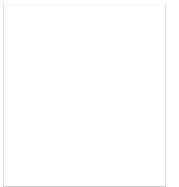


500DS
USER MANUAL



ADVENTURE





Prologue.

Thank you very much for purchasing this VOGÉ 500DS motorcycle.

This user manual introduces you to the main features, basic structure, methods of adjustment and maintenance of this motorcycle.

The user manual allows you to understand the basic operation well and know how to solve issues. typical aliases, getting your motorcycle to perform at its best, reducing breakdowns, and extend its lifespan.

This motorcycle can evolve with future modifications and it may happen that the manual of The user presents some differences with the model, so subsequent improvements are subject to. subject to change without prior notice.

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Warnings and precautions

Read this manual carefully and re- have the essentials. In the manual it they use words like 'Warning' or 'Caution' to differentiate the im- portance of the problems that attention must be paid. Understand your exact definition.



Warnings

Indicate the problems related to the driver's personal safety. If it Don't worry about this problem, they can produce- circumstances.



Precautions

Indicate the problems related to the driver's personal safety. If it Don't worry about this problem, they can produce- circumstances.

Pay attention to the accessories.

There is a wide range available in the market **variety of accessories that could to get on his motorcycle, but re-control is impossible for Voge** directly related to its quality and compatibility **dad.**

Inadequate accessories can endanger the driver. Since it is impossible to carry out a complete check of all accessories what the market offers, its seller au- Voge authorized will help you select the approved accessories and the mounts correctly.

For the acquisition and assembly of access- sorry, we provide the following your general reference criteria to the time to decide the appropriate and co- know your installation method.



- 01 All accessories that provide extra weight or are exposed to the movement must be as light and aerodynamic as possible. possible dynamics, positioned close to the body of the motorcycle and its center of gravity. The luggage carriers and their supplements should be carefully checked to confirm that they have been installed securely. A deficient assembly it can cause the displacement of the center of gravity with its corresponding danger
- 02 Check the ground clearance and the angle of the accessories; an incorrect installation can affect safety. Dad. Attention must be paid to ensure they do not interfere with the functioning of the suspensions, steering, and controls of control.
- 03 In case of mounting accessories on the handlebars or the fork, serious imbalances can occur. The additional weight on the front axle can reduce steering sensitivity causing a overload on the front wheel and unstable driving. Decrease the weight of the accessories mounted on the handlebars and the fork at a minimum.
- 04 The windshield, backrest, saddlebags, and trunk are accessories exposed to the wind that can produce instability, especially with side winds or when overtaking heavy vehicles. If the accessory if it is poorly assembled or its design is deficient, it could jeopardize driving. Attention must be paid a special attention to these accessories.
- 05 Some accessories may require the driver to move, which not only limits their position of driving but also the operation of the controls.
- 06 A device connected to the electrical system can cause an electrical overload and, in the worst case, It can burn the wiring or disconnect the vehicle's power supply, which affects personal safety.

Driving motorcycle insurance

01 Check the motorcycle before starting the engine to prevent the pieces from getting damaged and to avoid accidents.

02 The driver must not ride the motorcycle without having the appropriate circulation permit. Do not leave the motorcycle-call a person without a driver's license.

03 To avoid injuries, pay attention while driving, while riding the motorcycle, especially:

**Do not circle too close to another vehicle.
Do not race on public roads.**

04 Always follow traffic rules.

**Speeding is the main cause of
Accidents. Do not exceed the speeds
maximums of the area.**

**Always use the turn signals when
I changed lanes.**

05 Pay special attention to driving when it find at an intersection, and at the exit or entrance of a garage.

06 Grip the handlebars firmly with the hands and rest the feet on the stirrups in progress.

07 Grip the handlebars firmly with the hands and place the feet on the stirrups in motion.

08 Do not change from neutral to first at high speed. speed.

Equipamiento

01 To ensure your personal safety, use equipment for protection like a helmet, jacket, boots, protective glasses and gloves.

02 The use of safety harness when riding is an essential part of motorcycle safety.

03 Don't wear or do things that get caught in the engine or wheels and put the engine.



Precautions

The replacement of the original components riding a motorcycle is illegal and can affect driving safety.

The user is responsible for:

Our company avoids responsibilities for repairing the motorcycle without authorization from an authorized dealer.



Warnings

01. Electrical wiring modification is not allowed.

02. Changing a blown fuse is not allowed for a copper wire or another different fuse in the extension.

03. When you park at night, activate the currents.

04. The weight of the load on the luggage rack does not must exceed 5 kg.

05. Avoid moisture and soldering on the VIN plate.

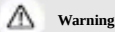
Our company avoids responsibilities of fires in the motorcycle or other problems more quality for the previous cases.

Checks before start the march

Thoroughly check the elements of the next table before starting the march:

Elements	Verification
Handlebar	Turn smoothly, without play or components loose.
Brakes	The lever and brake pedal must have a correct game and the light must be illuminated brake in the rear pilot whenactivated.
Deposit	With enough fuel to cover the route.
Box of changes	Check the oil level and add if necessary. it was necessary.
Accelerator	The throttle grip must have some play. correct, with a smooth operation and sharp recovery when released.
Clutch	The lever must have the correct play. without the cable sticking.

Elements	Verification
Tires	The lever must have the correct play. without the cable sticking.
Chain	Correct tension with lubrication suitable.
Lighting and speaker	Check the operation of the system of lighting and the horn.
Motor oil	Check the engine oil level.



Warning

Driving tips

01. In case of using this for the first time motorcycle, we advise you to find one road without traffic and get familiar with the controlsand operation.

Driving with one hand is dangerous. So, I firmly held the handlebar with both hands. hands and rest your feet on the stirrups. Under no circumstances is it allowed to circ... without hands.

03. When turning, it is recommended to reduce a mar- and decrease speed.

04.The tires show a low ad- inheritance when driving in wet conditions or about smooth pavements. In these conditions it decreases the braking and the capacity of motorcycle turn. Reduce the speed. dad.

The side wind occurs at the exit of the tunnels. Keep care and calm when crossing a valley or while overtaking a vehicle heavyloads.Slowdown.

06.Cumpla con las normas de tráfico y los speed limits.

Technical characteristics



Number of cylinders	2 in line DOHC
Stroke diameter	67 x 66.8 mm
Refrigeration	Liquid
Displacement	471 cc
Nutrition	Electronicinjection
Distribution	Camshaft in the head, 8 valves
Compressionrelationship	10.6:1
Maximum power	46.2/8500 hp/rpm
Maximum speed	160 km/h
Brakingdeceleration	According to GB20073
Maximum climbable slope	25°
Per maximum	42.5/7000 nm/rpm
Clutch	Multidisc in oil bath
Finaltransmission	Chain
Starting system	Electric
Tipo de Encendido	ECU
Battery capacity	12v 10Ah
Idle regime	1,500 + 150 rpm

Gearbox and relationships	6 speeds
1st gear	23.43
2nd gear	12.81
3rd speed	9.73
4th speed	7 , 91
5th gear	7.00
6th gear	6.35
Chassis	Multitubular
Front cover	120/70 - R17 M/C Pirelli Angel ST
Back cover	160/60 - R17 M/C Pirelli Angel ST
Front suspension	41 mm inverted fork, 156 mm
Rear suspension	Monoshock with 61 mm levers
Front brake	Double disc 298 mm, 2-piston calipers
	NISSIN pistons, Bosch ABS
Rear brake	Simple disc 240 mm, clamps of 1
	NISSIN piston, Bosch ABS
Seat height	815 mm
Clear distance to the ground	168 mm

Distance between axles	1460 mm
Length x Width x Height	2170 × 820 × 1390 mm
Peso en seco	188 kg
Load capacity	150 kg (including pilot)
Maximum allowed weight	318 kg
Load on front axle	85 kg
Load on rear axle	83 kg
Maximum front weight	116 kg
Maximum rear weight	202 kg
Spark plug	CPR8EA-9
Electrode gap of the spark plug	0.8 - 0.9 mm
Intake valve clearance	0.16 - 0.03 mm
Exhaust valve game	0.27 - 0.03 mm
Fuel deposit	17 liters
Consumption	3.7 liters every 100 km (average 90 km/h)
Engine oil capacity	2.7 liters
Secondary transmission relationship	2 , 857
Primary transmission relationship	2,864



Fuses	10A, 15A, 25A, 30A
Registration light	12V 0.257W LED
Lighthouse	12V 10/20W LED
Pilot/Brake light	12V 4.2/7W LED
Front position light	12V 2.6W LED
Front turn signals	12V 1.8W x 2 LED
Rear turn signals	12V 1.8W x 2 LED

Equipment

Digital speedometer	High engine temperature indicator	Clock
Total and partial digital odometer	Oil pressure low indicator	Side stand switch
Digital revolution counter	Battery voltage meter	Emergency stop switch
Digital fuel gauge	Engine temperature gauge	Adjustable brake lever
Injection Fault Indicator	Bluetooth	USB connector
NISSIN ABS fault indicator	Side stand	Beacons
Bosch	Juego de herramientas	Rear grill
Gear engagement indicator	Overtake light	Full LED lighting

Vehicle identification

Note the chassis number (VIN) and the engine number for any reference to your vehicle, for example request for spare parts.



