



MINITRIAL LC

Thanks for your preference, and have a good time! This handbook contains the information you need to properly operate and maintain your motorcycle.

The data, specifications and images shown in this manual does not constitute an engagement on the part of BETAMOTOR S.p.A. BETAMOTOR reserves the right to make any changes and improvements to its models at any moment and without notice.

Code 010440020 000

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SAFETY WARNINGS



It is prohibited to ride on a public road.



Carefully read the owner's manual.

This vehicle is not a toy, it can only be used for the practice of the offroad, always under the supervision of an adult. The practice of the offroad has risks, an adult person must control at all times that the motorbike is not used in a dangerous way.



This vehicle can only be used under the supervision of an adult.



This vehicle is not suitable for children under 6 years old.

All children above 6 years old must be evaluated in their ability to ride the bike through prior training. All children allowed to ride the vehicle off-road must have appropriate supervision by a competent adult.

This vehicle does not have a speed limiter and therefore must not be used by beginners.

The vehicle has no horn.



The vehicle is not designed to carry a passenger.



Put on the suitable protections. Helmet, boots and gloves are fundamental protection elements to be able to use this vehicle in a secure way. It is also advisable to use kneepads, shinpads and other protections for the back.

Do not manipulate the vehicle, all maintenance operations must be made by an authorised professional. The vehicle has been designed with enough protections to avoid contact with the most dangerous mobile elements. It is totally forbidden to take them away.

Avoid electronic components getting into contact with water. The vehicle has not been designed to circulate with rain.

The vehicle it has no lighting device: it is highly recommended not to use it during the night and with poor visibility.

SYMBOLS



SAFETY/ATTENTION

Failure to respect information marked with this symbol can entail a personal hazard.



INTEGRITY OF THE VEHICLE

Failure to respect information marked with this symbol can entail serious damage to the vehicle and termination of the warranty.



BURN HAZARD

Contact with these surfaces can cause severe burns.



MOVING PARTS HAZARD

Risk of dragging, cutting, crushing.

Do not come close to or introduce body parts into the gears or in all parts which could start up automatically.



FLAMMABLE LIQUID HAZARD



Read the use and maintenance manual carefully.



MANDATORY TO WEAR PROTECTIVE CLOTHING

Use of the vehicle is subject to wearing specific protective clothing and safety footwear.



FORBIDDEN TO RIDE ON PUBLIC ROAD



FORBIDDEN TO CARRY A PASSENGER



MINIMUM AGE ADMITTED TO USE THE VEHICLE



CONSTANT SUPERVISION BY AN ADULT



PROTECTIVE GLOVES MANDATORY

To perform the operations described, it is mandatory to wear protective gloves.



FORBIDDEN TO USE NAKED FLAMES OR POSSIBLE UNCONTROLLED IGNITION SOURCES



NO SMOKING



DO NOT USE MOBILE PHONE



CORROSIVE SUBSTANCES HAZARD

Liquids marked with this symbol are highly corrosive: handle with care



POISONING HAZARD

WARRANTY

1. Procedure:

To validate the warranty, go to an authorised Betamotor workshop.

The Warranty lasts two years from the date of purchase of the vehicle.

2. Limitations of the warranty:

2.1. All replacements, repairs or handling made outside authorized Betamotor dealer will result in the loss of the warranty.

2.2. Repair or maintenance operations carried out at authorised Betamotor workshops not performed in a workmanlike manner.

2.3. Vehicles that have taken part in any competition are excluded from the warranty.

2.4. Those used for rental services are excluded from the warranty.

2.5. Depending on how the vehicle is used, consumable parts such as transmission chain, pinion, crown, tyres and brake pads could have a shorter life time than the validity of the warranty. Betamotor reserves the right to verify whether the defect results from normal wear or anomalous use.

2.6. Vehicles which have been used or maintained in a different way to that established in this manual.

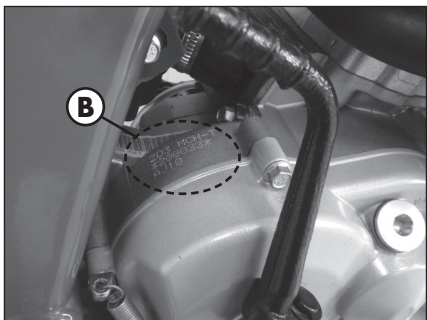
2.7. Damages and deformations of the chassis, swinging arm, wheels and shocks, produced by the use of the vehicle on extreme conditions, are excluded from the guarantee. By extreme conditions we mean:

2.7.1. Use by a pilot of a weight exceeding that given in the table "weights" at page 12.

2.7.2. Sports driving, jumps, obstacles or any type of acrobatics.

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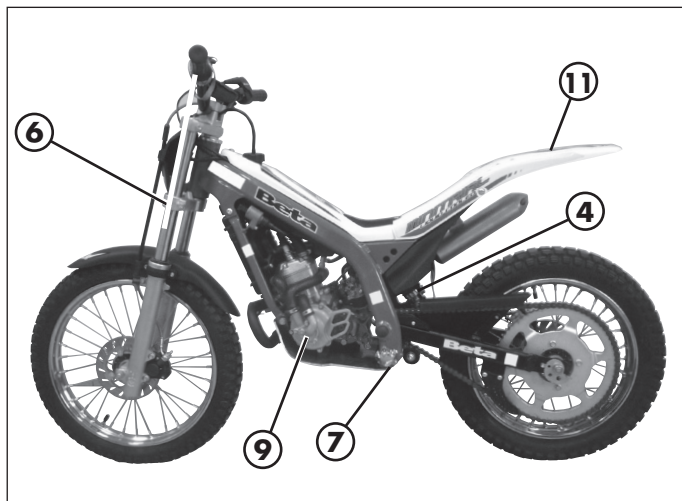
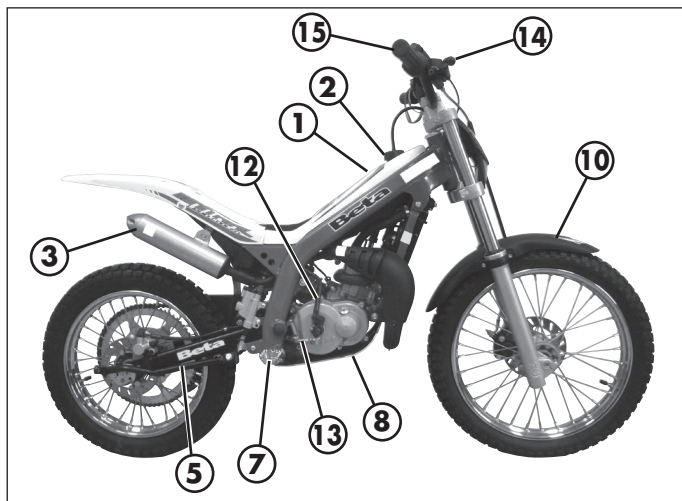


FRAME IDENTIFICATION

ENGINE IDENTIFICATION

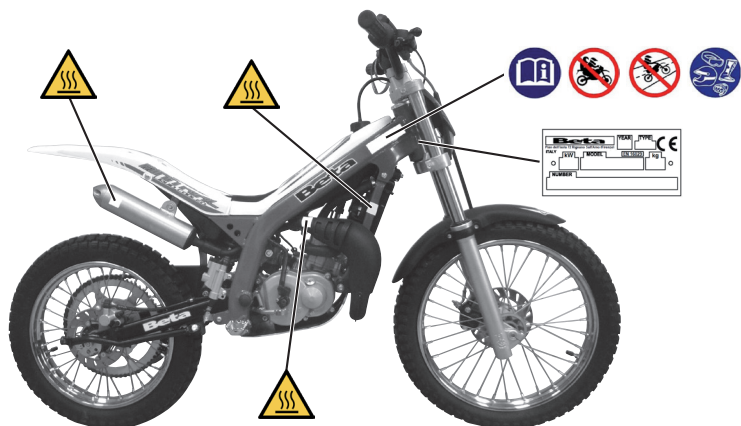
Engine identification data **B** are stamped in the area shown in the picture.

