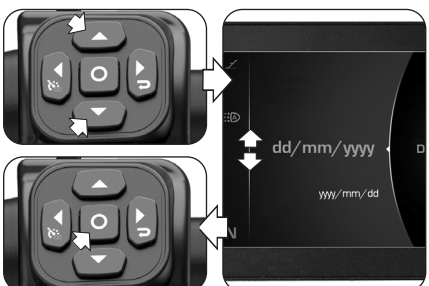


– Press the "▼" (down) or "▲" (up) controls to select one of the following options:

- "dd/mm/yyyy" (Day/Month/Year)
- "yyyy/mm/gg" (Year/Month/Day)

– Press "O" (OK) to enable the selected option.

– Press the "►" (right) control for less than one second to return to the previous page.



■ **Clock (Clock setting)**

– Press the "▼" (down) or "▲" (up) controls until the "Clock" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the clock.

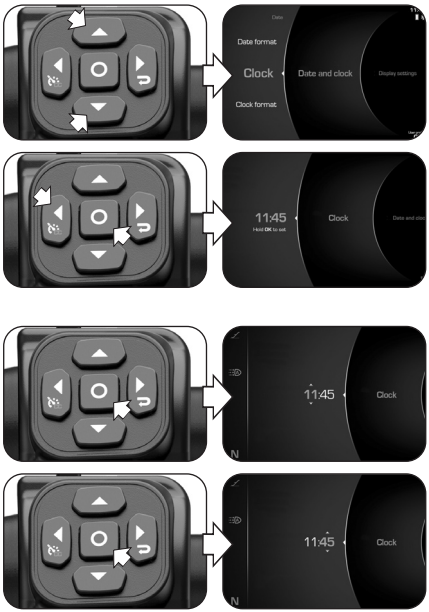
– Press the "O" (OK) button for more than one second to set the hour digit.

– Press the "▲" (up) or "▼" (down) controls to respectively increase or decrease the hour digit.

– Press the "O" (OK) button to confirm the set digit. The display continues to the adjustment of the minute digit.

– Press the "▲" (up) or "▼" (down) controls to respectively increase or decrease the minute digit.

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.



■ Clock format

– Press the "▼" (down) or "▲" (up) controls until the "Clock format" mode is selected.

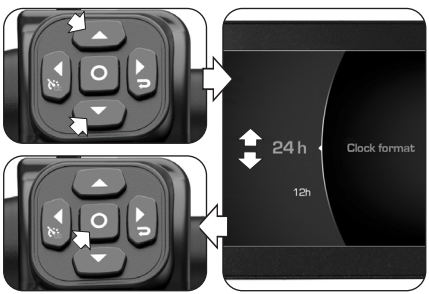


– Press the "O" (OK) button or the "◄" (left) control to access the clock format setting menu.



– Press the "▼" (down) or "▲" (up) controls to select one of the following options:

- 24 h
- 12 h



– Press "O" (OK) to enable the selected option.

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.

❑ Units (Measurement units)

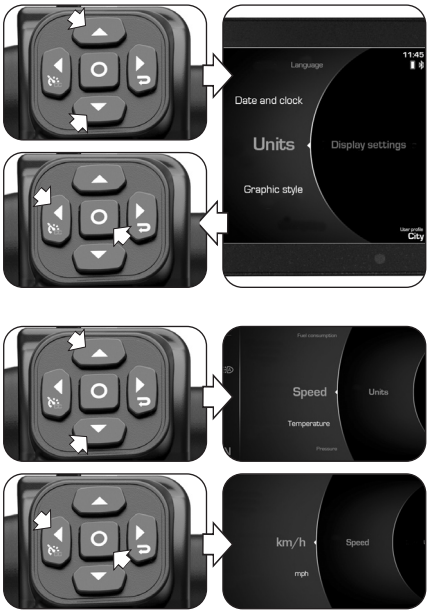
– Press the "▼" (down) or "▲" (up) controls until the "Units" mode is selected.
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the measurement units for the values shown on the dashboard.

■ Speed

– Press the "▼" (down) or "▲" (up) controls until the "Speed" mode is selected.
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the speed and mileage units.
– Press the "▼" (down) or "▲" (up) controls to change the measurement unit of the speedometer from **km/h** to **mph** and inversely. As the measurement unit of the speedometer is changed, also the following parameters change automatically:

- Odometer / Trip counters / Fuel range:
  km -> **mi**

– Press the "O" (OK) button to confirm the selected unit, then press the "►" (right) control for less than one second to return to the previous page.



■ **Temperature**

– Press the "▼" (down) or "▲" (up) controls until the "Temperature" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the temperature unit.

– Press the "▼" (down) or "▲" (up) controls to change the measurement unit of the thermometer from **°C** (Celsius) to **°F** (Fahrenheit) and inversely.

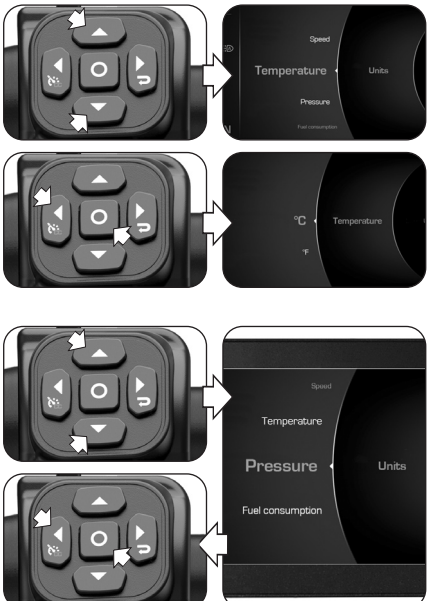
– Press the "O" (OK) button to confirm the selected unit, then press the "►" (right) control for less than one second to return to the previous page.

■ **Pressure ***

– Press the "▼" (down) or "▲" (up) controls until the "Pressure" mode is selected.

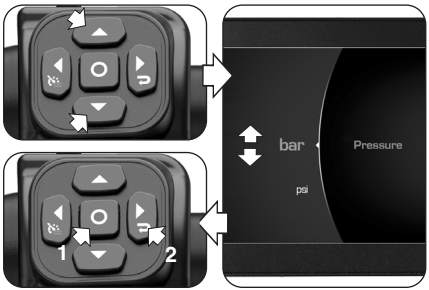
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the pressure unit.

(*): Only with aftermarket TPMS valve installed



– Press the "▼" (down) or "▲" (up) controls to change the measurement unit of the tyres pressure sensor from **bar** to **psi** and inversely.

– Press the "O" (OK) button to confirm the selected unit, then press the "►" (right) control for less than one second to return to the previous page.



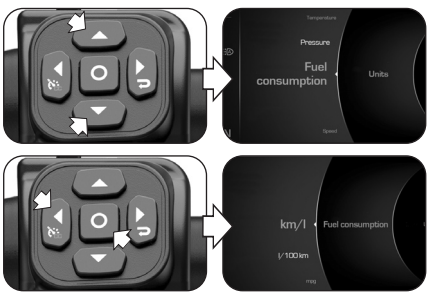
■ **Fuel consumption**

– Press the "▼" (down) or "▲" (up) controls until the "Fuel consumption" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the fuel consumption unit.

– Press the "▼" (down) or "▲" (up) controls to change the measurement unit of the fuel consumption from **km/l** to **l/100 km** to **mpg** and inversely.

– Press the "O" (OK) button to confirm the selected unit, then press the "►" (right) control for less than one second to return to the previous page.



❑ Graphic style

– Press the "▼" (down) or "▲" (up) controls until the "Graphic style" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the graphic style of the display.

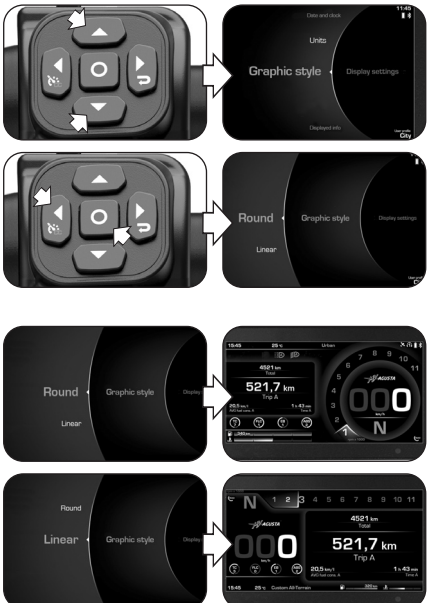
– Press the "▼" (down) or "▲" (up) controls to select one of the following style options:

- Round
- Linear

The modification of the graphic style leads to changing the display mode of the main page (see examples shown at the side).

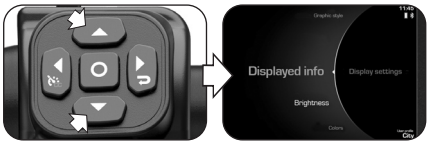
– Press "O" (OK) to enable the selected option.

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.



❑ Displayed info

– Press the "▼" (down) or "▲" (up) controls until the "Displayed info" mode is selected.
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the information displayed on the dashboard.



■ Main info

– Press the "▼" (down) or "▲" (up) controls until the "Main info" mode is selected.
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the main information displayed on the dashboard:

- Date
- Battery voltage
- Odometer
- Mileage (Trip A)
- Time (Trip A)
- Avg. fuel consumption (Trip A)
- Mileage (Trip B)
- Time (Trip B)
- Avg. fuel consumption (Trip B)
- Active user profile



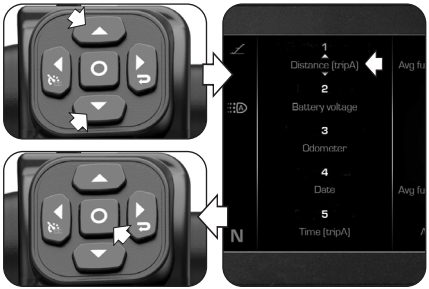
– Press the 4 "◄" / "►" / "▼" / "▲" controls to select one of the positions of the listed parameters, then press "O" (OK) for less than one second to set the corresponding parameter.





– Press the "▼" (down) or "▲" (up) controls to select the parameter to be shown in the selected list position, then press "O" (OK) or the "▶" (right) control to confirm the chosen parameter. Otherwise, press "O" (OK) for more than one second to reset the order of the parameters in the default configuration.

– Press the "▶" (right) control for less than one second to return to the previous page.

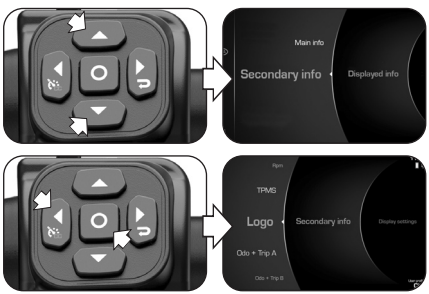


■ **Secondary info**

– Press the "▼" (down) or "▲" (up) controls until the "Secondary info" mode is selected.

– Press the "O" (OK) button or the "◀" (left) control to access the setting menu of the information displayed in the secondary info area of the dashboard:

- RPM (Engine speed)
- Logo ("MV Agusta" logo)
- TPMS (Tyre pressure) *
- Odo + Trip A
- Odo + Trip B



(*): Only with aftermarket TPMS valve installed

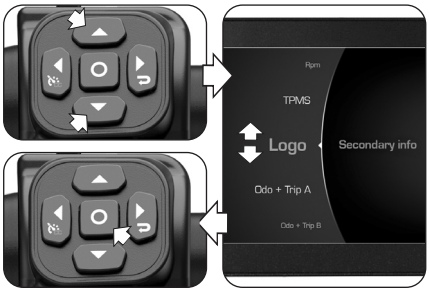
– Press the "▼" (down) or "▲" (up) controls to select one of the listed parameters, then press "O" (OK) to enable the display of the selected parameter in the secondary info area.
– Press the "▶" (right) control for less than one second to return to the previous page.

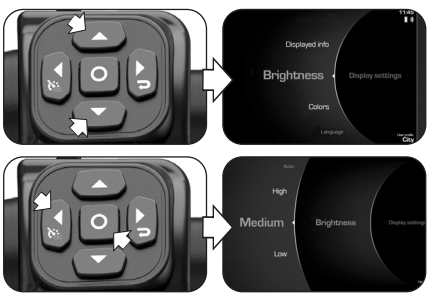
❑ **Brightness**

– Press the "▼" (down) or "▲" (up) controls until the "Brightness" mode is selected. This function allows to set the brightness of the display.
– Press the "O" (OK) button or the "◀" (left) control to access the setting menu of the display brightness.
– Press the "▼" (down) or "▲" (up) controls to select one of the following options:

• Auto (Automatic adaptation of the brightness according to the external light conditions)
• High / Medium / Low (Decreasing brightness levels)

– Press "O" (OK) to enable the selected option.
– Press the "▶" (right) control for less than one second to return to the previous page. Otherwise, press the "▶" (right) control for more than one second to return to the Main Page.

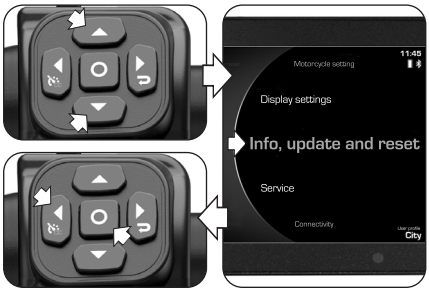




4.3.5.4. Info, update and reset

– Press the "▼" (down) or "▲" (up) controls until the "Info, update and reset" mode is selected. This function allows to view and update the parameters of the dashboard software.

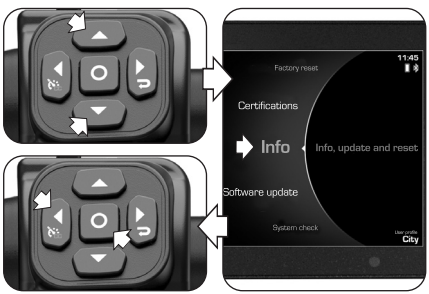
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the software parameters.



❑ **Info (Software version / General information of the vehicle)**

– Press the "▼" (down) or "▲" (up) controls until the "Info" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to display the general information of the vehicle.



– In this mode it is possible to display the following parameters:

- Software version
- Program date
- VIN number (Frame number)
- Odometer
- Battery voltage
- Date

– Press the "▸" (right) control for less than one second to return to the previous page.

❑ **Updating the software via WiFi connection**

– The update of the dashbard software can only be done via the "MVRide" app installed on the Smartphone connected to the dashboard (see §4.3.10.). The notification of the availability of a new update is received directly on the app.

NOTE: The update of the software must be performed with the motorcycle stationary, the engine off and the battery charge maintainer connected.

– Press the "▾" (down) or "▴" (up) controls until the "Software update" mode is selected.





– Press the “O” (OK) button or the “◄” (left) control to access the activation menu of the dashboard software update procedure. The message shown at the side appears on the display.



– Enable the WiFi connection on the Smartphone connected to the dashboard via the “MVRide” app.

– Press “O” (OK) for more than one second to enable the software update via WiFi connection. The dashboard enables its own WiFi connection, through which the “MVRide” app sends the update to the dashboard.



– The dashboard enters update mode. This procedure is completely managed by the “MVRide” app installed on the Smartphone connected to the dashboard. The normal dashboard functions will not be available until the updating procedure is complete. **N.B.: <u>Do not turn off the dashboard during the installation phase</u>.**

– If the software installation has been correctly performed, “Update completed” appears on the Smartphone. Turn off the electrical system by pressing the vehicle ignition button, wait for 10 seconds at least then turn the electrical system on again to activate the new software version.

– If the software installation has not been completed, “Update failed” appears on the Smartphone. Turn off the electrical system by pressing the vehicle ignition button, then turn it on again and repeat the procedure from the start.



❑ **System check (Self-diagnostic cycle)**

– Press the “▼” (down) or “▲” (up) controls until the “System check” mode is selected.

– Press the “ O ” (OK) button or the “◄” (left) control; the instruments will go through the self-diagnostic cycle, following a procedure similar to the one described for starting the vehicle (see §4.3.3.).

– Press the “►” (right) control for less than one second to return to the previous page.





❑ **Factory reset**

– Press the "▼" (down) or "▲" (up) controls until the "Factory reset" mode is selected.

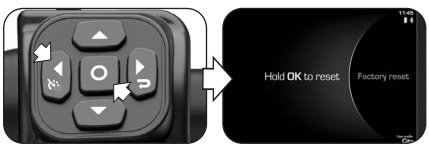
– Press the "O" (OK) button or the "◄" (left) control to access the menu for restoring the default settings of the software.

– Press the "O" (OK) button for more than one second to start restoring all factory settings of the dashboard.

– Once the procedure is complete, "Reset completed" appears on the display. Turn off the electrical system by pressing the vehicle ignition button, wait for 10 seconds at least then turn the electrical system on again for the software default settings to take effect.

– Press the "►" (right) control for less than one second to return to the previous page.

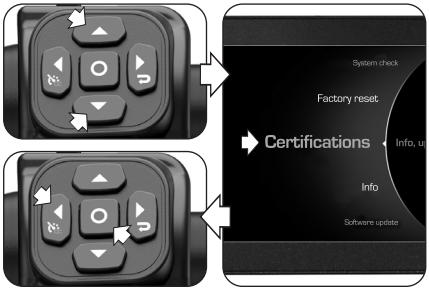






❑ Certifications

– Press the "▼" (down) or "▲" (up) controls until the "Certifications" mode is selected. This function allows to view the list of international certifications of compliance for telecommunications.



– Press the "O" (OK) button or the "◄" (left) control to display the certifications of compliance.

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.



4.3.5.5. Service (Maintenance intervals)

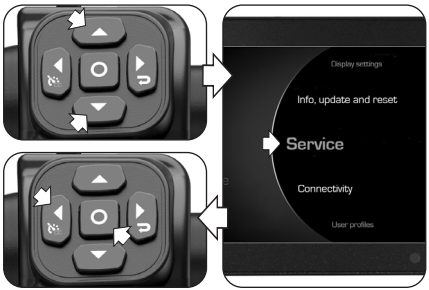
– Press the "▼" (down) or "▲" (up) controls until the "Service" mode is selected. In this mode it is possible to display the mileage pertaining to the scheduled maintenance operations.