Identification number of the vehicle (VIN)



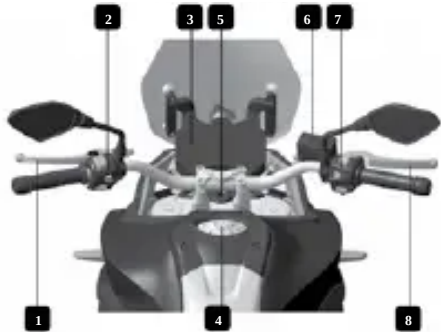
Manufacturer's plate of the motorcycle



Identification number and type of engine

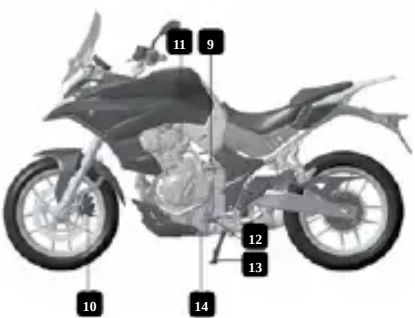
Motorcycle components

- Clutch lever
- 2) Left switch command
- 3) Instrument panel
- Fuel tank cap
- Contact lock
- 6) Front brake pump
- 7) Right toggle switch
- 8) Front brake lever
- Expansion tank cap
- Front brake caliper
- Thermostat
- 12) Gear lever

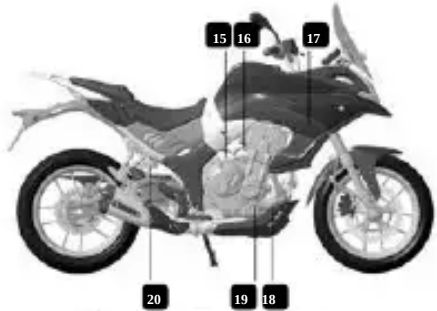


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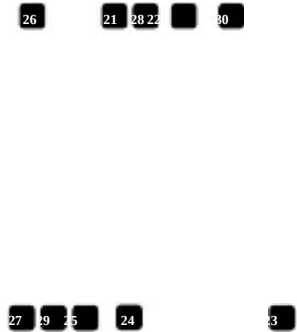
- Side stand
- Oil drain screw motor
- Speed sensor
- 16) Oil pressure sensor
- Radiator cap
- 18) Oil filter cartridge



- 19) Refrigerant temperature sensor
- 20) Rear brake fluid reservoir
- Fuse box
- Battery
- Air filter
- ABS Modulator



- 25) Diagnostic connection
- Seat cable
- 27) Tools
- 28) Starting relay
- 29) ECU
- Discharge switch



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Instrument panel

- Left turn signal indicator

ABS anomaly warning

3) High temperature witness

4) High Light Indicator

RESET button

6) TFT Screen

MODE button

8) Right turn signal light

9)Oil pressure alarm indicator
- 10)Witness malfunction EFI

11)Neutral indicator

12) Lap Counter

13) Counter units

BluetoothConnection

15) Watch

Battery voltage

17) Gear march
- Fuel level

19) Light sensor

Fuel consumption l/100 km

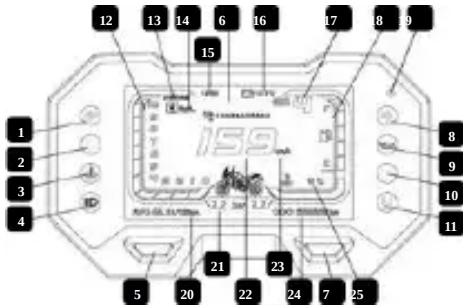
Tire pressure

Walking speed

23) Unit of measure speed

24) Display MODE area

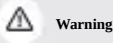
25)Display of refrigerant temperature



Insert the ignition key into the lock and turn it to the position the TFT screen of the instrument cluster it will illuminate, do a check and finally show the status of the vehicle.

The coolant overheating indicator (3) lights up It will mine and then turn off after the check.

The injection system failure indicators (10), failure in the ABS (2) and the oil pressure (9) will remain illuminated after the check. Once the engine is it will start, the injection lights will turn off and oil. The ABS warning light will turn off as soon as the motorcycle start your movement. If some of the witnesses remain- this enlightened one should go to the Voge Technical Assistance Service closest for your review.



Warning

If you continue using the motorcycle when the injection witness (10) is illuminated or blinking, it can cause a failure in the turned on or the cut of the supply of com-Fuel. Please proceed to the Service as soon as possible. the nearest Voge Assistance.

Get used to signaling with the turn signals before changing lanes or making a turn, and turn them off when the maneuver is finished.

DANGER

In the event that the ABS witness (2) is light up the blink after the startup, the motorcycle may brake abnormally or block; do not continue driving. If the ABS warning light comes on or blinks march, head to a Service Assistance Voge technique as soon as possible.

Washing with water is not recommended beforehand. session. If you clean with gasoline or alcohol you can to produce cracks in the paint or discoloration

LCD screen



Instrument panel off

When the instrument panel lights up, it displays the latest adjustments of it.

Backlight color

You can adjust the backlight of the LCD screen in three different colors: yellow, red, and blue.

Fuel consumption

Fuel consumption is shown in liters each 100 km (l/100 km). This instrument panel shows the consumo promedio “AVG” consumo en Lt/100km. “Total” km. total and partial trip km.

RESET button

Adjust the data in a mode area. After turning, the contact is ON, make brief or prolonged presses of the MODE button to switch between the different modes of visualization.
After turning the switch to ON, briefly press the button. RESET tone to switch between different modes.

Backlight intensity

You can adjust the backlight intensity to three levels: high, medium, and low.

Speed

You can choose the speed units between km/h and miles. It shows the partial distance traveled since it started for now.

MODE button

Briefly press the MODE button to toggle between three models of visualization.

TOTALmode

Show the total distance traveled by the motorcycle since its premiere. In TOTAL mode you can adjust the clock time.

AVG Mode:

Show the average fuel consumption in the last 100 km traveled.

TRIPMode

It reset this counter. In TRIP mode you can reset the counter pressing the MODE button. Pressing the RE- button SET can switch between units km and miles.

Fuel level

It shows approximately the gasoline that contains the deposit. When the amount is too low, they will light up. in red the remaining segments warning you of the need to refuel as soon as possible.



Precautions

The fuel level may fluctuate in march. When there is little fuel left, the remaining segments of the level start to blink. When this happens, it may be put about 3 liters into the tank.



Warning

If the fuel level is insufficient, it can cause boot failures in the motor. If this happens, it can damage the pump of fuel.

DANGER

It can be dangerous to handle the controls of the dashboard in motion. If you release some of the hands of the handlebars, the control of the motorcycle is diminished.

Schedule clock (15)

Show the time and minutes in 24-hour format. Both the hour and the minutes can be adjusted. Upon entering the setting (long press of RESET in ODO mode) will blink the digits of the hour: change the time with brief presses you see the MODE button. To switch to the minute setting, make a brief press of the RESET button and it will start to blink the ten minutes; change this digit with brief presses of the MODE button. To change the units of minutes, make a brief press of the button RESET and this digit will start to blink to change its value with brief presses of the MODE button. To exit for adjusting the clock, a brief press of the RESET button or do not press any button for at least 10 seconds.

Intermittent witness □ (1) ♂ (8)

When you indicate with the turn signal your intention to turn left or right, moving towards that side the turn signal switch, the indicator corresponding (1), (8) in the dashboard panel will paddle.

Witness overheating (3)

When the engine temperature is very high (> 120°C), this witness will shine.

When the overheating indicator is lit, Get off the public road and stop the engine until the test-it goes off indicating that it has cooled down. Check if the coolant level in the expansion tank is the session is too low and replace it if necessary. In case the fan does not activate with the test, go to overheating turned on, take the motorcycle to a Voge service for your repair.



