



OWNER'S MANUAL

Benelux

Owner's Manual



since 1911

THE 1130 K

THE 1130 K
AMAZONAS



THE 1130 K

since 1911

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Hearty welcome among Benelli fans!

Please accept our best compliments for choosing our Benelli motorcycle.

We think you will ride your Benelli motorcycle for long journeys as well as short daily trips.

Benelli Q.J. s.r.l. wishes you smooth and enjoyable riding.

We are steadily doing our best to improve our "Technical Assistance" service.

For this reason, we recommend you to strictly follow the indications given in this manual, especially for motorcycle running-in.

In this way, your Benelli motorbike will surely give you unforgettable emotions.

For any servicing or suggestions you might need, please contact our authorized service centres.

Enjoy your ride!



CAUTION

Benelli Q.J. s.r.l. declines any responsibility whatsoever for any mistakes incurred in drawing up this manual. The information contained herein is valid at the time of going to print. Benelli Q.J. s.r.l. reserves the right to make any changes required by the future development of the above-mentioned products.

For your safety, as well as to preserve the warranty, reliability and worth of your motorcycle, please use original Benelli spare parts only.



WARNING

This manual forms an integral part of the motorcycle and if a transfer of title occurs must always be handed over to the new owner.





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1 General information

Dear Customer,

We invite you to read this Owner's Manual before using your new BENELLI TRE 1130 K.

It contains important information for a safe use of the vehicle and keeping it in perfect working conditions. Keep it by putting it in the special papers-case compartment.

We remind you, however, that BENELLI TRE 1130 K is a high performance vehicle that needs to be ridden cautiously.

You should refrain from driving the vehicle out of bounds, if you are not sure of your ability in managing it; however, when you ride on public street, you have to scrupulously observe the Highway Code.

Always remember to use a homologated helmet, of your size, and always correctly laced up. We recommend you always to wear an appropriate protective wear.





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1.1 Warranty

In your own interest, and in order to guarantee product reliability, you are strongly advised to refer to our Benelli Dealer or Benelli Authorized Workshop for any servicing requiring particular technical expertise.

Our highly skilled staff have access to the implements required to perform any service job in compliance the highest professional standards, using Benelli original spare parts only as the best guarantee for full interchangeability, smooth running and long life.

All Benelli motorcycles come with a "Warranty Card".

However, warranty does not apply to the motorcycles used in competitions.

No motorcycle part may be tampered with, altered, or replaced with parts other than original Benelli spare parts during the warranty period, or the warranty right will be automatically invalidated.





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1.2 Symbols

In order to make more simple and readibly for the most important information, we have used the following symbols:



DANGER - Failure to follow DANGER instructions could result in severe injury or death to the motorcycle operetor, a bystander, or a person checking or repairing the motorcycle.



WARNING - Indicates special precautions that must be taken to avoid damage to the motorcycle.



CAUTION - Reminds you a safety practice you better follow or an unsafety activity you better avoid if you don't want to risk undergoing personal injuries or to damage your vehicle.

Benelli Q.J. reserves the right to make any changes, whenever deemed, to its products and to this manual. Wherever you find any dissimilarity between what is written on this Owner's Manual and the specific fitting-out of your vehicle, don't hesitate to download from the web site **www.benelli.com** the updated version of the Owner's Manual, or contact the Customer Service Benelli calling +39 0721.418740, which will arrange to send to you the updated version.





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1.3 Identification data

All Benelli motorcycles have identification numbers:

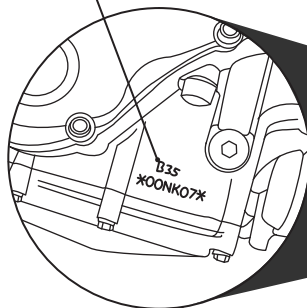
- 1) Vehicle identification number
- 2) Engine serial number
- 3) Homologation data

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

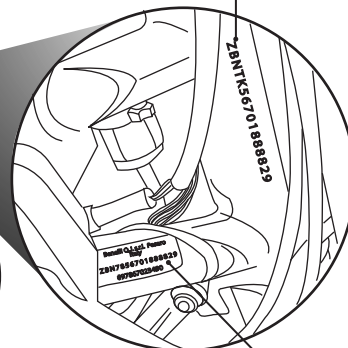
Frame No.
Engine No.
Colour Code
Key No.

ZBN TK _____
B35 _____

2) Engine serial number



1) Vehicle identification number



3) Homologation data





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Identification motorcycle

The motorcycle is identified by the matriculation frame number.

Motorcycle key identification

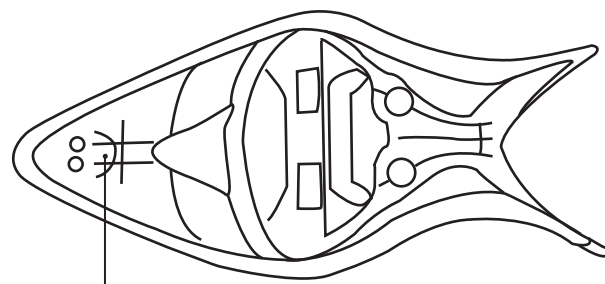
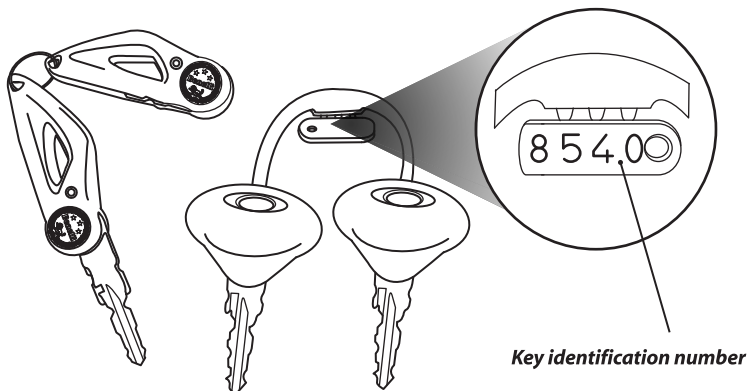
The key, supplied in four copies, can be used both for starting the motorcycle and for operating all the locks. Keep the key copies in a safe place. Knowing the key identification number is essential in case you need to ask for a duplicate of the key.

Identification of motorcycle colour combination

The colour code must be mentioned when order body spares. This code can be read on the labels placed under the saddle.

Colour reference

When order spare parts, depending on the ordered parts, it might be necessary to specify engine serial number, colour code and key identification number, apart from frame serial number.





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2 Safety information

2.1 Safety

2.1.1 Motorcycle modification and trim personalization

DANGER



It is strictly forbidden to intervene on the vehicle by modifying the mechanical components or by replacing them with non genuine spare parts.

All this activities make the vehicle homologation forfeit rendering it unusable for public street use, and can also cause serious damages for the user and for the vehicle itself.

Benelli Q.J. is not responsible for any damage to persons or things caused by any modifications of the motorcycle original conditions.

WARNING



It is possible to personalize the suspension of BENELLI TRE 1130 K trim by working on the special adjustments this activity is absolutely unwary unless the user is absolutely confident of his technical ability.

The trim adjustment can compromise the motorcycle safe use and, therefore, it has to be done only by expert persons. Wherever you want to personalize the motorcycle trim in relation to your personal requirements, we suggest you to apply to a Benelli Authorized Workshop. You can find the Authorized Workshop list on Benelli web site www.benelli.com or calling the Benelli Customer Service dialling +39 0721.418740.





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2.1.2 General safety regulations

Before you start riding make sure you keep in mind the controls, characteristics, working and limits of the motorcycle. In order to guarantee the vehicle maximum efficiency and reliability it is essential that our Benelli Authorized Workshop does all the maintenance operations written on the "Maintenance" section of this Owner's Manual, following carefully all the directions and suggestions.

We advise you against having the maintenance operations and the repairs done by persons or workshop that don't belong to the Benelli Authorized Workshop net.

Especially we advise you against doing on your own the maintenance operations and the repairs on your BENELLI TRE 1130 K!

For any necessity or further information, don't hesitate to apply to your Benelli Distributor or to the nearest Benelli Authorized Workshop.

*You can find the Benelli Distributor and the Benelli Authorized Workshop list on the web site **www.benelli.com** or calling the Benelli Customer Service dialling +39 0721.418740.*

The full control of this motorcycle is basic for a safe riding. Therefore it is necessary to start riding with a good concentration and in perfect physical conditions, apart from always assessing the street and atmospheric conditions. In order to avoid compromising handling and stability of your motorcycle, you should obey the following warnings:

- *do not attach any object to the vehicle;*
- *do not hook a sidecar, a tow or any other accessory to the motorcycle;*
- *do not remove any part and/or component;*
- *do not modify the vehicle in any way;*
- *do not wear garments that could adversely affect control and handling of the motorcycle.*





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Do not ride this motorcycle if you do not possess the regular driving licence. Failure to heed this warning constitutes a breach of the Highway Code, besides poses a serious hazard to the driver's and other people's safety.

Always wear a helmet, even on short rides.

Always wear suitable clothes, especially when travelling at night (e.g. garments with fluorescent bands).

When refuelling, switch off the engine and refrain from smoking.

Do not start the engine in closed places. Exhaust gases are toxic and can quickly saturate the air and cause fainting or even death. While riding, always keep both hands on the handlebars. Park the vehicle where it is unlikely to be bumped into or damaged. Even slight or involuntary bumps can cause the vehicle to topple over, with subsequent risk of serious harm to people or children. To prevent the vehicle from tipping over, never park it on soft or uneven ground, nor on asphalt strongly heated by the sun.

Do not cover your motorcycle with a canvas soon afterwards riding. Before covering your motorcycle, wait until the engine and the exhaust pipes have thoroughly cooled.

If your motorcycle has been involved in an accident, check all levers, wires, hoses, brake calipers and other main parts for damage. Do not use the vehicle if you detect a damage that could adversely affect safety.

As soon as possible and, however, before using your motorcycle after an accident, even if there are not any visible damages, it is necessary to have it inspected by a Benelli Authorized Workshop, in order to verify the absence of defects and/or damages that the owner could not be able to detect.





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2.1.3 Vehicle load

The vehicle is designed for use by the rider with a passenger. To drive safely and under the highway code, never exceed the maximum allowed total gross weight of 440 kg (970.03 Lbs).

That is the sum of the motorcycle, driver, passenger and load weight, according to the EEC 92/61 directive.

DANGER

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. Check that the total of driver and passenger weight, the burden weight and the vehicle gross weight NEVER exceed the granted values. Never carry any incorrectly fastened object on your motorcycle, because it could move from its position during riding. Steadily fasten the heaviest objects near the center of the motorcycle, and equally divide the load on both sides of the vehicle.

Do not insert any object in the spaces on the frame trellis, in order to avoid interfering with the movable parts of the motorcycle.

Before riding, always check the wear and the pressure of the tyres. Adjust the suspensions according to the load.

Even if the motorcycle is correctly loaded, drive with caution and never exceed the speed limits imposed by the Highway Code when you carry a load.





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Information on carrying capacity

The total weight of the motorcycle in running order including rider, passenger, luggage and additional accessories should not exceed 440 kg (970.03 Lbs).

The total weight of luggage must never exceed 25 kg (110.23 Lbs), divided as follows:

max 10 kg (44.09 Lbs) per pannier;

max 5 kg (22.04 Lbs) in the tank bag.

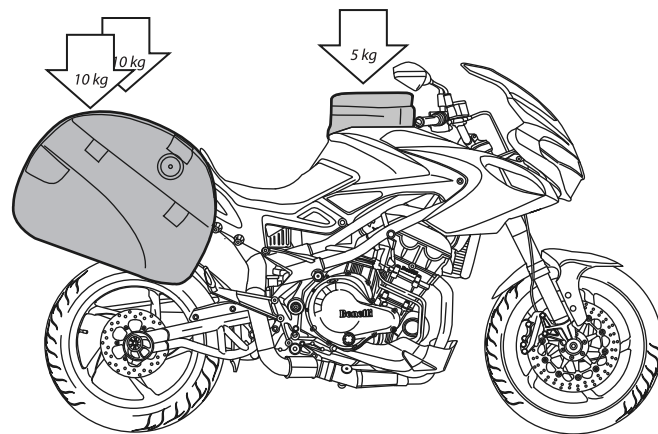
Arrange your luggage or heavy accessories in the lowest possible position and close to motorcycle centre.

Be sure to secure the luggage to the supports provided on the motorcycle as firmly as possible. Improperly secured luggage may affect stability.

Never fix bulky or heavy objects to the handlebar or to the front mud guard as this would affect stability and cause danger.

Do not insert any objects you may need to carry into the gaps of the frame as these may foul moving parts.

When fitting panniers (available from the Benelli spare parts service) arrange personal effects and accessories according to weight and distribute them evenly in both panniers; lock the panniers with the key provided.





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2.1.4 Use of the vehicle in competitions

Your BENELLI TRE 1130 K was projected for road use.

However, making some modifications, considering the high performances that the motorcycle can reach, it is possible to use it also in competitions.

However, you need to remember that once you transform the motorcycle for competitions use, it is no more suitable for street traffic unless it is brought to its original conditions.

To meet the passionate drivers numerous requests, Benelli has designed a number of special components for use in competitions and/or sporting events.

The use of such components is strictly limited to areas closed to traffic.

Failure to observe this restriction constitutes a breach of the Highway Code for which **Benelli Q.J.** cannot be held responsible.

For more information about **Benelli** special components, visit the web site **www.benelli.com** or calling the Benelli Customer Service dialling +39 0721.418740.



DANGER

Riding the vehicle in competitions requires considerable skill and experience as well as an accurate setup of the motorcycle which was to be made only by particularly prepared persons.





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2.1.5 **Advices for safe riding**

Besides being a means of transport, your motorcycle is a source of recreation and excitement (and this is true, especially, when we talk about a BENELLI TRE 1130 K!).

However the nature itself of the vehicle involves, a certain amount of risk.

To ensure maximum safety, in addition to scrupulously observing the warnings and instructions provided in the previous paragraphs, it is essential to take a few additional precautions. In particular:

Before starting off

Follow all the directions given in the section "Pre-Riding Checks".

Conduct an overall check of all safety-related aspects of the motorcycle.

Familiarizing with the vehicle

The rider's ability and his mechanical skills form the basis of riding safety.

It is advisable to practise riding in areas without traffic until you have become familiar with the vehicle and its controls.

Being aware of one's limits

When riding, never exceed your limits nor those imposed by law. Being aware of your limits and acting accordingly will help you avoid accidents.

Adverse weather conditions

Be very careful when riding in adverse weather conditions. On wet roads, for example, the braking distance increases as a result of reducing tyre traction. It is therefore necessary to travel at moderate speed and avoid abrupt braking and acceleration. Pay particular attention when riding on slippery surfaces such as road markings, manholes, level





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crossings, bridges, gratings, etc.

Considering that a motorcycle cannot provide the same degree of shock protection as a motor vehicle, it is essential to adopt a "defensive" riding attitude, particularly in the adverse weather conditions described above.

When riding down long hills, reduce the speed of your motorcycle by closing the throttle and using a low gear ratio to take advantage of engine braking.