FAMILIARIZING WITH THE VEHICLE



MAIN PARTS

- | | |
|-------------------------|------------------------|
| 1 - Fuel tank | 9 - Engine |
| 2 - Tank cap | 10 - Front mudguard |
| 3 - Silencer | 11 - Rear mudguard |
| 4 - Rear shock absorber | 12 - Kick-start |
| 5 - Side stand | 13 - Rear brake lever |
| 6 - Fork | 14 - Front brake lever |
| 7 - Rider's footrests | 15 - Throttle |
| 8 - Lower bumper | |



BURN HAZARD



MANDATORY TO WEAR PROTECTIVE CLOTHING



READ THE USE AND MAINTENANCE MANUAL CAREFULLY



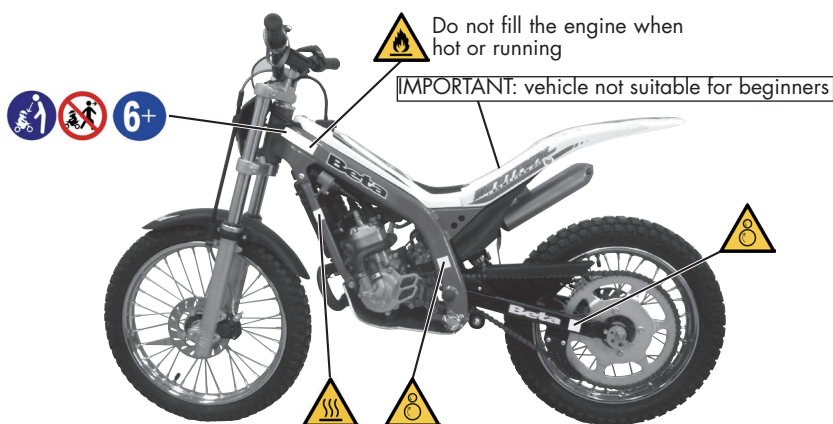
FORBIDDEN TO RIDE ON PUBLIC ROAD



FORBIDDEN TO CARRY A PASSENGER



CE PLATE



6+ / MINIMUM AGE ADMITTED TO USE THE VEHICLE



THIS VEHICLE CAN ONLY BE USED UNDER THE SUPERVISION OF AN ADULT

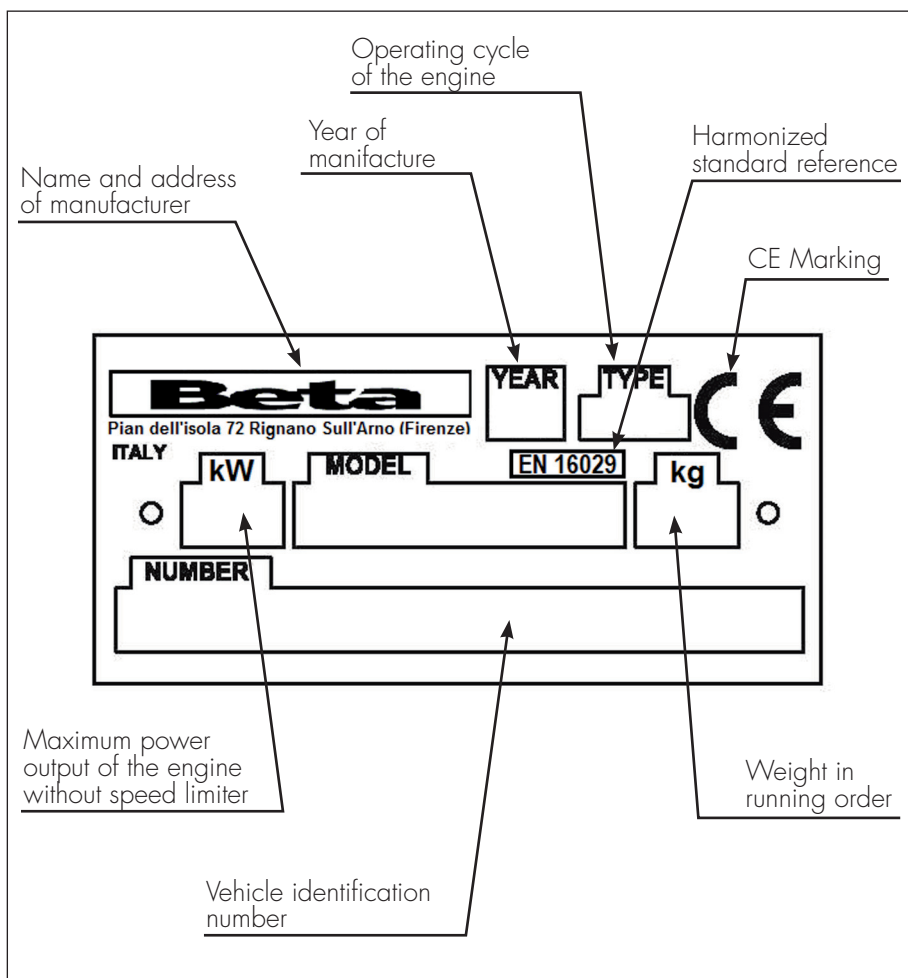


FLAMMABLE LIQUID HAZARD



MOVING PARTS HAZARD

IDENTIFICATION PLATE



SPECIFICATIONS

WEIGHTS

Weight in running order.....38 kg
 Allowed load weight35 kg

VEHICLE DIMENSIONS

maximum length.....1530 mm
 maximum width650 mm
 maximum height995 mm
 wheelbase.....1005 mm
 saddle height.....570 mm
 ground clearance.....255 mm

TYRES

Dimensions		Pressure [Bar]	
Front tyre	Rear tyre	Front tyre	Rear tyre
2,50 - 16	2,75 -14	0,5 ÷ 0,8	0,5 ÷ 0,8

CAPACITIES

fuel tank.....2 liters
 coolant circuit.....370 ml
 engine oil.....150 ml

FRONT SUSPENSION

Wheel excursion [mm]	132	
	Right fork leg	Left fork leg
Oil type	Rol L122	
Oil level [ml]	170	170

REAR SUSPENSION

Length spring in its seat [mm]	115
Wheel excursion [mm]	120

FRONT BRAKE

Disk-type with hydraulic control Ø 160 mm

REAR BRAKE

Disk-type with hydraulic control Ø 150 mm

ENGINE

Type Single-cylinder, 2T
 Bore x stroke [mm] 48 x 40
 Displacement [cm³] 72,4
 Pressure ratio 7,96:1
 Fuel system carburettor without mixer (oil mixture with gasoline 1,5%)