Precautions

If the overheating warning light comes on, it means that the engine is very hot. If continuing to drive can cause damage to the mechanics.

If the overheating warning light comes on, check if the radiator grille is blocked or contaminated by dirt or foreign elements and clean it since the efficiency of the radiator decreases.

In case the refrigerant level in the expansion tank... session is insufficient or the radiator is partially covered by sand or mud, we suggest the following:

Reduce the load to decrease the heat generated by the motor.

In case of a traffic jam, it is recommended to stop the do not raise the engine speed or leave it idling; in no case increase the RPM of the engine to prevent the temperature from rising.

In any case, stop the engine and take the vehicle to a Voge Technical Assistance Service for your repair,

covered with sand or mud, we suggest the following:

Reduce the load to decrease the heat generated by it. motor.

In the case of a traffic jam, it is recommended to stop the motor or leave it idling; in no case increase the speed from the engine to prevent the temperature from rising.

In any case, stop the engine and take the vehicle to a Voge Technical Assistance Service for your repair,

Long light witness □ (4)

Cuando selecciona el conmutador de luces del comando Cuando se ilumina este testigo significa que la presión de Left in the upper position, the engine oil warning light will illuminate if it is too low. In this case, stop the mo- high beams or highway lights. It will remain in this position. Let it rest for a few minutes and check the level of until it switches to low beam or short. If the switch shows engine oil through the inspection window. If the level is low, re- The lights are in the low beam position and periodically fill with motor oil until reaching the maximum level. If The warning/overload light will briefly illuminate - driving with this light on can cause failures. Keep the high beam switch pressed until I release this trigger. Mechanics.

Insufficient oil pressure warning (9)

Fuel reserve warning

If this warning light comes on, it will remind you that you need to refuel. as soon as possible. An insufficient amount of fuel in the deposit may damage the fuel pump when working in dry. Do not lower the minimum fuel level below 2 liters.



Para repostar abra el tapón del depósito de combustible in- inserting the ignition key into the cap lock and turning it to the right. After filling the tank, turn back. he is going to put the cap on and press it to close it; in this case you will be able to take the key out of your lock.



Precautions

If the overheating indicator light turns on immediately shut the engine off. If continuing to drive may cause damage to mechanics.



Warning

When the contact is activated with the engine stopped, it is normal for the warning light to the oil is lit. If it does not go out when- start the engine, stop the engine and com- check the engine oil level.



Precautions

The fuel corrodes the paint and discolors it in case there is gasoline left on the painted surface of the tank, dry it with a rag. The fuel can expand at high temperatures. If you fill it too much the fuel deposit can produce high internal pressure that will cause deformation of the deposit or overflow. Fill the tank to the bottom of the filling mouth neck.



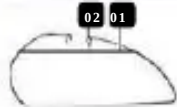
Warning

After using the USB port, cover it. Take with the waterproof lid to prevent that dust or water enter its interior.

DANGER:

Turn off the engine when refueling. Do not smoke or light a fire or bring any source of ignition hot heads to the fuel tank.

Use unleaded E-5 gasoline with an octane rating of over 95. Do not wash the stopper area of the tank with high-pressure water. site because water can enter its interior.



- 01 Maximum level
02 Deposit mouth

Fuel tank capacity: 17.2 liters.

Witness of failure in the injection (10)

If this warning light is on, it means there is an anomaly in the EFI fuel injection system. If it lights up in motion, stop the engine and turn off the ignition. Let it pass a few minutes and restart the engine, if the indicator does not it turns off, take the motorcycle to a Assistance Service Voge technique.

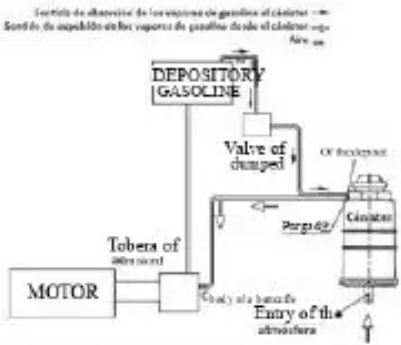
USB socket

This instrument panel integrates a power supply socket. USB connection to connect electronic devices at 5V with a maximum current of 1A. The socket is covered by a waterproof cover with the logo.

Control system of vapor

This system operates as explained below:

- 01 When the fuel in the tank heats up, the fuel pores evaporate and pass through a con-pipe from the deposit through the dumping valve, and then they will be absorbed by the canister.
02 If the motorcycle leans more than 60°, the valve of spill will be closed to prevent gasoline from entering the canister.
03 The fresh air of the atmosphere enters through the entrance of the canister and then goes through the purge discharge sucking the gasoline fumes into the body of a butterfly. Here it mixes with the fuel of the injection and in-pass through the combustion chamber via the nozzle for admission to be burned.





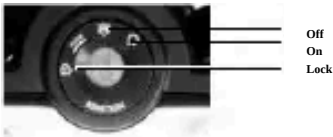
Warning

This motorcycle features a horse-the lateral to provide its stability when parked. Block the address turning the handlebars to the left.

DANGER:

Do not turn the switch to the OFF position, march as it can cause an accident- you for loss of control.

Operation
Contact lock



Position	Use	Note
OFF	Parking (disconnected)	The key can be remove
ON	Start or driving (connected)	Key cannot be to take out
LOCK	Blockage of the address	The key can be to take out

Refueling

The fuel tank has a capacity of 17.2 liters. When you go to charge, first support the motorcyde on your cabin-side cover, and then open the cap. After refueling, align the cap symbol with the tank and close the cap.

Start

- 01 Insert the ignition key into the lock and turn it. to the position
- 02 Put the circuit breaker switch in the position "
- 03 Check that the gear is in neutral and the illuminated corresponding witness.
- 04 Check that there is enough fuel in the depository.



Precautions

Unloaded fuel with octane rating greater than 90.



Warning

Do not push the motorcycle when it is blocked, staying the direction as it can unwind- librase.



Precautions

Do not start without checking that the charge is a standard as it can cause an accident.



Warning

Do not start the vehicle in an enclosed space, do not ventilate as CO is a gas venomous.



Precautions

For better the performance avoid accelerations, sudden stops and inclinations cases during the first 200 km.

Start with the cold engine

- 01 Turn the throttle knob 1/8-1/4 turn.
- 02 Pulse el botón de arranque.
- 03 Slightly accelerate to raise the engine speed and allow it to warm up.

Engine off

- 01 Release the accelerator and lower the engine speed.
- 02 Put the gear in neutral.
- 03 Put the circuit breaker switch in the OFF position.

Engine run-in

The filming period covers the first 1,000 km. during the filming period, pay attention to the following points:

- 01 Do not transport heavy loads, nor go uphill, nor drive at the same speed for more than 50 km.
- 02 Warm up the engine for 3-5 minutes before starting the march for all moving parts to be greased.
- 03 Do not exceed 5,000 rpm during the first 500 km. For the next 500 km, do not exceed 7,000 rpm.
- 04 During the shooting period, I frequently changed the sea. it should not keep the engine running at the same rev-regime of revolutions.
- 05 Avoid sudden accelerations or braking during the shooting period except in cases of emergency.
- 06 Downshift before decelerating. to keep the engine at its proper operating speed.

Tire rolling

The surface of a new tire is very smooth, which it makes it very dangerous to ride on winding roads and high speed. Therefore, it is necessary to do the filming at a new tire.

During the first 200 km you should drive on roads turns at low speed and with caution so that it is wear the soft layer at all its angles.

Brake wear

During the first 500 km the brakes do not reach their maximum braking efficiency. In that break-in period will circulate with caution exerting more force in the brake lever or pedal.

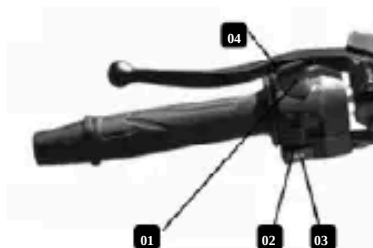
Left switch command

01 Headlight switch for low-high beams

- 0 In this position, the lighthouse light switches to the beam of lights. long or highway.
- 0 In this position, the lighthouse light switches to the beam of lights. shorts or crossing.

02 Turn signal switch

- This position indicates the intention to turn left.
- In this position, it indicates the intention to turn right.



03 Horn button

Press this button and the horn will sound.

04 Warning/Overtake light

Press this button to signal the vehicles in front. with a flash of high beams his intention to overtake warn them or indicate a dangerous situation.

Right switch command

01 Beacon

The switch has 3 positions:

The lighthouse, the rear pilot, and the lighting of the dashboard instruments are illuminated.