Use the front and rear brakes as little as possible to maintain your speed, in order to prevent brake overheating and fade. Special attention should be given to the braking system, which plays a key role in ensuring safety.

When braking, always take account of the speed of the vehicle and the condition of the road surface.

The braking action should always be applied gently and gradually to both wheels. Performing this operation and, more in general, riding the vehicle always require the utmost care. Therefore, caution should be exercised by all users, and in particular by inexperienced riders. When you make a turn, avoid sudden braking.

Failure to observe this warning could lead to the sliding of the wheels and the loss of control of the vehicle.

Always operate the brakes before starting a turn.

When you are laterally blown by a sudden gust of wind (as it may happen when you're overtaken by a vehicle of great dimensions, when you come out of a tunnel or when you're driving in a hilly zone), you could lose control of the vehicle. While driving under the above mentioned conditions, reduce your speed and be careful to avoid sideways gusts of wind.

Maintain a safe distance behind vehicles in front of you and adjust your speed to the weather and traffic conditions. Remember that, as your bike picks up speed, stopping distances increase and the motorcycle becomes more difficult to control.

In any case, never exceed the speed limits imposed by the Highway Code.

It is strictly forbidden to drink alcoholic beverages or take drugs before riding. Even very small amounts of these substances adversely affect the rider's ability to control the vehicle.





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Helmet

Wearing the helmet when you ride a motorcycle in many countries, including Italy, is compulsory. However, wherever this obligation doesn't exist, it is absolutely advisable to wear a helmet, taking care of choosing a homologated and of the right size one.

If the helmet has no visor, take care of wearing appropriate protective glasses during your riding.

The helmet has to be always laced up.

If you carry a passenger, you better make sure that he wears correctly a homologated helmet.

Never wear light helmet DGM.





2.1.6 Protective clothing

Always wear suitable protective clothing.

In particular, the following items should be worn:

- *a close fitting jacket, made of tough material and easy to fasten.*
- *supple, reinforced gloves providing both sensitivity and protection.*
- *strong, close-fitting trousers covering the legs completely.*
- *soft, reinforced boots providing both sensitivity and protection.*

In any case, the clothes must allow complete freedom of movement and not hamper the rider in any way.

In addition, they must have no loose parts capable of catching in the control levers, the footrests, the wheels, the drive chain, etc., in order to avoid dangerous situations.



WARNING

Protective clothes do not afford complete protection against the risk of personal injury in the event of an accident. It is therefore essential not be deceived by the false sense of security that you might perceive by wearing protective clothing. When riding, always adopt a cautious attitude and follow the recommendations given in the previous paragraphs.



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2.1.7 ***Suggestions against theft***

Your BENELLI TRE 1130 K is a precious property and, like that, it has to be protected.

- *Every time you park your motorcycle, operate the steering lock and remove the ignition key.*
- *Park your motorcycle in a closed garage every time it is possible.*
- *Install a good quality anti-theft device on your vehicle.*





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2.2 Safety - Visual and acoustic signals

Before each ride, it is essential to verify the operation of the visual and acoustic signals.

1) High beam, low beam and parking light

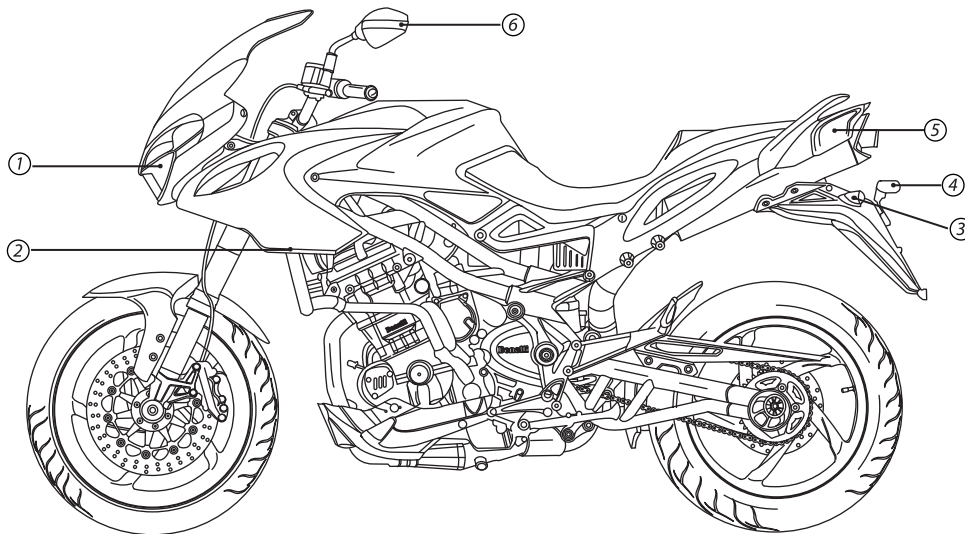
2) Horn

3) Rear turn indicators

4) Number plate lamp

5) Tail lamp and stoplight

6) Front turn indicators





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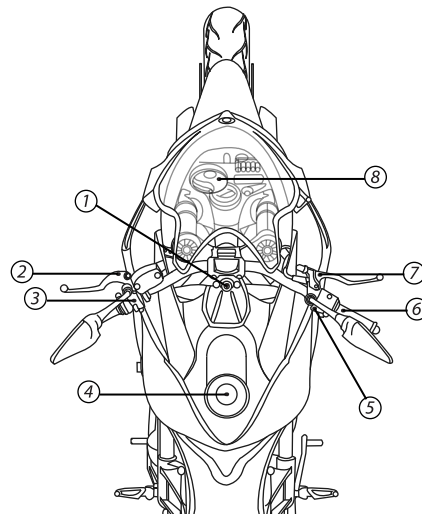
since 1911

3 Controls and instruments

3.1 Location of controls and instruments

The terms **right** and **left** are referred to the motorcycle viewed from the riding position.

- 1) Main switch and steering lock
- 2) Clutch lever
- 3) Electric controls on the left
- 4) Fuel tank cap
- 5) Electric controls on the right
- 6) Throttle twist grip
- 7) Front brake lever
- 8) Instruments and warning lights





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3.2 Sidestand

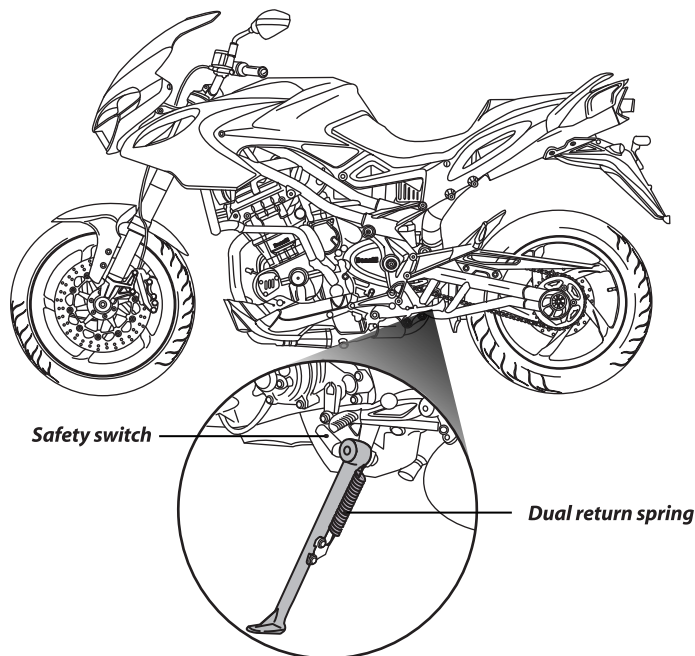
The sidestand is equipped with a safety switch that prevents the motorcycle from moving off while the stand is down.

With engine running, stand down and clutch lever pulled in, if a gear is engaged the switch will cut out engine current supply thus stopping it.

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.



DANGER
Check the
sidestand position
before riding.





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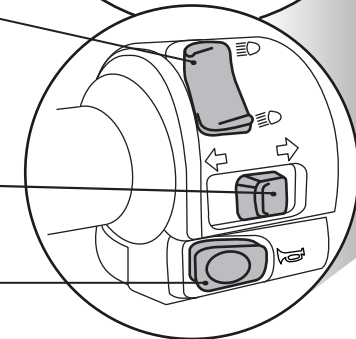
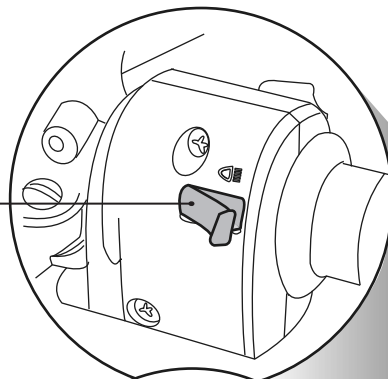
3.3 Controls on the left side of the handlebar

High beam flasher button
Press the button repeatedly.

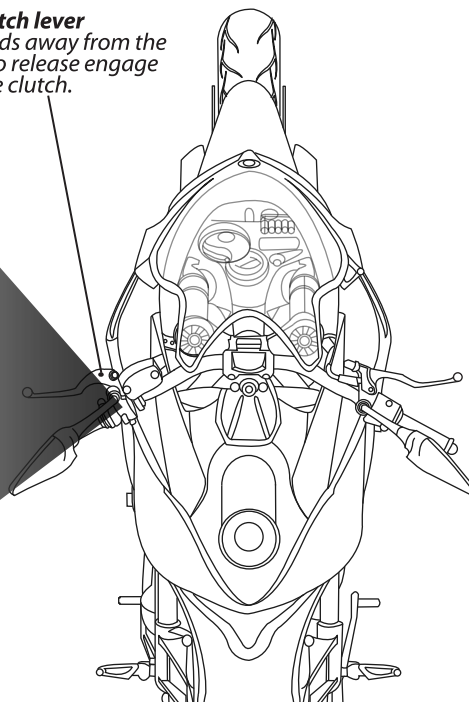
Control Lights
☼ Lights on.

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

Horn button
Press to operate the warning horn.



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





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Clutch lever

It is used to engage/disengage the clutch.

Control Lights

Pushing the switch you can turn the sidelights into the headlights or dipped headlights on beam or low beam.

Control Turn indicators

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



DANGER

***Failure to switch the turn indicators on or off at the right time may cause an accident.
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.

High beam flasher button

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

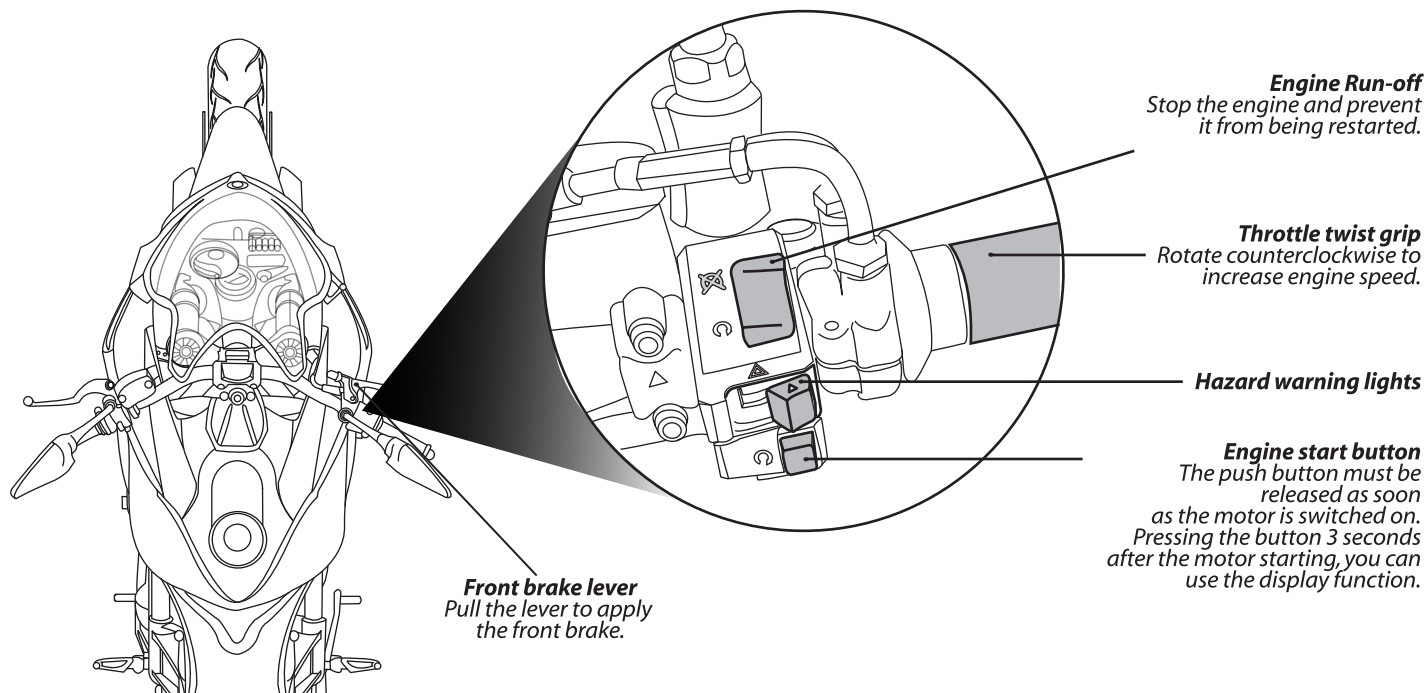




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3.4 Controls on the right side of the handlebar





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Engine Run-off

It is used to switch off the engine in an emergency. The ignition circuit is disabled, preventing the engine from being restarted. To be able to restart the engine, return the switch to the "ON" position.



CAUTION

Under normal conditions, do not use this switch to shut off the engine.

Front brake lever

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

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.*

Engine start button

This device permits the motor starting, by the steering clutch, if it is used 3 seconds after the motor starting, you can use the display functions.



CAUTION

To avoid damaging the electrical equipment, be sure not to hold down the button for longer than 5 consecutive seconds. If, after some attempts, the engine does not start, contact your Authorized Benelli Service Center.





3.5 Ignition switch and steering lock



DANGER

Do not attach a ring or any other object to the ignition key as they may hinder the steering action. Never attempt to change the switch functions while riding, as you may lose control of the vehicle. Always check the absence of any restriction in the steering action before you ride.

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

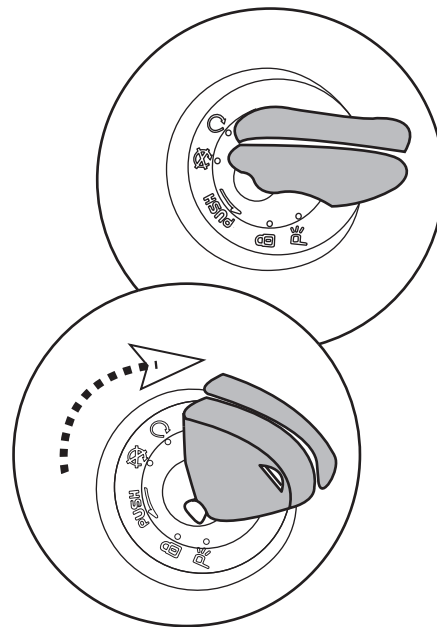
"OFF" position

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

"ON" position

All electrical circuits are activated.