CARBURETTOR

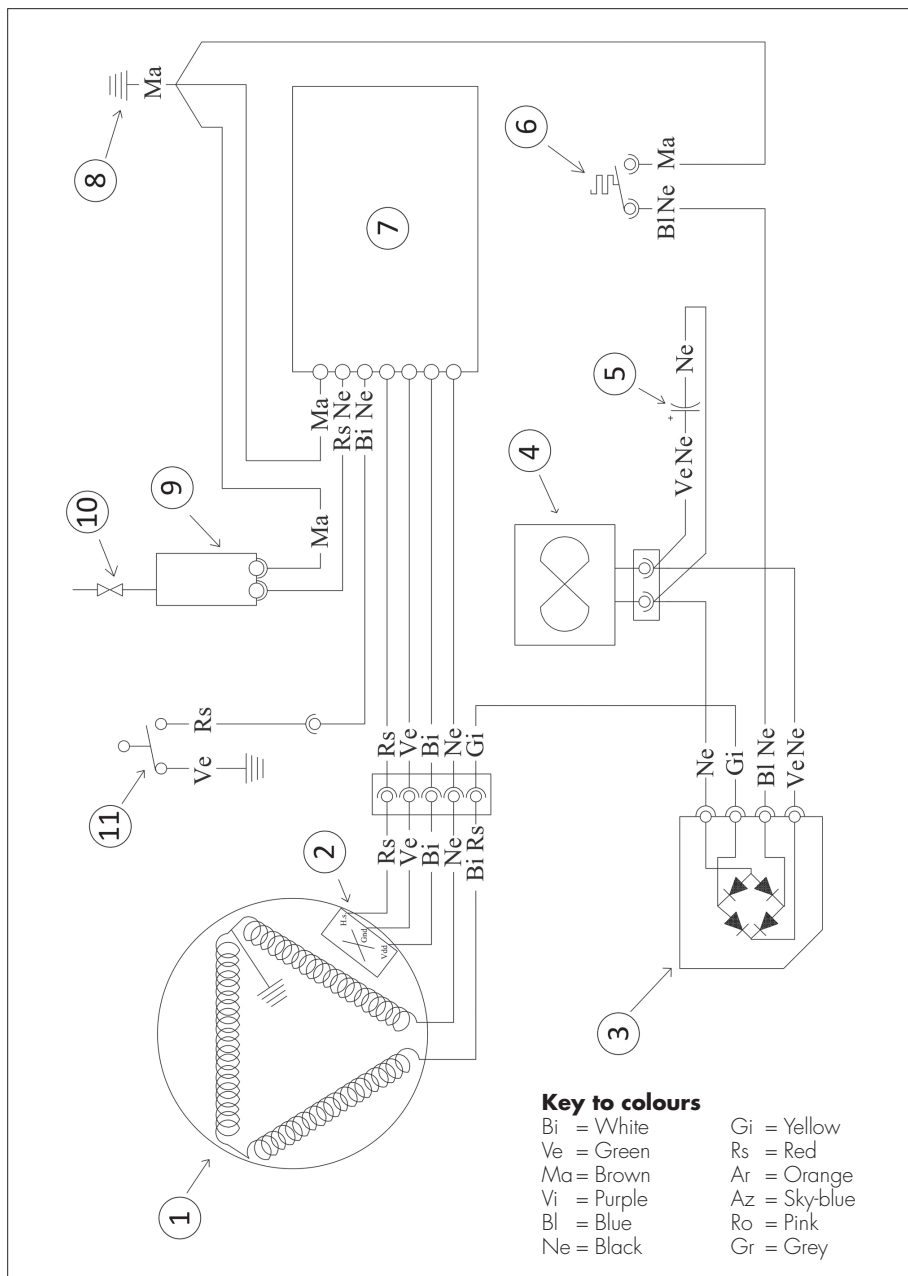
Carburettor type	Dell'Orto PHBN Ø17,5mm
Main jet	72
Slow jet	34
Start jet	55
Needle	A7
Needle position (from top)	2°
Air screw turns (from all closed)	4+3/4

GEAR BOX

Primary drive	15/58
Secondary drive	10/66
Automatic centrifugal clutch in oil bath	

Cooling system forced liquid circulation by pump
 Spark plug CHAMPION RN3C
 Noise 80 dB (LWA)
 Made in ITALY
 Country of origin ITALY

ELECTRICAL SYSTEM ELECTRICAL DIAGRAM



LEGEND ELECTRICAL DIAGRAM

- 1) STATOR
- 2) PICK-UP
- 3) RECTIFIER FL408
- 4) ELECTROFAN
- 5) CONDENSER 4700 μ F
- 6) THERMAL SWITCH
- 7) ECU - ELECTRONIC CONTROL UNIT
- 8) FRAME EARTH
- 9) H.T. COIL
- 10) SPARK PLUG
- 11) ENGINE SWITCH OFF

1

RECOMMENDED LUBRICANTS AND LIQUIDS

For better operation and longer vehicle life, we advise you to use the products listed in the following chart:

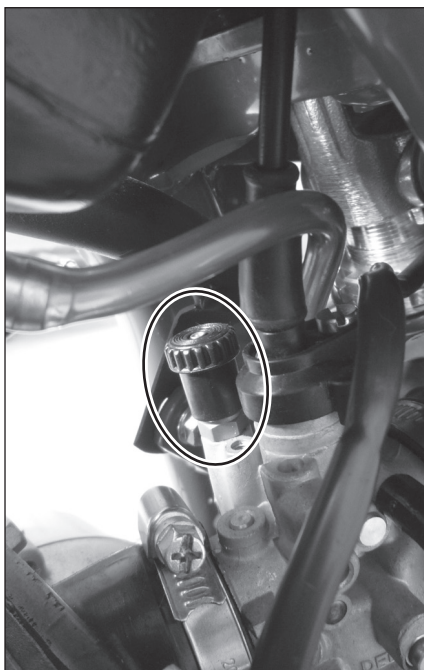
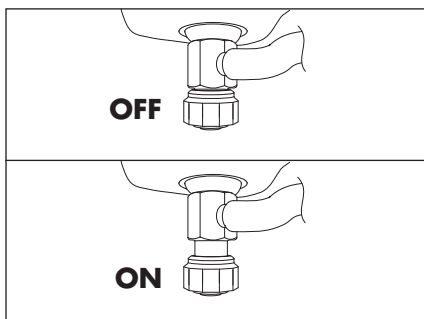
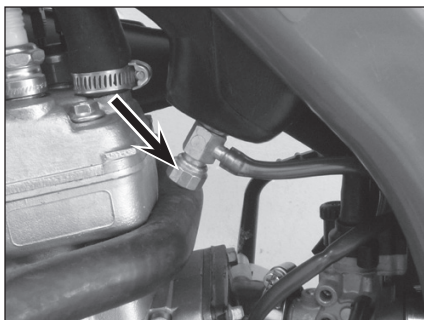
PRODUCT TYPE	SPECIFICATIONS
OIL MIXTURE	LIQUI MOLY RACING SYNTH 2T
GEAR AND CLUTCH OIL	LIQUI MOLY RACING 4T 20W40
BRAKE OIL	LIQUI MOLY BRAKE FLUID DOT 4
FORK OIL	ROL LI22
TIE ROD GREASE	LIQUI MOLY SCHMIERFIX
LIQUID COOLANT	LIQUI MOLY COOLANT READY MIX RAF12 PLUS

Note:

It is essential that all renewals should be performed with the products listed in the table above.

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MAIN PARTS

FUEL COCK

Fuel valve has two positions:

OFF: fuel supply closed. Fuel cannot pass from the tank to the carburettor.

ON: fuel supply enabled. Fuel flows from the tank to the carburettor and the tank empties completely.

Turn the knob to switch from OFF to ON and vice versa.

STARTER

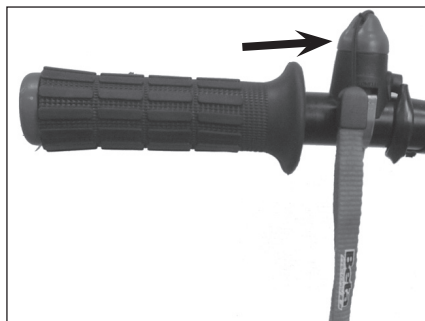
The starter lever is located on the carburettor.

To activate it, pull the knob upwards and turn it anticlockwise.

Turn the knob clockwise to put it back at the rest position.

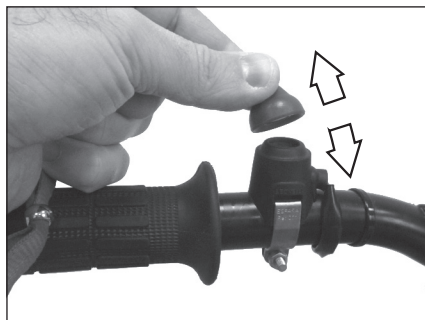
TEAR-OFF STOP DEVICE

The switch-off device is located on the left-hand side of the handlebar and it tears off.



The tear-off stop device turns off the engine when the magnetic button is removed from its seat.

There are two possible conditions:
Button inserted: the engine may start.
Button released: the engine stops/does not start.