The rear pilot, the position light, and the lighting of the instrument panel is illuminated.

The lighthouse, pilot, navigation light and illumination of the panel the instruments are turned off.

02 Electric start button

The electric start button is located underneath of the light switch, when the switch cuts off current is in and the change in neutral, Press this button and the motor will start.

03 Emergency circuit breaker

When the engine is about to start, the cut-off switch cuts in. In emergency situations, put the switch on 'X', it will cutoff directly the turn on and the engine will stop.



Precautions

The right and left must be maintained two before starting the motorcycle. Get used to - you must indicate with the turn signals beforehand to change lanes or make a turn, and apá-Grandparents when the maneuver is finished.



Warning

If you are trying to start the engine several times sometimes, do not hold down the button for start more than 5 seconds, since the a high number of attempts will cause that heat the starter motor. In case of that it doesn't start after several attempts Check the power supply and the circuit. at the start.

Handlebar controls

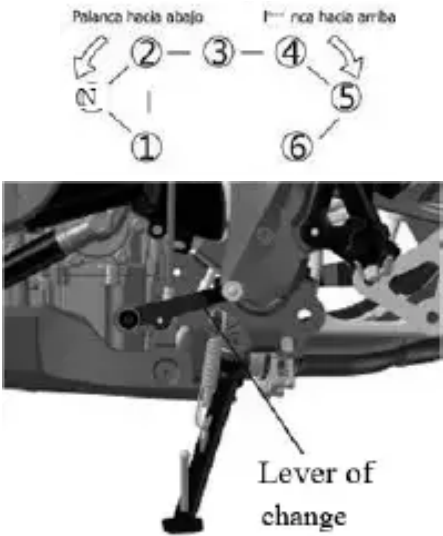
- Clutch lever
- 2) Long-short lights switch
- 3) Horn button
- 4) Turn signal switch
- Warning/Overtake Light
- 6) Int. de intermitentes de emergencia
- 7) Int. emergency circuit breaker
- Start button
- 9) Palanca del freno delantero



Gear shifting

Heat the engine to ensure proper operation.
normal.

- 01 When the engine is idling, operate the lever of the clutch, press down the gear lever in-grinding the first speed.
- 02 Accelerate the engine and slowly release the lever. brake with coordination to start moving.
- 03 When you have achieved balanced driving, decelerate, engage the clutch lever, move the gear shift up to engage the se-increase speed and release the clutch lever again I am accelerating at the same time.
- 04 Follow this method by applying it to the rest of the speeds. from the gearbox.





Precautions

When the side stand is extended being heavy to the motorcycle will be able to start the engine only if it is in neutral. In case it is not in neutral, no he will be able to start the engine. When the kickstand the lateral is retracted, pull the lever of clutch and will be able to start the engine with what gear is engaged. When the engine is in motion, to walk a person can extend the side stand.



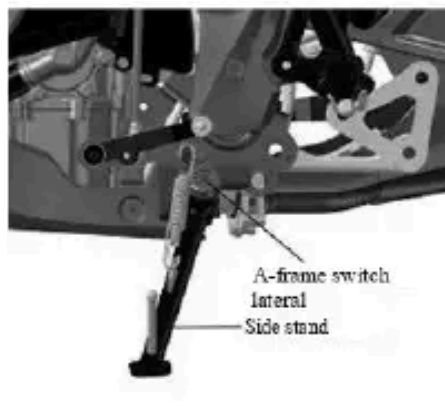
Warning

If the motorcycle is parked on land on-softened or weakened will lose stability and co-it will carry the risk of falling. Park in flat and firm land. Avoid parking on a inclined land. If you cannot avoid it, place the motorcycle looking uphill with the first gear engaged to reduce the fall risk.

The side stand is designed to carry the weight of the motorcycle. No he/she sits on the bike with the kickstand ex-stretched out to avoid deforming it due to overweight.

Side stand

For motorcycle parking, there is a side stand. This stand has a system of security that disconnects the engine ignition when the easel is extended.



Special attention in driving

- 01 Avoid running the engine at low revs (long gears) gas) on highways to avoid forcing it in engine braking.
- 02 If the clutch operates in a state of semi-separation it will lead to the wear of the friction discs.
- 03 In the case of feeling little power during slopes pronounced, reduce to a lower gear
- 04 Do not use only the front brake when descending at one point, dead at high speed.
- 05 To stop, release the accelerator, engage the clutch, and brake.



Warning

If you drive at high speeds, it means what will need a long distance to de-hold on. Drive at a suitable speed estimating a stopping distance client.

Do not just use the rear brake, this leads to to rapid wear of the braking system and a longer stopping distance.

03. The use of only the front brake or the rear brake zero is dangerous and leads to skidding or loss of of the control. In wet conditions, with pavements roundabouts or on circles, exercise caution and slightly use the braking system. A sudden braking on smooth pavements can to lead to a loss of control of the motorcycle bicycle.

Checks, adjustments and maintenance

Oil level check of the engine

- * Check the engine oil level before starting the march. Check it on a flat surface with the motor in vertical position and check the level through the sight glass on the bottom right of the engine. The level must be to be contrasted between the upper and lower brands.
- * In the event that the level is below the lower mark, fill with oil.
- * In the event that the level is above the upper mark, drain the oil.
- * After filling or draining the oil, return to com- test the level through the peephole.
- * Use a suitable high-quality multigrade oil. Recommended oil SAE 10W40 API SL.



Engine oil change

In the event that the engine oil level exceeds the mark at maximum level, remove the drainage screw (1) with a wrench of tube.
Drain the oil and tighten the drain screw again. A too low oil level can cause damage
The same happens when rolling with a high level of oil. Maintain the correct level.



Precautions

The oil expands as the temperature rises. Therefore, the oil level changes with the temperature.

The oil level rises when the engine is hot and lowers when the engine is cold. Make sure the motor cycles vertically on a flat surface when checking the oil level.



Warning

When I put the screw back in... dude, replace it with a new screw with your corresponding new sealing washer of copper. In case of reusing the old one, there is a risk of leaks occurring of oil.

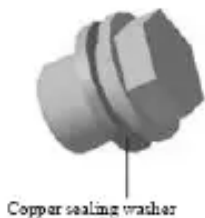


Precautions

The oil will drain more smoothly when the motor is hot. Acid burning yourself with it hot oil and with the silence. Wait for let the drain screw and the silencer cool down willow

Oil is very important for the engine, so it is necessary to check it periodically. After the first change, replace it every 5,000 km, checking the level every 1,000 km and adding if necessary.

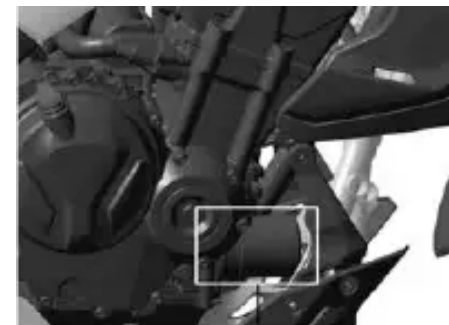
- Raise the motorcycle on a suitable stand for maintenance. to keep it vertical.
- Remove the filling screw.
- Remove the drain plug and empty the oil into a container. suitable paint.
- Put the drainage screw back and tighten it first. to fill with oil.



Copper sealing washer

Change of the filter cartridge oil

- Change the oil filter cartridge every period for maintenance.
- The oil filter cartridge change will be done here. after draining the engine oil.
- Remove the lower keel.
- Wrap the oil filter cartridge with a sheet. absorbent or a cloth to prevent the oil from the interior prior to passing to the surface of the engine crankcase.
- Use special tools to remove the cartridge. of the oil filter at the front of the engine.
- Remove the oil filter cartridge and drain the oil. from its interior. I replaced the oil filter cartridge with a new one.
- Reinstall the new oil filter cartridge. and check that the sealing ring is in position correct. Otherwise, leaks may occur. oil.



Oil filter cartridge



Precautions

Oil type: SAE 10W/40 SL. Quantity of filling: 2.7 l. In case the temperature environment is less than 10°C, use oil: SAE 5W/30 SG.

Discard the filter cartridge and used oil at a clean point.



Warning

A low quality or different oil
The recommended degree can damage the engine, EFI injection system, spark plugs and catalyst.

Motor oil filling

- Check that the filter cartridge has been changed. of oil and that the lower keel has been mounted.
- You must replace the drainage screw set with your sealing washer before mounting it.
- Fill with 2,700 ml of engine oil through the ori- Tighten the filling screw and then screw in the bolt.
- Start the engine and vary the rotation speed for 5 minutes. Check that there are no oil leaks in the assembled/disassembled parts.
- Check the engine oil level.