The instruments and warning lights perform the self-diagnostic cycle. The engine can be started. The key cannot be removed.





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"LOCK" position

Turn the handlebar to the left. Press the key in gently while rotating it to the LOCK position.

All electrical circuits are deactivated and the steering is locked.

The key can be removed.

"P" position

Turn the key from the LOCK position to the "P" position (parking).

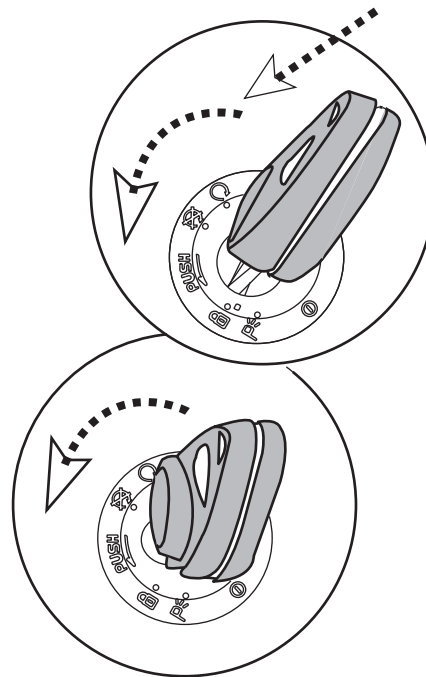
All electrical circuits are deactivated except the parking lights (position lights). The steering is locked.

The key can be removed.



CAUTION

Do not leave the key on the "P" position for a long time, in order to avoid discharging the battery of your motorcycle.





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3.6 Gear lever



WARNING

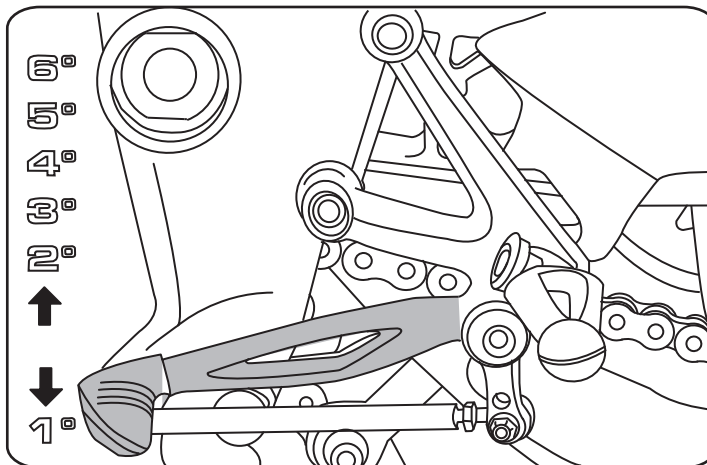
Only operate the change gear with the clutch lever fully pulled.

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.





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3.7 Instruments and warning lights

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

1) High beam warning light (blue)
Lights up when the high beam is activated.

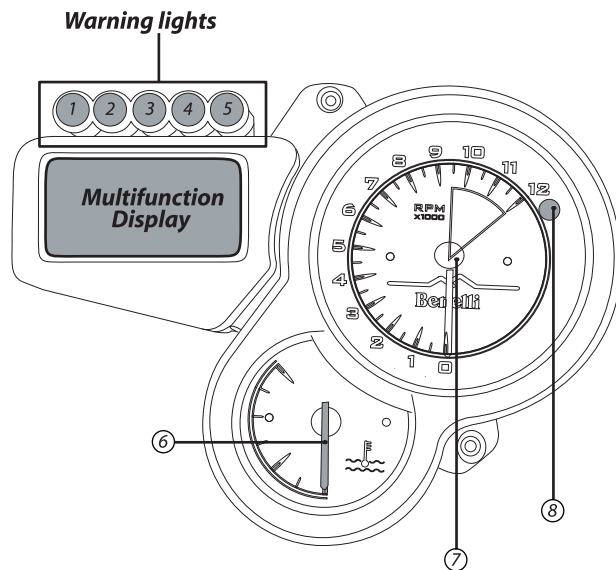
2) Turn indicator light (green)
Lights up when the turn indicators are activated.

3) Reserve fuel indicator (amber) ⚠
Comes on when approximately 5 litres of fuel are left; in this case, fill up the tank as soon as possible.

4) Neutral indicator (green)
Lights up when the gears are in "Neutral".

5) Injection warning light (orange) ⚠
Lights up in case of the fuel injectors; in this case, contact an authorized service center as soon as possible.

6) Coolant temperature indicator
Indicates the cooling coolant temperature expressed in Celsius degrees (°C).



7) Tachometer
Indicates the engine rpm expressed in thousands.

8) Alarm Led ⚠
Lights up when the oil pressure or the cooling water temperature is not correct (more than one anomalies may occur simultaneously); at the same time, the writings "OIL", "H₂O", "BAT" start flashing on the tachometer in place of the speed indication.

If the alarm led lights up, immediately stop the vehicle, allow it to cool down for a few minutes, check the oil level and top up if necessary.

If the problem persists, contact an authorized service center as soon as possible.





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3.7.1 Multifunction display

1) Speedometer

Measures the speed of the vehicle. The speed can be displayed in kilometres per hour (km/h) or miles per hour (mph). The full-scale value is 320 km/h (198.8 mph).

2) "Total" mileage counter

Displays the total distance covered from 0 to 999999 (km or mi).

"Chrono" chronometer

Displays the distance covered time expressed in minutes, seconds and hundredths.

"Clock" Display

The time (0-12) and the minutes.

3) "Trip" mileage counter

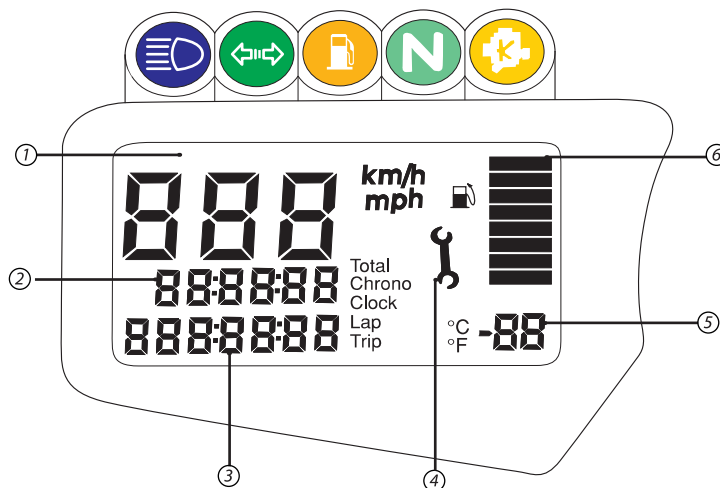
Displays the partial distance covered, from 0 to 99999.9 (km or mi).

"Lap" trip

With the "Chrono" mode it displays the intermediate time; once the chronometer is stopped, it displays the total time.

4) Service Warning Light

It comes on the first time after 1000 km (621 mi), and then every 10000 km (6213 mi). Whenever it lights up, contact an authorized service center as soon as possible and carefully follow the indications provided in the maintenance and control tables in this manual. When the warning light goes on, also the writing "Service" starts



flashing for 10 seconds every time when the vehicle is started, in place of the trip odometer "Trip" writing.

5) Thermometer

Displays the ambient temperature in centigrade degrees (°C) or Fahrenheit (°F). The range is between -30 and +50 (°C) or -22 and +122 (°F).

CAUTION: when a °F value greater than 99° F is displayed, the hundreds are not indicated although they are understood.

6) Fuel level

Displays the amount of fuel in the tank using an 8-bar chart.





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4 Operation

4.1 Using the motorcycle

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

- *Preriding checks*
- *Running-in*
- *Selecting the display functions*
- *Adjusting the clock*
- *Parking the motorcycle*
- *Saddle disassembly driver*
- *Refuelling*
- *Starting the engine*
- *Improve our riding skills*



PROTECT THE ENVIRONMENT

Benelli Q.J., 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.





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4.2 Preriding checks

WARNING

A motorcycle can be in good running order and then become unexpectedly unreliable even if unused (e.g. deflation of the tyres, battery discharge, and so on...). It is therefore important to carry out the checks described in the table below before each ride. A few moments taken to carry out these checks will help you maintain your motorcycle safe and in perfect working order. If any of the above-mentioned parts shows a failure during its operation, have it controlled and repaired by a Benelli Authorized Workshop before using the motorcycle.



| | |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Brakes | Check fluid level. Check for fluid leakage. Pull lever and press pedal to check brake operation. |
| Clutch lever | Pull lever and check that it moves smoothly and gradually. |
| Throttle twist grip | Check that grip rotates smoothly and returns to closed position when released. |
| Steering system | Verify that the operation is smooth. Verify that the movement is uniform. Check for play and loosening. |
| Lights, visual and acoustic signals | Check operation. |





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| | |
|------------------------|------------------------------------------------------------------|
| Tyres | Check inflating pressure and wear. |
| Suspensions | Verify that the operation is smooth and uniform. |
| Frame fasteners | Check clearance or slackening. |
| Drive chain | Ensure that it is tensioned and lubricated as necessary |
| Fuel | Check level. Refuel, if necessary. Check for fuel leakage. |
| Coolant | Check level in: expansion tank and circuit Check for leakage. |
| Engine oil | Check level. Check for leakage. |





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4.3 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 first miles, adopt a relaxed riding style.

| km | rpm max | | WARNING |
|---------------------------------------|---------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 to 500 km (0 to 310.6 mi) | 4000 | | New tyres and brakes must undergo a proper running-in period to reach their complete efficiency. Avoid abrupt acceleration, turning and braking during the first 100 km (62.1 mi). 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 (310.6 to 621.3 mi) | 6000 | | |
| 1000 to 2500 km (621.3 to 1553 mi) | 7500 | | |

In particular, observe for the first 2500 km (1553 mi), the max revolutions number indicated in the table.

After the running-in period, above 2500 km (1553 mi), engine is "hot" and can be run to its maximum speed.





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4.4 Selecting the display functions



CAUTION

The display modification or regulation operations, must be made 3 seconds after the motor starting, avoiding to pull the clutch lever for a while.

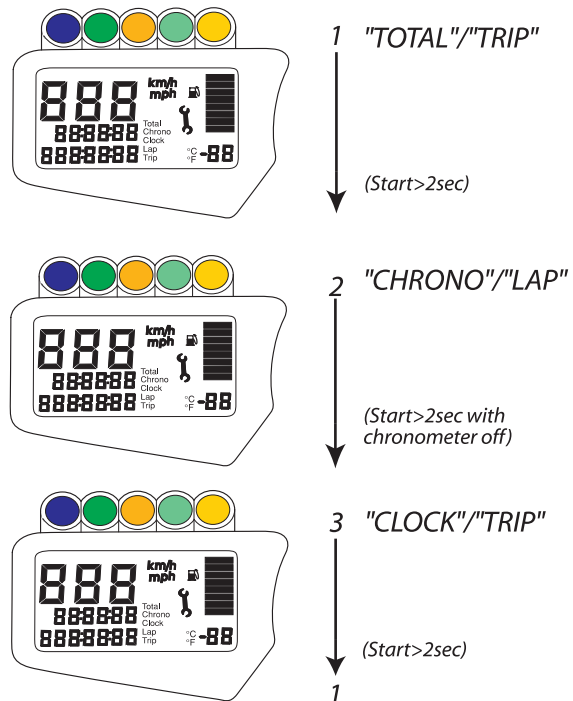
The display is provided with 3 main functions:

- 1) "TOTAL"/"TRIP"
- 2) "CHRONO"/"LAP"
- 3) "CLOCK"/"TRIP"

To move from the visualisation 1 "Total"/"Trip" to the visualisation 2 "Chrono"/"Lap" to the visualisation 3 press the "**Start**" button for more than two seconds.

To move from the visualisation 2 "Chrono"/"Lap" to the visualisation 3 press the "**Start**" button for more than two seconds (when the chronometer is switched).

To switch from function 3 "Clock"/"Trip" to function 1, keep pressed the "**Start**" button for more than two seconds.





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Resetting the trip mileage counters

"Trip" value is reset by pressing twice the **START** button (with engine running and without pulling in the clutch).



CAUTION

The instrument panel has an integrated memory which retains all the parameters even when the engine is not running. With exception of the clock and the Trip function which are reset, all other parameters remain stored even in case the battery is disconnected.

Set "Chrono" / "Lap"

Move to the visualisation 2

To set the "**Chrono**" press the **START** button for less than one second.

To set the "**Lap**" from the "**Chrono**" position, press the **START** button for less than one second.

Each time the **START** button will be pressed for less than one second, the "**Lap**" function will indicate the "**Chrono**" time, in the specific moment.

To stop the "**Chrono**" press the **START** button for less than one second.

To stop the "**Lap**" press the **START** button for three seconds at least.

To leave the "**Chrono**" position, press the **START** button for three seconds at least, moving to the 3 "**Clock**" / "**Trip**" visualisation.

Set "Clock" / "Trip"

Move to the visualisation 3.

To set the timer, push the **START** button for two seconds at least.

The first number starts flashing.

Press continuously the **START** button for the number regulation until reaching the number you desire.

Repeat the same operation to set the second timer number, the first and the second minutes number.





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Press the **START** button for three seconds at least, to stop the selection and the flashing.
To reset the "**Trip**" from the visualisation 3, press two times the start **START** button.

Set "Km" / "Mi"

From the 1 "**Total**" / "**Trip**" visualisation, when the motor is switched on, press the **START** button for at least ten seconds.

The Km or Mi symbol will start flashing, press the **START** button to move to Km or Mi, press for at least two seconds the **START** button, to select the measure unit you desire, moving automatically to the °C o °F selection, press the **START** button for less than one second to select the temperature unit you desire.

Press the **START** button for at least three seconds, to confirm and exit from the **Set "Km" / "Mi"** visualisation.

Set "Service"

When the first 1000 km (621.3 mi) will be reached and every 10000km (6213.6 mi) you will see the flashing Service pilot light on the display, instead of the partial "**Trip**" for 10 seconds during the vehicle starting.

To reset the **Service** pilot light, press the **START** button for at least ten seconds until the pilot light is switched off.





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4.5 Adjusting the clock

Switch to function 3.

Press the "Start" button (> 2 sec); the first figure will start flashing.

Repeatedly press the "Start" button until the desired figure has been entered.

Press the "Start" button (> 2 sec.) to enter the following figure.

Repeat the above procedure to enter the second figure of the "hours", the first and second figure of the "minutes".

Press the "Start" button (> 2 sec.) to confirm the time adjustment and to stop the selection (the flashing).





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4.6 Parking the motorcycle

BENELLI TRE 1130 K is equipped with the sidestand. It is possible to separately buy the central back stand.

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

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.