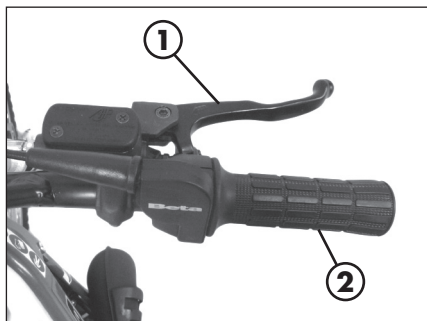


For correct use, wrap the strap around the wrist and adapt the width of the strap at the wrist with the slider.



Grip the handlebar.





FRONT BRAKE LEVER AND GAS CONTROL

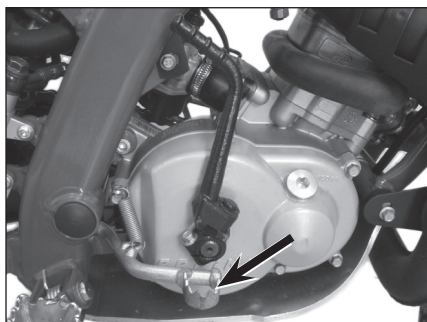
The front brake lever **1** and the gas throttle **2** are located on the right side of the handlebar.

Pulling the lever **1** towards the handlebar engages the front brake.



WARNING! Do not touch the brake caliper and the disk after long and continuous use of the braking system.

Turning the knob **2** to the rear increases engine rotation speed, turning it to the front reduces it.



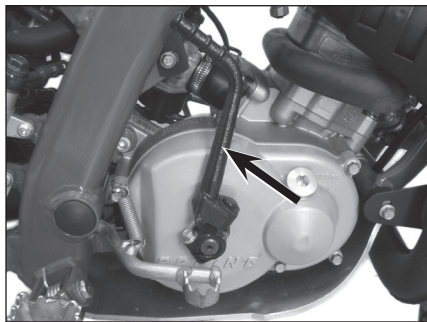
BRAKE PEDAL

Brake pedal is located in front of the right-hand footrest.

The rear brake is operated by pressing down the pedal.



WARNING! Do not touch the brake caliper and the disk after long and continuous use of the braking system.



KICK-START

The kick-start pedal is located on the right side of the engine. The upper part is rotatable

SIDE STAND

Press down side stand with the foot and lean the vehicle against it. Ensure that the ground is solid and the vehicle stands steadily.

WARNING! Do not climb on the vehicle with the side stand lowered.

WARNING! The kickstand has an automatic closing device. When the vehicle weight on the kickstand is reduced, it closes automatically.

The stand is dimensioned to sustain the weight of the vehicle. Overloading it could entail a potential hazardous condition.



2 CHECKS BEFORE AND AFTER USE

For safe driving and long vehicle life you should:



Check all fluid levels.



Check the correct operation of the brakes and brake pad wear (page 37 and page 40).



Check pressure, general condition and thickness of tread (page 12).

- Check that the spokes are properly tightened.
- Check the chain tension (page 44).



Check the adjustment and the operation of all the cable controls.



Inspect the tightening of all the nuts and bolts.

- Wash the motorcycle thoroughly after off-road use (page 45).

BREAKING IN

The breaking-in period lasts 3 hours, during which it is advisable to:

- Avoid travelling at constant speed.
- Avoid turning the throttle more than 3/4 of the way.

WARNING:

Change gearbox oil when the running-in stage has finished.

This procedure should be followed each time piston, piston rings, cylinder, crankshaft or crankshaft bearings are replaced.

FUELLING

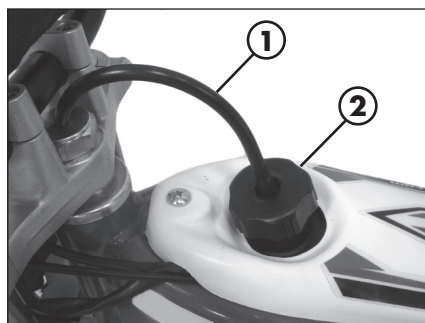
Use a blend of high-octane unleaded gasoline and synthetic oil at 1,5%.

Fuel tank capacity is shown on page 12.

Disconnect the ventilation pipe **1**.

To open the fuel tank' cap **2**, turn it anti-clockwise.

To close the fuel tank's cap, set it on the tank and screw it clockwise.



When the operation is finished, reconnect the ventilation pipe.

For the type of oil mixture refer to the "Recommended fluids and lubricants" table.



WARNING:

Fire hazard. Fuel is highly flammable.



Always stop the engine when refuelling and keep open flames and lighted cigarettes away.



Do not top up fuel while using a mobile phone.

Refuel in an open well ventilated area.

Pay special attention so that the fuel does not come into contact with hot parts of the vehicle. Immediately clean up any spilled fuel.



WARNING: Risk of poisoning.

Fuel is poisonous liquid and a health hazard.



Fuel must not come into contact with the skin, eyes, and clothing. Do not breathe in the fuel vapours. If contact occurs with the eyes, rinse immediately with plenty of water and seek medical advice. If contact occurs with skin, immediately clean contaminated areas with soap and water. If fuel is swallowed, contact a doctor immediately. Change clothing that is contaminated with fuel.

WARNING: Environmental pollution hazard.

The fuel must not contaminate the ground water, the ground, or the sewage system.

STARTING THE ENGINE

Move the fuel tank valve in **ON** position (see page 18).

Check that the button is inserted correctly in the tear-off stop device (page 19).

KICKSTART (page 20):

depress the kick-starter with a sharp movement of the foot.

ATTENTION

Once the pedal has been depressed, release it immediately. This avoids jolts to the entire ignition group and to the foot.

COLD STARTING:

operate the starter (page 18), start the vehicle, wait a few seconds, then move the starter back to its starting position.

ENGINE SHUT-DOWN

To shut-down the engine:

Remove the button from the tear-off stop device (page 19).

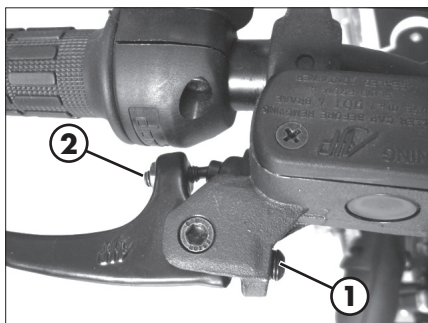
NOTE:

With the engine off, make sure the fuel cock is set to **OFF** (page 18).

CHAPTER 3 ADJUSTMENTS

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BRAKES

FRONT BRAKE

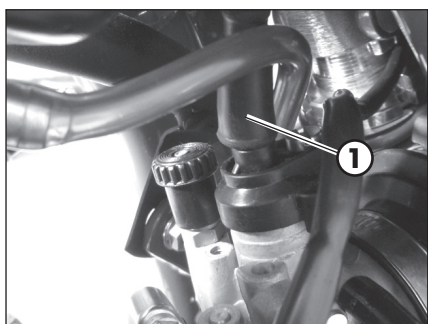
The front brake is disk type with hydraulic control.

The position of the lever is controlled through the use of register **1**.

Once the position of the lever has been changed, register **2** must be changed to restore the initial correct clearance.



WARNING: reduced play causes brake overheating leading to sudden lockup of the wheel.

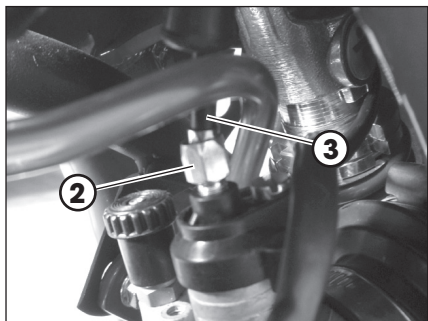


ADJUSTMENT OF GAS CLEARANCE

The throttle control cable should always have a 3-5 mm play. In addition, the idle speed should not change when the handlebars are fully rotated to the left or right.

To adjust the clearance proceed as follows:

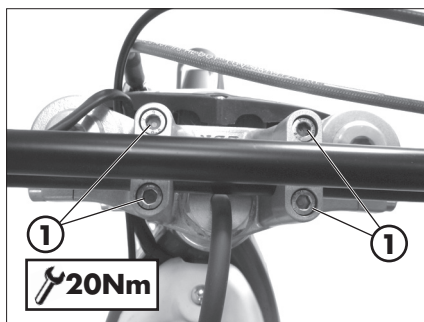
- Push upwards the rubber cap **1**.
- Rotate register **2** with respect to sheath **3**.
- Push the rubber cap towards the carburettor when correct backlash is achieved.