Spark plug check

- 01 Remove the spark plug cap, clean the surroundings and unscrew it with a spark plug wrench.
- 02 In the event that the spark plug is corroded or too worn two deposits of dirt, change it.
- 03 Adjust the spark plug electrode gap. go 0.8 - 0.9 mm.
- 04 Use spark plugs of the thermal grade recommended.

Spark plug thermal grade: CPR8EA-9



Precautions

Do not tighten the spark plug too much as it can damage the head thread and uselessly Zarlà. Prevent impurities from entering the engine. through the spark plug hole.

The spark plug of this motorcycle model it has been meticulously selected.

Consult with your Authorized Voge Dealer in case you want to adopt another type of spark plug with different thermal resistance already that an unsuitable spark plug can damage the motor.



Precautions

Correctly mount the filtering element now. If it has not been properly sealed or is broken, impurities can enter the engine and shorten its service life. Also avoid water entering the filtering element.

01 If driving in dusty areas, you should change the filtering element more frequently, according to the sequence that is indicated in the Table of Maintenance.

02 Check for cracks in the filtering element and change it if there are any.

Inspection of the air filter

The air filter used is special as it includes a drain nozzle and an additional air inlet that improves airflow as well as filter efficiency.

The drainage nozzle is connected to the oil separator, air and then to the engine's crankcase, which causes the gases residuals from the crankcase enter the combustion chamber through the air filter for its combustion, preventing that it enters directly into the atmosphere.

To access the filtering element of the air filter, remove the seat and the battery. Remove the four screws from the cover of the filter box and remove it. Carefully clean the filtering element with compressed air every 500/1,000 km and change it every 5,000 km in extreme situations, or every 10,000 km in normal driving.



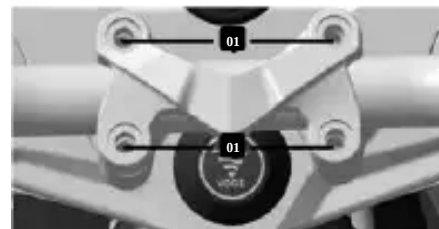
Handlebar adjustment

Es necesario ajustar el manillar para ponerlo en relación a su altura y posición de conducción:

01 Loosen the screws (1).

02 Move the handlebars until you find it in the proper position.

03 Tighten the screws (1).



Warning

After adjusting the handlebars, make it turn to the left and to the right to check if it interferes with the spin of the deposit. If it is so, readjust the handlebars.



Precautions

After adjusting the handlebar, turn to the left and the right to check if the spine interferes with the tank. If so, come back to the original position.

The adjustment of the mirrors decreases the control over the motorcycle. Do not do it in march.

Gear lever adjustment

Depending on the condition of the roads along which to transit you and your driving style, it will be necessary to adjust the height from the gear lever:

- 01** Loosen the two nuts (1) of the lever rod cambio (2).
- 02** Turn the gear lever rod (2) until the lever reached the desired position.
- 03** Tighten the nuts (1) of the lever rod change (2).
- 04** Finally, I mounted the shift pedal on its support, fixing it with the screw (3).



Brake lever adjustment forward

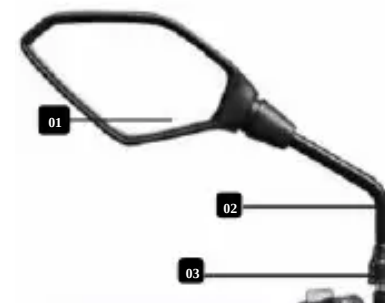
The front brake lever includes an adjustment to regulate the distance between the lever and the throttle grip. This mechanism has three adjustment positions:

- 01** Push the lever forward to adjust it.
- 02** Turn the adjustment wheel to the desired position.
- 03** Release the lever when you have finished the adjustment.



Adjustment of the rearview mirrors

Adjust the rearview mirrors according to your height and position. The mirror (1) should be adjusted by hand. directly. Loosen the nut (3) to adjust the mast of the rearview mirror (2) using the tools provided motorcycle. Finally, tighten the nut (3) again.





Precautions

When I adjusted the pedal, I changed the brake stipules worn.

After the adjustment, press several times on the pedal until you achieve the height.

In case of not achieving the right touch, please go to a Vig Technical Service. An incorrect adjustment can lead to wear and tear of the brake pads.

After the adjustment, check that the cuff turns easily and comes back alone. Turn the handle to the right and left to verify that it returns to the center.

Brake pedal adjustment

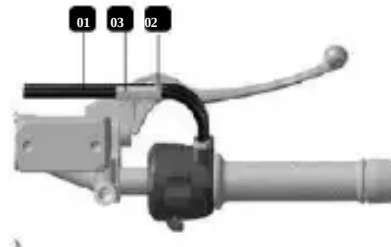
Keep the brake pedal at the correct height. Too much high will require you to lift your right foot onto the stirrup and it may brake unintentionally accelerating the wear of the brake pads. Keep the pedal free play of brake at 25 - 35 mm. In case it is not the correct one carry out this procedure. Tightening torque of the nut (3) of the rod: 18 Nm

- 01 Remove the retainer from the pin (1).
- 02 Remove the axis of the pin (2).
- 03 Loosen the nut (3) of the rod.
- 04 Turn the rod (4) to the right or left until the pedal reached the desired height.
- 05 Tighten the nut (3) again.
- 06 Mount the pin axis (2) and its frenulum (1).



Throttle cable adjustment

- 01 Check that the free play of the accelerator is 2/4 mm. Fix the game by releasing the rubber cover (1), loosening the locknut (2) and acting on the tensioner (3) until achieving a 2/4 mm game.
- 02 Tighten the lock nut (2) and reattach the cover made of rubber (1).



Clutch cable adjustment

When you start the engine, firmly pull the lever. of the clutch to separate the friction discs and interrupt for the transmission. The free play at the end of the lever it is 5/8 mm. A poor fit leads to premature wear of the clutch discs.

- 01 Remove the rubber cover.
- 02 Loosen the nut (2).
- 03 Act on the tensor (1) until obtaining the game of seado.
- 04 Tighten the lock nut (2).
- 05 Put the rubber cover back on.





Precautions

Fortheadjustmentof springpreload,use thewanspecialtools.Gotoa VagetechnicalAssistanceService.

Ifyoucharge anewbattery,30minutesbeforeand from16to20°C, itwillextendits lifespan.

A battery produces hydrogen gas that is highly flammable; keep it away from flames and sparks.

If you clean the battery terminals with a dry cloth, can produce electrostatic sparks. Use a damp cloth.

Rear shock absorber adjustment

The adjustment of the damper through spring preload it is necessary to adapt it to different users, load the driving styles.

Harden the spring with the preload adjustment when it is carried much load on the motorcycle and vice versa.



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Adjustment of the lighthouse beam

The beam of light from the lighthouse must be adjusted depending on the load on the motorcycle and for your own safety in night driving.

Using a star screwdriver, act on the screw (1) from the back of the lighthouse



Battery maintenance

This model is equipped with a maintenance-free battery that does not requires periodic checking of the electrolyte level, but it is necessary to periodically check the load.

Battery charging

In the event that the battery voltage drops below 12.6 It is recommended to charge the battery. The battery charging is done through a stable direct current source that provides a load voltage of 14.5 ± 0.3 V and a current no greater than 1.2 A. The charging time is from 6 to 8 hours. An overload can reduce battery life.

Before charging the battery, remove and disconnect the battery. of your accommodation. Check periodically that the terminals are clean. If you are not going to use the vehicle. For several days, disconnect the negative terminal of the battery. If you are not going to use it for more than a month, you should charge the battery, to prevent its download. The loading operation requires a specific battery charger for motorcycles and continue the instruction manual.

Immediately after finishing the battery charging disconnect the charger. A full charge may require a long time. In case of discarding a battery, do it in accordance with local regulations.

Assembly and removal of the battery

Turn the ignition key to OFF before installing or removing. When using an external battery, cables will be necessary. the battery.

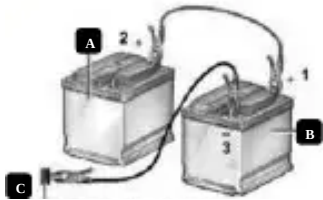
First remove the negative terminal of the battery and then the positivetermind.

When mounting the battery, first connect the positive terminal and connect it to terminal positive 2 of the motorcycle battery. then the negative.

When you have installed the battery, turn the switch to ON and let the engine; in case of failure, wait a few minutes until the wait a minute before starting the engine for the next initialization attempt. sanitization of electrical equipment.