– Press the "O" (OK) button or the "◄" (left) control to display the following parameters:

- "Countdown" -> Remaining distance to the next maintenance operation
- "Next service" -> Scheduled distance to the next maintenance operation

NOTE: If the maintenance interval has been exceeded, a "+" symbol is displayed near the "Countdown" parameter. Furthermore, the "Service" icon will remain on until the maintenance operation is performed (see §4.3.2.).

– Press the "►" (right) control for less than one second to return to the previous page. Otherwise, press the "►" (right) control for more than one second to return to the Main Page.

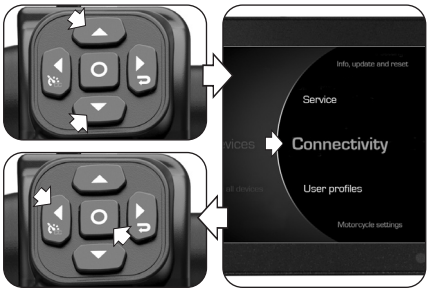




4.3.5.6. Connectivity (Devices management)

– Press the "▼" (down) or "▲" (up) controls until the "Connectivity" mode is selected. This function allows to manage the connection of one or more external Bluetooth devices (Smartphone / Intercom devices) with the vehicle dashboard.

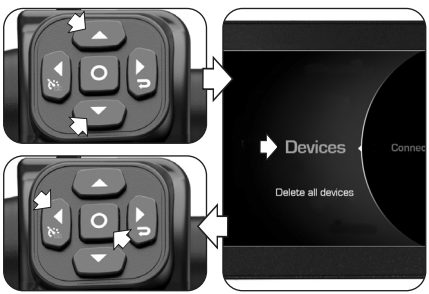
– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the external Bluetooth devices.



❑ **Devices (Bluetooth devices connection)**

– Press the "▼" (down) or "▲" (up) controls until the "Devices" mode is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the menu for connecting external Bluetooth devices.



■ Smartphone

– Press the "▼" (down) or "▲" (up) controls until the "Smartphone" mode is selected. This function allows to manage the connection state of a Smartphone with the dashboard. N.B.: The dashboard can only be connected with one Smartphone at a time.

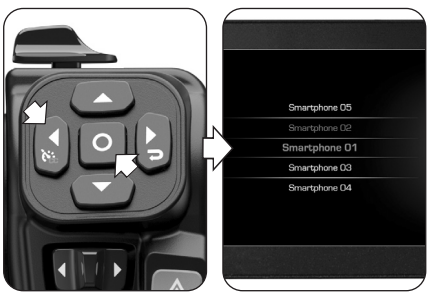
– Press the "O" (OK) button or the "◄" (left) control to access the list of Smartphones available or stored on the dashboard. The state of each device is identified by the following colors:

- Green -> Smartphone currently connected
- White -> Smartphone available for connection

❍ *Connecting the Smartphone to the dashboard*

– The first association of the Smartphone to the dashboard can only be done via the "MVRide" app installed on the device to be connected (see connection procedure described at paragraph §4.3.10.).





❍ *Disconnecting a connected Smartphone*

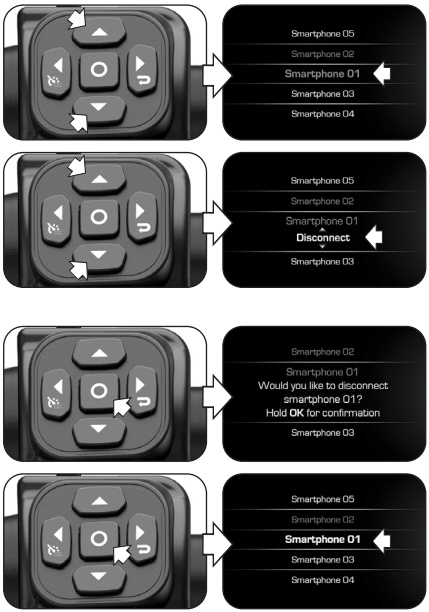
– Press the "▼" (down) or "▲" (up) controls until the Smartphone currently connected with the dashboard (green color) is selected, then press the "O" (OK) button or the "◄" (left) control to access the setting menu of the device.

– Press the "▼" (down) or "▲" (up) controls until the "Disconnect" option is selected.

– By pressing the "O" (OK) button, the message shown at the side appears on the display.

– Press the "O" (OK) button for more than one second to enable the disconnection of the selected Smartphone. Otherwise, press the "►" (right) control for less than one second to exit the setting menu.

– Once the disconnection procedure is complete, the selected Smartphone will be displayed in white color (device available for connection).



❍ *Deleting a connected Smartphone*

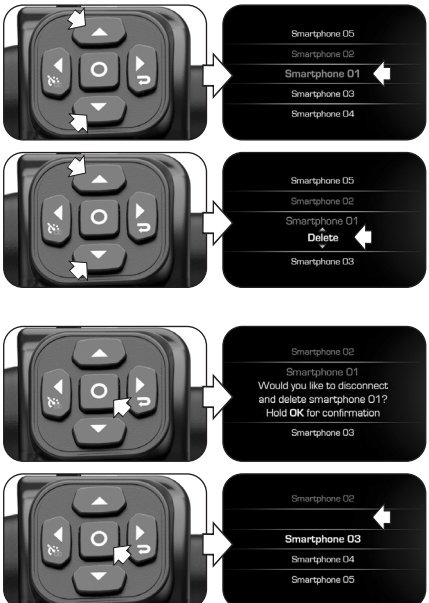
– Press the "▼" (down) or "▲" (up) controls until the Smartphone currently connected with the dashboard (green color) is selected, then press the "O" (OK) button or the "◄" (left) control to access the setting menu of the device.

– Press the "▼" (down) or "▲" (up) controls until the "Delete" option is selected.

– By pressing the "O" (OK) button, the message shown at the side appears on the display.

– Press the "O" (OK) button for more than one second to enable the disconnection and the deletion of the selected Smartphone. Otherwise, press the "►" (right) control for less than one second to exit the setting menu.

– Once the deletion procedure is complete, the selected Smartphone will be deleted from the list of devices stored on the dashboard.



❍ *Deleting an unconnected Smartphone*

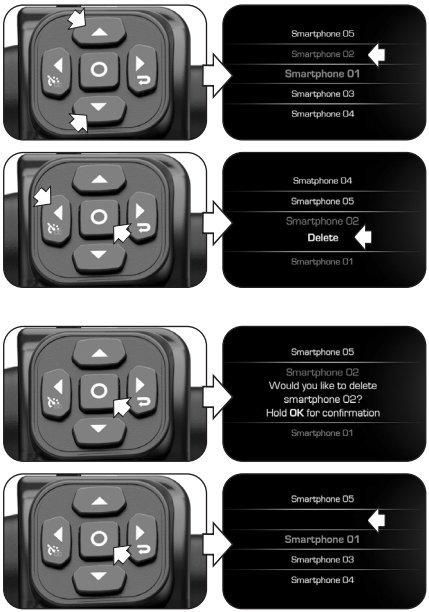
– Press the "▼" (down) or "▲" (up) controls until one of the Smartphones stored but not connected (white color) is selected, then press the "O" (OK) button or the "◄" (left) control to access the setting menu of the device.

– Press the "O" (OK) button to enable the "Delete" option; the message shown at the side appears on the display.

– Press the "O" (OK) button for more than one second to enable the deletion of the selected Smartphone. Otherwise, press the "►" (right) control for less than one second to exit the setting menu.

– Once the deletion procedure is complete, the selected Smartphone will be deleted from the list of devices stored on the dashboard.

– Press the "►" (right) control for less than one second to return to "Devices" mode.



■ Rider headset

– Press the "▼" (down) or "▲" (up) controls until the "Rider headset" mode is selected. This function allows to manage the connection state of an intercom device for rider (e.g. headset, microphone, etc.) with the dashboard. N.B.: The dashboard can only be connected with one intercom device for rider at a time.



– Press the "O" (OK) button or the "◄" (left) control to access the list of intercom devices available or stored on the dashboard. The state of each device is identified by the following colors:

- Green -> Device currently connected
- White -> Device available for connection



❍ *Connecting an intercom device*

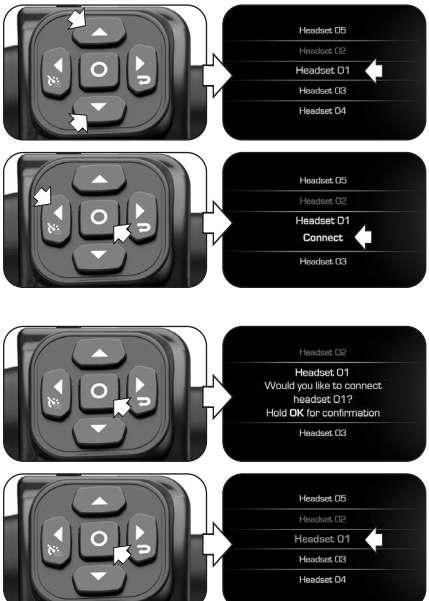
– Press the "▼" (down) or "▲" (up) controls until one of the intercom devices available for connection (white color) is selected.

– Press the "O" (OK) button or the "◄" (left) control to access the setting menu of the device.

– Press the "O" (OK) button to enable the "Connect" option; the message shown at the side appears on the display.

– Press the "O" (OK) button for more than one second to enable the connection of the selected device. Otherwise, press the "►" (right) control for less than one second to exit the setting menu.

– Once the connection procedure is complete, the selected intercom device will be displayed in green color (device connected).



❍ *Disconnecting a connected intercom device*

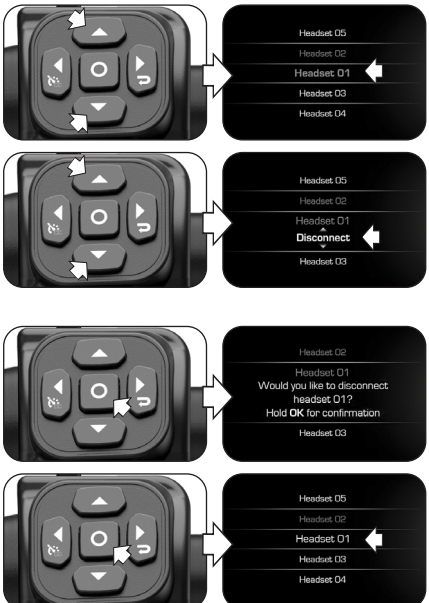
– Press the "▼" (down) or "▲" (up) controls until the intercom device currently connected with the dashboard (green color) is selected, then press the "O" (OK) button or the "◄" (left) control to access the setting menu of the device.

– Press the "▼" (down) or "▲" (up) controls until the "Disconnect" option is selected.

– By pressing the "O" (OK) button, the message shown at the side appears on the display.

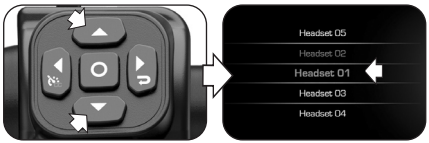
– Press the "O" (OK) button for more than one second to enable the disconnection of the selected intercom device. Otherwise, press the "►" (right) control for less than one second to exit the setting menu.

– Once the disconnection procedure is complete, the selected intercom device will be displayed in white color (device available for connection).

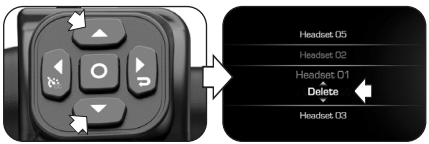


❍ *Deleting a connected intercom device*

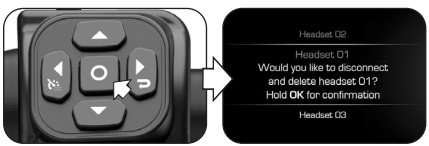
– Press the "▼" (down) or "▲" (up) controls until the intercom device currently connected with the dashboard (green color) is selected, then press the "O" (OK) button or the "◄" (left) control to access the setting menu of the device.



– Press the "▼" (down) or "▲" (up) controls until the "Delete" option is selected.

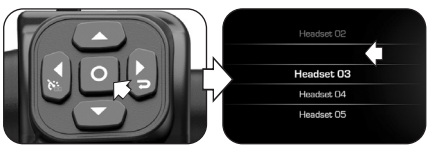


– By pressing the "O" (OK) button, the message shown at the side appears on the display.



– Press the "O" (OK) button for more than one second to enable the disconnection and the deletion of the selected device. Otherwise, press the "►" (right) control for less than one second to exit the setting menu.

– Once the deletion procedure is complete, the selected intercom device will be deleted from the list of devices stored on the dashboard.



❍ *Deleting an unconnected intercom device*

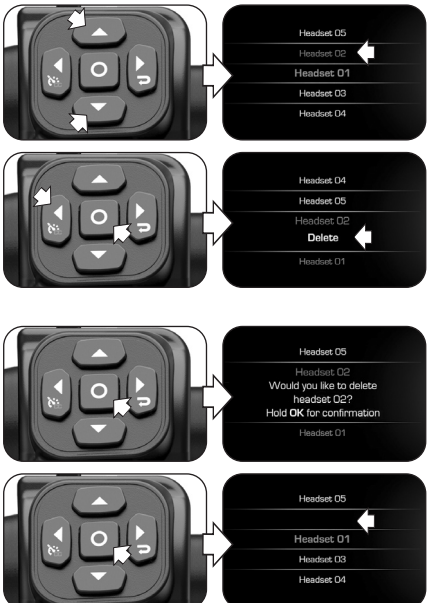
– Press the "▼" (down) or "▲" (up) controls until one of the intercom devices stored but not connected (white color) is selected, then press the "O" (OK) button or the "◄" (left) control to access the setting menu of the device.

– Press the "O" (OK) button to enable the "Delete" option; the message shown at the side appears on the display.

– Press the "O" (OK) button for more than one second to enable the deletion of the selected intercom device. Otherwise, press the "►" (right) control for less than one second to exit the setting menu.

– Once the deletion procedure is complete, the selected intercom device will be deleted from the list of devices stored on the dashboard.

– Press the "►" (right) control for less than one second to return to "Devices" mode.



■ **Passenger headset**

– Press the "▼" (down) or "▲" (up) controls until the "Passenger headset" mode is selected. This function allows to manage the connection state of an intercom device for passenger (e.g. headset, microphone, etc.) with the dashboard. N.B.: The dashboard can only be connected with one intercom device for passenger at a time.



– Press the "O" (OK) button or the "◄" (left) control to access the list of intercom devices available or stored on the dashboard. The state of each device is identified by the following colors:

- Green -> Device currently connected
- White -> Device available for connection



– Apply the same procedures described in the "Rider headset" paragraph to manage the connection state of the intercom devices for passenger.

❑ **Deleting all devices**

– Access “Connectivity” mode, then press the “▼” (down) or “▲” (up) controls until “Delete all devices” is selected. This function allows to delete all external Bluetooth devices (Smartphone / Intercom devices) stored on the dashboard.



– Press the “O” (OK) button or the “◄” (left) control to access the menu for deleting devices. The message shown at the side appears on the display.

– Press the “O” (OK) button for more than one second to enable the deletion of all Bluetooth devices stored on the dashboard; the confirmation message shown at the side appears on the display. After 3 seconds, the message disappears and the display returns to “Connectivity” mode. Otherwise, press the “►” (right) control for less than one second to return to “Connectivity” mode without deleting any devices.





4 EN

4.3.6. "CRUISE CONTROL" Mode

– Press the "◂" (left) control 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 gear from 2nd to 6th engaged at a speed ranging from 30 km/h to 180 km/h. If the activation conditions are not verified, "Not available" appears on the display.

– Once the "Cruise Control" function is activated, the cruise control speed is set according to the current speed of the vehicle.
– Move the "Cruise Control" lever backwards or forward to decrease or increase the cruise control speed by **1 km/h** with reference to the set value; keep the lever pressed to decrease or increase by **5 km/h** every second.
– Press "O" (OK) or wait 5 seconds to confirm the selected parameter. The display returns to the Main Page, showing the activation status of the Cruise Control function with a green color icon.
– This function can be deactivated by pressing the "◂" (left) control for more than one second.





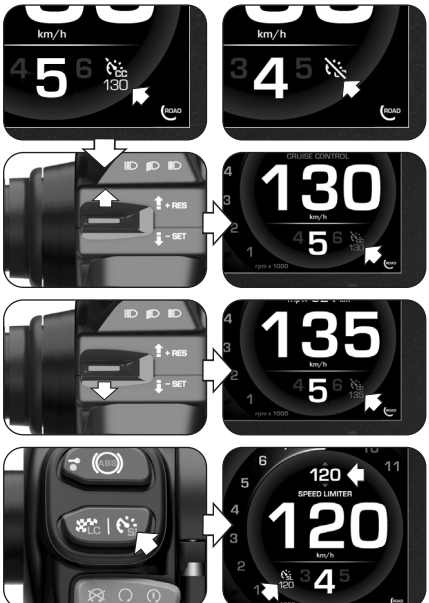
– The “Cruise Control” function can be paused by operating the brake or clutch controls, or alternatively turning the throttle grip slightly forward past the end position (throttle closed). If the activation conditions are met, the “CC” icon turns white with indicated speed; otherwise, the “CC” icon turns white, crossed out and without speed.
– If the activation conditions are met, press the “Cruise Control” level forward to reactivate the function with the speed value already set. Otherwise, press the lever backwards to reset the function according to the current vehicle speed value.

4.3.7. “SPEED LIMITER” Mode

– With the vehicle in motion, press the “LC/SL” button for more than one second 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 30 km/h to 250 km/h.

– Once the “Speed Limiter” function is activated, the maximum speed is set according to the current speed of the vehicle.



– Move the “Cruise Control” lever backwards or forward to decrease or increase the cruise control speed by **1 km/h** with reference to the set value; keep the lever pressed to decrease or increase by **5 km/h** every second.
– Press “O” (OK) or wait 5 seconds to confirm the selected parameter. The display returns to the Main Page, showing the activation status of the Speed Limiter function with a white color icon.
– This function can be deactivated by pressing the “LC/SL” button again.