HANDLEBAR

The handlebar can be adjusted by rotating it back and forth.

- To adjust the handlebar loosen screws **1**.
- Position the handlebar according to requirements.
- Tighten to the torque indicated.



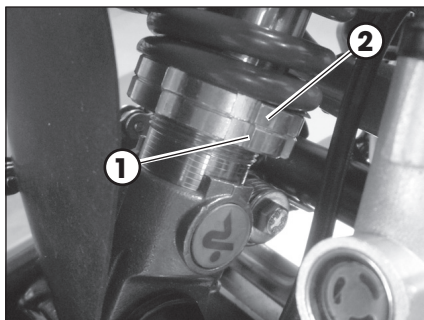
SHOCK ABSORBER

ADJUSTING THE SPRING PRELOAD

To adjust the spring preload, use the procedure described below.

Loosen counter-ring **1**, rotate ring **2** clockwise to increase the spring preload (and consequently the shock absorber preload) or anticlockwise to decrease it.

After obtaining the desired preload, turn counter-ring **1** until it stops against adjusting ring **2**.

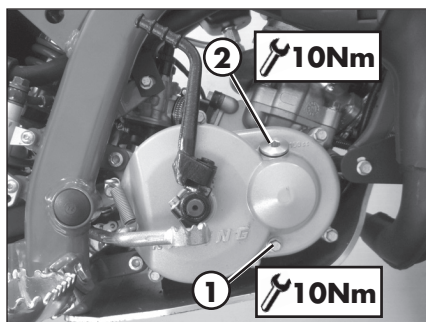


For standard calibration, refer to page 12.

NOTE: for movement of the rings use a specific sector key with square pin.

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ENGINE OIL

CHECK THE LEVEL

Hold the vehicle upright.

With the engine cold, remove the inspection screw **1** and make sure that the oil touches the bottom edge of the thread. If the level is lower than prescribed:

- remove the filler cap **2**;
- top up until the condition indicated above is achieved.

When the operation is over, apply the screws **1** and **2**.

Tighten the screws to the prescribed torque values.

REPLACEMENT

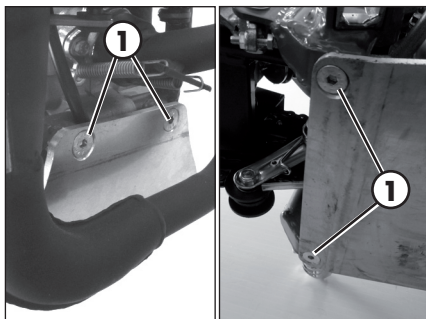
Always perform the replacement when engine is hot:

- Position the drive on a flat base ensuring stability.
- Place a container under the engine.



WARNING:

Hot oil can cause severe burns!



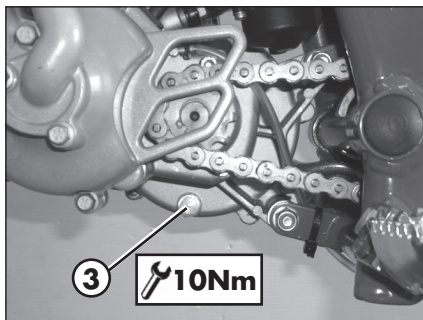
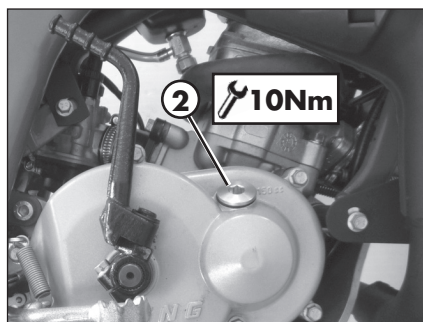
- Remove the screws **1** and disassemble the under engine plate.

- Unscrew filler plug **2** and drain plug **3**.
- Drain all the oil from the crankcase.
- Close plug **3**.

Pour in the quantity of liquid indicated on page 12.

Use the liquid indicated on page 16 in the "Recommended lubricants and liquids" table.

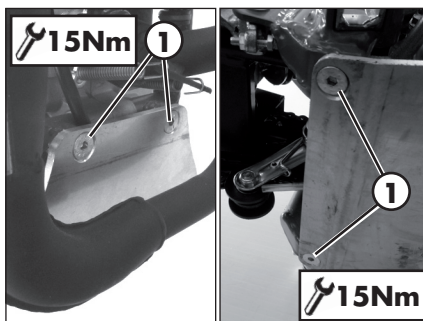
Screw on filler cap **2** again.



Apply the under engine plate and tighten the screws to the specified torque.

WARNING:

Dispose of used oil in compliance with standards in force and in the specific collection areas.



4 LIQUID COOLANT

CHECK THE LEVEL

Keep the vehicle in vertical position relative to the ground.

The level of the coolant must be checked when the engine is cold. Use the following procedure:

- Unscrew cap **1** and ensure that the liquid is visible in the lower portion of the loading tube.
- If no liquid is visible at the bottom of the load pipe, top it up.

Use the oil indicated on page 16 in the "Recommended lubricants and liquids" table.



WARNING:

Never unscrew the filler cap of the radiator when the engine is hot. Danger of burning!



WARNING:

Wear appropriate protective clothing and protection gloves.



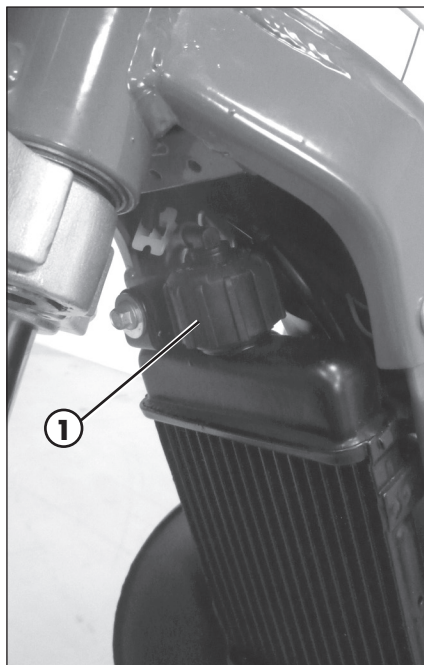
Keep coolant out of reach of children.



Avoid any direct contact of the coolant with skin, eyes or clothing. If this happens:

- with the eyes, rinse immediately with plenty of water and seek medical advice.
- with skin, Immediately clean contaminated areas with soap and water Change clothing that is contaminated with coolant.

If coolant is swallowed, contact a doctor immediately.



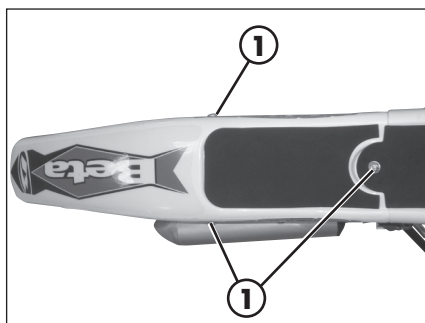
AIR FILTER

Check after every ride.

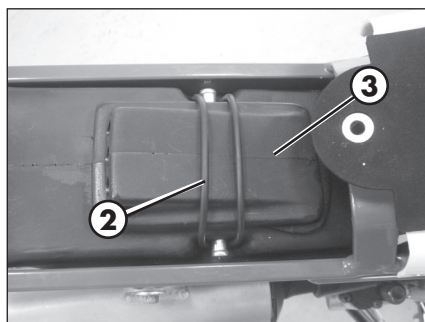
REMOVING AND INSTALLING AIR FILTER

To access the filter is necessary:

- Remove the screws **1**.



- Release rubber band **2**.
- Remove the air filter cover **3**.