Before removing the external battery, the motor will need to be-

If you have left the motorcycle parked for a while, turn it on for a few minutes. First, disconnect the If prolonged without disconnecting the battery it can happen that the negative terminal and the connection with the chassis occur and then the that some electrical components need to be adjusted (by positive terminals. example, the clock).



Use of a power supply external

When the battery cannot start the engine, it can be to have an external battery.

Verification and maintenance of soda

The coolant is responsible for keeping the engine at the temperature optimal operating range. You must check and fill if it was- Check the coolant level in the expansion tank. To do this, first turn off the engine and let it cool down since the the soda is warm.

Place the motorcycle in an upright position and check that the level is between the LOWER and UPPER marks. In in the case that the level is below the mark LOWER, fill with antifreeze until reaching the mar- UPPER. If the expansion tank is too full, it can a flooding occurs when the temperature increases. If having to frequently refill the coolant means that There is an anomaly in the cooling system. Please proceed to a Voge Technical Assistance Service for your solution.



Warning

In the case that the expansion tank is completely dry, do not fill it. First the air must be purged from the re- system cooling. Assign this operation to a Voge Technical Assistance Service.



Precautions

To maintain the properties of the refrigerant, change the refrigerant every 2 years.
Type of refrigerant: based on ethylene glycol with a freezing point of -45°C.
Refrigerant volume in the refrigeration system: 1.5 l. Dispose of the used refrigerant at a clean point.

During the filling, after having started the engine, wait for it to cool down and then open the radiator cap, or the coolant to high temperature can be expelled with force and hurt.



Warning

It is not allowed to fill with water or it can damage the cooling system.
what is allowed to mix different types of soda.

Refrigerant change

To drain the refrigerant:

- * Keep the motorcycle upright with a stand when.
- * Place a container under the engine.
- * Remove the refrigerant drain screw. That's all, the cooling system is connected, it will drain all the refrigerant.
- * After draining the coolant, reassemble the coolant drain screw.



Drainage screw coolant

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To fill the refrigerant:

- * The coolant should be filled from the radiator, like from the expansion vessel.
- * Open the radiator filler cap (see figure next).
- * When the coolant fills up to the radiator cap, let the air out by pinching the sleeves until there was none left. burst the bubbles and refill to the top



Filling mouth

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- * Seal the cap and run the engine for 30 seconds for the refrigerant to cover the entire circuit.
- * Stop the engine and let it cool down. Open the cap of the radiator and refill it if necessary. Repeat these last two steps 2 or 3 times if necessary.
- * Remove the rubber plug from the expansion tank (see figure - fill it with refrigerant to a level between the bands UPPER and LOWER.

In the case that the ambient temperature of the area is lower than the indicated freezing point on the packaging for the refrigerant, use a high-performance refrigerant. Voge recommends an antifreeze based on ethylene glycol, column with a freezing point of -45°C.

Maintenance of the disc brakes

The brake fluid is the most important transmission medium. a pump in a hydraulic system, which requires efficiency reliable at high temperature and a great fluidity at low temperature tura, in addition to requiring protection against corrosion. For It is important to choose a high-quality brake fluid.

Fluid level check of brakes

If the brake fluid level is too high low, air may enter the hydraulic system and the brakes lose efficiency. Therefore, control is necessary brake fluid level gauge.



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Check if the brake fluid level is above. from the minimum level mark in the pump's reservoir front brake (left) and rear brake (right).

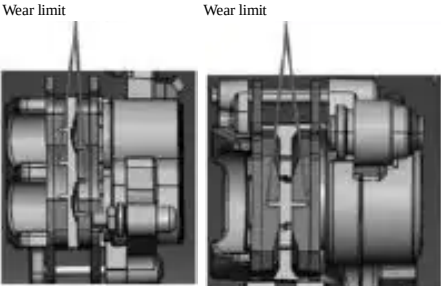
In the event that the level is below the brand, you will need to add brake fluid, exceeding this mark at 3~5 mm (or not exceeding the maximum level mark) in the rear pump's tank). In this case, also check if the wear on the pads is within the limits. Brake fluid is corrosive and can cause damage the paint surfaces or the plastic parts.

Types of brake fluid

When brake fluid absorbs water or impurities, Change it or there will be insufficient pressure in the system. braking features, which is something very important in humid areas You must change the brake fluid of the hydraulic system. every 2 years.

Brake fluid type DOT 4.

Brake pads



Visually check the wear of the brake pads in the periods indicated in the maintenance table. In the event that the wear limit line has been reached from the pills, I changed both pills at the same time. Check- That there are no brake fluid leaks in the system. braking. Check if the hoses have cracks or distortions.

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Warning

When filling with brake fluid, avoid that air or water enters when the lid is opened as it would reduce the braking performance. Trust this operation to an Assistance Service Voge Technique.

The brake disc system provides a high braking pressure. Due to its safety, periodically change the whips the braking fluid.



Precautions

Mixing different types is not allowed. brake fluid but as they will reduce the braking performance.

Use only original Voge parts. any repair or maintenance of the system (braking) must be done with your self authorized Voge.

Be careful when breaking in new brake pads. new. After several times at speed the brake and deceleration until they recover normal braking force.

Transmission chain

Chain maintenance

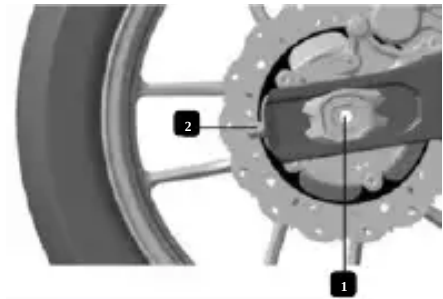
The transmission chain used in this motorcycle is The dust and dirt on the chain negatively influence of the type of seals whose pins have seals in their duration. Periodically clean and grease the chain. theories that retain the lubrication oil inside them. An incorrect washing or greasing can damage the seals. for this reason, it does not have a linking element and to its sus- cases and let the contained grease get lost. Special tools are needed for replacement. Do not use a metal bristle brush. operation to a Voge Technical Assistance Service. Check and adjust the tension of the chain daily before drying the water or cleaner immediately afterwards. to drive and confirm that the following does not occur: wash it and let it air dry before greasing it. problems:

- * Pines of damaged links or rollers, plates of the rusty links, stuck links.
- * The wear of the chain can also wear out the teeth of the rear wheel crown and the pinion of attack. Confirm that the teeth are not damaged or wrinkles.
- * Trust a Voge Technical Assistance Service for solving the problems of a transmission chain sion.

Use a special oil for chain seals (if not it can damage the seals) and apply it inside and out of the plates of the links. Then apply a layer of oil and remove the excess oil.

Chain tension adjustment

The chain should neither be too loose nor too ... tensioned sigh. An excessively loose or untensioned chain it can go off, lock the rear wheel and cause an acci- tooth. On the contrary, a chain that is too tight reduces his life of service and increase to the resistance of the transmission



Precautions

When you change the chain, check the condition of the teeth of the pinion gear and the crown. Change everything at once if it were necessary.



Warning

Wash the chain with water or detergent. Use high boiling point solvent. Do not use fuel.

Washing the chain with water is not allowed. high blood pressure.



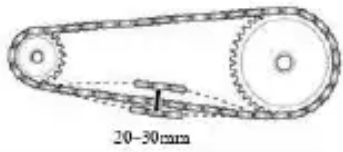
Precautions

This chain does not have a link of union. If you use chains with link of Union can cause an accident.

Changing the chain requires tools special.

To adjust the chain tension:

- * Keep the motorcycle supported on its side stand.
- * Loosen the nut (1) of the rear wheel axle and the two inverse tensors (2).
- * Act on the screws at the end of the swingarm to adjust the chain tension with a slack of 20/30 mm in the center of its lower arch.
- * Keep the same tightness of the two tension screws. check the ends of the swingarm again and return tighten the clearance, correcting it if necessary.
- * Tighten the locknuts (2) of the tensioners and the nut. (1) of the rear wheel axle.



Features: type 520 with seals and 118 links

Tire maintenance

The tires have the important function of contacting the motorcycle with the ground. Some measurements and characteristics Incorrect ones can influence your performance.

Tire pressure

Insufficient tire pressure not only accelerates It not only causes wear but also affects driving. stable. On the contrary, high pressure decreases the area the contact of the tire with the surface, which leads to causing car skids and loss of control of the motorcycle.