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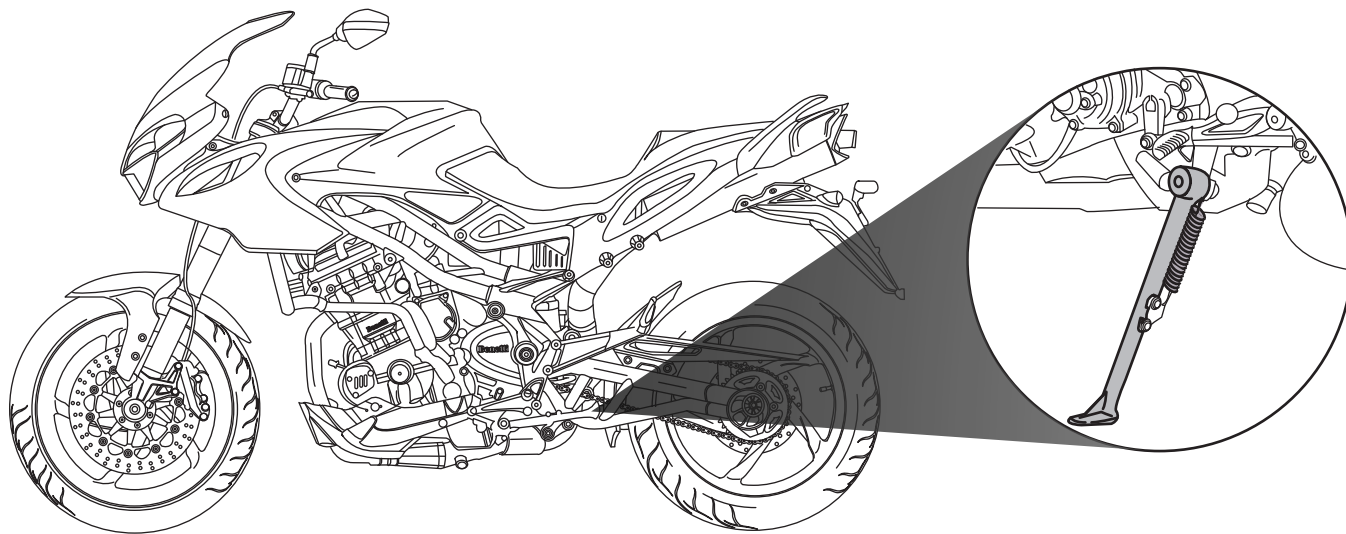
since 1911



DANGER

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.

To move the side stand to its rest position (horizontal position), tilt the motorcycle to the right and, at the same time, lift the thrust arm with your foot.





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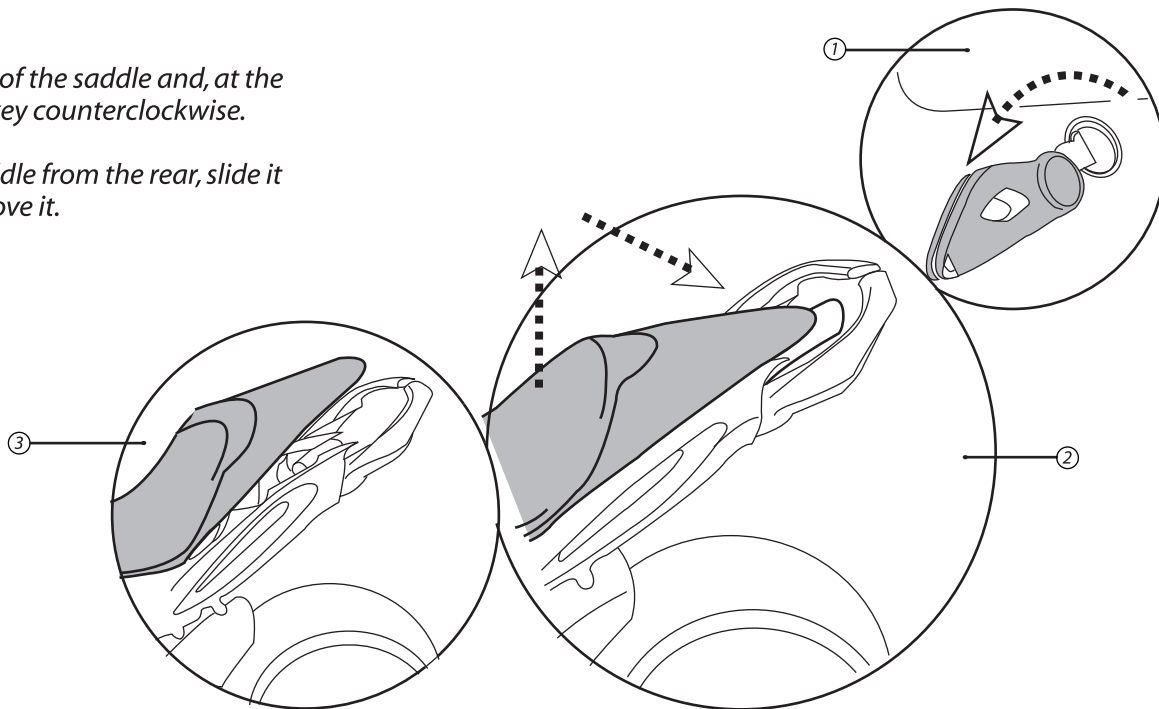
since 1911

4.7 Saddle disassembly driver

1) Insert the key.

2) Press the end part of the saddle and, at the same time, turn the key counterclockwise.

3) Slightly lift the saddle from the rear, slide it backwards and remove it.



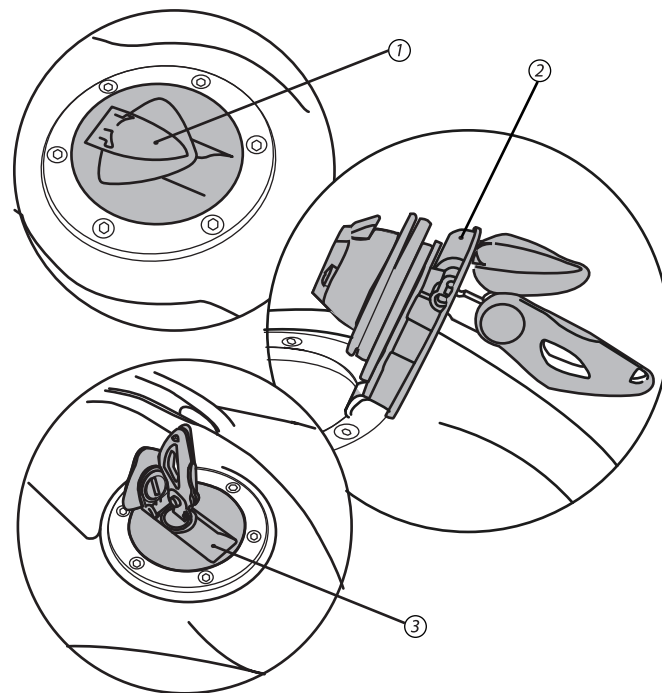


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4.8 Refuelling

- 1) Lift the dust cover.
- 2) Insert the key into the lock, rotate it clockwise and lift the tank cap.
- 3) After refuelling, press down the tank cap while rotating the key clockwise to facilitate the locking. Then release the key and remove it.



CAUTION
The plug can only be closed with the key in.



DANGER
After refuelling always make sure that the plug is correctly replaced and locked.





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DANGER

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.

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.

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



CAUTION

Only use unleaded fuel with a R.O.N. octane rating of 95 or higher.

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





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4.9 Starting the engine

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

One of the following conditions must be verified, in order that the ignition switch system allows engine starting:

- The gears are in neutral.
- The gears are engaged, the clutch lever is pulled and the side stand is up.
- Press the start button **without turning the throttle twist grip.**
- As soon as the engine starts, release the button.

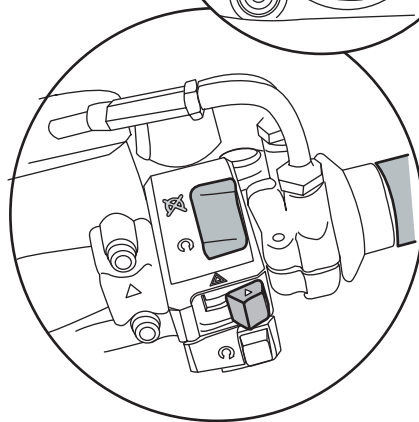
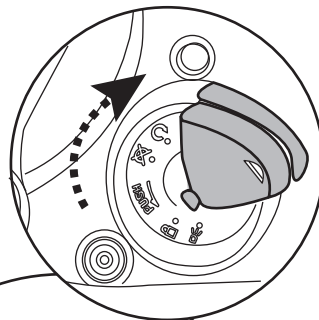
DANGER

Do not press the start button for longer than 5 consecutive seconds.

Avoid warming up the engine while the vehicle is stationary.

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.





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4.10 **Improve our riding skills**

Riding a motorcycle requires experience and concentration.

Inexperienced riders should undergo a period of training and attend an introductory course consisting of theoretical lessons as well as practical riding sessions in areas closed to traffic.

The instructor's advice will help the novice rider become familiar with the basics of riding safety.

Relying on the advice of persons other than a qualified riding instructor, even if possessing specific knowledge, may prove to be useless or even dangerous, especially if the practical training takes place in an area open to traffic.





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5 Adjustments

5.1 Variants models

This section is dedicated to all the variants in the Tre 1130 K and:



5.2 List of adjustments

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



DANGER

To avoid losing control of the vehicle while riding, be sure to always keep both hands on the handlebars.

All adjustments must be performed when the vehicle is stationary and, where not otherwise provided in this manual, they have to be done only by Benelli Authorized Workshop; in fact, some of these operations can cause a danger for the user's safety if they are not properly done or if they are inappropriate.





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5.3 *Recapitulatory table of adjustments*

| TYPE OF ADJUSTMENT | COMPETENCE |
|---------------------------------------------------------------------|--------------------------|
| 1) Rearview mirrors adjustment | User |
| 2) Clutch lever adjustment | User |
| 3) Regulation of the windshield | User |
| 4) Front projector regulation | User |
| 5) Adjustment of minimum engine rpm | User |
| 6) Gear lever adjustment | Authorized Dealer |
| 7) Drive chain adjustment | Authorized Dealer |
| 8) Adjusting rear suspension rebound damper hydraulic device | Authorized Dealer / User |
| 9) Adjusting rear suspension spring preload | Authorized Dealer / User |
| 10) Back foot brake pedal regulation | Authorized Dealer |
| 11) Front brake lever adjustment | User |
| 12) Adjusting front suspension rebound damper hydraulic device* | Authorized Dealer / User |
| 13) Adjusting front suspension spring preload* | Authorized Dealer / User |
| 14) Adjusting front suspension compression damper hydraulic device* | Authorized Dealer / User |

*Valid just for model Tre 1130 K Amazonas

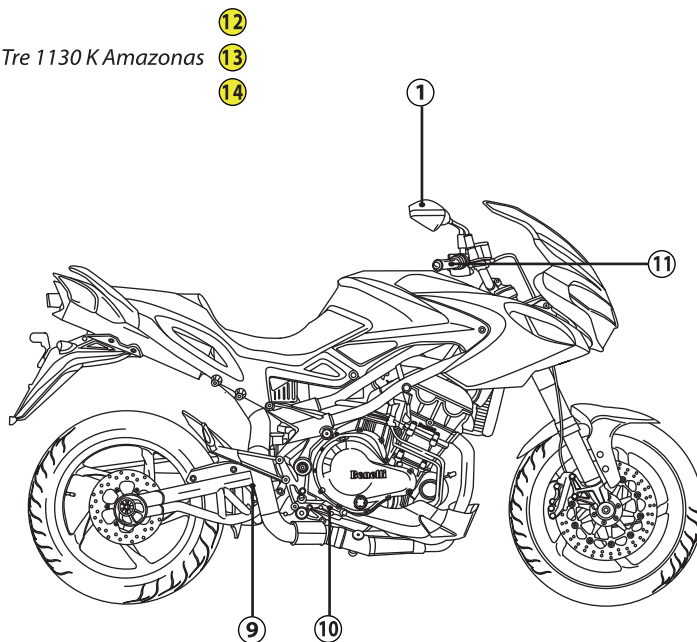
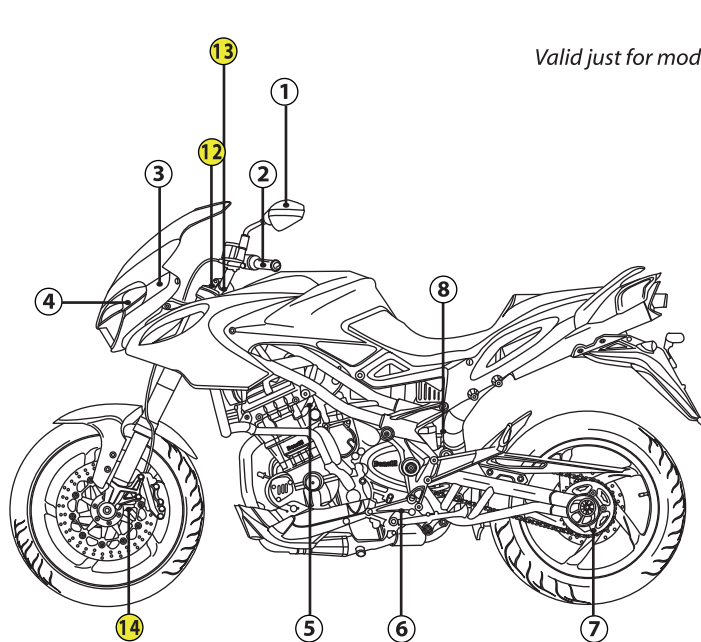




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Valid just for model Tre 1130 K Amazonas





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5.4 Adjustments that can be done by User

5.4.1 Front brake lever adjustment

Push the lever forward to neutralize the spring thrust and, at the same time, adjust its position possible directions by turning the ring nut clockwise or anticlockwise.



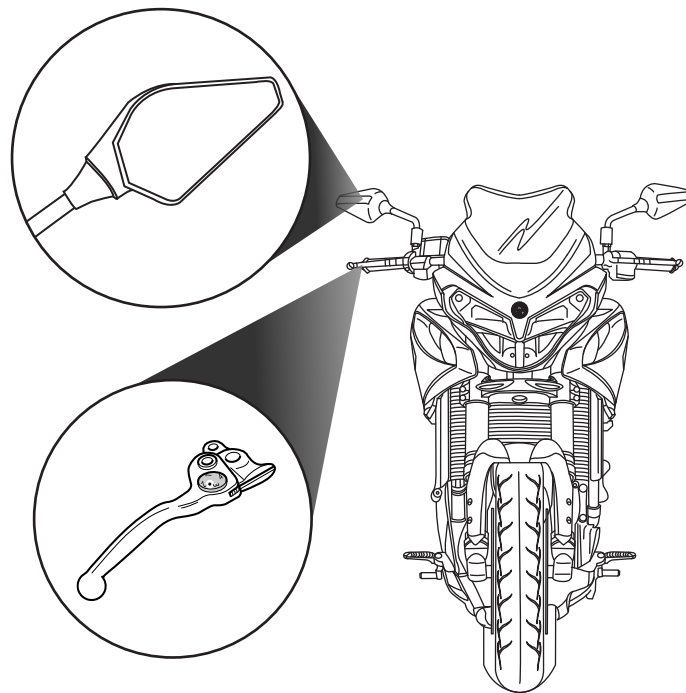
DANGER
Never perform the adjustment while riding.