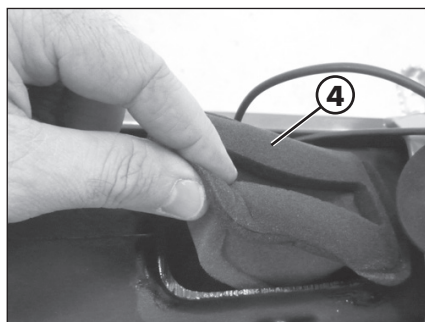
- Pull out air filter **4**.



WARNING:

After every intervention, check that nothing has been left inside the filter box.


Reassemble by performing the operations in reverse order.




4 AIR FILTER CLEANING

- Thoroughly wash the filter with water and specific soap for washing filters.
- Dry the filter in a ventilated area.
- Wet the filter with filter oil and then remove the excess oil to prevent it from dripping.
- If necessary also clean the interior of the filter box.

 **WARNING:**
Do not clean the filter with gasoline or petrol.

 **NOTE:**
If the filter is damaged, replace it immediately.
To replace the damaged filter, contact authorised Betamotor customer service.

 **WARNING:**
Never use the vehicle if the air filter is not in place. The infiltration of dust and dirt can cause damage and considerable wear.

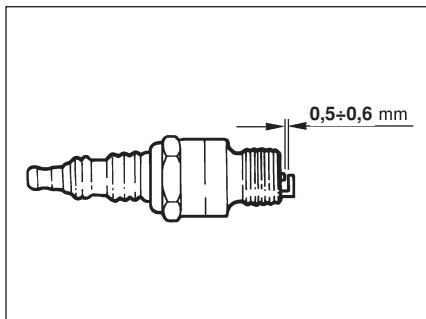
 **WARNING:**
After every intervention, check that nothing has been left inside the filter box.

SPARK PLUG

Keeping the spark plug in good condition will reduce fuel consumption and increase engine performance.

To perform the check, just extract the spark plug cap and unscrew the spark plug by means of the provided wrench.

Measure the spark gap with a thickness gauge. The gap should be 0,5 - 0,6 mm. If the gap is not as specified, restore the proper gap by bending the earth electrode.



Check as well that there are no cracks in the insulation or corroded electrodes. If so, replace immediately.

When replacing the spark plug, screw it in by hand until it stops, then tighten.

 **WARNING:**
Do not check while the engine is hot.

FRONT BRAKE

CHECK THE LEVEL OF THE FRONT BRAKE FLUID

Check the level of the brake fluid through sight **A**. The minimum level of the liquid must never be less than half the sightglass.

RESTORING THE LEVEL OF THE FRONT BRAKE FLUID

To restore the level of the brake fluid, loosen the two screws **1**, lift cap **2** and add brake fluid until its level is 5 mm below the upper rim of the reservoir.

Use the liquid indicated on page 16 in the "Recommended lubricants and liquids" table.



WARNING:

The brake fluid is extremely corrosive. Take care not to spill it on the paintwork.



Wear appropriate protective clothing and protection gloves.



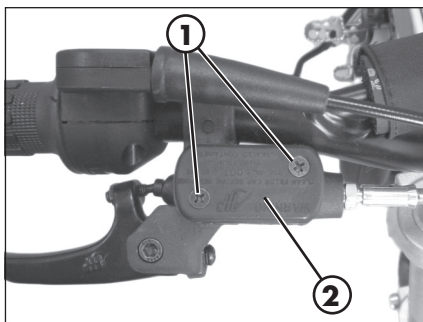
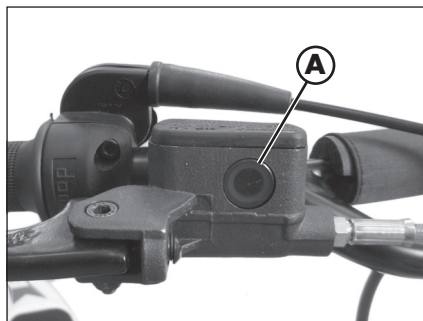
Keep liquid out of reach of children.

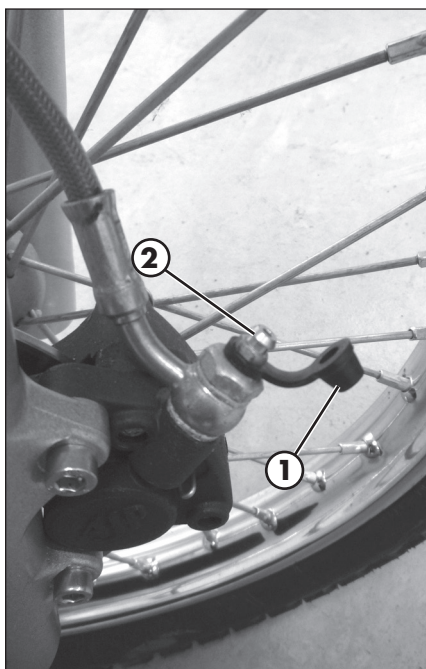


WARNING: Avoid any direct contact of the liquid with skin, eyes or clothing. If this happens:

- with the eyes, rinse immediately with plenty of water and seek medical advice.
- with skin, immediately clean contaminated areas with soap and water. Change clothing that is contaminated with liquid.

If liquid is swallowed, contact a doctor immediately.





BLEEDING THE FRONT BRAKE

To bleed air from the front brake circuit, proceed as follows:

- Remove the rubber cap **1** from the valve **2**.
- Open the sump cap.
- Place one end of a small transparent tube into the valve **2**, and the other end inside a container.
- Pump with the brake lever 2/3 times and keep the lever pressed.
- Unscrew the valve and let the oil drain.
- If air is still visible in the tube repeat above operation until obtaining a continuous outflow of oil without air bubbles.
- Close the valve and release the lever.

NOTE:

During this procedure, continuously top up the brake pump tank to replace the oil that is out flowing.

- Remove the tube.
- Replace the rubber cap.
- Close the oil reservoir cap.

Use the liquid indicated on page 16 in the "Recommended lubricants and liquids" table.



WARNING:

The brake fluid is extremely corrosive. Take care not to spill it on the paintwork.



Wear appropriate protective clothing and protection gloves.



Keep liquid out of reach of children.



WARNING: Avoid any direct contact of the liquid with skin, eyes or clothing.
If this happens:

- with the eyes, rinse immediately with plenty of water and seek medical advice.
- with skin, immediately clean contaminated areas with soap and water. Change clothing that is contaminated with liquid.

If liquid is swallowed, contact a doctor immediately.

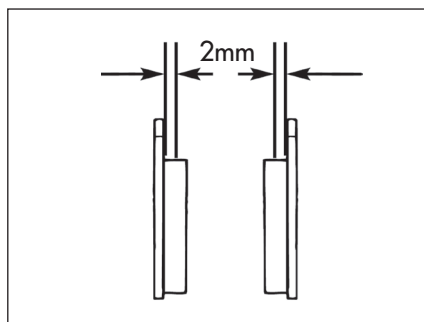
FRONT BRAKE LINING CONTROL

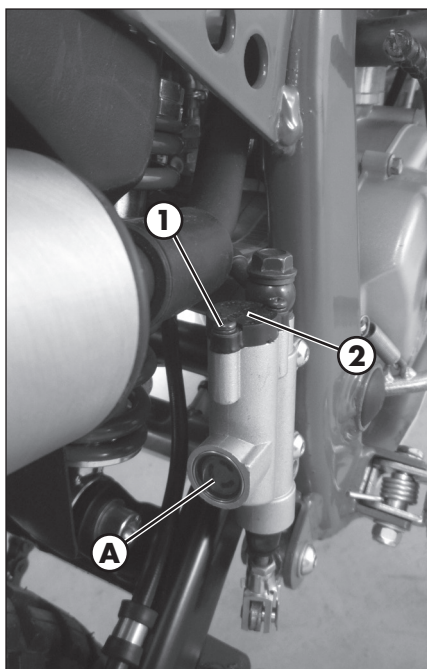
In order to verify the wear condition of front brake is enough to view the caliper from the bottom, where is possible to glimpse the brake lining tails which will have to show a brake of 2 mm in thickness. If the stratum is lesser let's start replacing them.