4.3.8. “LAUNCH CONTROL” Mode

– With the motorcycle stationary, press the “LC/SL” button for more than one second 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 motorcycle stationary with your feet on the ground.



CAUTION
Excessive or too frequent use of the “Launch Control” function could lead to accelerated wear of the vehicle's transmission components. It is recommended to use the “Launch Control” function only when the engine has reached the operating temperature.

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. The "Launch Control" function allows you to make additional assisted starts only when the number of residual departures is greater than zero.

NOTE: If the activation conditions of the "Launch Control" function are not verified, "Not available" appears on the display.

– For each riding session, a maximum of 3 starts are available with the "Launch Control" function:

- The first and second start can be performed consecutively;
- After the second start it is necessary to travel at least **5 km** on the road in order to cool the clutch unit. When the display signals the availability of the "Launch Control" function again, it is possible to perform the third start.





EN 4

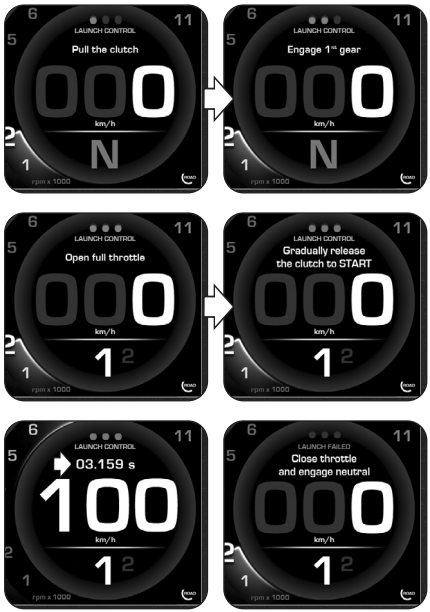
❍ *Controlled vehicle start with "LC" function:*

- Pull the clutch lever;
- Engage the 1st gear;
- Rotate the throttle control full open;
- Gradually release the clutch lever within 5 seconds to put the vehicle in motion.

NOTE: After 5 seconds, 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.**

– At the end of the starting procedure, the acceleration time from 0 to 100 km/h appears on the display.
– If the starting procedure has not been correctly performed, "Launch failed" appears on the display. Close the throttle control, shift into neutral and repeat the procedure from the beginning.



4.3.9. DRL / Fog lights * activation

– The display shows the activation or the deactivation of the Daytime Running Lights (DRL) or of the fog lights, depending on the position of the related switch on the right side of the handlebar.

– *Automatic mode:* Move the switch forward to enable the automatic activation mode of the lights, according to the external light conditions:

- Day -> Daytime Running Lights (DRL)
- Night -> Low beam

– *Manual mode:* By moving the switch forward again, the low beam is activated together with the position lights regardless of the ambient light conditions.

– *Fog lights * :* Move the switch backwards to activate or deactivate the fog lights (if available; if no fog lights are installed on the vehicle, the message shown at the side appears on the display).

(*): Supplied as standard on LXP Orioli model; available as an aftermarket part on Enduro Veloce model



4.3.10. 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®.

– 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 turn-by-turn navigation;

• 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 GPS module installed on the vehicle and their consultation.

❑ **First association of the Smartphone to the dashboard**

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

1. Access your Smartphone settings and activate Bluetooth and geolocation. While you are near the vehicle, turn the dashboard on.
2. Open the “MVRide” app installed on your Smartphone and give consent to all necessary permissions. N.B.: Geolocation must always be allowed. If this option is not available when you first open the app, access the Smartphone settings and manually set the permission.
3. Follow the wizard until you select the vehicle family you want to connect with.
4. The “Bluetooth” logo and a pairing code will appear on the dashboard display; check that the code matches the one displayed on the Smartphone. Press the “◄” (left) control on the vehicle in order to confirm the pairing of the devices. Otherwise, press the “►” (right) control to reject the pairing. In this case, repeat the association procedure from the beginning.





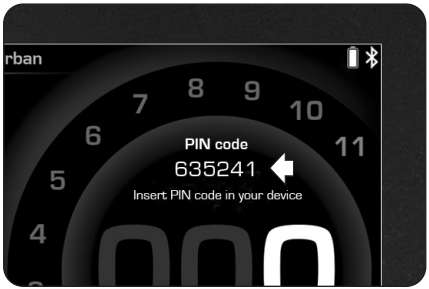
■ **Smartphone with Android system (1-step connection)**

5.a. If your Smartphone uses the Android system, the BLE connection is automatic. After confirming the Bluetooth connection acceptance code, the dashboard automatically connects to the Smartphone.

■ **Smartphone with iOS (Apple) system (2-step connection)**

5.b. If your Smartphone uses the iOS system, the BLE connection requires to enter an additional acceptance code. The code is displayed on the dashboard; the user must enter this code on the Smartphone.

– The connection status can be verified both by the appearance of the "Bluetooth" symbol with two lateral triangles and the Smartphone battery level on the dashboard, and by the indications given in the "MVRide" app.
– The pairing of the motorcycle to the Smartphone must be done only on first use. Afterwards, it will be sufficient to have the dashboard on and open the “MVRide” app (with Bluetooth and geolocation active) to enable automatic reconnection.





4.3.11. Warning / malfunction alerts

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

– When the system detects a fault during the self-diagnostic cycle or during the normal operation of the vehicle, an error message like the one shown here is displayed. In particular, this message identifies the vehicle part or device on which the fault has been detected. At the same time, further fault warning lights for specific types of components may also turn on (see § 4.3.1.). If a fault is detected, press the " O " (OK) button for more than one second to switch to "MAIN PAGE" mode (default screen). Now it is possible to start the engine.





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

4 EN

EN 4

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. If this message appears during travel, 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 center to solve the issue.



– If malfunctions on several components of the vehicle are detected at the same time, the related error messages will be displayed alternately on the dashboard. In the event of critical errors, the relative messages will take precedence and prevail over those relating to minor faults.

– Once the error messages have been hidden, the display will show two overlapping warning signs, to indicate the presence of multiple faults.



❑ **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. Turn off the electric system and contact an authorised MV Agusta service center to solve the issue.



❑ **High coolant temperature**

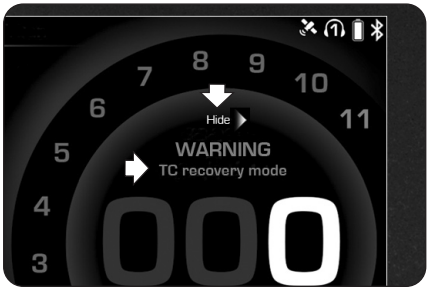
– If a high value of the coolant temperature is detected, the display shows the warning alert shown in the picture.



⚠ **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 center (see §6.3). If the warning alert appears even if the level is correct, do not resume travel and contact a MV Agusta authorized service center.

❑ **TC (Traction Control) malfunction**

– *TC Recovery Mode:* If there is a malfunction 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. The “TC” value is displayed in red color; in this condition, the traction control function is still active but with a more conservative intervention mode to guarantee an adequate safety level.



– The “TC” value remains in red color if the system is not able to automatically solve the issue. This signal remains on until the fault is repaired.

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



– *TC Diagnosis Mode:* If there is a malfunction 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 fault warning light comes on. The “TC” value indicator lights up red and flashes for 60 seconds, while the “TC” value is displayed in red color and changes to “**0**”; in this condition, the traction control function is deactivated.



WARNING: If the traction control function is deactivated, ride carefully to reduce the risk of losing control of the vehicle.

– The fault warning light stays on and the “TC” value remains in red color 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 center 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 "FLC" value indicator lights up red and flashes for 60 seconds, while the "FLC" value is displayed in red color and changes to "**0**"; in this condition, the Front Lift Control function is deactivated.



– The fault warning light stays on and the "FLC" value remains in red color 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 center as soon as possible to repair the vehicle.

❑ **Speed Limiter / Cruise Control malfunction**

– *SL-CC Recovery Mode:* If there is a malfunction such that the complete functionality of the Speed Limiter and of the Cruise Control cannot be guaranteed, the system enters recovery mode. In this case, the warning message shown at the side appears on the display. The “SL” and “CC” symbols are displayed crossed out and in red color, while the set speed value disappears; in this condition, the “Speed Limiter” and “Cruise Control” functions are deactivated.



– The “SL” and “CC” symbols remain crossed out and in red color 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 center as soon as possible to repair the vehicle.

4.4. 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.

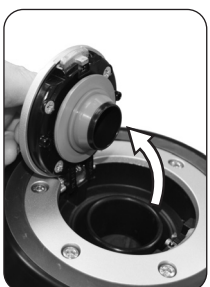
CAUTION: Only use fuel having the following characteristics:
- **Unleaded gasoline**
- **Ethanol content up to 10% volume**
- **R.O.N. octane rating of 95 or higher**

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

– Press the vehicle ignition button until the system is switched to "**OFF**" (electrical circuit disabled).
– Within 30 seconds of deactivating the electrical circuit, lift the dust cover to unlock the fuel tank cap.
– Lift the tank cap and refuel.







– After refuelling, close the tank cap and lower the dust cover. Press down the tank cap until you hear it click shut.



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.

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.

4.5. Passenger seat and rider seat

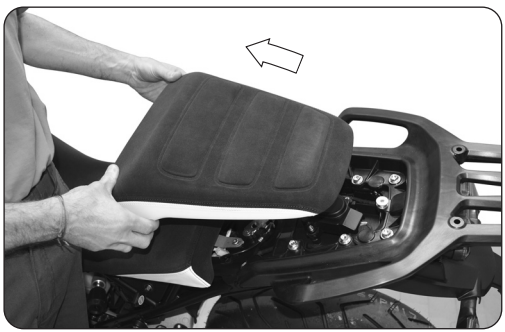
4.5.1. Removing the passenger seat

– Insert and turn the key.
– Lift the seat from the front end.
– Remove the seat by sliding it towards the front side of the motorcycle.





Follow these instructions to reassemble the passenger seat:
– Position the seat on the motorcycle, inserting it into the rear hook.
– Turn the key in the keyslot.
– Press the front end part of the seat.
– Release the key.
– Press the seat again, making sure it is tightly attached to the structure.



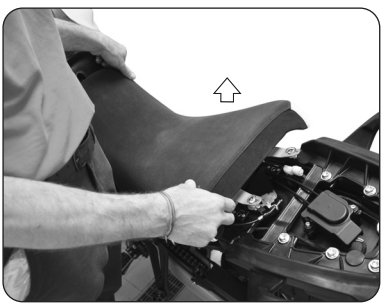
WARNING
After reassembling the passenger seat and in any case every time before using the motorcycle, ensure that the component is positioned properly and is well anchored to the frame of the vehicle.

4.5.2. Removing the rider seat

– Remove the passenger seat as described in paragraph §4.5.1.
– Turn the two rear fixing pins counterclockwise to release the rider seat from the rear frame.
– Lift the seat from the rear side and remove it by releasing it from the front hook.



Follow these instructions to reassemble the seat:
– Position the seat on the motorcycle, inserting it into the front hook.
– Insert and screw the two rear fixing pins.
– Reassemble the passenger seat as described in paragraph §4.5.1.



WARNING
After reassembling the passenger seat and rider seat and in any case every time before using the motorcycle, ensure that the component is positioned properly and is well anchored to the frame of the vehicle.

4.6. USB sockets

Two USB sockets with maximum capacity of 5V / 3A each are located on the right side of the dashboard support; their operation is enabled by activating the electrical circuit (ignition button switched to “ON”). Electronic devices can be recharged with these sockets, including mobile phones or navigators, without the need for adaptors.

– Lift the protection lid to access the sockets.

– When the sockets are not used, keep the protection lid closed to prevent foreign bodies from entering the sockets.



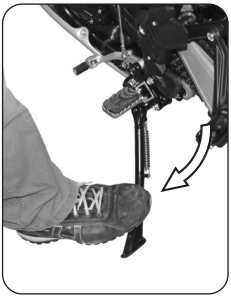




CAUTION: Use the USB sockets only to charge devices meeting the aforementioned supply and maximum absorption characteristics.

WARNING: Inserting a utility on the USB socket is allowed only when the motorcycle is stopped and standing on the stand. Do not charge anything during travel.

4.7. Parking the motorcycle





CAUTION

• 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.

❑ Using the sidestand

– 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.

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.

WARNING

Before travelling ensure that the safety switch is operating, checking that the side stand open warning light on the dashboard turns off; in any case, check that the stand is withdrawn. If you notice a malfunction of the side stand switch, have it controlled by your MV Agusta dealer before using the motorcycle.

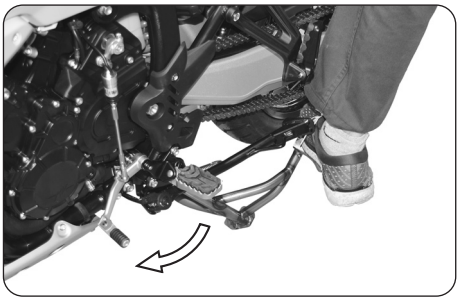
EN 4

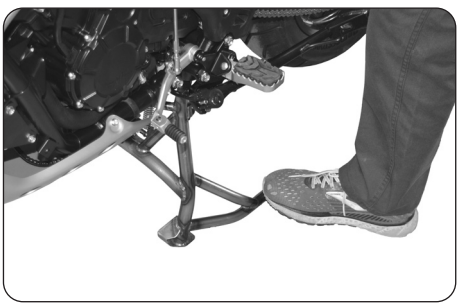
❑ **Parking with the central stand**

– Using your right foot, lower the central stand until it touches the ground.
– Press the tip of the central stand with the right foot and pull the motorcycle backwards at the same time, until it is fully lifted on the central stand.

WARNING
When the vehicle is parked on the central stand, it is dangerous to sit on it, loading your weight on the parking stand.

To lower the motorcycle from the central stand, proceed as follows.
– Push the motorcycle toward the front, until it descends from the stand; the stand will automatically lift.



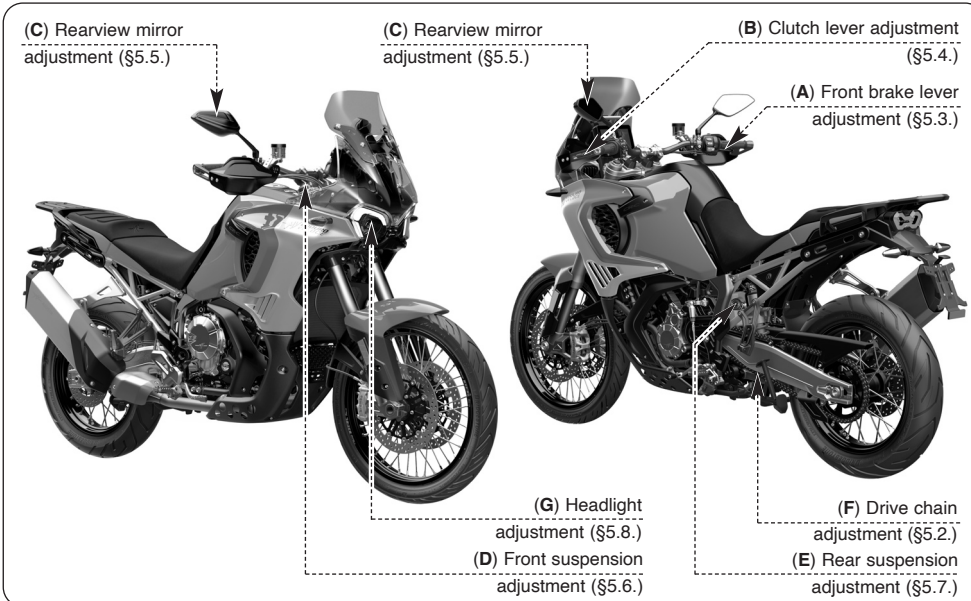


5.1. List of adjustments

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 Centers.

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


(C) Rearview mirror adjustment (§5.5.)
(C) Rearview mirror adjustment (§5.5.)
(B) Clutch lever adjustment (§5.4.)
(A) Front brake lever adjustment (§5.3.)
(G) Headlight adjustment (§5.8.)
(D) Front suspension adjustment (§5.6.)
(F) Drive chain adjustment (§5.2.)
(E) Rear suspension adjustment (§5.7.)

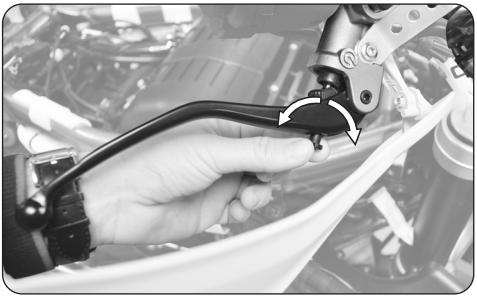
5.2. Table of adjustments

	**A - Front brake lever adjustment:** Optimizes the grip to suit the rider's needs (§5.3).
	**B - Clutch lever adjustment:** To optimize the grip according to the needs of the rider (§5.4).
	**C - Rearview mirror adjustment:** Optimizes the orientation of the rearview mirrors (§5.5).
	D - 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 (§5.6.2.) - compression damper (§5.6.3.)

	E - Rear suspension adjustment: The following can be adjusted to adapt the response of the suspension to the rider's preference:
	- geometry height
	- spring preload (§5.7.1.) - rebound damping (§5.7.2.) - high speed compression damping (§5.7.3.) - low speed compression damping (§5.7.4.)
	F - Drive chain adjustment: To ensure safe and effective transmission of power.
	G - Headlight adjustment: To adjust the range of the light beam to the geometry of the motorcycle (§5.8).

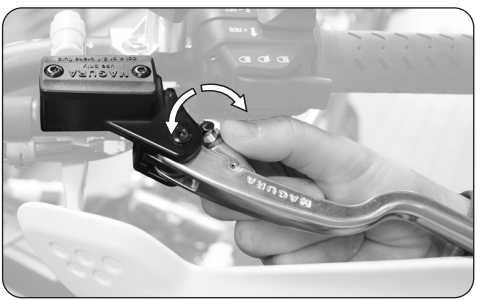
5.3. Adjusting the front brake lever

Rotate the lever adjustment register 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

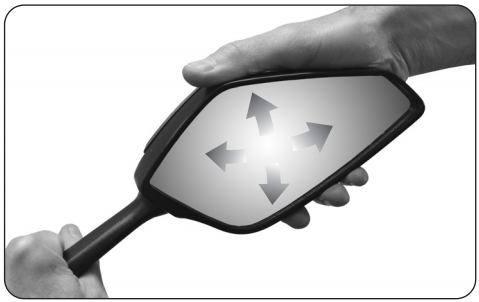
Turn the lever adjustment register to change its position. Clockwise: the lever moves closer to the handle. Counterclockwise: the lever moves away from the handle.