5.4.2 Adjusting the rearview mirrors

Move the wing mirror to regulate the position.



CAUTION
Never attempt to move the whole mirror to adjust it: this could cause it to break.





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5.4.3 Front projector regulation

For the front projector regulation use the 2 (right and left) register screws under the projector.

The projector can regulate the right and left parable separately, unscrew to lower the light beam, screw to raise the light beam.

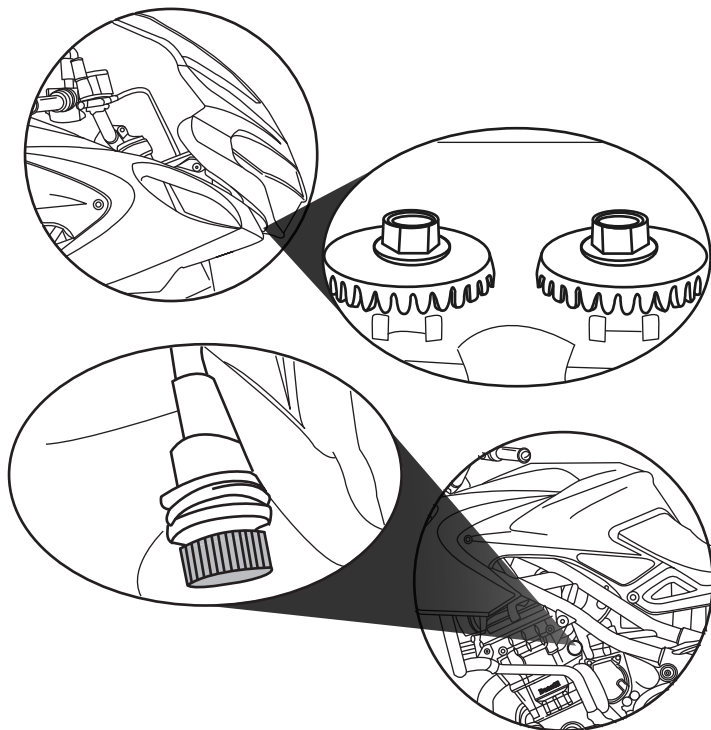
5.4.4 Adjustment of minimum engine rpm



DANGER
Never perform the adjustment while riding.

Work cable knob to adjust engine idling speed. Tightening it will increase the minimum rpm. Loosening it will decrease the minimum rpm.

The idle speed should range from 1200 to 1300 rpm.





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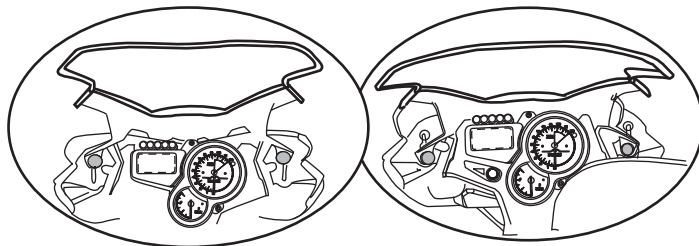
since 1911

5.4.5 Regulate the windshield

Regulate the windshield acting on 3 position.
Turn the knobs anti clockwise and fix the windshield at the wanted height, then turn the knobs clockwise.



DANGER
Never perform the adjustment while riding.



5.4.6 Clutch lever play

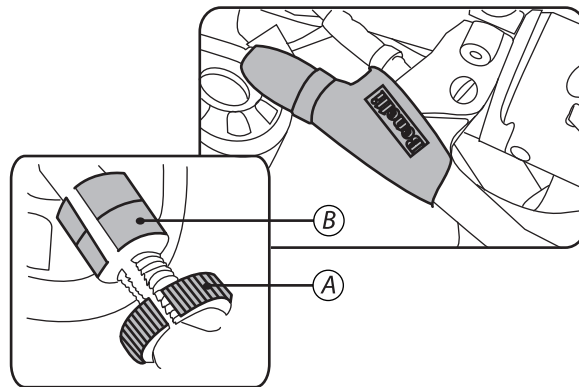
Move aside the adjuster cap.

Unloose the ring nut (A) and reset the clutch lever play by turning the adjustment (B) clockwise or anticlockwise.

Turn clockwise to decrease the play.

Turn anticlockwise to increase the play.

After setting, tighten again the adjusting ring (A).





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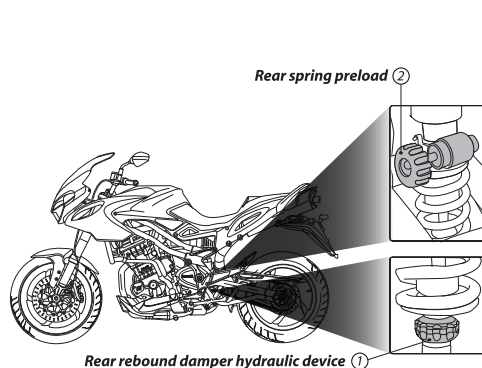
since 1911

5.5 Adjustments that has to be done by a Benelli Authorized Workshop or by the end User

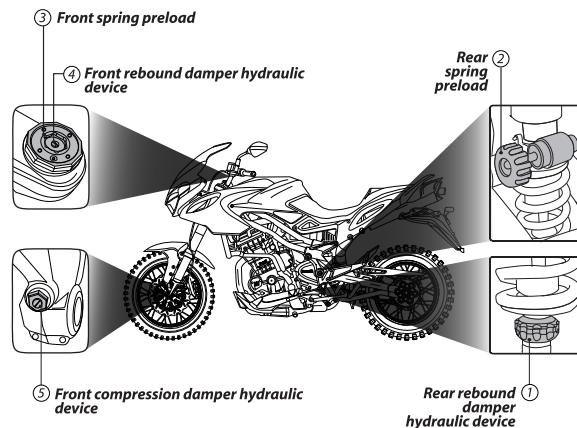


WARNING

The following adjustments are reserved to the Benelli Authorized Workshops. Never perform the adjustment while riding.



Tre 1130 K



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5.5.1 Adjusting rear suspension

The shock absorber has outer adjusters that enable you to adjust your motorcycle to the load and to the pilot's driving style. Check the rear suspension settings in the position indicated by the arrow.



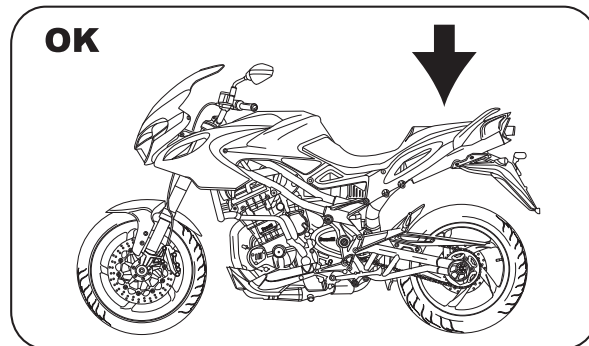
DANGER

The high temperature of the exhaust pipes can cause burns. Before adjusting the rear suspension, shut off the engine and wait until the exhaust pipes have thoroughly cooled. The rear shock absorber contains highly compressed gas. Do not try to open or disassemble it in any way.



CAUTION

When you estimate the rear suspension settings, never push or pull in any way on the exhaust muffler and on the tail. They would be certainly damaged.



At the moment of delivery of the motorcycle, the rear suspension is adjusted in the standard configuration, with damper spring length of:

137 mm (5.39 in) [23 mm (0.90 in) of preload] for model Tre 1130 K;

167 mm (6.57 in) [25 mm (0.98 in) of preload] for model Tre 1130 K Amazonas.





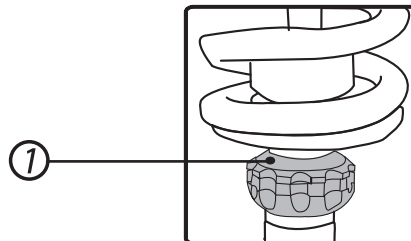
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Adjusting rebound damper hydraulic device

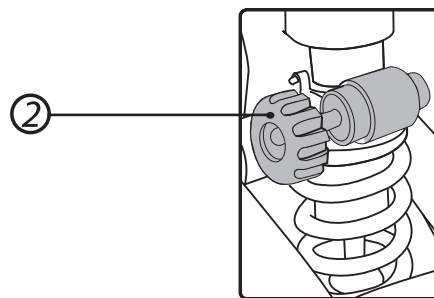
The adjuster (1), located on the connection holding the shock absorber to the swingarm, controls rebound damping

Turn the adjuster (1) clockwise to increase damping, or counter clockwise to reduce damping



Adjustment spring preload

The preload on the external spring of the shock absorber can be adjusted using the adjusting knob (2), on the left of the frame, and following the values shown on the knob itself.





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5.5.2 Adjusting front suspension (just for model Tre 1130 K Amazonas)

The shock absorber has outer adjusters that enable you to adjust your motorcycle to the load and to the pilot's driving style

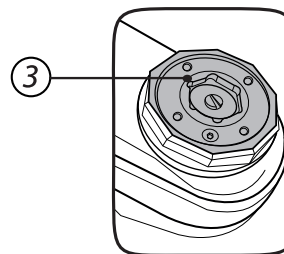


DANGER

It is essential that the adjusters of both fork rods are adjusted to the same position.

Adjusting spring preload

Adjusting of the spring preload is performed by counting the rule turns (3). Turn clockwise for stiffer preload adjustment.



NOTE

Start adjusting the preload from the "all open" position (direction -). The compression and rebound adjusting starts from the "all close" position (direction +).





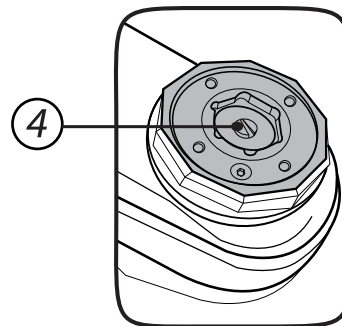
THE 1130 K

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Adjusting rebound damper hydraulic device

Adjusting of the rebound damper hydraulic device is made out rotating the register (4).

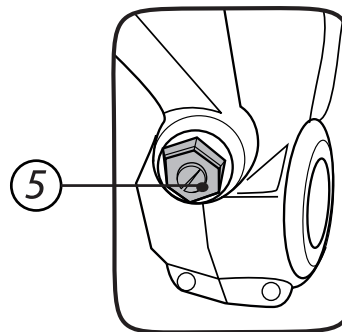
Turn the rule (4) clockwise to increase the braking action, or turn anticlockwise to decrease it.



Adjusting compression damper hydraulic device

Adjusting of the compression damper hydraulic device is made out rotating the register (5).

Turn the rule (5) clockwise to increase the braking action, or turn anticlockwise to decrease it.





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5.5.3 *Recapitulatory table Tre 1130 K - Tre 1130 K Amazonas*

| | <i>Tre 1130 K</i> | | <i>Tre 1130 K Amazonas</i> | |
|-------------------------------|-----------------------------|----------------------------------------------|-------------------------------|----------------------------------------------|
| | FRONT SUSPENSION | REAR SUSPENSION | FRONT SUSPENSION | REAR SUSPENSION |
| SPRING PRELOAD | Not adjustable | Adjustable from standard position to + 10 mm | 10 turns from "all open" | Adjustable from standard position to + 10 mm |
| REBOUND DAMPER | Not adjustable | 10 triggers from "all closed" | 10 triggers from "all closed" | 35 triggers from "all closed" |
| COMPRESSION DAMPER | Not adjustable | Not adjustable | 10 triggers from "all closed" | Not adjustable |





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6 Maintenance

6.1 Tables of scheduled maintenance and checks

CAUTION

Impropriety or lack of recommended maintenance operations can lead to an increase of the risk of accident and damage to the motorcycle.

Always use genuine Benelli Q.J. 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, can cause the unoperativeness of the legal guaranty. To replace or top up the lubricants and fluids of your motorcycle, use only the suitable products.



PROTECT THE ENVIRONMENT

Benelli Q.J., 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.



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 and, however, only when explicitly scheduled in this Owner's Manual.





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In any other cases have the operations performed by a Benelli Authorized Workshop, whose list is available on the web site **www.benelli.com** or calling the Benelli Customer Service dialling +39 0721.418740.

CAUTION

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.

The annual checks must be performed every year, except if a kilometer-based maintenance is performed instead. From 40.000 km (24854.7 mi), repeat the maintenance intervals starting from 10.000 km (6213.6 mi). As to the services performed for the items listed, please refer to a Benelli dealer as they require special tools, data and technical skills.






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6.2 **Tables of scheduled maintenance**

The table below describes all the scheduled maintenance operations.

| | | | |
|----------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|
| i | Inspection and adjustment, cleaning, lubrication or replacement according to requirements | T | Tighten |
| R | Replacement |  | Dealer |





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MAINTENANCE FREQUENCY

| NO. | COMPONENT | CHECK OR MAINTENANCE JOB | 0 KM BEFORE DELIVERY | 1000 KM (621 MI) 1st SERVICE | 10000 KM (6213.6 MI) 2 st SERVICE | 20000 KM (12427.3 MI) 3 st SERVICE | 30000 KM (18641 MI) 4 st SERVICE | 40000 KM (24854.7 MI) 5 st SERVICE | ANNUAL CHECK |
|-----|-------------------|---------------------------------------------|-------------------------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 1 | ENGINE OIL | Check/Change | I | R | R | R | R | R | R |
| | | | Before every use of the vehicle | | | | | | |
| 2 | ENGINE OIL FILTER | Check/Change | | R | R | R | R | R | |
| | | | At every change of engine oil in any case | | | | | | |
| 3 | PETROL FILTER | Check/Change | | | R | R | R | R | |
| | | | | | | | | | |
| 4 | AIR FILTER | Check/Change | | | I | R | I | R | |
| | | | | | | | | | |
| 5 | COOLING LIQUID | Check/Restore level | I | I | I | I | I | I | I |
| | | | 20.000 km every 2 years in any case | | | | | | |
| 6 | COOLING PLANT | Check coolant level and for coolant leakage | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 7 | SPARKING - PLUG | Check/Change | | | I | R | I | R | |
| | | | Check condition. Clean and regap | | | | | | |