Note:

Perform the check according to the times shown in the table on page 47.

To replace, contact authorised Betamotor customer service.





REAR BRAKE

CHECK THE LEVEL OF THE REAR BRAKE FLUID

Check the level of the brake fluid through sight **A**. The minimum level of the liquid must never be less than half the sightglass.

RESTORING THE LEVEL OF THE REAR BRAKE FLUID

To restore the level of the brake fluid, loosen the two screws **1**, lift cap **2** and add brake fluid until its level is 5 mm below the upper rim of the reservoir.

Use the liquid indicated on page 16 in the "Recommended lubricants and liquids" table.



WARNING:

The brake fluid is extremely corrosive. Take care not to spill it on the paintwork.



Wear appropriate protective clothing and protection gloves.



Keep liquid out of reach of children.



WARNING: Avoid any direct contact of the liquid with skin, eyes or clothing. If this happens:

- with the eyes, rinse immediately with plenty of water and seek medical advice.
- with skin, immediately clean contaminated areas with soap and water. Change clothing that is contaminated with liquid.

If liquid is swallowed, contact a doctor immediately.

BLEEDING THE REAR BRAKE

To bleed air from the rear brake circuit, proceed as follows:

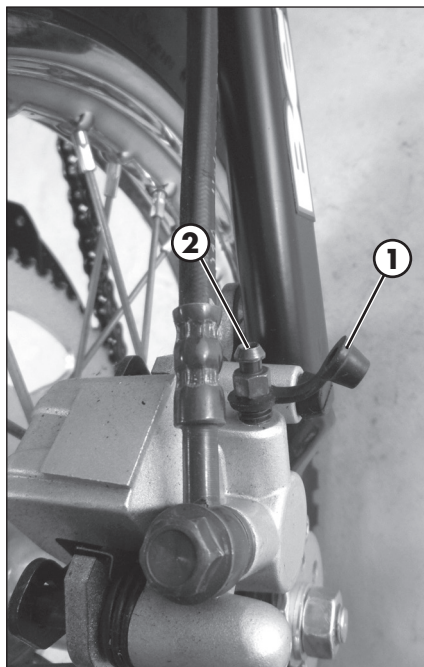
- Remove the rubber cap **1** from the valve **2**.
- Open the sump cap.
- Place one end of a small transparent tube into the valve **2**, and the other end inside a container.
- Pump with the brake lever 2/3 times and keep the pedal pressed.
- Unscrew the valve and let the oil drain.
- If air is still visible in the tube repeat above operation until obtaining a continuous outflow of oil without air bubbles.
- Close the valve and release the lever.

NOTE:

During this procedure, continuously top up the brake pump tank to replace the oil that is out flowing.

- Remove the tube.
- Replace the rubber cap.
- Close the oil reservoir cap.

Use the liquid indicated on page 16 in the "Recommended lubricants and liquids" table.



WARNING:

The brake fluid is extremely corrosive. Take care not to spill it on the paintwork.



Wear appropriate protective clothing and protection gloves.



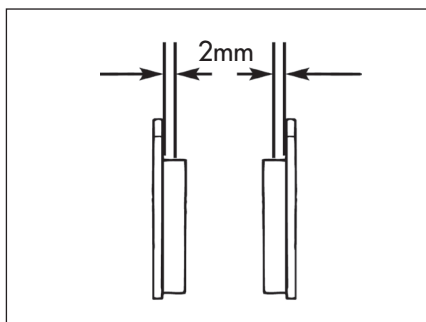
Keep liquid out of reach of children.



WARNING: Avoid any direct contact of the liquid with skin, eyes or clothing. If this happens:

- with the eyes, rinse immediately with plenty of water and seek medical advice.
- with skin, immediately clean contaminated areas with soap and water. Change clothing that is contaminated with liquid.

If liquid is swallowed, contact a doctor immediately.



FRONT BRAKE LINING CONTROL

In order to verify the wear condition of front brake is enough to view the caliper from above, where is possible to glimpse the brake lining tails which will have to show a brake of 2 mm in thickness. If the stratum is lesser let's start replacing them.

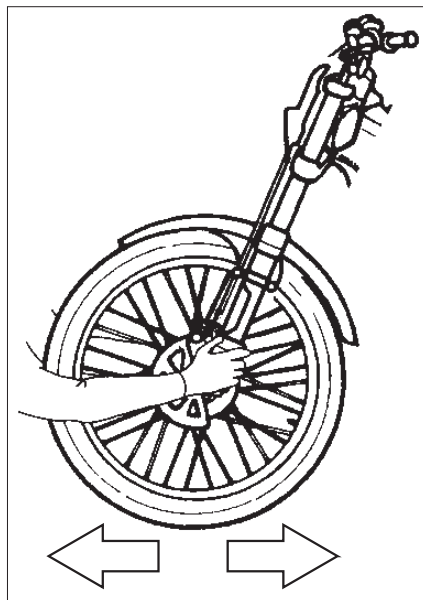
Note:

Perform the check according to the times shown in the table on page 47.

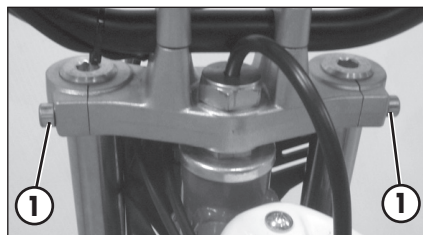
To replace, contact authorised Betamotor customer service.

CHECK AND ADJUSTING OF STEERING PLAY

Periodically check the play in the steering sleeve by moving the fork back and forth as shown in the figure. Whenever you feel play, adjust as described below:

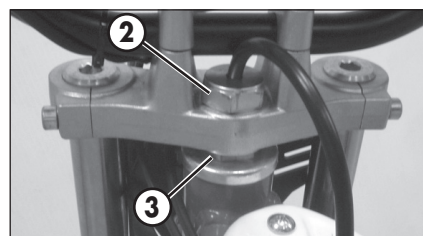


- Loosen the screws **1**

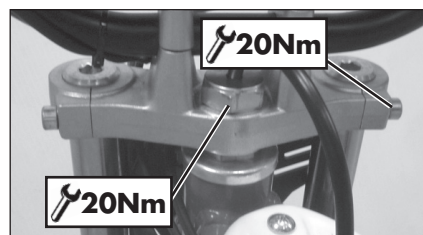


- Loosen the screw **2**

- Reduce the play by turning nut **3**



Tighten the screws to the prescribed torque values.

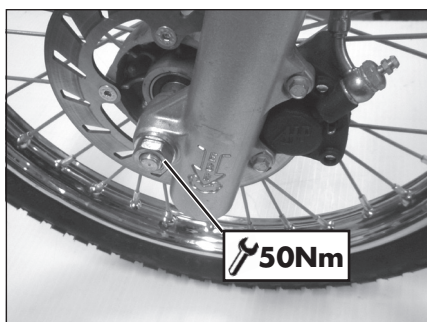




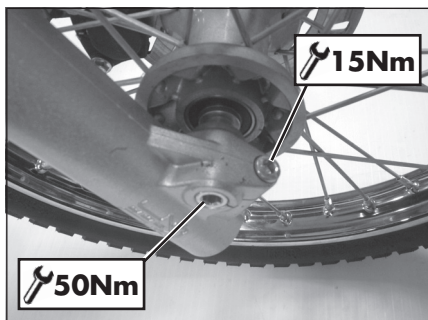
FRONT WHEEL TIGHTENING

After removing the wheel:

- Compress and release the fork 3-4 times.



- Tighten the wheel bolt and the screws of the foot-leg.



TYRES

Only fit tyres approved by BETAMOTOR.