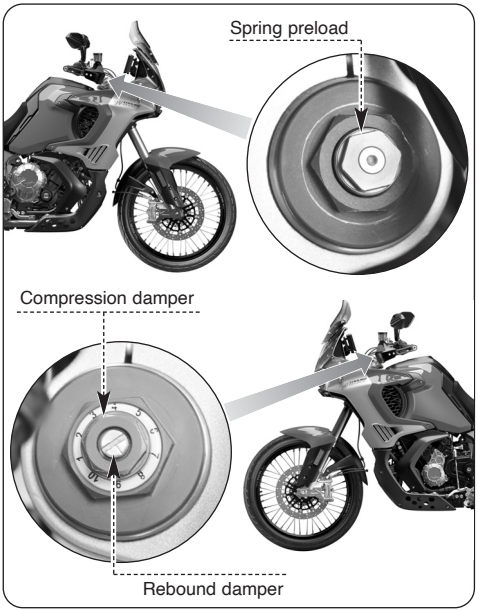


5.5. Adjusting the rearview mirrors

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.

5.6.1. Spring preload (front suspension)

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.

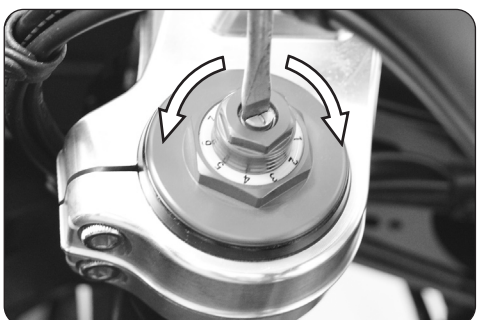


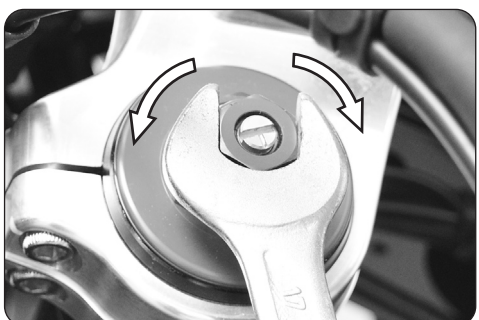
5.6.2. Rebound damper (front suspension)

The adjustment is obtained from the reference position, which is found by fully turning the screw clockwise and then counterclockwise until you reach the standard position (see enclosed table). Rotate clockwise to increase the damping action or counterclockwise to decrease it.

5.6.3. Compression damper (front suspension)

The adjustment is obtained from the reference position, which is found by fully turning the screw counterclockwise and then clockwise until you reach the standard position (see enclosed table). Rotate clockwise to increase the damping action or counterclockwise to decrease it.

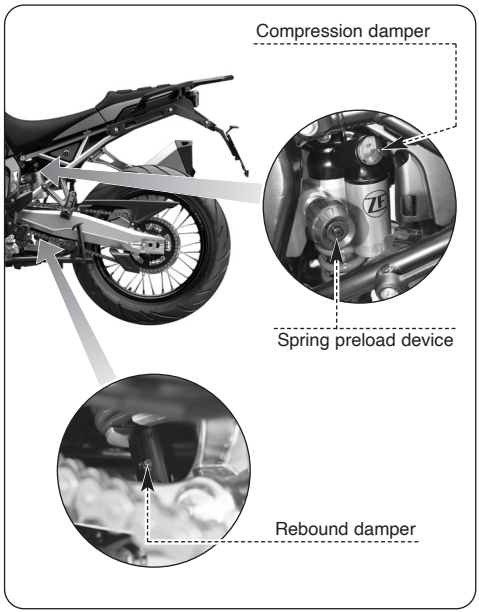




5.7. Adjusting the rear suspension

WARNING
The rear shock absorber contains highly compressed gas. Do not try to open or disassemble it in any way.

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



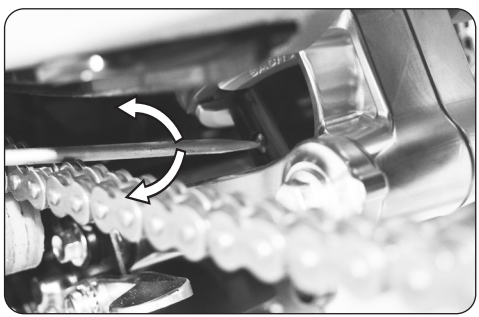
5.7.1. Spring preload (rear suspension)

The adjustment must be performed starting from the standard position. In order to find this position, turn the knob counterclockwise to the end of the travel, then clockwise to standard position (see enclosed table). Turn it clockwise to increase the spring preload or counterclockwise to decrease it.



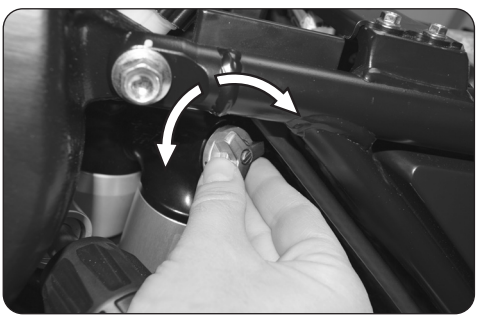
5.7.2. Rebound damper (rear suspension)

The adjustment is obtained from the reference position, which is found by fully turning the screw clockwise and then counterclockwise until you reach the standard position (see enclosed table). Rotate clockwise to increase the damping action or counterclockwise to decrease it.



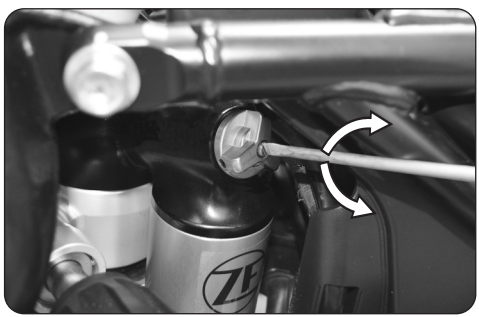
5.7.3. High speed compression damper (rear suspension)

The adjustment is obtained from the reference position, which is found by fully turning the knob clockwise and then counterclockwise until you reach the standard position (see enclosed table). Rotate clockwise to increase the damping action or counterclockwise to decrease it.



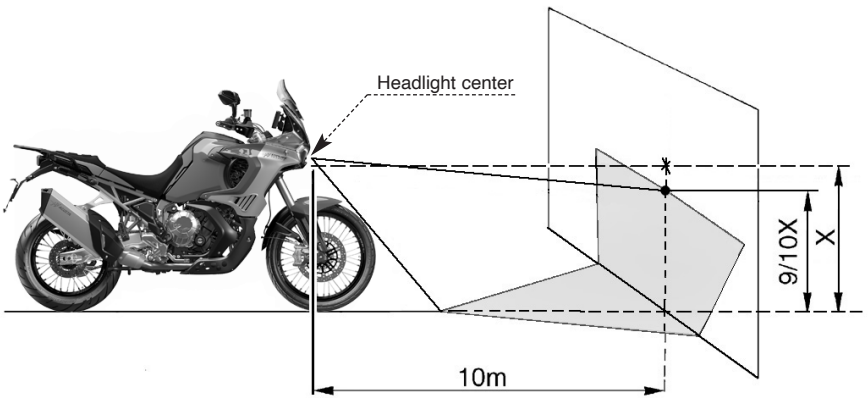
5.7.4. Low speed compression damper (rear suspension)

The adjustment is obtained from the reference position, which is found by fully turning the screw clockwise and then counterclockwise until you reach the standard position (see enclosed table). Rotate clockwise to increase the damping action or counterclockwise to decrease it.



5.8. Headlight adjustment

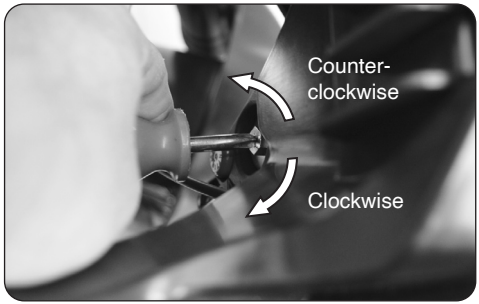
Place the vehicle at a distance of 10 m from a vertical wall. Make sure that the motorcycle is placed on an even horizontal surface, and that the headlight's optical axis is perpendicular to the wall.
The vehicle must be held in an upright position. Measure the "X" distance between the headlight center 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).

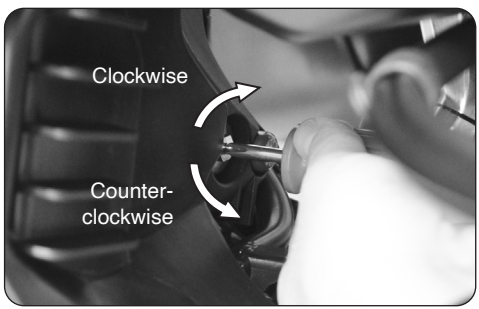


LXP Edi Orioli

To adjust the light beam vertically, operate on the lower adjusting screws of the two front headlights.

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.





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 105,000 Km (65,200 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 Centers network. Using the motorcycle on race track is allowed only occasionally and, however, not for competitive purpose, even during amateur events.

Using the motorcycle on race 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

*(*): The mileage coupons can be carried along with the **mandatory** annual coupon*

*km (mi) covered**			*0*	*1000 (600)*	*Every year*	*7500 (4600)*	*15000 (9300)*	*22500 (13900)*	*30000 (18600)*	*37500 (23300)*	*45000 (27900)*	*52500 (32600)*	*60000 (37200)*	*67500 (41900)*	*75000 (46600)*	*82500 (51200)*	*90000 (55900)*	*97500 (60500)*	*105000 (65200)*
Service coupon			*Delivery*		***A***		***B***	***C***	***D***	***E***	***F***	***G***	***H***	***I***	***J***	***K***	***L***	***M***	***N***	***O***
DESCRIPTION		***OPERATION***																		
Engine control unit		Check mapping		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Engine oil		Check / Restore level	Every time vehicle is used																	
		Check / Restore level	●																	
		Renew		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Engine oil filter		Renew (Use only original oil filters MV Agusta)	Every time engine oil is changed																	
Coolant		Check / Restore 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

*(*): The mileage coupons can be carried along with the **mandatory** annual coupon*

*km (mi) covered**			*0*	*1000 (600)*	*Every year*	*7500 (4600)*	*15000 (9300)*	*22500 (13900)*	*30000 (18600)*	*37500 (23300)*	*45000 (27900)*	*52500 (32600)*	*60000 (37200)*	*67500 (41900)*	*75000 (46600)*	*82500 (51200)*	*90000 (55900)*	*97500 (60500)*	*105000 (65200)*
Service coupon			*Delivery*		***A***		***B***	***C***	***D***	***E***	***F***	***G***	***H***	***I***	***J***	***K***	***L***	***M***	***N***	***O***
DESCRIPTION		***OPERATION***																		
Timing chain		Replace																		●
Timing fixed shoe		Replace																		●
Timing movable shoe		Replace																		●
Timing chain stretcher		Replace																		●
Air filter (Reduce mileage intervals when riding in highly polluted areas)		Check / Replace						●				●				●				●
			If necessary depending on the type of use																	
		Replace								●				●				●		
Brakes / Clutch fluid		Check level	Every time vehicle is used																	
		Check level	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Replace	At least every two years																	
Brakes / Clutch		Check operation	Every time vehicle is used																	
		Check operation and lines	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Brake pads (front and rear)		Check wear	Every 1000 Km (600 mi)																	
		Check / Replace	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

EN 6

(°) : See Motorcycle Workshop Manual
❍ : Up to VIN no. 000316 (LXP Orioli) / 000464 (Enduro Veloce)

(*): The mileage coupons can be carried along with the ***mandatory*** *annual coupon*

km (mi) covered*				***0***	***1000 (600)***	***Every year***	***7500 (4600)***	***15000 (9300)***	***22500 (13900)***	***30000 (18600)***	***37500 (23300)***	***45000 (27900)***	***52500 (32600)***	***60000 (37200)***	***67500 (41900)***	***75000 (46600)***	***82500 (51200)***	***90000 (55900)***	***97500 (60500)***	***105000 (65200)***
Service coupon				***Delivery***	***A***		***B***	***C***	***D***	***E***	***F***	***G***	***H***	***I***	***J***	***K***	***L***	***M***	***N***	***O***
Description		***Operation***																		
Clutch spring drive		Check / Replace								●				●				●		●
Fuel lines and connections		Check for defects and leakage / Replace			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rear wheel hub spring drive		Check				●														
		Check / tighten rear sprocket flange nuts			●	●														
		Replace	*Type A °*					●	●	●	●	●	●	●	●	●	●	●	●	●
			Type B °					●		●		●		●		●		●		●
				If necessary depending on the type of use																
Swingarm / link bearings		Check / Lubricate			❍					●				●						
Drive chain		Check		Every 1000 Km (600 mi)																
		Lubricate		Every 1000 Km (600 mi) and after riding under the rain																
		Check / Adjust		●	●	●	●		●		●		●		●		●		●	
		Lubricate			●	●	●		●		●		●		●		●		●	
		Replace						●		●		●		●		●		●		●
				If necessary depending on the type of use; at least every 15000 km (9300 mi)																

6 EN

★ : Up to VIN no. 000315 (LXP Orioli) / 000436 (Enduro Veloce)
☐ : Up to VIN no. 000315 (LXP Orioli) / 000368 (Enduro Veloce)

(*): The mileage coupons can be carried along with the **mandatory** annual coupon

km (mi) covered*			0	1000 (600)	Every year	7500 (4600)	15000 (9300)	22500 (13900)	30000 (18600)	37500 (23300)	45000 (27900)	52500 (32600)	60000 (37200)	67500 (41900)	75000 (46600)	82500 (51200)	90000 (55900)	97500 (60500)	105000 (65200)
Service coupon			Delivery	A		B	C	D	E	F	G	H	I	J	K	L	M	N	O
DESCRIPTION		**OPERATION**																	
Front sprocket / Tab washer		Check		●	●	●		●		●		●		●		●		●	
		Replace					●		●		●		●		●		●		●
			If necessary depending on the type of use; at least every 15000 km (9300 mi)																
Rear sprocket		Check		●	●	●		●		●		●		●		●		●	
		Replace					●		●		●		●		●		●		●
			If necessary depending on the type of use; at least every 15000 km (9300 mi)																
Drive chain pad on swingarm / Chain roller		Check / Replace					●		●		●		●		●		●		●
			If necessary depending on the type of use; at least every 15000 km (9300 mi)																
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		●	●		●		●		●		●		●		●		●
Steering bearings		Check / Adjust		★			●				●				●				●
		Lubricate		☐					●				●				●		

EN 6

Tables of scheduled maintenance

*(*): The mileage coupons can be carried along with the **mandatory** annual coupon*

km (mi) covered*			***0***	***1000 (600)***	***Every year***	***7500 (4600)***	***15000 (9300)***	***22500 (13900)***	***30000 (18600)***	***37500 (23300)***	***45000 (27900)***	***52500 (32600)***	***60000 (37200)***	***67500 (41900)***	***75000 (46600)***	***82500 (51200)***	***90000 (55900)***	***97500 (60500)***	***105000 (65200)***
Service coupon			***Delivery***	***A***		***B***	***C***	***D***	***E***	***F***	***G***	***H***	***I***	***J***	***K***	***L***	***M***	***N***	***O***
DESCRIPTION		***OPERATION***																	
Wheel rims		Inspect visually	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			Every time tyre is replaced																
Wheel spokes		Check		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			At least every year																
Front / rear wheel bearings		Check					●		●		●				●		●		●
			Every time tyre is replaced																
		Replace											●						
Sidestand / Central stand		Check operation	Every time vehicle is used																
		Check operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Side stand switch		Check operation	Every time vehicle is used																
		Check operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rear shock absorber		Check / Adjust		●	●		●		●		●		●		●		●		●
Front forks		Check / Adjust		●	●		●		●		●		●		●		●		●
		Renew fork oil							●				●				●		

LXP Edi Orioli

Tables of scheduled maintenance

*(*): The mileage coupons can be carried along with the **mandatory** annual coupon*

*km (mi) covered**			*0*	*1000 (600)*	*Every year*	*7500 (4600)*	*15000 (9300)*	*22500 (13900)*	*30000 (18600)*	*37500 (23300)*	*45000 (27900)*	*52500 (32600)*	*60000 (37200)*	*67500 (41900)*	*75000 (46600)*	*82500 (51200)*	*90000 (55900)*	*97500 (60500)*	*105000 (65200)*
Service coupon			*Delivery*			*A*			*B*	*C*	*D*	*E*	*F*	*G*	*H*	*I*	*J*	*K*	*L*	*M*	*N*	*O*
DESCRIPTION		***OPERATION***																				
Battery connections		Check and clean								●		●		●		●		●		●		●
Electrical equipment		Check operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Instrument panel		Check operation	Every time vehicle is used																			
		Check operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lights / Visual signals		Check operation	Every time vehicle is used																			
		Check operation / Replace	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Horn		Check operation	Every time vehicle is used																			
		Check operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headlight		Check operation	Every time vehicle is used																			
		Adjust	Every time geometry is changed																			
Ignition 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							●		●		●		●		●		●		●	

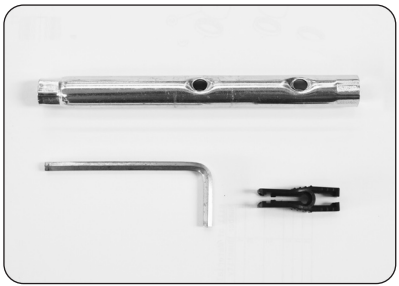
Tables of scheduled maintenance

*(*): The mileage coupons can be carried along with the **mandatory** annual coupon*

km (mi) covered*			***0***	***1000 (600)***	***Every year***	***7500 (4600)***	***15000 (9300)***	***22500 (13900)***	***30000 (18600)***	***37500 (23300)***	***45000 (27900)***	***52500 (32600)***	***60000 (37200)***	***67500 (41900)***	***75000 (46600)***	***82500 (51200)***	***90000 (55900)***	***97500 (60500)***	***105000 (65200)***
Service coupon			***Delivery***	***A***		***B***	***C***	***D***	***E***	***F***	***G***	***H***	***I***	***J***	***K***	***L***	***M***	***N***	***O***
DESCRIPTION		***OPERATION***																	
Locks		Check operation	Every time vehicle is used																
		Check operation	●	●	●		●		●		●		●		●		●		●
Screws and nuts		Check / Tighten	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hose clamps		Check / Tighten	●	●	●		●		●		●		●		●		●		●
General lubrication			●	●	●		●		●		●		●		●		●		●
General test			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

6 EN

6.2. Tools and accessories supplied



Under the passenger seat you can find the following tools:

- 1 Allen wrench (4 mm hexagon);
- 1 fuse puller.