THE 1130 K

Since 1911

MAINTENANCE FREQUENCY

| NO. | COMPONENT | CHECK OR MAINTENANCE JOB | 0 KM BEFORE DELIVERY | 1000 KM (621 MI) 1st SERVICE | 10000 KM (6213.6 MI) 2 st SERVICE | 20000 KM (12427.3 MI) 3 st SERVICE | 30000 KM (18641 MI) 4 st SERVICE | 40000 KM (24854.7 MI) 5 st SERVICE | ANNUAL CHECK |
|-----|-------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 8 | TRANSMISSION CHAIN | Check chain slack. Make sure that the rear wheel is properly aligned. Clean and lubricate. | I | I | I | I | I | I | I |
| | | | Every 500 km and after washing the motorcycle or riding in the rain | | | | | | |
| 9 | CROWN | Check/Lubricate | I | I | I | I | I | I | I |
| | | | At every change of the distribution chain in any case | | | | | | |
| 10 | PINION/ STOP WASHER | Check/Lubricate | I | I | I | I | I | I | I |
| | | | At every change of the distribution chain in any case | | | | | | |
| 11 | OIL CIRCULATING TUBES | Check defects and losses | | | I | R | I | R | I |
| | | | 20.000 km every 3 years in any case | | | | | | |
| 12 | BRAKE LIQUID | Check/Change | I | I | I | I | I | I | I |
| | | | Whenever worn to the limit | | | | | | |
| 13 | FRONT BRAKE/ REAR BRAKE | Check operation, fluid level and vehicle for fluid leakage | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 14 | BRAKE PADS | Check/Change | | I | I | I | I | I | I |
| | | | Whenever worn to the limit | | | | | | |





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|-----|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|--------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|--------------|
| 15 | REAR FORK PADS CHAIN | Check/Change | | I | I | I | I | I | I |
| | | | Whenever worn to the limit | | | | | | |
| 16 | FORK CHAIN GUIDE SLIDE | Check/Change | | I | I | I | I | I | I |
| | | | Whenever worn to the limit | | | | | | |
| 17 | LOWER FRAME CHAIN SLIDE | Check/Change | | I | I | I | I | I | I |
| | | | Whenever worn to the limit | | | | | | |
| 18 | ACCELERATOR COMMAND | Check operation and free play. Adjust the throttle cable free play if necessary. Lubricate throttle grip housing and cable. | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 19 | CLUTCH | Check/ Adjust | | I | I | I | I | I | |
| | | | | | | | | | |
| 20 | CLUTCH COMMAND | Check/Adjust | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 21 | THROTTLE BODY | Check/Adjust | | I | I | I | I | I | |
| | | | | | | | | | |





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Since 1911

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|-----|-------------------------------------|--------------------------|------------------------------------------------------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 22 | ☑ VALVES | Check/ Adjust | | | I | I | I | I | |
| 23 | ☑ DISTRIBUTION CHAIN | Check/Change | | | | | | R | |
| | | | Every 40.000 km (24854.7 mi) | | | | | | |
| 24 | ☑ DISTRIBUTION MOBILE PAD | Check/Change | | | | | | R | |
| | | | At every change of the distribution chain in any case | | | | | | |
| 25 | ☑ DISTRIBUTION CHAIN STRETCHER | Check/Change | | | I | I | I | R | |
| | | | At every change of the distribution chain in any case | | | | | | |
| 26 | ☑ STEERING CROWS SADDLE POST | Check/ Adjust | T | T | T | T | T | T | T |
| | | | Before every use of the vehicle | | | | | | |
| 27 | ☑ STEERING SADDLE POST BALL-BEARING | Check/ Adjust | T | T | T | T | T | T | T |
| | | | Every 20.000 km (12427.3 mi). Lubricate with lithium-soap-based grease | | | | | | |
| 28 | ☑ REAR/FRONT WHEEL BALL-BEARING | Check/Change | | I | I | I | I | R | |
| | | | Every 40.000 km (24854.7 mi) | | | | | | |












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|-----|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 29 |  LARGE FORK BALL-BEARINGS | Check/Change | | I | I | I | I | R | |
| | | | Every 40.000 km (24854.7 mi) | | | | | | |
| 30 |  SWINGARM | Check operation and for excessive play. Lubricate with lithium-soap-based grease | | | I | I | I | I | |
| | | | | | | | | | |
| 31 |  FORK | Check operation and for oil leakage | | | I | I | I | I | |
| | | | | | | | | | |
| 32 |  FORK OIL | Change | | | | | | | |
| | | | Every 20.000 km (12427.3 mi) | | | | | | |
| 33 |  REAR DAMPER | Check operation and for oil leakage | | | I | I | I | I | |
| | | | | | | | | | |
| 34 |  WHEELS | Check re-alignment and for damage | | | I | I | I | I | |
| | | | | | | | | | |
| 35 |  TIRES | Check tread depth and for damage. Replace if necessary. Check air pressure. Correct if necessary. | T | I | I | I | I | I | I |
| | | | Whenever worn to the limit | | | | | | |





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MAINTENANCE FREQUENCY

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|-----|-------------------------------|--------------------------|------------------------------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 36 | SIDE STAND | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 37 | LATERAL ASSEMBLY STAND SWITCH | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 38 | VISION LIGHTS/ SIGNALS | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 39 | FRONT HEADLIGHT | Check/functioning | I | I | I | I | I | I | I |
| | | Adjust | At every variation in the state of the vehicle | | | | | | |
| 40 | HORN | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 41 | INSTRUMENTATION | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 42 | BATTERY PLANT | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |












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MAINTENANCE FREQUENCY

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|-----|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 43 |  ELECTRICAL PLANT | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 44 |  IGNITION SWITCH | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 45 |  ELECTROFANS | Check/functioning | I | I | I | I | I | I | I |
| | | | | | | | | | |
| 46 |  ELECTRONIC FUEL INJECTION | Adjust engine idling speed and synchronization | | I | I | I | I | I | |
| | | | | | | | | | |
| 47 |  CARBURATION/ CO° | Check/ Adjust | | I | I | I | I | I | |
| | | | Every 10.000 km (6213.6 mi) | | | | | | |
| 48 |  CHASSIS FASTENERS | Make sure that all nuts, bolts and screws are properly tightened | T | T | T | T | T | T | T |
| | | | | | | | | | |
| 49 |  AIR BOX VALVE | Check/Change | | I | I | I | I | I | |
| | | | Check operation | | | | | | |





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|-----|---------------------------------------|--------------------------|------------------------------------------------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 50 | EXHAUST PLANT VALVE | Check/Change | | I | I | I | I | I | |
| | | | Check operation, cable free play and pulley position. Replace | | | | | | |
| 51 | INLET OUTLET VALVE ACTUATOR | Check/Change | | I | I | I | I | I | |
| | | | Check operation, cable free play and pulley position. Replace | | | | | | |
| 52 | VALVE ACTUATOR CABLE | Check/Change | | I | I | I | I | I | |
| | | | Check operation, cable free. Replace | | | | | | |
| 53 | OIL BASIN SCREWS | Check | | T | T | T | T | T | |
| | | | | | | | | | |
| 54 | CLUTCH COVER SCREWS | Check | | T | T | T | T | T | |
| | | | | | | | | | |
| 55 | ALTERNATOR RUBBER EVEN TENSION DEVICE | Change | | | R | R | R | R | |
| | | | | | | | | | |
| 56 | CATALYSER | Check defects and losses | | I | I | I | I | R | |
| | | | Maintenance is not envisioned, replace in case of malfunctioning | | | | | | |





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|-----|-------------------------|--------------------------|-----------------------------------------------------|------------------------------|-----------------------------------|------------------------------------|----------------------------------|------------------------------------|--------------|
| 57 | CANNISTER USA VERSION | Check defects and losses | | I | I | R | I | R | |
| | | | Maintenance is envisioned, replace in case of leaks | | | | | | |
| 58 | BRAKE HOSES | Check/Change | I | I | I | I | I | I | I |
| | | | Every 4 years | | | | | | |
| 59 | MOVING PARTS AND CABLES | Check/Change | I | I | I | I | I | I | I |
| | | | Before every use of the vehicle | | | | | | |

- The air filter element needs to be replaced more frequently when riding in unusually wet dusty areas;
- Hydraulic brake service;
- Regularly check and, if necessary, correct the brake fluid level;
- Every two years replace the internal components of the brake master cylinders and calipers, and change the brake fluid;
- Replace the brake hoses every four years and if cracked or damaged.





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6.3 Tools and accessories supplied

The motorcycle comes supplied with a kit containing the following tools:

- Cross wrench;
- Preload tool










WARNING

It is recommended to use the supplied tools only if you are able to properly handle them and, however, only if you are sure about the action you have the performance.





6.4 Table of lubricants and fluids

| APPLICATIONS | ORIGINAL PRODUCTS |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Engine oil |  PRO-ACTION 4 T |
| Cooling system |  PARAFLY MOTO RIDER |
| Brake system |  TOP 4 |
| Air filter oil |  AIR FILTER OIL |
| Protection battery poles grease |  POLES PROTECTION GREASE |
| Grease for lubricating chains |  TP2 |
| Multipurpose protection lubricant |  6 IN 1 |

For the availability of the suggested product, Benelli Q.J. suggests to directly apply to the Authorized Dealers or Workshops.

Benelli Q.J. guarantees optimum engine performance with the use of original products.

If non original products are used, lubricants are accepted with minimum:

SAE 10W-50 - API SJ - JASO MA.

The use of products with characteristics below the above-mentioned international specifications could cause damage to the engine without warranty coverage.



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6.5 Checking the engine oil level

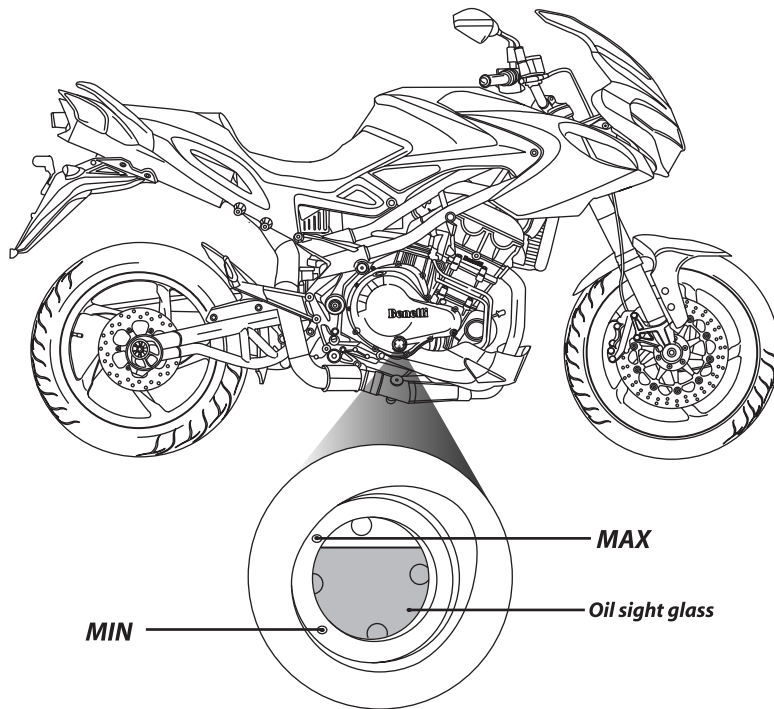
Check the oil level while the engine is not running, and has been allowed to cool down for at least ten minutes after riding.

The check must be performed after placing the motorcycle in an upright position on a horizontal surface.

Level should be in between MAX and MIN reference indicated on casing.
Top up if necessary.



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





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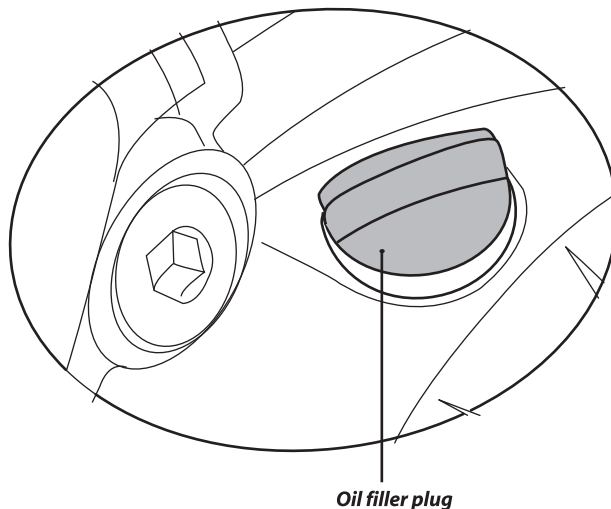
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6.5.1 Topping up the engine oil level

To top up the engine oil level, remove the oil filler plug and 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 lubricants and fluids. Make sure that no foreign body gets in the crankcase while topping up the engine oil.





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DANGER

New or exhaust engine oil can be dangerous. Engine oil is highly toxic for people 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. It has been proved that prolonged contact with engine oil can cause skin cancer on guinea pigs.

Even a brief contact with engine oil can cause skin irritation.

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

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





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6.6 Checking the coolant level

Check the coolant level while the engine is off and cold.

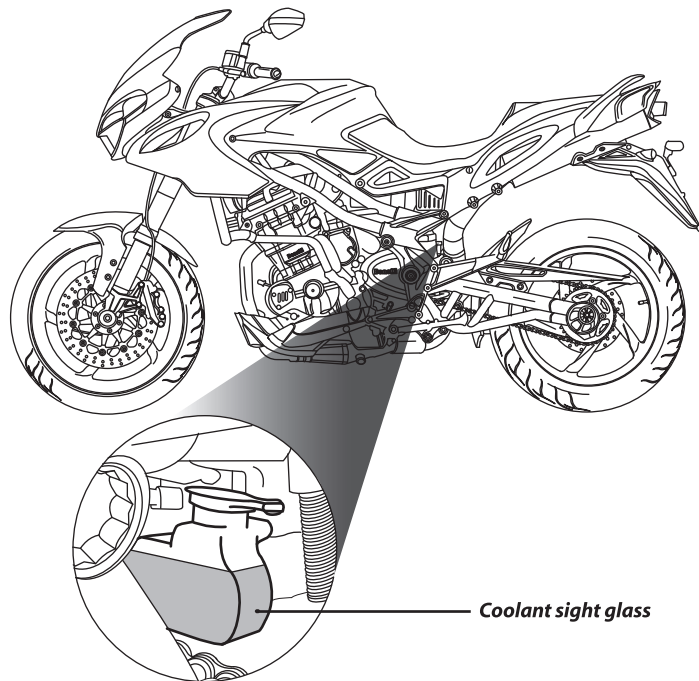
The check must be performed after placing the motorcycle in an upright position on a horizontal surface.

The level in the cup must be included between the MAX and MIN references.

In the case the cooling liquid level is under the MIN reference, remove the cup plug and make a topping up, or bring the motorbike in the closest Benelli Authorized machine shop.



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



Coolant sight glass





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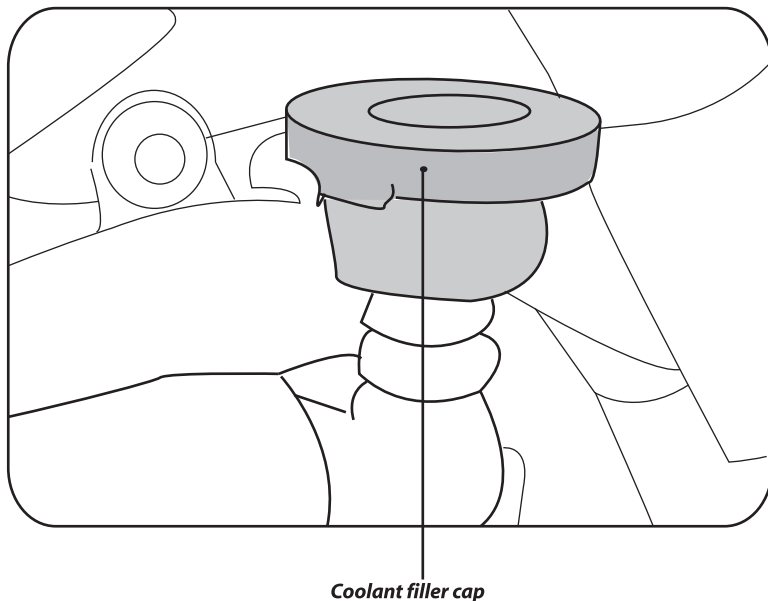
6.6.1 Topping up the coolant level

Remove the right fairing to gain access to the plug.