Maintain the tire pressure at the recommended values. messengers:

Tire forward	Driver only	32 psi
	With passenger	36 psi
Tire rear	Driver only	32 psi
	With passenger	36 psi



Precautions

An incorrect pressure can cause accidents. Overloading leads to failure of tire and loss of control.

Check the pressure at least once a month.

Limit check of wear

The tires have wear indicators on its surface. The degassing limit should never be reached. The indicators are near the logo of the neu-mathematical at the edge of the tread. the surface of the tire is level with the indicator, it has reached the limit. Change the tire.

Excessive wear causes the band to disappear. of damage on the sides of a tire, it is not recommended repair if the break area exceeds 6 mm.

The performance and adherence of the tire decrease when the wear limit is reached.



Tire repair

If a small hole in a tubeless tire is repaired (without camera) placing a patch inside it, the force high-speed centrifuge can displace the pair from its place because of its flexibility

It is not advisable to drive over 80 km/h during the first... It was 24 hours after repairing a tire. In this case

Check if the tire is damaged on the surface. cracks, scratches or wear appear at the edge. If it is Thus, a tire change will be necessary.

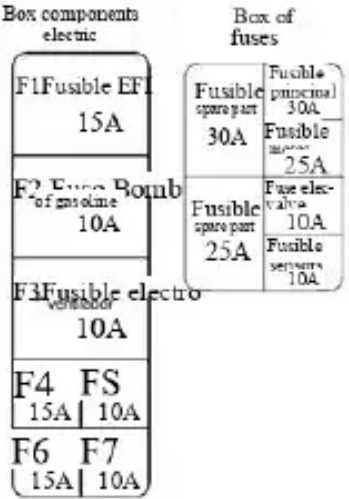
Tire change

- * Do not change tires for others of different brands, types, tread patterns and different uses.
- * A new tire needs to be inspected and balanced. A poor balance can lead to low performance. operational malfunction and uneven wear.
- * Please note the rotation arrow during assembly. grabada en el flanco del neumático. Si el neumático turn in that direction ensures the prevention of the derrapes, increases grip, less noise and greater tire duration. All of this impacts a me-better performance.
- * The specified tires are thoroughly tested and they meet the majority of the conditions of the roads terrace. An unspecified tire, could not be test and its suitability cannot be guaranteed and it follows ridad.
- * A tubeless tire must be well sealed in the joint area of the rim with the tire bead
- * A special machine is required for the assembly of the tubeless tires in order to avoid leaks of air.
- * The tire change operation must be done by a Voge Technical Assistance Service that has experienced personnel and special tools.

Fuses

- Before changing a fuse, first check the cause of the failure and fix it.
- This model uses an electrical component box. cos (with integrated relays inside) and a box of fuses.
- All the features and uses of fuses are written and explained on the box itself.
- The main fuse of the motorcycle (30A, green color) protect the EFI control system, ABS, and other loads electrical (instrument panel, lighting) thus like the charging circuits. There is a spare fuse from 30A.
- The engine fuse (25A, white color) protects the sumi-ABS motor control module. There is a fuse for 25Areplacement part.
- The fuse of the solenoid valve (10A, red color) protects the electrical supply of the solenoid valves of the modu-Lador ABS. There is a spare 10A fuse in the box. of the electrical components.
- The sensor fuse (10A, red color) protects the instrumentpanel,lighting, horn,turn signals yes, side stand switch and starter relay. There is a spare 10A fuse in the box of the ... electricalcomponents.
- The EFI fuse (15A, blue color) protects the supply. electrical for the injection ECU, lambda sensor, diagnostic interface, canister solenoid valve, in-Injectors and ignition coil. There are two spare fuses. 15A in the electrical components box.
- The fuse for the electric fan (10A, red color) protects the electric fan. There is a spare 10A fuse in the box of the electrical components.
- The fuel pump fuse (10A, red color) pro-Take the gas pump. There is a spare fuse. of 10A in the box of electrical components.

After changing the corresponding fuse, close your
It can cause an electrical failure on rainy days.
or after a wash.



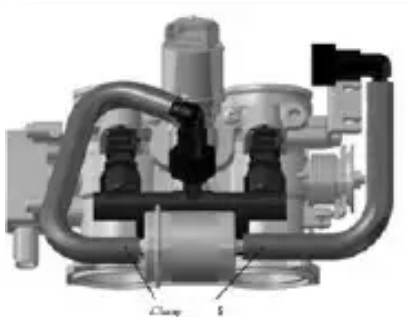
Precauciones

When a fuse blows, it is a sign of a failure has occurred in the electrical system trico. Contact your Assistance Service. Voge Technique.

Use the fuse of the indicated amperage. No replacement with a piece of metallicable. Using different fuses is not allowed. amperage as they can cause serious damage. the electrical system or even cause a fire.

Fuel filter change

- * The fuel filter is used to clean impurities that they could pass to the injector.
- * The injector nozzle has been machined with great precision. precision and it wouldbe easyto block it.In the event that if the engine is blocked, it could not be started. Because That's why I changed the fuel filter on time.
- * Remove the deposit and you will be able to see it on the right side of the air filter box.
- * Remove the clamps with a screwdriver that is... tightened very tightly holding the filter.
- * Wrap the ends of the filter with a cloth of some kind. where to avoid gasoline splashing when removing the clamps due to the pressure that is maintained inside of the tubes.
- * I changed the fuel filter for a new one.
- * Reassemble everything in the reverse order of disassembly. assembly.



Change the fuel filter every 5,000 km.

No.	Position	Torque tightening (Nm)
1	Attachments of the motor	M8x1.25: (30 - 40) M10x1.25: (30 - 40)
2	Fork unions	M8x1.25: (22 - 32) M14x1.5: (35 - 45)
3	Rear disc	M8x1.25: (35 - 41) M14x1.5: (17 - 23)
4	Rear wheel axle	M14x1.5: (65 - 75)
5	Axis of the direction	M22x1: (65 - 75) M25x1: (24 - 26)
6	Handlebar and steering axis.	M6x1.25: (10 - 14) M8x1.25: (22 - 32)
7	Sup Union dampened	M12x1.25 (55 - 61)
8	Union inf. dampened	M10x1.25 (35 - 45)
9	Front disc	M8x1.25 (17 - 23)
10	Tilt table	M14x1.25 (65 - 75)

Torque pair table for the most common unions

Periodic maintenance schedule

The motorcycle should be repaired and maintained periodically. Say as shown in the table on the next page.

For your safety, trust the review and maintenance work to notification to an Authorized Technical Assistance Service Vogue.

Legend: I:

I: Check, clean, adjust, grease or change. C: Limpiar R Cambiar.A:Ajustar.L:Engrasar

Note

If you drive in a dusty area, you will need to clean. more frequently the vehicle.
02. When the mileage has exceeded the limits of the table, continue the exposed maintenance frequency.

Maintenance table

ITEM	OBS	Period maintenance	1.000 km* [3months/	5.000 km* 12months/	10.000 km* 24months/	15.000 km* 36 months	20.000 km* 48 months	25.000 km* 60 months	30.000 km* 72months
Injection System Circuit			I	I	I	I	I	I	I
Accelerator operation			I	I	I	I	I	I	I
Air filter		-	I	C	R	C	R	C	R
Spark plug	0.8 - 0.9 mm	CPRBEA-9		I	I	I	I	R	I
Soda	1.45 liters	Every 2 years R	I	I	I	I	I	I	R
Check admission sealing			I	I	I	I	I	I	I
Valve light	0,16 0,03 adm 0,27 0,03 exc		I	I	I	I	I	I	I
motor oil	2.7 liters 10w40 sj semi-synthetic	Every year R	R	R	R	R	R	R	R
Oil filter	2.7 liters 10w40 sj semi-synthetic	Every year R	R	R	R	R	R	R	R
Transmission chain	20 - 30 mm 520 x 118		A,L	A,L	A,L	R	A,L	A,L	R
Fuel filter			C	R	R	R	R	R	R
Battery voltage check	12V 10aH	Every month	I	I	I	I	I	I	I
Brake hose		Every 4 years R		I	I	I	I	I	I
Brake fluid reservoir			I	I	I	I	I	I	I
Brake fluid	Dot 4	Every 2 years R	I	I	I	I	I	I	I
Front / rear brake pads		Every 2 years R	I	I	I	R	I	I	R

500DS

ITEM	OBS	Period maintenance	1.000 km* [3months/	5.000 km* 12months/	10.000 km* 24months/	15.000 km* 36months/	20.000 km* 48 months	25.000 km* 60 months	30.000 km* 72months
Rear brake switch			I	I	I	I	I	I	I
Gas evaporation system			I	I	I	I	I	I	I
Suspensions			I	I	I	I	I	I	I
Clutch			I	I	I	I	I	I	I
Lubrication of the lateral jack axle			L	L	L	L	L	L	L
Handle and pedal lubrication			L	L	L	L	L	L	L
Rear suspension bearing grease				L	L	L	L	L	L
Bearing grease fork				L	L	L	L	L	L
Tuercas,Tornillos,Bulones			I	I	I	I	I	I	I
Wheel bearings				L	L	L	L	L	L
Grease cross-shafts			L	L	L	L	L	L	L
Bearings, steering tracks			I	I	I	I	I	I	I
Wheels, Tires	32 psi, max 36 psi		I	I	I	I	I	I	I

I Inspect (***)

R Replace

C Clean

A Adjust

L Lubricate

If driving in dusty areas, clean more frequently or consider replacement.