Also, after removing the rider seat, above the battery cover you can find the following tool:

- 1 double hex socket wrench (8-10 mm hexagons).

6.3. Table of lubricants and fluids

Description	*Recommended product*	*Specifications*
Engine lubrication oil	Motul 7100 4T 5W40 (*)	SAE 5W/40
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 LXP Orioli / Enduro Veloce motorcycles engine has been developed with Motul 7100 4T 5W40 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 5W40



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.

Unscrew the oil filler cap and remove it from its seat.

The level must be between the MAX and MIN marks on the check dipstick connected to the cap.
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. 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.

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. 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.

• If the engine oil comes in touch with your skin, wash it away with soap and water.

• Keep new or exhaust engine oil out of reach of children and domestic animals.

• 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.

• While topping up the engine oil, wear a long-sleeved shirt and a pair of waterproof gloves to protect your skin.

• Correctly recycle or dispose of the exhaust engine oil, in order to avoid environmental pollution.

6.5. Checking the coolant level

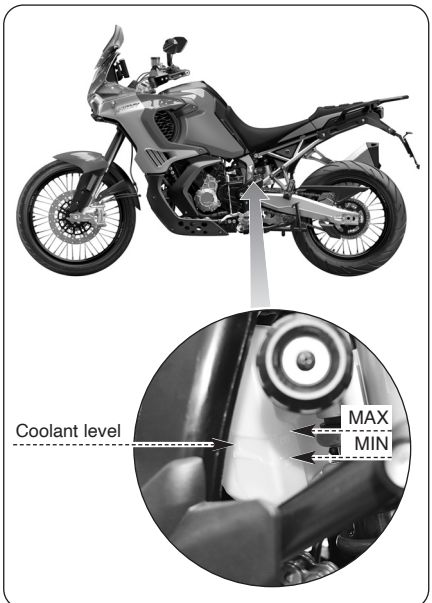
Check the coolant level while the engine is off and cold. The check must be performed after placing the motorcycle in an upright position on a horizontal surface.

WARNING
This operation must be performed by two people.

Ensure that the coolant level is between the MIN and MAX marks, as shown in the figure.

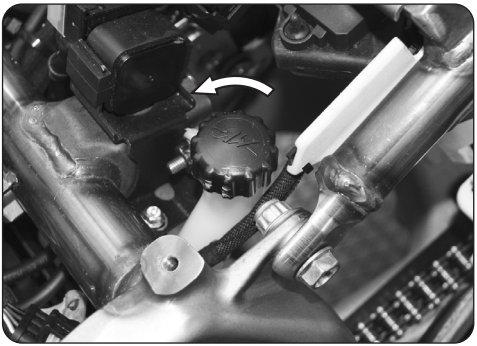
If the coolant level is below the MIN mark, top up the coolant as described at paragraph 6.5.1.

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



6.5.1. Topping up the coolant level

The coolant filler cap is located under the rider seat. To reach the cap, it is necessary to remove the passenger seat and the rider seat.
Unscrew the plug and refill using the coolant recommended in § 6.3.



⚠ **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!

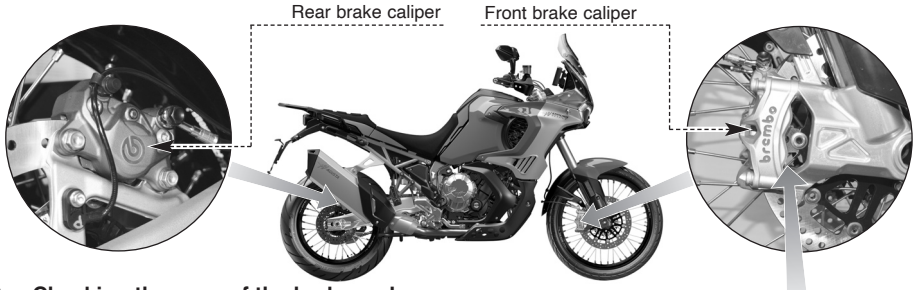
After topping up, carefully replace the previously removed parts.

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 contact and ingestion. 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.

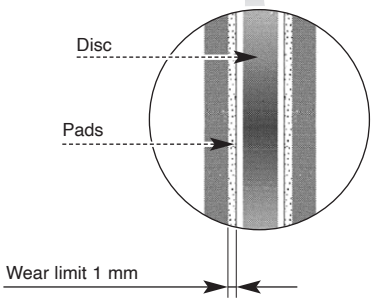
CAUTION
To top up the coolant level and/or renew the coolant, use only the product specified in the table in section 6.3. Do not mix nor dilute the coolant with additives or different fluids. If the coolant specified in section 6.3. is not available, use a coolant having technical characteristics consistent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

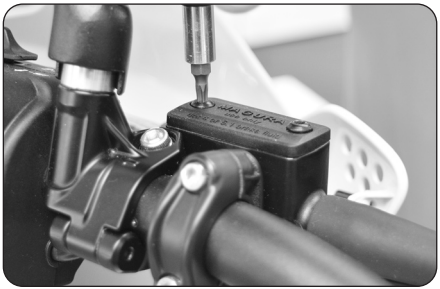
WARNING
Have the topping up of the brake fluid performed only by skilled personnel. Brake fluid is highly toxic. Avoid contact and ingestion. Keep brake fluid out of reach of children and domestic animals. In the event of a brake fluid ingestion, immediately call a doctor and do not cause vomiting, in 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.

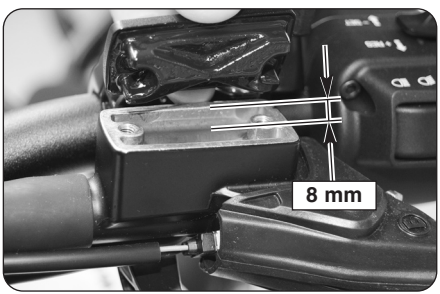
WARNING
Use only the brake fluid specified at paragraph 6.3. of this manual. Mixing different brake fluids can cause a dangerous chemical reaction, as well as the decrease of the braking efficiency, with subsequent increase of the risk of accidents.

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. Clutch control fluid - Level check

To check the level of the clutch fluid, it is necessary to remove the two fixing screws of the clutch fluid reservoir cover with a Torx T20 key, then remove the cover. The level of the clutch fluid must be at a distance of **8 mm** from the upper edge of the reservoir. If the level falls below this distance, contact an authorised service centre for a general check of the clutch control system.





WARNING
Do not use the motorcycle if the level is below the reference dimension; in this condition the clutch control system may not operate properly, which could lead to an accident. If the level of the fluid is below the reference dimension, see a MV Agusta dealer to check the clutch system.

WARNING
Refill the clutch control fluid only using the type of fluid recommended in §6.3. in 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.



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.

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 to the chain guard. In the event of long travels, you can increase the face value of the tyre pressure of 0,2 bar.

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.**

❑ **Checking the wheel rims**

Before riding, always verify the absence of cracks, bending or buckling on the wheel rims. Also check the integrity of the wheel rim spokes.

⚠ **WARNING**
If you find that the wheel rim spokes are damaged, have them replaced by an authorized MV Agusta dealer. Never attempt to repair the wheel spokes or the wheel rim, even in case of slight damage.
Every time you replace a tyre, a spoke 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

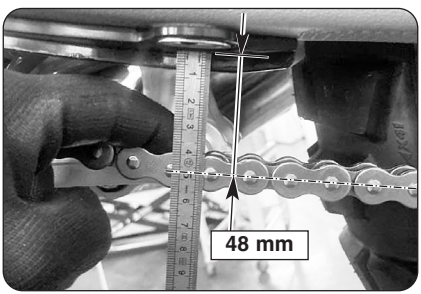
To perform this operation, you must put the motorcycle on the central stand with the gear in neutral.

❑ **Checking the chain adjustment**

⚠ **WARNING: Before checking the chain adjustment, make sure that the chain is properly lubricated.**

To check the chain adjustment, push the lower portion of the chain downwards with one hand until the measurement stabilizes. The axis of the chain lower portion must be **48 mm** from the lower chain pad at its rear fixing point. 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 pad 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 corresponding 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.

❑ **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 or a similar product). The dirt must then be removed with a clean rag and/or an air jet.

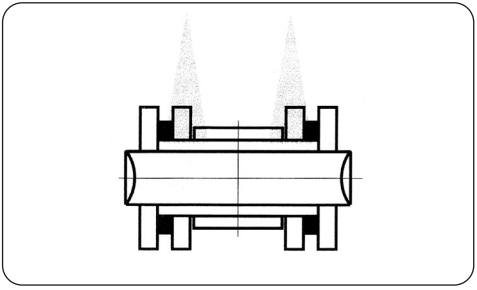
CAUTION
The chain is of the O-ring type. To prevent it from damaging, never clean the chain with a steam or high pressure water jet, nor using gasoline or other solvents. The chain must be cleaned using only specific chain cleaning products (Motul MC Care C1 or a similar product).



▶ Lubrication - Apply a slight and uniform film of lubricant over the whole 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 1.4. 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 from 1150 to 1350 rpm.

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



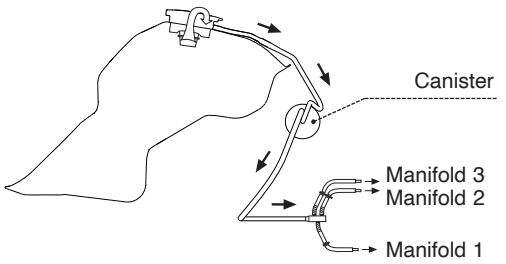
6.12. Evaporative emission control system

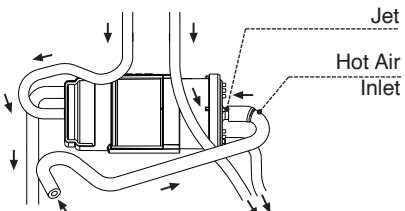
MV Agusta LXP Orioli / Enduro Veloce motorcycles are equipped with an evaporative emission control system which prevents the escape of fuel vapors from the fuel tank. In order to maintain the efficiency and reliability of this device, have the following operations performed by an authorized MV Agusta service center.

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.).





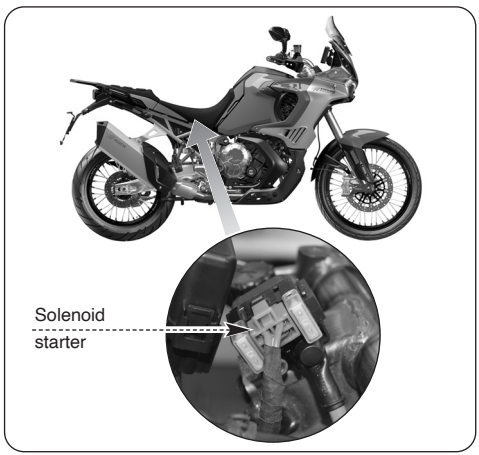
6.13. Replacing parts - General information

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
	Tail light - Replacement
	Brake light - Replacement

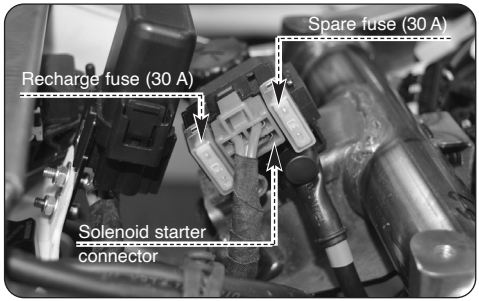
6.13.1. Replacing the fuses

▶ The battery recharge fuse is located on the solenoid starter of the motorcycle. To access it, remove the passenger seat and the rider seat.



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 make things easier remove the solenoid starter connector.



▶ 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 under the rider seat, near the solenoid starter.

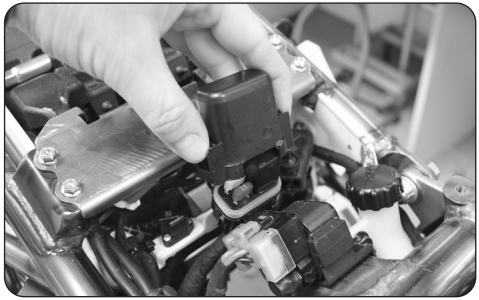
▶ Release the two clamps and extract the fuse box cover.

CAUTION

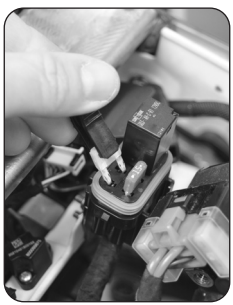
Make sure that the ignition button is on the "OFF" position before checking or replacing the fuses, in order to avoid a short circuit with subsequent damage to other electric parts of the motorcycle.

▶ Replace the blown fuse and refit the cover.

▶ To identify the position and function of the fuses, refer to the information shown in the enclosed electrical diagram.

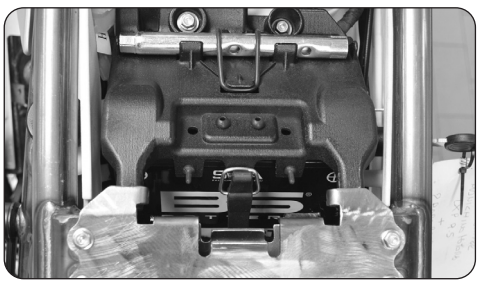






6.14. Battery

The battery is of the maintenance-free type and is installed under the driver's saddle. This battery does not require checking of the fluid level or adding of distilled water.
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 under the cover on the right side of the rear frame. Remember that the battery runs down more quickly if your motorcycle is equipped with additional electrical accessories.



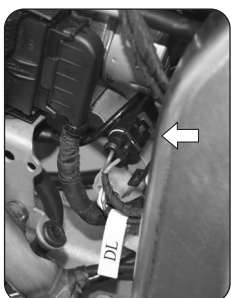
WARNING
If the battery casing is damaged, there may be a leakage of sulphuric acid, a HIGHLY TOXIC AND CORROSIVE substance. Avoid any contact with your eyes, skin and clothes. Always wear protective glasses when you have to work near the battery.
In the event of a contact with sulphuric acid, give the FIRST AID as described below:
• CONTACT WITH EYES: Wash away with water for about 15 minutes, and immediately call a doctor.
• CONTACT WITH SKIN: Wash away with a great amount of water.
• INGESTION: Drink great amounts of water or milk, and immediately call a doctor.
Furthermore, leakage of sulphuric acid can result in the formation of hydrogen gas which, if ignited by a spark or a flame, would cause an explosion.
Always have the battery replaced by your local MV Agusta dealer.

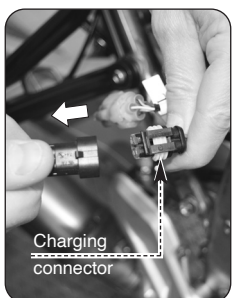
Prolonged inactivity

If the motorcycle is to remain unused for a long time (a month or longer), it is advisable to disconnect the battery cables or have the battery removed by skilled personnel. In case of prolonged inactivity, it is recommended to recharge the battery once a month, in order to ensure durability. To do this connect the charger to the related connector. To access the connector, remove the cover on the right side of the rear frame by removing the fixing screw with a 4 mm Allen key and pulling the cover outwards. Extract the connector from its support and remove the protection cap.

⚠ **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 or gasoline.

• To avoid irreparable damage to the fairing, 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 fairing before using it on the whole bike.

Periodically treat the paintwork with high quality wax. 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.

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:

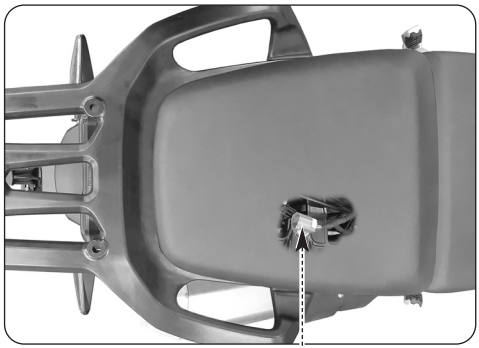
	Empty the fuel tank.
	Remove the spark plug caps and the spark plugs. Pour a teaspoonful of engine oil in every spark plug hole, then place back the spark plugs and the corresponding caps. Make the engine run idle for a few times.
	Remove the battery and store it in a suitable place. Recharge the battery every month.
	Lubricate all control cables and the joints of all pedals and levers.
	Clean the motorcycle and treat the paintwork with high quality wax (§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.).