Remove the filler cap and top up using the coolant recommended in the lubricants and liquids table.

After the reset time, reassemble carefully the radiator cap.

CAUTION
Coolant can damage painted and plastic parts. Danger 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.





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DANGER

This operation has to be performed only by a Benelli Authorized Workshop.

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!

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.

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.





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6.7 Checking the wear of the brake pads



DANGER

If the brake pads are excessively worn out, the effectiveness of the braking system decreases, increasing the risk of accidents.

Check frequently, from a Benelli Authorized Workshop, the wear and tear of the linings and, wherever need, make them replaced.

To facilitate inspection without removing the pads from the callipers, brake pads have a wear mark.

If the grooves in the friction material are still visible, the pad is still in good condition.

The rear brake pads must be replaced when about 1.5 mm (0.05 in) of friction lining is still visible through the opening in the callipers.

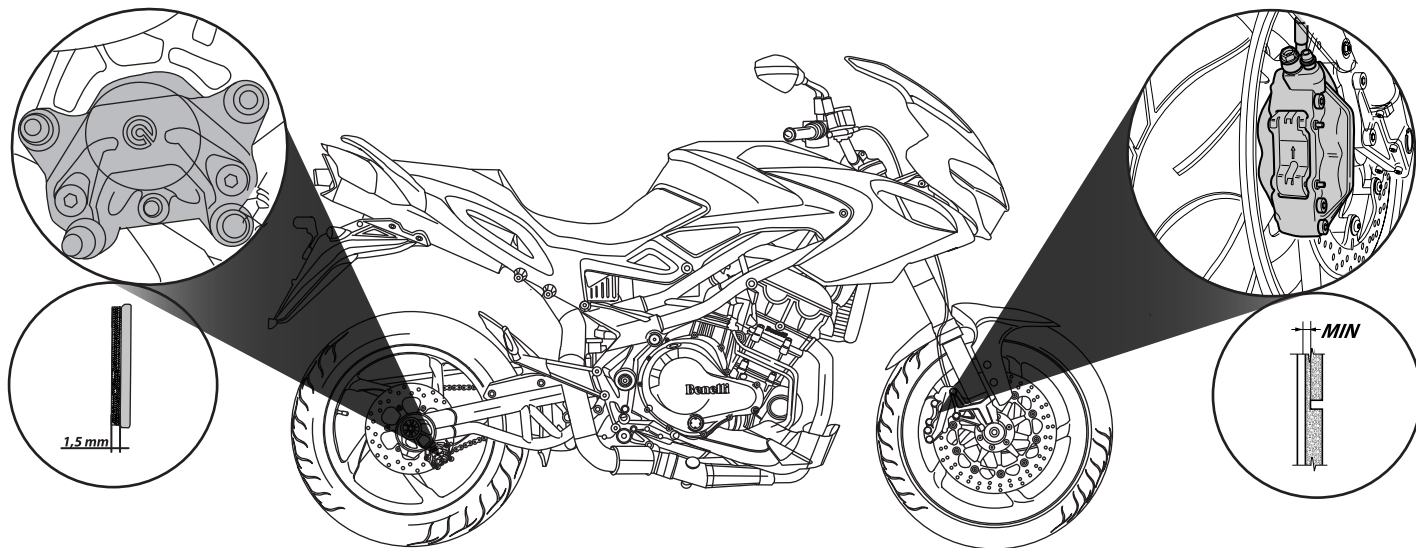




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Limit of the wear and tear of the linings: 1,5 mm (0.05 in).





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6.8 Checking the brake fluid level

DANGER

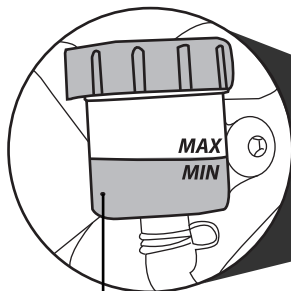
Lack of maintenance of the braking system can increase the risk of accidents. If you notice any anomaly in the working of the braking system, go immediately to a Benelli Authorized Workshop.

Wherever you suspect that can exist a serious failure of the braking system, stop immediately the motorcycle and call the nearest Benelli Authorized Workshop.

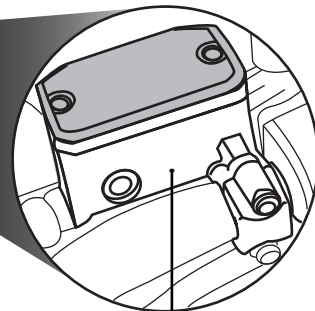
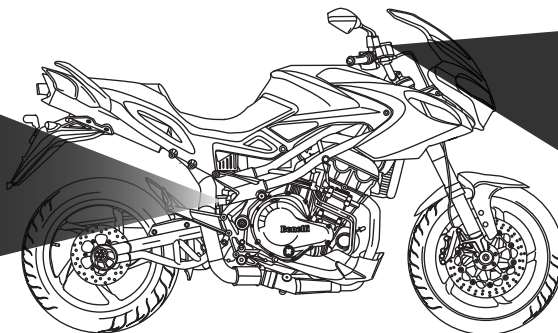
Never use your motorcycle if the fluid level is below the MIN mark.

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 it topped up by an Authorized Benelli dealer.



Rear brake fluid reservoir



Front brake fluid reservoir





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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 a Benelli Authorized service center and have the brake system overhauled.

Have the topping up of the brake fluid performed only by Benelli Authorized service center.

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.

Use only the brake fluid specified in the table lubricants and fluids 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.

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 pedal.

In this case, have a braking system bleeding performed by an Authorized Benelli dealer before riding your motorcycle again.





6.9 Checking the tires and rims



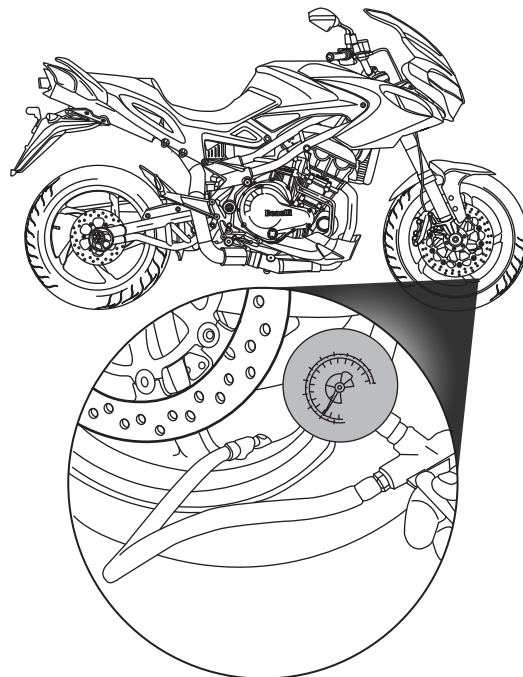
DANGER

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

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.





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Check the pressure according to the values indicated in the table below:

| | PRESSURE TRE 1130 K | PRESSURE TRE 1130 K AMAZONAS |
|-----------------|------------------------------|---------------------------------|
| Front cool tyre | 220 kPa (2,2 bar / 31.9 PSI) | 220 kPa (2,2 bar / 31.9 PSI) |
| Back cool tyre | 240 kPa (2,4 bar / 34.8 PSI) | 230 kPa (2,3 bar / 33.3 PSI) |

In the event of long travels, you can increase the face value of the tyre pressure of 0.2 Bar.

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 Benelli dealer.

DANGER

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 Benelli Authorized service center and have the tyre replaced. After a tyre is temporarily repaired and used for emergency purposes, never exceed 60 km/h (37.2 mph). 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 (0.23 in). When it is necessary to replace the tyres, use only the type specified in the technical data table. 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





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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 (Tube Type for model Amazonas).

Do not assemble an air tube tyre on rims designed for Tubeless tyres or Tube Type for Amazonas.

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.

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 (62.13 mi) after the replacement of a tyre.





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6.9.1 Checking of the rims and the wheel rims

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



DANGER

If you find that the wheel rim is damaged, have it replaced by a Benelli Authorized service center. Never attempt to repair the wheel rim, even in case of slight damage. Every time you replace a tyre or a rim, you must have a wheel balancing performed. Wheel unbalanced can adversely affect performance and handling of the motorcycle, as well as shorten the life of the tyres.





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6.10 Cleaning checking and lubricating the drive chain

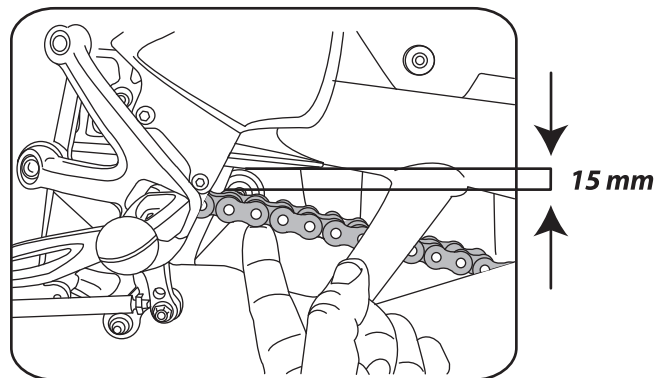
To perform this operation, you must put the motorcycle on the rear stand, upright on a horizontal surface and with the gear in neutral. Never try to repair or replace a drive chain. It is a complex and particularly dangerous operation and, therefore, it has to be performed by the Benelli Authorized service centers.

DANGER

Riding your motorcycle when the drive chain is in poor condition or improperly adjusted can lead to accidents.

If you notice any anomaly in the working of the drive chain, like suspected noises or excessive loose of the chain, go immediately a Benelli Authorized service center.

Wherever you suspect that can exist a serious failure of the drive chain, stop immediately the motorcycle and call the nearest Benelli Authorized service center. Every time the chain is replaced, you must always replace the front and rear sprockets too.





TRE 1130 K

Since 1911

6.10.1 Cleaning

The chain of BENELLI TRE 1130 K is of the O-RING type.

To prevent it from damaging, never clean the chain with a steam or high pressure water jet, nor use gasoline or other solvents.

Chain shall be cleaned using suitable products for cleaning O-ring chains.





THE 1130 K

since 1911

6.10.2 Lubrication

Chain lubrication has to be performed only by a Benelli Authorized service center according to the intervals specified in the tables of scheduled maintenance. It is necessary to perform this operation every 500 km (310.68 mi), every time bike is ridden under the rain and after the bike is washed.

Riding your motorcycle when the drive chain is in poor condition or improperly adjusted can lead to accidents. To ensure proper operation, the drive chain needs to be properly lubricated.



DANGER

Correct tightening of the tensioner lock nuts is essential to rider and passenger safety.





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6.11 Replacing the fuses

The replacement of the fuses has to be performed only by a Benelli Authorized service center.

Only in case of extreme urgency and if it is not possible to have a specialized technical assistance, the operation can be carried out by the owner according to the indications provided below.



WARNING
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.

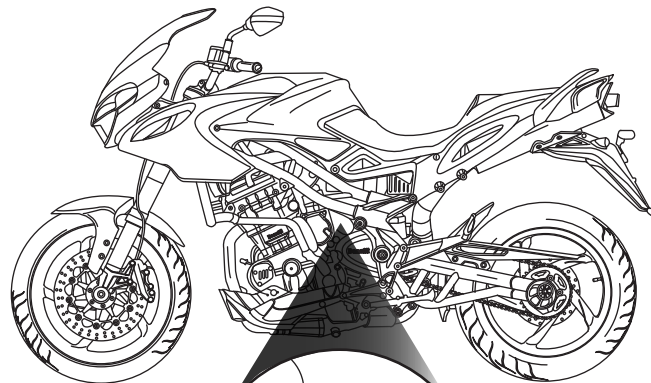
The recharge fuse is located on the left side of the motorcycle, in the position shown in the figure.

Service fuses are located under the seat; remove the saddle to gain access to the fuses.

Remove the glovebox.

Replace the blown fuse and refit the cover.

The functions of the various fuses are given in the following legend.



40 Ah reload fuse

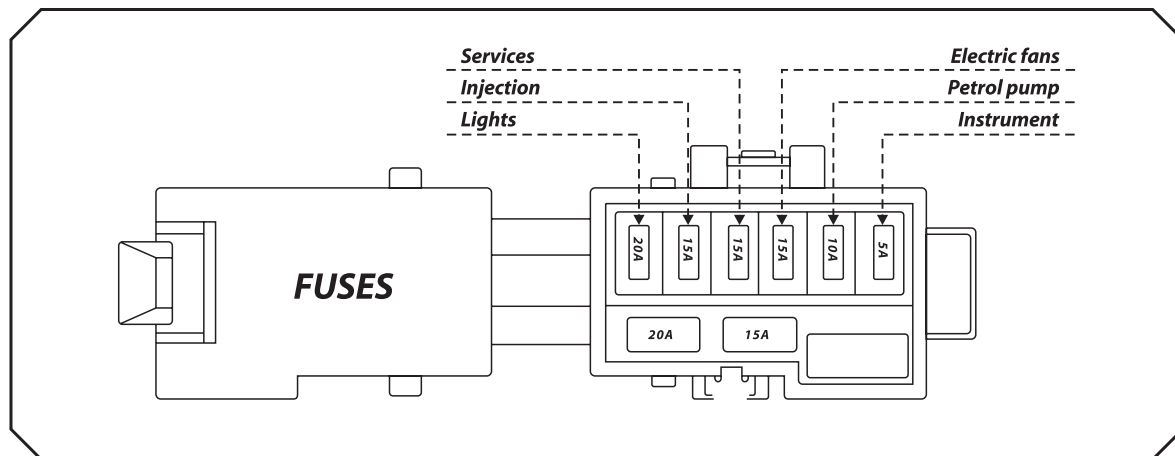
40 Ah supply fuse





THE 1130 K

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WARNING

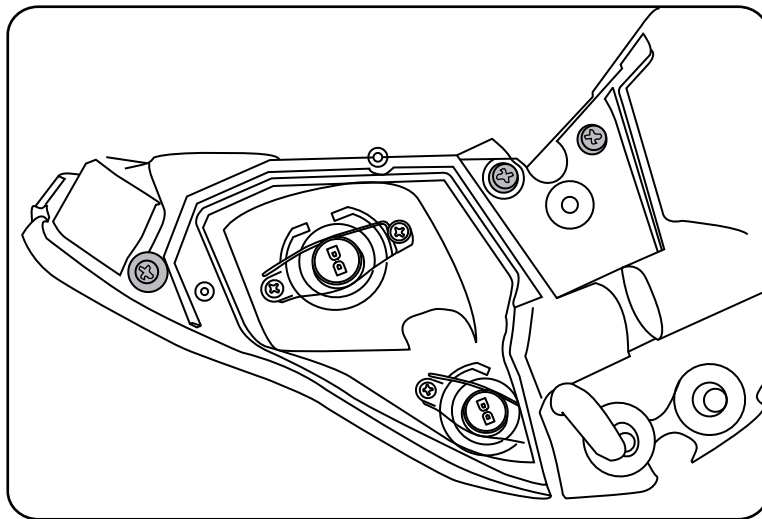
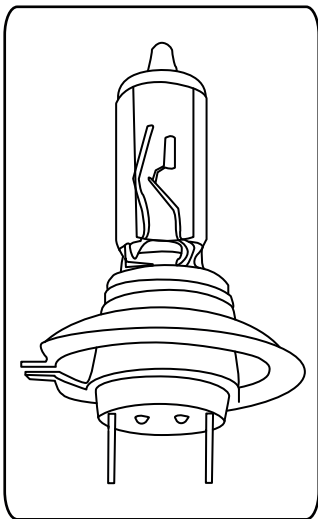
Never replace a fuse with a rating other than that prescribed, in order to avoid damage to the electrical equipment of the motorcycle which could lead to a fire.