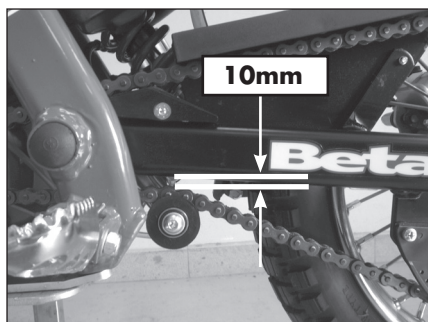
Unsuitable tyres can adversely affect the holding of the vehicle.

- To protect your safety, immediately replace any damaged tyres.
- Slick tyres adversely affect the holding of the vehicle, especially on wet roads and in off-road riding.
- Insufficient pressure results in abnormal wear and overheating of the tyres.
- The front and rear tyres must have the same tread design.
- Always measure the inflating pressures when the tyres are cold.
- Keep the tyre pressures within the prescribed range.

CHAIN

Checking the drive chain periodically to ensure longer chain life. Always keep it lubricated and clean of deposited dirt.

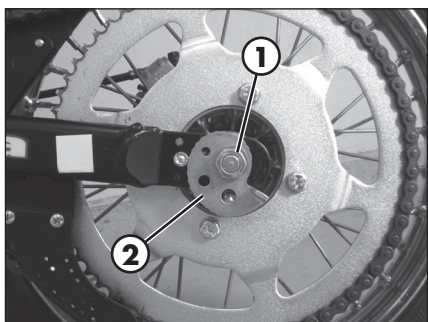
Take special care in preventing the lubricant from coming into contact with the rear tyre or brake disc, otherwise the tyre grip and the action of the brake would be greatly reduced, making it very difficult to control the vehicle.



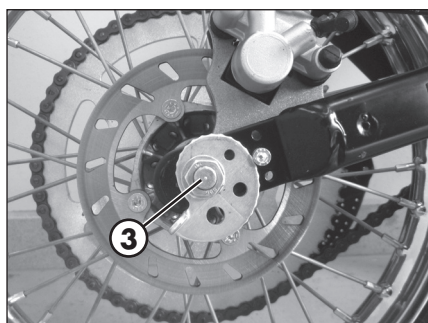
CHECK AND ADJUST TIGHTENING CHAIN

Position the vehicle on the central bike stand.

If the distance between tensioner and swingarm is less than 10 mm proceed with adjustment.



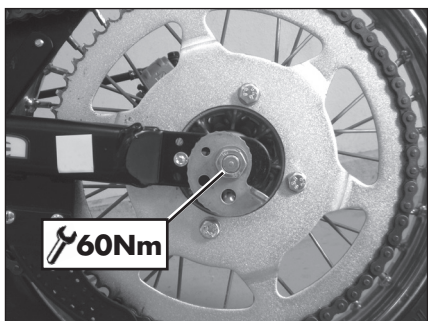
- Loosen the pin **1**.
- Rotate register **2** until the distance between chain and swingarm is that recommended above.



Rotate register **3** into the same position as register **2**.



Ensure the distance between tensioner and swingarm is that recommended.

If the distance between tensioner and swingarm is not that recommended proceed to readjustment.



Tighten the pin to the torque indicated.

CLEANING THE VEHICLE

-  **WARNING:** Do not clean your vehicle with a high-pressure device with a strong jet of water. Excessive pressure can reach electrical components, connectors, flexible cables, bearings, etc and can damage or destroy them.
-  **WARNING:** Wash motorbikes frequently that are used near the sea (salty air) and on roads subject to salt spreading in winter. Cover with silicone spray unpainted parts and the most exposed parts such as wheels, forks and swingarm. Do not treat rubber parts and brakes.

When cleaning, avoid direct exposure to sunlight.

Close off the exhaust system to prevent water from entering.

Avoid directing the jet of water onto the air filter box cover and the throttle body/carburettor.

Use water jet (not under pressure) to soften the dirt and mud accumulated on the paintwork, then remove them with a soft bodywork sponge soaked in water and shampoo. Subsequently rinse well with water, and dry with air and cloth or suede leather.

Proceed to the emptying of the filter box using the appropriate ventilation and drying.

Detergents pollute water. Always wash the vehicle in areas equipped for collection and purification of the washing liquids.

After cleaning, ride at low speed until the engine reaches operating temperature.

-  **WARNING:** braking effect is reduced with wet brakes. Operate the brakes cautiously to allow them to dry.

Push back the handlebar control covers, so that water can evaporate.

When the bike is completely dry and cooled down, lubricate all moving parts.

Treat all plastic and painted components with non-aggressive detergents or products that are specific for the care of the motorcycle.

To prevent malfunction of the electrical system, treat electric contacts and switches with a suitable spray.

4 PROLONGED INACTIVITY

A few simple operations should be performed to keep the vehicle in good condition whenever it is to remain inactive for a long period (e.g. during the winter):

- Thoroughly clean the vehicle.
- Reduce the tyre pressures by approximately 30 percent, and if possible raise the tyres off the ground.
- Cover the unpainted parts, excepting the brakes and the rubber parts, with spray silicone.
- Protect the vehicle with a dust cover.

AFTER PROLONGED INACTIVITY

- Restore the tyre inflating pressures.
- Check the tightening of all the screws.

SCHEDULED MAINTENANCE VEHICLE

		End of running-in - 3 hours	Coupon 1 - 10 hours	Coupon 2 - 20 hours	Coupon 3 - 40 hours	Coupon 4 - 60 hours	Coupon 5 - 80 hours	Coupon 6 - 100 hours	Coupon 7 - 120 hours	Coupon 8 - 140 hours	Coupon 9 - 180 hours
Engine	Spark plug	C	C	C	S	C	S	C	S	C	S
	Reed of reed valve		C	C	C	C	C	C	C	C	C
	Cylinder						C				C
	Piston sealing rings						S				S
	Piston						S				S
	Water pump fan				C		S		C		S
	Water pump shaft				C		C		C		C
	Water pump oil seal						S				S
	Coolant	C	C	C	S	C	S	C	S	C	S
	Gear oil	S	C	S	S	S	S	S	S	S	S
	Connecting rod						C				S
	Crankshaft bearings						C				S
Vehicle	Rear shock absorber	C	C	C	C	C	C	C	C	C	C
	Front and rear wheel pin	C	C	C	C	C	C	C	C	C	C
	Steering bearings and steering clearance	C	C	C	C	C	C	C	C	C	C
	Wheel bearings	C	C	C	C	C	C	C	C	C	C
	Spokes	C	C	C	C	C	C	C	C	C	C
	Air filter	P	P	P	P	P	S	P	P	P	P
	Throttle control	C	C	C	C	C	C	C	C	C	C
	Braking system	C	C	C	C	C	C	C	C	C	C
	Oil pumps brakes	C	C	C	C	C	C	C	C	C	C
	Transmission chain	C	C	C	C	C	C	C	C	C	C
	State and tyre pressure	C	C	C	C	C	C	C	C	C	C
	Electrical system	C	C	C	C	C	C	C	C	C	C

Key

C Check (Clean, adjust, lubricate, replace as necessary)**S Replace/renew****P Clean**

CHAPTER 5 DECOMMISSIONING AT END OF LIFE

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DECOMMISSIONING AT END OF LIFE

At the end of its useful life, this vehicle must not be treated like household waste but must be handed over to a specific collection centre. For information on collection centres of vehicles to be scrapped, please contact your municipality of residence or local waste disposal services.

CHAPTER 6 COMPLIANCE WITH EU DIRECTIVES

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COMPLIANCE WITH EU DIRECTIVES

The vehicle is identified as MINIMOTO (also called DIRT BIKE) for off-road use and complies with the essential requirements of the following Directives of the European Community:

Directive reference:	Harmonized Standards:	Title of the Standard:
Machinery Directive 2006/42/CE	EN 16029 (2012)	Ride-on, motorized vehicles intended for the transportation of persons and not intended for use on public roads - Single-track two-wheel motor vehicles - Safety requirements and test methods
EMC Directive 2004/108/CE	EN 55012 (2007) + A1 (2009)	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers
	EN 61000-6-2 (2005) + AC (2005)	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments

For further details, see the declaration of conformity which accompanies the vehicle.

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