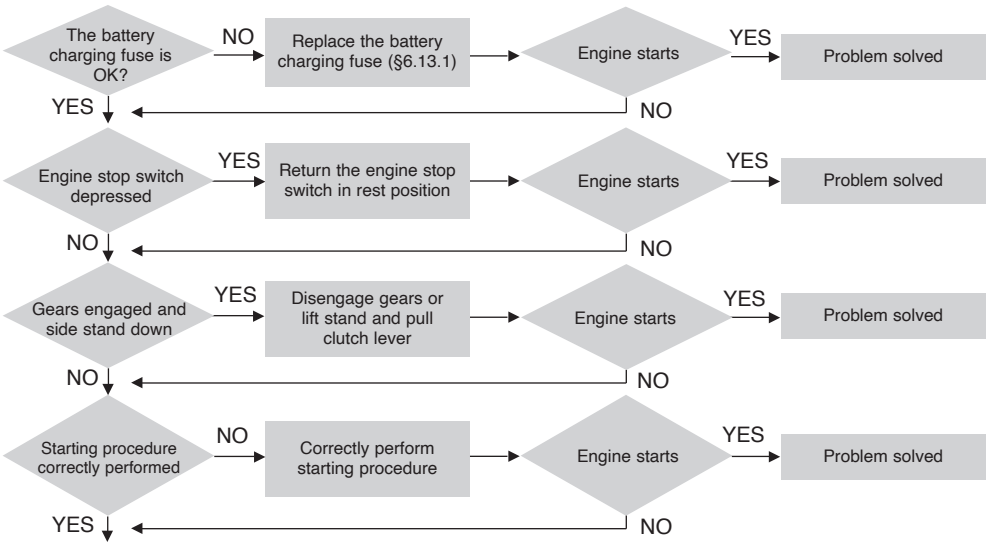
7.1. Diagnostic connector position

The connector for the diagnostic software is placed under the passenger seat. To access the connector, it is necessary to remove the seat as described in paragraph §4.5.1.

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

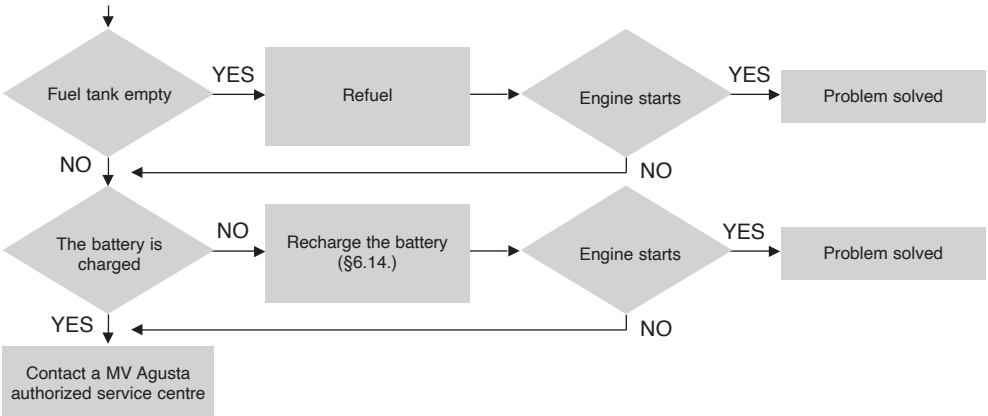


7.2. Engine problems: ENGINE DOES NOT START

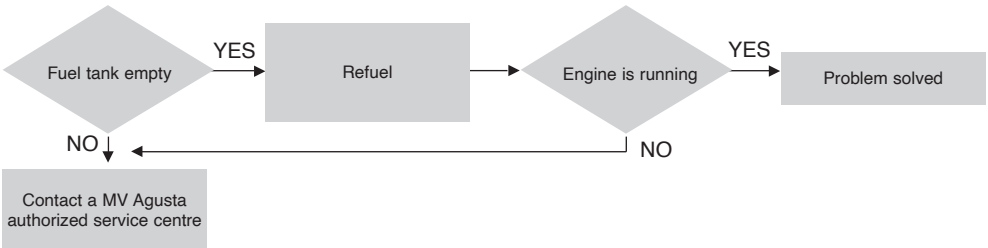


continued on next page

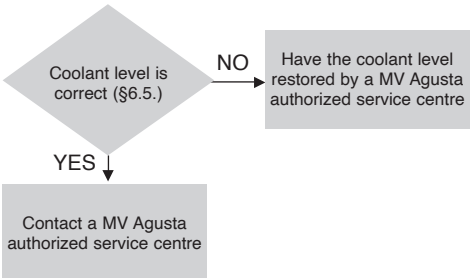
continued from previous page



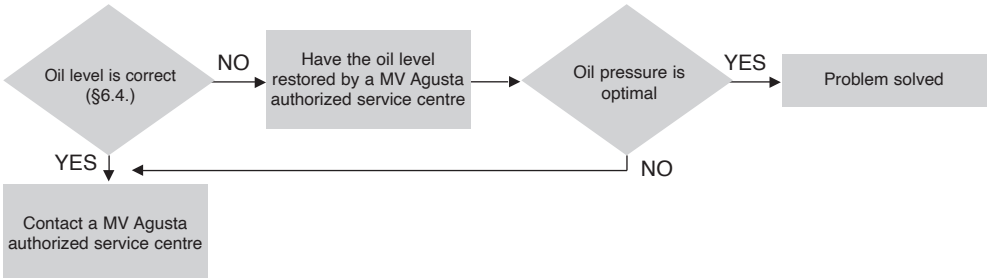
ENGINE SHUTS OFF DURING RIDING



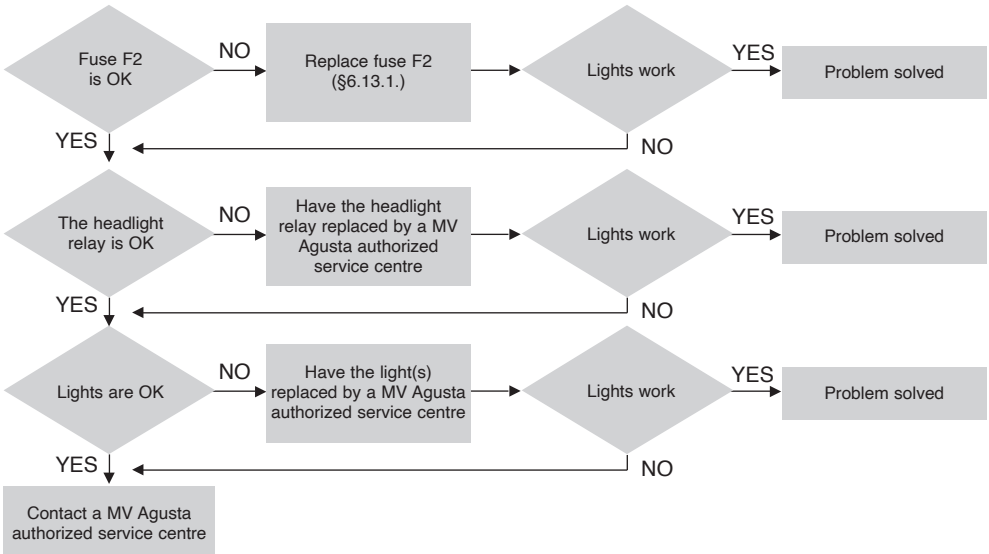
ENGINE OVERHEATS



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



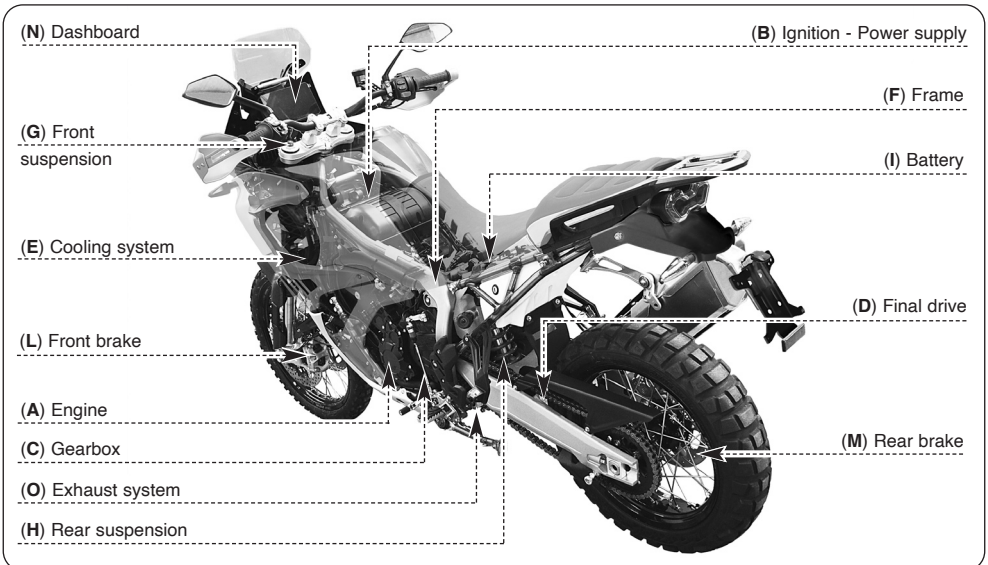
HORN DOES NOT WORK

Contact a MV Agusta authorized service centre

DASHBOARD DOES NOT WORK

Contact a MV Agusta authorized service centre

8.1. Motorcycle overview



A - Engine: four-stroke, inline three-cylinder. Double-overhead camshaft valve train. 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 steel side plates.

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

H - Rear suspension: progressive, with single shock absorber with external adjusting system.

I - Battery: sealed and maintenance-free.

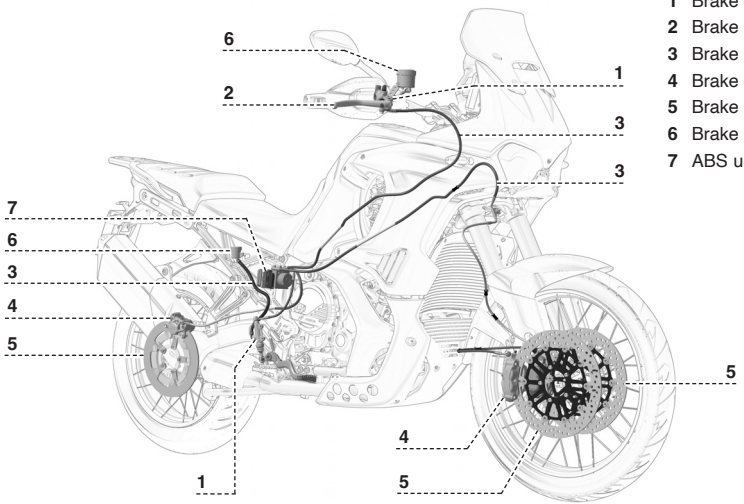
L - Front brake: dual semi-floating disc with four-piston calipers.

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

N - Instrument panel: with warning lights and digital instruments.

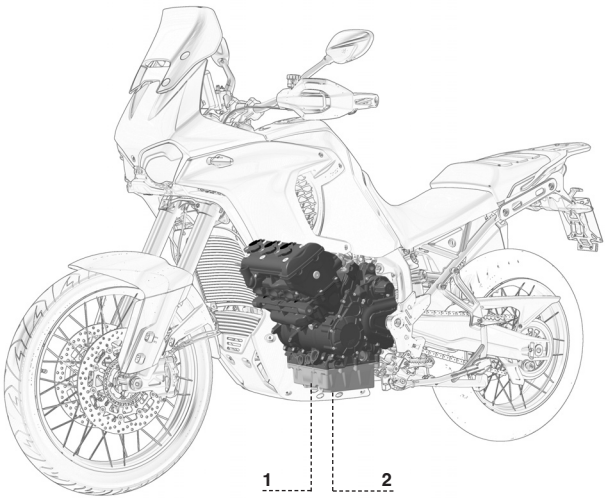
O - Exhaust system: equipped with catalytic converter for exhaust emission reduction.

8.1.1. Braking system (ABS)



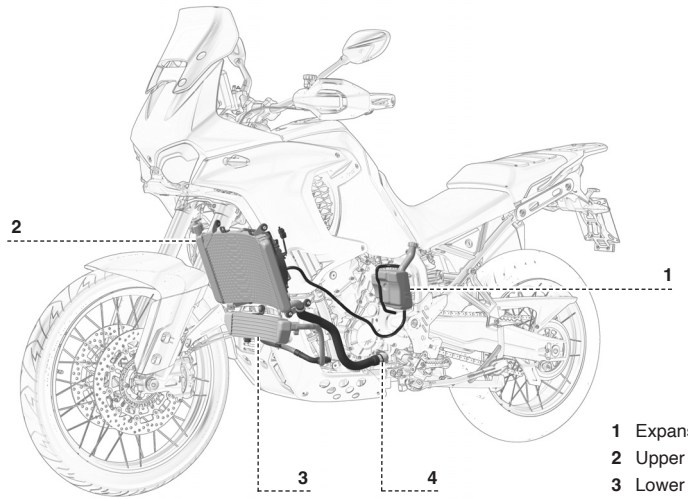
1 Brake master cylinder
2 Brake lever
3 Brake line
4 Brake caliper
5 Brake disc
6 Brake fluid reservoir
7 ABS unit

8.1.2. Engine lubrication



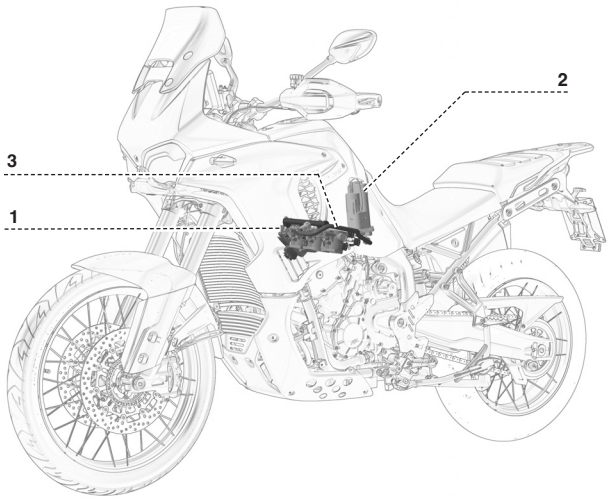
1 Oil sump
2 Oil filter

8.1.3. Coolant circuit



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

8.1.4. Fuel system



1 Throttle bodies
2 Fuel pump
3 Fuel line





8.2. Specifications

Description	MV Agusta Enduro Veloce	MV Agusta LXP Orioli
SPECIFICATIONS		
Wheelbase (mm) (*)	1610	1610
Overall length (mm) (*)	2360	2360
Max. width (mm)	980	980
Seat height (mm) (*)	865	865
Min. ground clearance (mm) (*)	240	240
Trail (mm) (*)	119	119

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

Specifications

Description	MV Agusta Enduro Veloce	MV Agusta LXP Orioli
Mass in running order (without fuel) (kg)	235	239,7
Fuel tank capacity (l) (*)	20	20
Reserve fuel (l) (*)	4,5	4,5
Oil in crankcase (l)	3,16	3,16
ENGINE		
Type	Three-cylinder, four-stroke, 12 valves	
Bore (mm)	81	81
Stroke (mm)	60,2	60,2
Total displacement (cm^3)	930,6	930,6
Compression ratio	13,4 : 1	13,4 : 1
Environmental standard	Euro 5	Euro 5
CO_2 emissions (g/km)	130	130
Fuel consumption (l/100 km)	5,6	5,6
Starting	Electric starter	
Cooling system	Cooling with separate liquid and oil radiators	
Head crankcase and cylinders	Chill-cast	Chill-cast
Engine covers	Die-cast	Die-cast
Valves	Steel	Steel

* : 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.

Specifications

Description	MV Agusta Enduro Veloce	MV Agusta LXP Orioli
VALVE TRAIN		
Type	Double overhead camshaft	
LUBRICATION		
Type	Wet sump	
IGNITION - POWER SUPPLY		
Type	Integrated ignition-injection system MVICS 2.2 with three injectors. Engine control unit Eldor NEMO 2.2; 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 of intervention.	
Spark plugs	NGK CR9 EIB-9	NGK CR9 EIB-9
Spark gap (mm)	0,8 ÷ 0,9	0,8 ÷ 0,9
CLUTCH		
Type	Hydraulic, multiple-disc in oil bath	
PRIMARY DRIVE		
Number of teeth on countershaft gear	Z = 21	Z = 21
Number of teeth on clutch gear	Z = 39	Z = 39
Transmission ratio	1.857	1.857
SECONDARY DRIVE		
Number of teeth on front sprocket	Z = 17	Z = 17
Number of teeth on rear sprocket	Z = 41	Z = 41
Transmission ratio	2.412	2.412

Specifications

Description	MV Agusta Enduro Veloce	MV Agusta LXP Orioli
TRANSMISSION		
Type	Removable, six-speed gearbox with constant-mesh gears	
Gear ratio (overall ratios)		
First gear	3.077 (13.781)	3.077 (13.781)
Second gear	2.188 (9.800)	2.188 (9.800)
Third gear	1.667 (7.466)	1.667 (7.466)
Fourth gear	1.380 (6.181)	1.380 (6.181)
Fifth gear	1.217 (5.451)	1.217 (5.451)
Sixth gear	1.074 (4.810)	1.074 (4.810)
FRAME		
Type	Steel tube frame	
Swingarm pivot plates	Steel	Steel
FRONT SUSPENSION		
Type	"Upside-down" telescopic hydraulic fork with external and separated adjustment of rebound and compression damping and of spring preload	"Upside-down" telescopic hydraulic fork with external and separated adjustment of rebound and compression damping and of spring preload
Rod diameter (mm)	48	48
Travel on leg axis (mm)	210	210

Specifications

Description	MV Agusta Enduro Veloce	MV Agusta LXP Orioli
REAR SUSPENSION		
Type	Progressive, single shock absorber with rebound and compression damping and spring preload adjustment	Progressive, single shock absorber with rebound and compression damping and spring preload adjustment
Swingarm	Aluminium alloy	Aluminium alloy
Wheel travel (mm)	213	213
FRONT BRAKE		
Type	Double floating disc with steel braking band and steel flange	
Disc diameter (mm)	320	
Calipers, piston diameters (mm)	Radial-type, with 4 pistons (Ø 30)	
REAR BRAKE		
Type	Single steel disc	
Disc diameter (mm)	267	
Caliper, piston diameter (mm)	2-piston (Ø 34)	
FRONT RIM		
Material	Aluminium alloy - Spoke wheel	Aluminium alloy - Spoke wheel
Dimensions	2,15” x 21”	2,15” x 21”
REAR RIM		
Material	Aluminium alloy - Spoke wheel	Aluminium alloy - Spoke wheel
Dimensions	4,00” x18”	4,00” x 18”