6.12 Front projector lamps replacement

For the front projector lamps replacement, remove the right and left inspection covers, of the parable, unscrewing the 3 fixing screws. Remove the burned lamps.





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6.13 Battery

The battery is of the maintenance-free type and is installed under the 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), have it recharged by an Authorized Benelli dealer as soon as possible.

Remember that the battery runs down more quickly if your motorcycle is equipped with additive electrical accessories.

Always have the battery replaced by a Benelli Authorized service center.

DANGER

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 SKIN: Wash away with a great amount of water.

INGESTION: Drink great amounts of water or milk, and immediately call a doctor.

CONTACT WITH EYES: Wash away with water for about 15 minutes, 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.



CAUTION

The inversion of the battery wires can damage the battery and the recharging system.

The red wires must be connected to the positive terminal (+), while the black wires must be connected to the negative terminal (-).





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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, to avoid shortening the life of the battery, it is essential to have it recharged by a Benelli Authorized service center every 3-4 months, in order to guarantee its life in time.





6.14 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.

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.

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

Do not wash your motorcycle soon afterwards riding.

Attend a few minutes to allow the engine and the exhaust pipes to thoroughly cool.

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

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. Avoid cleaning the rims with fuel or solvents. Avoid using clothes or sponges that have been in contact with strong or abrasive detergents, solvents or gasoline.

To avoid irreparable damage to the front fairing, never use alkaline or strongly acid detergents, petrol, brake fluid or other solvents.

Clean the front fairing only with a soft cloth, warm water and a neutral detergent.





THE 1130 K

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CAUTION

Avoid smearing brakes or tyres with oil or wax.

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.





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6.15 Prolonged inactivity

If the motorcycle is not to be used for a long period, contact a Benelli Authorized service center to have the following operations carried out:

- Empty the fuel tank.
 - Remove the battery and store it in a suitable place.
 - Lubricate all control cables and the joints of all pedals and levers.
 - Clean the motorcycle and treat the paintwork with high quality wax.
 - Park your motorcycle in a fresh, dry and dark place, with a temperature relatively constant and lower than 25° C (77°F).
- Avoid direct contact of the tyres with heating pipes or radiators, and avoid 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 Benelli Q.J. that can be bought as optional.



WARNING

When the motorcycle is used the first time, carry out a general check and have it serviced at an Authorized service center.





TRE 1130 K

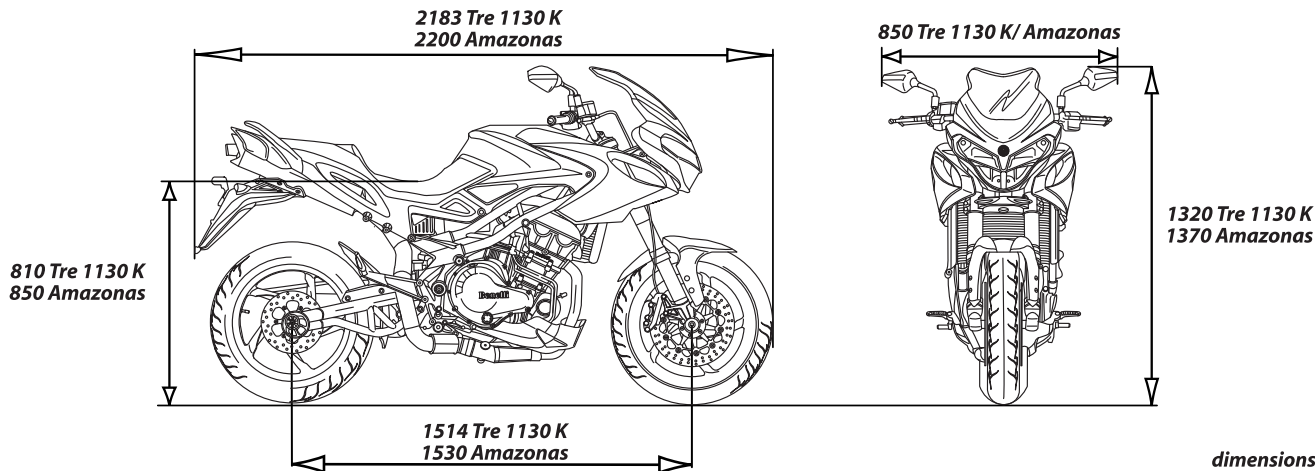
since 1911

7 Technical information

Benelli Q.J. reserves the right to make any changes to its models on the purpose of constantly conform them to the technological advance.

Therefore the technical data that are below, can be different from those that can be checked on the vehicle. Moreover some data, like the performance, are susceptible of alteration in function of the specific recording conditions, besides, of course, in function of the typical performance of every vehicle.

7.1 Specifications Tre 1130 K / Tre 1130 K Amazonas



dimensions in mm



**TRE 1130 K****since 1911**

| DIMENSION | Tre 1130 K | Tre 1130 K Amazonas |
|----------------|------------|---------------------|
| Overall length | 85.9 in | 86.6 in |
| Max. width | 33.4 in | 33.4 in |
| Max. height | 51.9 in | 53.9 in |
| Seat height | 31.8 in | 33.4 in |
| Wheelbase | 59.6 in | 60.2 in |

| WEIGHT | Tre 1130 K / Amazonas |
|---------------------------------------|-----------------------|
| Empty weight | 215 kg (473.9 Lbs) |
| Weight with fuel | 240 kg (529.1 Lbs) |
| Maximum weight technically acceptable | 440 kg (970 Lbs) |

| ENGINE | |
|--------------------|--------------------------------------|
| Type | four-stroke 12 Valves |
| Displacement | 1131 cm ³ |
| Number of cylinder | 3 |
| Cylinder position | aligned inclined by 15° forward |
| Bore stroke | 88x62 mm (3.4x2.4 in) |
| Compression ratio | 11.6 ± 0.5 : 1 |
| Idle speed | 1250 U/min |
| Distribution | double-overhead camshaft |
| Starting | electric starter |
| Clutch | multi disc in oil bath |
| Lubrication | forced wet sump |
| Cooling | liquid-type with water/oil exchanger |
| Filter oil | cartridge |
| Maximum net power | 92 kW to 9000 rpm* |
| Maximum net torque | 115 Nm to 6250 rpm |

*Also available these models with limited power: 72 kW to 8750 rpm - 37 kW to 8500 rpm - 25 kW to 6000 rpm.





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FUEL

| | |
|--------------------|--------------------------------------|
| Recommended | Lead-free premium petrol min. 95 RON |
| Fuel tank capacity | 20,5 lt (5.41 Gal) |
| Reserve fuel | 5 lt (1.32 Gal) |

ENGINE OIL

| | |
|---------------------------------------------------|---------------------------------|
| Recommended | SAE 10W-50 API SJ JASO MA |
| Total | 3,5 lt (1 Gal) |
| Quantity without oil filter cartridge replacement | 3,3 lt (0.8 Gal) |

IGNITION - POWER SUPPLY

| | |
|------------|------------------------------------------------------------------------------------------------------------|
| Type | "VALBRO TDD" integrated ignition-injection system. Inductive discharge electronic ignition "Multipoint" |
| Spark plug | CHAMPION RG4HC\ NGK CR9E |
| Spark gap | 0,7÷0,8 mm (0.027 ÷ 0.031 in) |

TRANSMISSION PRIMARY

| | |
|-----------------------------------|--------|
| Number of teeth on front sprocket | Z = 44 |
| Number of teeth on rear sprocket | Z = 79 |
| Transmission ratio | 1.795 |

TRANSMISSION PRIMARY

| | |
|---------------------------|--------|
| Number of teeth on pinion | Z = 16 |
| Number of teeth on crown | Z = 34 |
| Transmission ratio | 2.125 |





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| GEAR SPEED | Tre 1130 K | Tre 1130 K Amazonas |
|--------------------------------------|-----------------------------------------|---------------------|
| Type | Removable, six-speed gearbox with gears | |
| Gear ratio in first (overall ratio) | 2.786 (10.628) | 2.786 (11.566) |
| Gear ratio in second (overall ratio) | 1.944 (7.419) | 1.944 (8.073) |
| Gear ratio in third (overall ratio) | 1.524 (5.814) | 1.524 (6.327) |
| Gear ratio in fourth (overall ratio) | 1.304 (4.977) | 1.304 (5.416) |
| Gear ratio in fifth (overall ratio) | 1.167 (4.451) | 1.167 (4.844) |
| Gear ratio in sixth (overall ratio) | 1.038 (3.962) | 1.038 (4.312) |

| SUSPENSION FRONT | Tre 1130 K | Tre 1130 K Amazonas |
|------------------|-----------------------------------------|---------------------|
| Type | "Upside down" telescopic hydraulic fork | |
| Rod diameter | 50 mm (1.9 in) | 48 mm (1.8 in) |
| Travel range | 150 mm (5.9 in) | 175 mm (6.8 in) |

| SUSPENSION REAR | Tre 1130 K | Tre 1130 K Amazonas |
|--------------------|-------------------------------------------------------------------------------------------|---------------------|
| Type | Progressive, with mono shock absorber which can be in extension regulated, spring-loaded. | |
| Swingarm | Steel trestle | |
| Wheel travel range | 144 mm (5.6 in) | 180 mm (7 in) |

| FRAME | Tre 1130 K / Amazonas |
|-------|--------------------------------|
| Type | Steel-aluminium mixed solution |





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| BRAKE FRONT | Tre 1130 K | Tre 1130 K Amazonas |
|--------------------|-------------------|------------------------|
| Type | Double steel disc | Double wave steel disc |
| Disc diameter | 320 mm (12.5 in) | |
| Pincers | 4-piston | |

| RIMS FRONT | Tre 1130 K | Tre 1130 K Amazonas |
|-------------------|----------------------------------------|---------------------|
| Type | Aluminium alloy Tubeless with 5 spokes | Spoke Tube Type |
| Dimensions | 3,50" x 17" | 3,00" x 19" |

| BRAKE REAR | Tre 1130 K | Tre 1130 K Amazonas |
|-------------------|-------------------|---------------------|
| Type | Single steel disc | |
| Disc diameter | 240 mm (9.4 in) | 255 mm (10 in) |
| Pincer | 2-piston | |

| RIMS REAR | Tre 1130 K | Tre 1130 K Amazonas |
|------------------|----------------------------------------|---------------------|
| Type | Aluminium alloy Tubeless with 5 spokes | Spoke Tube Type |
| Dimensions | 6,00" x 17" | 4,25" x 17" |





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| TYRES FRONT | | Tre 1130 K | Tre 1130 K Amazonas |
|----------------------------|-------------------|-------------------|----------------------------|
| Dimensions | | 120/70-ZR17 (58W) | 110/80-R19 (59W) |
| Maximum inflating pressure | only pilot | 2,3 bar | 2,3 bar |
| | pilot + passenger | 2,3 bar | 2,3 bar |
| | full cargo | 2,3 bar | 2,3 bar |

| TYRES REAR | | Tre 1130 K | Tre 1130 K Amazonas |
|----------------------------|-------------------|-------------------|----------------------------|
| Dimensions | | 180/55-ZR17 (73W) | 150/70-R17 (69W) |
| Maximum inflating pressure | only pilot | 2,4 bar | 2,2 bar |
| | pilot + passenger | 2,4 bar | 2,5 bar |
| | full cargo | 2,5 bar | 2,5 bar |

| ELECTRICAL | Tre 1130 K / Amazonas |
|------------------------|------------------------------|
| Equipment voltage | 12 V |
| Low beam | 2X 12V-55W |
| High beam | 2X 12V-55W |
| Front light | 2X 12V-5W |
| Rear light-Brake light | LED |
| Front turn indicators | 2X 12V-5W |
| Rear turn indicators | 2X 12V-6W |
| Battery | 12V-14 Ah |
| Alternator | 480W a 5000 rpm |



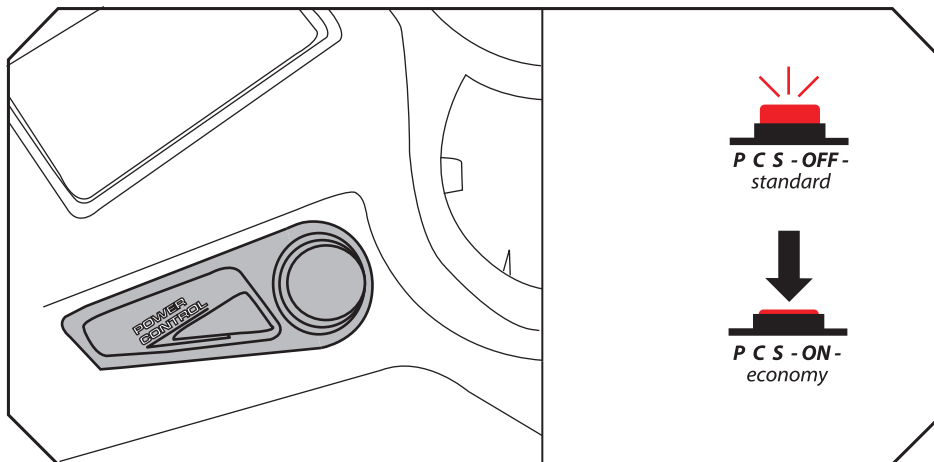


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8 *Power Control System*

8.1 *Power Control System*





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8.1.1 Power Control System

This system allows to select two different settings of the tune:

STANDARD:

With button in OFF position (light on) the engine performs 137hp (87kW)*

ECONOMY:

With button in ON position (light off) the engine performs 112 hp (72 KW) allowing a more linear distribution, a decreased fuel consumption included between 10% and 20% depending on the road.*

In particular way it allows an easier control of the bike in low grip condition of the road.



DANGER

Do not activate the Power Control System when the bike is running.

* For countries having power limits standard tune 72 kW.





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Benelli suggestions original accessories

Benelli
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SELENIA
MOTO-RIDER

Version July 2007/02
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