Specifications

Description	MV Agusta Enduro Veloce		MV Agusta LXP Orioli	
TYRES				
Front	90/90 ZR 21 (54V) TL			
Rear	150/70 ZR 18 (70W) TL			
Brand and type	BRIDGESTONE Battlax A41		BRIDGESTONE Battlax AX41	
Inflating pressure (*)	*Rider only*	*With passenger*	*Paved road*	*Dirt road*
Front	2.0 bar (29.0 psi)	2.8 bar (40.6 psi)	2.0 bar (29.0 psi)	1.7 bar (24.7 psi)
Rear	2.5 bar (36.3 psi)	2.6 bar (37.7 psi)	2.5 bar (36.3 psi)	2.0 bar (29.0 psi)
Brand and type (*as an alternative*)	BRIDGESTONE Battlax AX41		BRIDGESTONE Battlax A41	
Inflating pressure (*)	*Paved road*	*Dirt road*	*Rider only*	*With passenger*
Front	2.0 bar (29.0 psi)	1.7 bar (24.7 psi)	2.0 bar (29.0 psi)	2.8 bar (40.6 psi)
Rear	2.5 bar (36.3 psi)	2.0 bar (29.0 psi)	2.5 bar (36.3 psi)	2.6 bar (37.7 psi)
ELECTRICAL EQUIPMENT				
Equipment voltage	12V		12V	
Headlight	LED		LED	
Front turn indicator	LED		LED	
Rear turn indicator	LED		LED	
Tail light bulb	LED		LED	
Brake, rear light	LED		LED	

EN 8

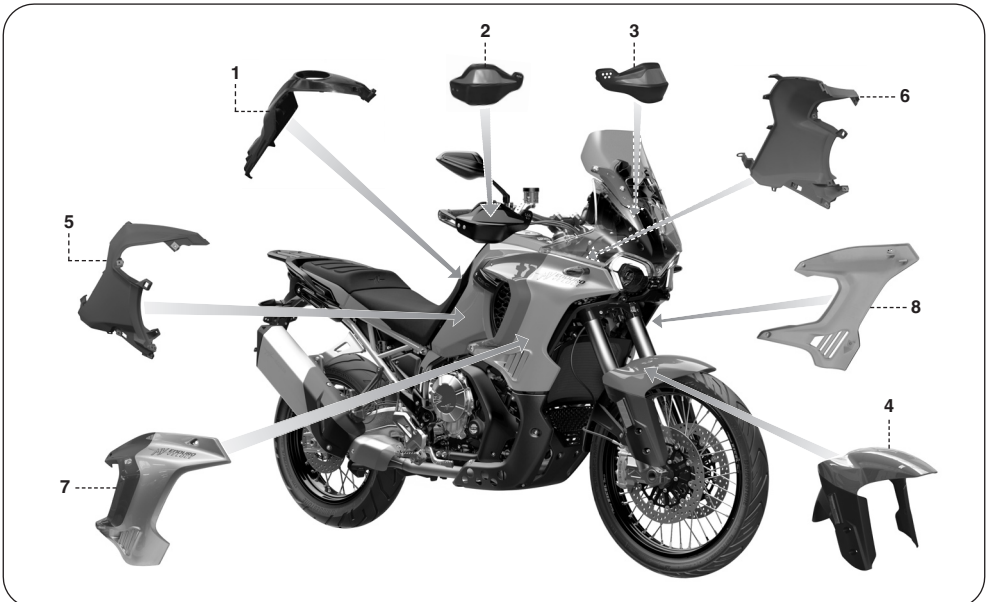
* : If you use tyres of a brand different from the ones recommended, refer to the inflating pressure values marked by the manufacturer on the tyre sidewall.

Specifications

Description	MV Agusta Enduro Veloce	MV Agusta LXP Orioli
USB service sockets	5V - 3A	5V - 3A
Alternator	450 W at 5000 rpm	
Battery	12V - 12.6 Ah	
BODYWORK		
Fuel tank cover	Thermoplastic material	Thermoplastic material
Side fairings	Thermoplastic material	Thermoplastic material
Front fairing	Thermoplastic material	Thermoplastic material
Rear fairings	Thermoplastic material	Thermoplastic material
Air-box	Thermoplastic material	Thermoplastic material
Front mudguard	Thermoplastic material	Thermoplastic material
Engine side covers	Thermoplastic material	Thermoplastic material
Engine lower covers	Aluminium	Aluminium
Chain guards	Thermoplastic material	Thermoplastic material
Rear exhaust pipe guard	Thermoplastic material	Thermoplastic material
Front exhaust pipe guard	Aluminium	Aluminium
Bulkhead under-seat	Thermoplastic material	Thermoplastic material
License-plate holder cover	Thermoplastic material	Thermoplastic material
Rear mudguard	Thermoplastic material	Thermoplastic material
Handguards	Thermoplastic material	Thermoplastic material

Specifications

Description	MV Agusta Enduro Veloce	MV Agusta LXP Orioli
EQUIPMENT		
Standard accessories	Bluetooth connection Central stand Integrated GPS Mobisat tracking device	Bluetooth connection Central stand Integrated GPS Mobisat tracking device Fog lights Crash-bar (Front frame) Special engine protection guard Special exhaust silencer Tarpaulin Side bags kit
Optional	Side bags kit Fog lights Crash-bar (Front frame) Special engine protection guard Heated grips TPMS valves	Heated grips TPMS valves


1
2
3
4
5
6
7
8

8.3. Bodywork parts reference colours (MV Agusta Enduro Veloce)

Bodywork parts are painted with the following reference colours:

1. - Fuel tank central cover:

Matt Metal Carbon Black
(Code Palinal 928.V311 + 923I2210)

2. - Right handguard cover;
3. - Left handguard cover:

Metal Carbon Black
(Code Palinal 928.V311)

4. - Front mudguard;
5. - Right side fuel tank cover;
6. - Left side fuel tank cover:

Pastel Red
(Code Palinal 926R750)

7. - Right side fairing;
8. - Left side fairing:

Pastel Red
(Code Palinal 926R750) +
Metal Silver
(Code Palinal 928XV025)


1
2
3
4
5
6
7
8
AGUSTA

8.4. Bodywork parts reference colours (MV Agusta LXP Orioli)

Bodywork parts are painted with the following reference colours:

1. - Fuel tank central cover:

Matt Metal Carbon Black
(Code Palinal 928.V311 + 923I2210)

2. - Right handguard cover;
3. - Left handguard cover;
4. - Front mudguard;
5. - Right side fuel tank cover;
6. - Left side fuel tank cover;
7. - Right side fairing;
8. - Left side fairing:

RC Pearly White
(Code Lechler L2902225)

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 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

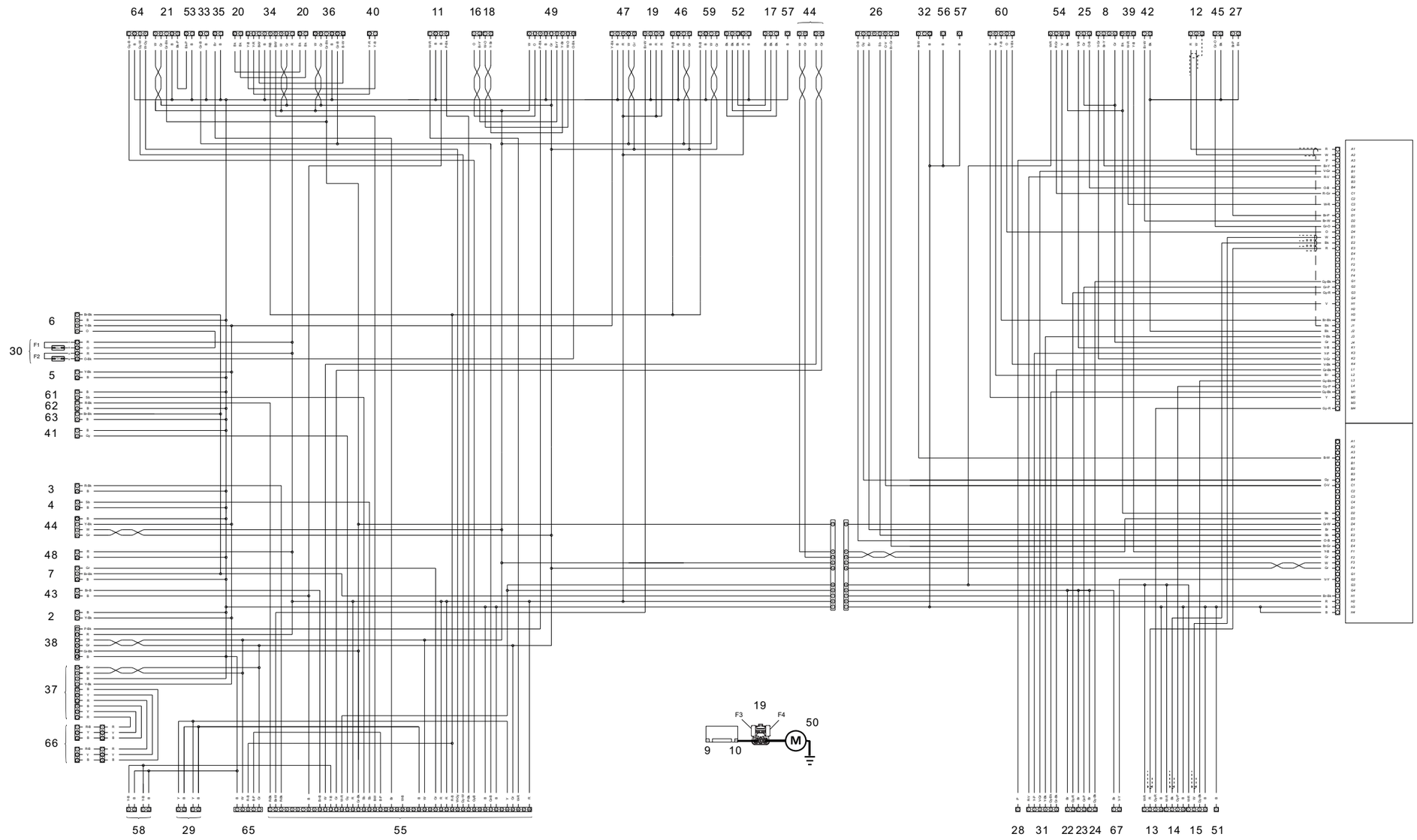
Everything we do affects the whole planet as well as its resources.
MV Agusta, in order to protect the interests of the community, awakens the Customers and the Technical Assistance operators to use the vehicle and dispose of its replaced parts respecting the laws in force concerning environmental pollution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

© 2024
This document may not, in whole or in part, be reproduced without prior consent, in writing, from MV Agusta

Part No. 8A00D4216
Edition No. 3 - December 2024

SCHEMA ELETTRICO LXP ORIOLI / ENDURO VELOCE MY24 (I)

Part. N. 8000D2234 Revisione 1



Legenda componenti	
Rif.	*Descrizione*
1	Centralina
2	Prese USB
3	Indicatore anteriore destro
4	Indicatore anteriore sinistro
5	Connessione utenze
6	Relé fanale anteriore
7	Fanale posteriore - Stop
8	Sensore marce
9-10	Batteria
11	Pompa-sonda carburante
12	Sensore giri motore
13-14-15	Bobine
16	Sensore velocità anteriore
17	Alternatore
18	Sensore velocità posteriore
19	Teleruttore
20	Antenna
21	Commutatore sinistro

Legenda componenti	
Rif.	*Descrizione*
22-23-24	Iniettori
25	Sensore Quick Shift
26	Potenziometro farfalla
27	Sensore temperatura acqua per centralina
28	Interruttore olio
29	Elettroventole
30	Fusibili
31	Modulo “Ride By Wire”
32	Interruttore stampella laterale
33	Interruttore freno anteriore
34	Interruttore chiave
35	Interruttore freno posteriore
36	Commutatore destro
37	Fanale anteriore
38	Cruscotto
39	Sensore pressione aria
40	Tappo serbatoio carburante

Legenda componenti	
Rif.	*Descrizione*
41	Avvisatore acustico
42	Sensore temperatura aria per motore
43	Sensore temperatura aria per cruscotto
44	Connettori diagnostica
45	Sensore temperatura acqua per ventola
46	Sensore di assetto
47	Connettore OBD II
48	Ricarica batteria
49	Modulo ABS
50	Motorino avviamento
51	Massa telaio
52	Regolatore di tensione
53	Interruttore frizione
54	Sonda lambda
55	MCU (Micro Controller Unit)

Legenda componenti	
Rif.	*Descrizione*
56	Massa serbatoio carburante
57	Massa motore
58	Manopole riscaldate
59	Modulo GPS
60	Attuatore valvola di scarico
61	Indicatore posteriore sinistro
62	Indicatore posteriore destro
63	Luce targa
64	Sensore sella
65	Connettore TPMS
66	Fendinebbia *(solo LXP Orioli)*
67	Connettore Canister

Legenda colori cavi	
Lettera/e	*Colore*
R	Rosso
Y	Giallo
B	Blu
Gr	Verde
W	Bianco
Bk	Nero
P	Rosa
V	Viola
Sb	Azzurro
Gy	Grigio
O	Arancio
Br	Marrone

Nei colori combinati è indicato il colore di fondo e la marcatura. Es.: Br/Bk.

Legenda fusibili		
Rif.	*Amperaggio (A)*	*Utilizzo*
F1	25	Modulo ABS
F2	15	Caricatore USB - Diagnostica - OBD II - Fanale anteriore - Presa di alimentazione
F3	30	Ricarica batteria
F4	30	Scorta per ricarica batteria

GB LXP MY24 ELECTRICAL DIAGRAM

Parts list		Parts list		Parts list		Parts list		Parts list	
Ref.	*Description*	*Ref.*	*Description*	*Ref.*	*Description*	*Ref.*	*Description*	*Ref.*	*Description*
1	Power unit	18	Rear speed sensor	33	Front brake switch	45	Water temperature sensor for fan	58	Heated handgrips
2	USB power plugs	19	Solenoid starter	34	Key switch	46	Lean angle sensor	59	GPS unit
3	Front turn indicator, right hand	20	Antenna	35	Rear brake switch	47	OBD II connector	60	Exhaust valve actuator
4	Front turn indicator, left hand	21	LH handlebar switches	36	RH handlebar switches	48	Battery recharge	61	Rear turn indicator, left hand
5	Utilities connection	22-23-24	Injectors	37	Headlight	49	ABS unit	62	Rear turn indicator, right hand
6	Headlight relay	25	Quick Shift sensor	38	Dashboard	50	Starter	63	License plate light
7	Brake light	26	Throttle potentiometer	39	Air pressure sensor	51	Frame ground	64	Saddle sensor
8	Gear sensor	27	Water temperature sensor for power unit	40	Fuel tank cap	52	Voltage regulator	65	TPMS connector
9-10	Battery			41	Horn	53	Clutch switch	66	Fog lights *(only for LXP Orioli)*
11	Fuel pump/Low fuel probe	28	Oil switch	42	Air temperature sensor for engine	54	Lambda sensor	67	Canister connector
12	Engine rpm sensor	29	Heater fans			55	MCU (Micro Controller Unit)		
13-14-15	Coils	30	Fuses	43	Air temperature sensor for dashboard	56	Fuel tank ground		
16	Front speed sensor	31	“Ride By Wire” Unit			57	Engine ground		
17	Alternator	32	Side stand switch	44	Diagnostic connectors				

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	25	ABS unit
F2	15	USB charger - Diagnostic - OBD II - Headlight - Power plug
F3	30	Battery recharge
F4	30	Battery recharge supply

F SCHÉMA ÉLECTRIQUE LXP MY24

Légende des composants		Légende des composants		Légende des composants		Légende des composants		Légende des composants	
Réf.	*Description*	*Réf.*	*Description*	*Réf.*	*Description*	*Réf.*	*Description*	*Réf.*	*Description*
1	Boîtier d’allumage	18	Capteur de vitesse arrière	33	Contacteur de stop avant	44	Connecteurs de diagnostic	57	Masse moteur
2	Fiches d'alimentation USB	19	Télérupteur	34	Contacteur principal à clé	45	Capteur température d’eau pour ventilateur	58	Poignées chauffantes
3	Clignotant D. avant	20	Antenne	35	Contacteur de stop arrière			59	Module GPS
4	Clignotant G. avant	21	Commutateur G.	36	Commutateur D.	46	Capteur d’inclinaison	60	Actuateur soupape d’echappement
5	Connecteur des services	22-23-24	Injecteurs	37	Feux avant	47	Connecteur OBD II		
6	Relais des feux avant	25	Capteur “Quick Shift”	38	Tableau de bord	48	Charge batterie	61	Clignotant G. arrière
7	Feu arrière “Stop”	26	Potentiomètre papillon	39	Capteur pour pression air	49	Module ABS	62	Clignotant D. arrière
8	Capteur boîte de vitesse	27	Capteur de température d’eau pour boîtier	40	Bouchon du réservoir de carburant	50	Démarreur électrique	63	Éclaireur de la plaque d'immatriculation
9-10	Batterie					51	Masse châssis		
11	Pompe/Sonde carburant	28	Manocontact d’huile	41	Avertisseur sonore	52	Régulateur de tension	64	Capteur de selle
12	Capteur compte tours	29	Electroventilateur	42	Capteur de température d’air pour moteur	53	Contacteur embrayage	65	Connecteur TPMS
13-14-15	Bobines	30	Fusibles			54	Sonde Lambda	66	Feux de brouillard *(seulement pour LXP Orioli)*
16	Capteur de vitesse avant	31	Commande “Ride By Wire”	43	Capteur de température d’air pour tableau de bord	55	MCU (Micro Controller Unit)		
17	Alternateur	32	Contacteur de béquille latérale			56	Masse réservoir de carburant	67	Connecteur du canister

Légende couleur des câbles	
Lettre(s)	*Couleur*
R	Rouge
Y	Jaune
B	Bleu
Gr	Vert
W	Blanc
Bk	Noir
P	Rose
V	Violet
Sb	Bleu ciel
Gy	Gris
O	Orange
Br	Marron

Pour les couleurs combinés, la couleur de fond et le marquage sont indiqués. Par ex. Br/Bk.

Légende des fusibles		
Réf.	*Ampérage (A)*	*Emploi*
F1	25	Module ABS
F2	15	Chargeur USB - Diagnostic - OBD II - Feux avant - Fiche d'alimentation
F3	30	Charge batterie
F4	30	Réserve recharge batterie

D ELEKTRISCHER SCHALTPLAN LXP MY24

Zeichenerklärung Bauteile		Zeichenerklärung Bauteile		Zeichenerklärung Bauteile		Zeichenerklärung Bauteile		Zeichenerklärung Bauteile	
Nr.	*Beschreibung*	*Nr.*	*Beschreibung*	*Nr.*	*Beschreibung*	*Nr.*	*Beschreibung*	*Nr.*	*Beschreibung*
1	Zündbox	18	Hinterer Geschwindigkeitssensor	33	Vorderer Bremslichtschalter	45	Wassertemperaturfühler für Gebläse	58	Beheizte Handgriff
2	Netzstecker USB	19	Fernrelais	34	Zündschloß	46	Neigung-Sensor	59	GPS-Einheit
3	Vordere rechter Blinker	20	Antenne	35	Hinterer Bremslichtschalter	47	OBD II-Anschluss	60	Trieb Auslassventil
4	Vordere linker Blinker	21	Linker Wechselschalter	36	Rechter Wechselschalter	48	Batterieladung	61	Hintere linker Blinker
5	Benutzeranschluss	22-23-24	Einspritzdüsen	37	Vorderer Scheinwerfer	49	ABS-Einheit	62	Hintere rechter Blinker
6	Scheinwerferrelais	25	“Quick Shift”-Sensor	38	Armaturenbrett	50	Anlassermotor	63	Nummernschildbeleuchtung
7	Rücklicht - Bremslicht	26	Potentiometer Drosselventil	39	Drucksensor von Luft	51	Masse Rahmen	64	Sitz-Sensor
8	Antrieb-Sensor	27	Wassertemperaturfühler für Kontrollbox	40	Tankdeckel	52	Spannungs-Regler	65	TPMS-Anschluss
9-10	Batterie			41	Hupe	53	Kupplungs-Schalter	66	Nebellichter *(nur für LXP Orioli)*
11	Benzinpumpe/Benzinstandgeber	28	Öldruckschalter	42	Lufttemperatursensor für Motor	54	Lambdasonde	67	Kanisteranschluss
12	Sensor Motordrehzahl	29	Gebläse			55	MCU (Micro Controller Unit)		
13-14-15	Spulen	30	Sicherungen	43	Lufttemperatursensor für Armaturenbrett	56	Masse des Kraftstofftanks		
16	Vorderer Geschwindigkeitssensor	31	Antrieb “Ride By Wire”			57	Masse Motor		
17	Lichtmaschine	32	Schalter Seitenständer	44	Diagnoseanschlüsse				

Zeichenerklärung Kabelfarben	
Buchstabe(n)	*Farbe*
R	Rot
Y	Gelb
B	Blau
Gr	Grün
W	Weiß
Bk	Schwarz
P	Rose
V	Violett
Sb	Hellblau
Gy	Grau
O	Orange
Br	Braun

Bei Farbkombinationen wird die Grundfarbe und die Markierung angegeben. Z. B. Br/Bk.

Zeichenerklärung Sicherungen		
Nr.	*Amperezahl (A)*	*Einsatz*
F1	25	ABS-Einheit
F2	15	USB-Ladegerät - Diagnose - OBD II - Vorderer Scheinwerfer - Netzstecker
F3	30	Batterieladung
F4	30	Ersatz für Batterieladung

E ESQUEMA ELÉCTRICO LXP MY24

Leyenda Componentes		Leyenda Componentes		Leyenda Componentes		Leyenda Componentes		Leyenda Componentes	
Ref.	*Descripción*	*Ref.*	*Descripción*	*Ref.*	*Descripción*	*Ref.*	*Descripción*	*Ref.*	*Descripción*
1	Central	18	Sensor velocidad trasero	33	Interruptor stop delantero	44	Conectores de diagnóstico	57	Masa motor
2	Enchufe de alimentación USB	19	Teleruptor	34	Interruptor llave	45	Sensor temperatura agua para ventilador	58	Empuñaduras calefactables
3	Indicador delantero derecho	20	Antena	35	Interruptor stop trasero			59	Módulo GPS
4	Indicador delantero izquierdo	21	Conmutador izquierdo	36	Conmutador derecho	46	Sensor de inclinación	60	Accionador válvula de escape
5	Conexión de servicio	22-23-24	Inyectores	37	Faro delantero	47	Conector OBD II	61	Indicador trasero izquierdo
6	Relé del faro delantero	25	Sensor Quick Shift	38	Cuadro mandos	48	Recarga batería	62	Indicador trasero derecho
7	Faro trasero - Stop	26	Potenciómetro mariposa	39	Sensor presión aire	49	Módulo ABS	63	Luz de la placa matrícula
8	Sensor cambio	27	Sensor temperatura agua para central	40	Tapón del depósito de combustible	50	Motor de arranque	64	Sensor del asiento
9-10	Batería					51	Masa bastidor	65	Conector TPMS
11	Bomba/Sonda gasolina	28	Interruptor aceite	41	Claxon	52	Regolador de tensión	66	Faros antiniebla *(solo para LXP Orioli)*
12	Sensor revoluciones motor	29	Electroventiladores	42	Sensor temperatura aire para motor	53	Interruptor embrague		
13-14-15	Bobinas	30	Fusibles			54	Sonda Lambda	67	Conector Canister
16	Sensor velocidad delantero	31	Sistema “Ride By Wire”	43	Sensor temperatura aire para cuadro mandos	55	MCU (Micro Controller Unit)		
17	Alternador	32	Interruptor pata lateral			56	Masa depósito de combustible		

Leyenda colores cables	
Letra/s	*Color*
R	Rojo
Y	Amarillo
B	Azul marino
Gr	Verde
W	Blanco
Bk	Negro
P	Rosa
V	Violeta
Sb	Azul
Gy	Gris
O	Naranja
Br	Marrón

En los colores combinados se indica el color de fondo y la marcación Ej. Br/Bk.

Leyenda fusibles		
Ref.	*Amperaje (A)*	*Utilización*
F1	25	Módulo ABS
F2	15	Cargador USB - Diagnóstico - OBD II - Faro delantero - Enchufe de alimentación
F3	30	Recarga batería
F4	30	Repuesto recarga batería

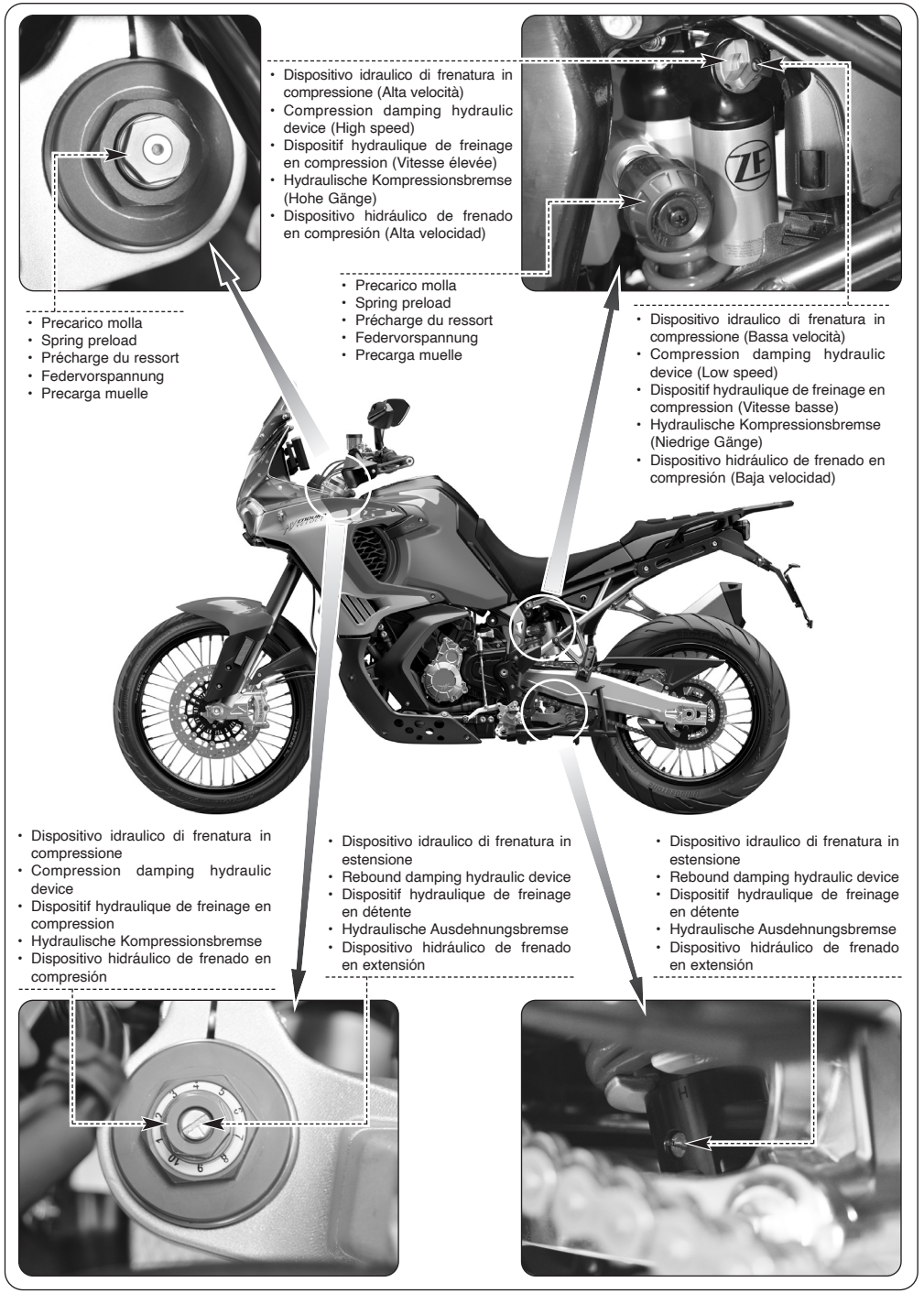


MV Agusta LXP Orioli MY24

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

Sospensione anteriore *Front suspension Suspension avant Vordere Federung Suspensión delantera*	***Su strada*** *- On road - Sur route - Auf Straße - En la carretera*			***Fuori strada (Solo pilota)*** *Off-road (Rider only) Sur chemin de terre (Seulement pilote) Im Gelände (Nur Fahrer) Todoterreno (Sólo piloto)*
	Solo pilota *Rider only Avec pilote Nur Fahrer Sólo piloto*	***Con passeggero o con borse*** *With passenger or with bags Avec passager ou avec boîtes Mit Beifahrer oder mit Koffer Con pasajero o con maletas*	***Con passeggero e borse*** *With passenger and bags Avec passager et boîtes Mit Beifahrer und Koffer Con pasajero y maletas*	
Precarico molla Spring preload Précharge du ressort Federvorspannung Precarga muelle	4 giri turns tours Drehzahlen revoluciones	4 giri turns tours Drehzahlen revoluciones	4 giri turns tours Drehzahlen revoluciones	8 giri turns tours Drehzahlen revoluciones
Freno in estensione Rebound damping Frein en détente Ausdehnungsbremse Freno en extensión	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 3	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 3	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 3	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 6
Freno in compressione Compression damping Frein en compression Kompressionsbremse Freno en compresión	6 giri turns tours Drehzahlen revoluciones	6 giri turns tours Drehzahlen revoluciones	6 giri turns tours Drehzahlen revoluciones	8 giri turns tours Drehzahlen revoluciones

Sospensione posteriore *Rear suspension Suspension arrière Hintere Federung Suspensión trasera*	***Su strada*** *- On road - Sur route - Auf Straße - En la carretera*			***Fuori strada (Solo pilota)*** *Off-road (Rider only) Sur chemin de terre (Seulement pilote) Im Gelände (Nur Fahrer) Todoterreno (Sólo piloto)*
	Solo pilota *Rider only Avec pilote Nur Fahrer Sólo piloto*	***Con passeggero o con borse*** *With passenger or with bags Avec passager ou avec boîtes Mit Beifahrer oder mit Koffer Con pasajero o con maletas*	***Con passeggero e borse*** *With passenger and bags Avec passager et boîtes Mit Beifahrer und Koffer Con pasajero y maletas*	
Precarico molla Spring preload Précharge du ressort Federvorspannung Precarga muelle	0 giri turns tours Drehzahlen revoluciones	22 giri turns tours Drehzahlen revoluciones	30 giri turns tours Drehzahlen revoluciones	8 giri turns tours Drehzahlen revoluciones
Frenatura in estensione Rebound damping Freinage en détente Ausdehnungsbremse Frenado en extensión	1 giro turn tour Drehzahl revolución	1 giro turn tour Drehzahl revolución	1 giro turn tour Drehzahl revolución	0,75 giri turns tours Drehzahlen revoluciones
Frenatura in compressione Compression damping Freinage en compression Kompressionsbremse Frenado en compresión — ***Alta velocità*** *High speed Vitesse élevée Hohe Gänge Alta velocidad*	20 scatti clicks emboîtements Rasten disparos	20 scatti clicks emboîtements Rasten disparos	20 scatti clicks emboîtements Rasten disparos	3 scatti clicks emboîtements Rasten disparos
Frenatura in compressione Compression damping Freinage en compression Kompressionsbremse Frenado en compresión — ***Bassa velocità*** *Low speed Vitesse basse Niedrige Gänge Baja velocidad*	18 scatti clicks emboîtements Rasten disparos	18 scatti clicks emboîtements Rasten disparos	18 scatti clicks emboîtements Rasten disparos	8 scatti clicks emboîtements Rasten disparos



MV Agusta Enduro Veloce MY24

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

Sospensione anteriore *Front suspension* *Suspension avant* *Vordere Federung* *Suspensión delantera*	***Su strada** - On road - Sur route - Auf Straße - En la carretera*			***Fuori strada (Solo pilota)*** *Off-road (Rider only)* *Sur chemin de terre (Seulement pilote)* *Im Gelände (Nur Fahrer)* *Todoterreno (Sólo piloto)*	
	Solo pilota *Rider only* *Avec pilote* *Nur Fahrer* *Sólo piloto*	***Con passeggero o con borse*** *With passenger or with bags* *Avec passager ou avec boîtes* *Mit Beifahrer oder mit Koffer* *Con pasajero o con maletas*	***Con passeggero e borse*** *With passenger and bags* *Avec passager et boîtes* *Mit Beifahrer und Koffer* *Con pasajero y maletas*	***Enduro***	***Gravel***
Precarico molla Spring preload Précharge du ressort Federvorspannung Precarga muelle	2,5 giri turns tours Drehzahlen revoluciones	2,5 giri turns tours Drehzahlen revoluciones	2,5 giri turns tours Drehzahlen revoluciones	8 giri turns tours Drehzahlen revoluciones	4 giri turns tours Drehzahlen revoluciones
Freno in estensione Rebound damping Frein en détente Ausdehnungsbremse Freno en extensión	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 2	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 2	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 2	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 6	Tacca n° Notch no. Encoche n° Kerbe Nr. Muesca N. 1
Freno in compressione Compression damping Frein en compression Kompressionsbremse Freno en compresión	3,5 giri turns tours Drehzahlen revoluciones	3,5 giri turns tours Drehzahlen revoluciones	3,5 giri turns tours Drehzahlen revoluciones	8 giri turns tours Drehzahlen revoluciones	1 giro turn tour Drehzahl revolución

Sospensione posteriore *Rear suspension* *Suspension arrière* *Hintere Federung* *Suspensión trasera*		***Su strada** - On road - Sur route - Auf Straße - En la carretera*			***Fuori strada (Solo pilota)*** *Off-road (Rider only)* *Sur chemin de terre (Seulement pilote)* *Im Gelände (Nur Fahrer)* *Todoterreno (Sólo piloto)*	
		Solo pilota *Rider only* *Avec pilote* *Nur Fahrer* *Sólo piloto*	***Con passeggero o con borse*** *With passenger or with bags* *Avec passager ou avec boîtes* *Mit Beifahrer oder mit Koffer* *Con pasajero o con maletas*	***Con passeggero e borse*** *With passenger and bags* *Avec passager et boîtes* *Mit Beifahrer und Koffer* *Con pasajero y maletas*	***Enduro***	***Gravel***
Precarico molla Spring preload Précharge du ressort Federvorspannung Precarga muelle		0 giri turns tours Drehzahlen revoluciones	22 giri turns tours Drehzahlen revoluciones	30 giri turns tours Drehzahlen revoluciones	8 giri turns tours Drehzahlen revoluciones	0 giri turns tours Drehzahlen revoluciones
Frenatura in estensione Rebound damping Freinage en détente Ausdehnungsbremse Frenado en extensión		1 giro turn tour Drehzahl revolución	1 giro turn tour Drehzahl revolución	1 giro turn tour Drehzahl revolución	0,75 giri turns tours Drehzahlen revoluciones	1,5 giri turns tours Drehzahlen revoluciones
Frenatura in compressione Compression damping Freinage en compression Kompressionsbremse Frenado en compresión	***Alta velocità*** *High speed* *Vitesse élevée* *Hohe Gänge* *Alta velocidad*	21 scatti clicks emboîtements Rasten disparos	21 scatti clicks emboîtements Rasten disparos	21 scatti clicks emboîtements Rasten disparos	3 scatti clicks emboîtements Rasten disparos	24 scatti clicks emboîtements Rasten disparos
	Bassa velocità *Low speed* *Vitesse basse* *Niedrige Gänge* *Baja velocidad*	18 scatti clicks emboîtements Rasten disparos	18 scatti clicks emboîtements Rasten disparos	18 scatti clicks emboîtements Rasten disparos	8 scatti clicks emboîtements Rasten disparos	28 scatti clicks emboîtements Rasten disparos

Part no. 8A00D4216 - Ed. no.3



MV Agusta Motorcycles GmbH - Stallhofnerstrasse 3 - 5230 Mattighofen, Austria - www.mvagusta.com