When the Km has exceeded the limits of the table,

*** - May require Cleaning / Adjustment / Lubrication / Replacement.





Precautions

High-pressure water can damage some parts of the motorcycle such as:

Tires and hubs
Exhaust pipe
Deposit and lower base of the seat
Butterfly body
Contact lock
Instrument panel

El combustible es inflamable; apague el motor and the electrical supply before adding to drain fuel. Smoking is not allowed in the areas where it is handled or stored flammable.

Motorcycle cleaning

A periodic cleaning of the motorcycle prevents the color of the lores become paler. It is also advisable for check for vehicle damage or oil leaks.

- 01** The motorcycle should be cleaned with running water to then rinse it. Remove the dirt to avoid the oxide. The plastic parts should be cleaned with a cloth or a sponge impregnated with a cleaning product neutral piece and then rinsed with running water.
- 02** Lift the motorcycle into the air and then grease the chain, and spin it for a few minutes.
- 03** Check the braking system several times before start the march. If necessary and it needs to be repaired Adjustment, make them immediately.

Maintenance in a prolonged period of storage

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Storage and maintenance

In case it is necessary to store the motorcycle, due to inactivity for a prolonged period, pay attention to protect it from moisture, cover it from sunlight and the rain to prevent damage. Do a check on-Special in the most important parts before saving the motorcycle

- 01** Change the engine oil.
- 02** Lubricate the chain.
- 03** Drain the fuel from the supply system and-deposit, disconnect the power, then fill the a liquid that prevents rust in the tank and cover the tank cap. If the motorcycle is going to be inactive for more than a month, remove the fuel from the injector tubes.
- 04** Remove the spark plug and add 15~20 ml of new engine oil. Go through the spark plug hole and then screw it back in.
- 05** Remove the battery and store it in a cool and ventilated place. It is suggested to recharge it once a month.

- 06** Clean the motorcycle by spraying it with a fixative spray. paint and colors, used an anti-rust spray for the potentially oxidizable parts.
- 07** Inflate both tires to the recommended pressure. lift the motorcycle so that the tires don't touch the ground.
- 08** Cover the motorcycle.

Recovery for your use

- 01** Remove the cover and clean the motorcycle. In case of inaction-After more than 4 months of activity, I changed the oil.
- 02** Charge the battery and mount it on the motorcycle.
- 03** Drain the anti-rust liquid from the tank and then refill it. of gasoline.
- 04** Thoroughly check the motorcycle before start the march and test it in an enclosed space at low speed.

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EFI injection system diagram

- Battery

2) Instrument panel

3) ECU

4) Fuel pump relay

5) Fuel pressure regulator

Fuel pump

Fuel filter
- Injector

BobinaAT

Spark plug

11) Sensor

12) Idle control

Canister

14) Butterfly body
- 15) Crankshaft position sensor

16) Coolant temperature sensor

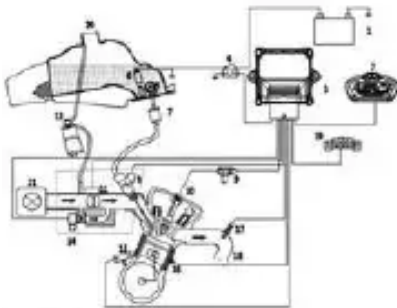
Lambda sensor

18) Silencer (with catalyst)

19) Diagnostic connector

Fuel deposit

Air filter



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Operation and maintenance of the EFI Injection system

For the first time I started the motorcycle, it gathered turn the ignition key from OFF to ON 3 times for 5 seconds before proceeding to start. This the measure is taken to completely exhaust the gases re-held in the fuel system and increase the pressure of the same.

In normal use after the first start-up, it reco- You can start after the bomb has done its work (or 5 seconds after turning the key to ON contact), in order to generate sufficient pressure from the fuel before starting.

Tras un año de uso o una vez recorridos 6.000 km, será it is necessary to change the fuel filter and clean the body butterfly powder.

Pay special attention to:

- 01

Check the voltage between the terminals + and - of the battery. And charge it if the voltage is above 5V.
- 02

It is recommended to charge the battery with a digital charger. adjustable. Adjust the charger tension to charge at

16/17 V for 40 minutes in order to activate the ba- would have high tension.

- 03

If no charging current is detected after activation high tension for 40 minutes, means that the beat- the line is defective. And if the current continues to flow after the activation of high tension during 40 minutes, stop it and adjust the charger to a voltage constant of 14/14.5 V to charge the battery.
- 04

When the load current is about 2 A, adjust. the charger current at a constant current of 2 To continue loading. That is, use a consistent voltage. charger of 14/14.5 V and a constant current of 2 A for charging. When the current of the charger drops below the 0.2 A means that the battery is completely loaded and must stop loading it.
- 05

Let the battery rest for approximately 1 hour and then check the voltage between its terminals. If the tension exceeds 12V, it means that the battery is ready for use, otherwise it means that the battery it is deteriorated.

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Review of the delivery

The inspection upon vehicle delivery has been carried out. according to the instructions of Voge.
The client declares that they have received the associated documentation. to the vehicle.
The vehicle was delivered in perfect condition.

Place and date: _____

VOGE Warranty Policy

VOGE guarantees the buyer of a motorcycle from its brand that our authorized points of sale will repair or will replace any part of the vehicle that has failed due to a defect in material and/or assembly according to the the following terms and conditions:

01 The duration of this limited warranty is 24 months, measured from the date of sale to the first owner from an authorized point of sale, with a limit of 24,000 km, or whichever occurs first and respecting the maintenance schedule.

02 Any vehicle that:

- a. It has not been maintained at an official point of sale, an authorized workshop by VOGÉ following the program of periodic maintenance as specified in the owner's manual. The omission of any of the periodic reviews will lead to total loss of the vehicle warranty.
- b. Has been improperly manipulated, modified the factory specifications, or inadequately stored mind.

- c. Has been the subject of abuse, neglect, robbery, theft, fire, vandalism, accident or used for a purpose different from its design as stated in the instructions mentioned in the manual of owner.
- d. If fuel, lubricants or different liquids have been used entities to those recommended by VOGÉ.
- e. It has been intended for rent, competition, activity-commercial activities, shows and other manifestations public actions.

03 The following are excluded from the warranty:

- a. Those pieces and labor resulting from op-maintenance operations, cleaning and adjustments just like as specified in the owner's manual such as lubricants, air and oil filter changes, cleaning of the fuel system, accumulation of soot, battery maintenance and chain tensioning.
- b. The damages caused by normal wear and tear such as silent, battery, clutch, variator system, bu-joints, bulbs, CDI, rectifier, relays, coil, stator horn, electrical wiring, chains, sprockets of

Signature and seal of the seller

Datos del vehículo

Model _____

Chassis number: _____

Start date of the warranty: _____

- final transmission, brake pads and tires, without prejudice of being covered under warranty when there is a manufacturing or assembly defect.
- c. Any battery that does not accept charging after a period of a reasonable amount of time since its implementation, it consider that it has not been properly maintained charged periodically to prevent sulfation of the plates) and is excluded from the warranty.
 - d. The damages caused by fire, collision, accident or inappropriate maintenance (especially the pro- caused by lack of oil whose level must be checked every 500 Km).
 - e. Corrosion and damage caused to the paint, molds, rubber or plastic pieces as a consequence from the action of atmospheric agents.
 - f. Damage caused by the installation of parts or access- riers that are not manufactured or supplied by VOGÉ. Those natural phenomena such as noises or
 - g. oil leaks, considering that it does not affect in in any way to the quality, functioning or behavior- vehiclemaintenance.
 - h. Any form of economic compensation or other na- such as hotels, food, transport, crane, rental of another vehicle, etc., that may occur such as consequence of a breakdown.

To

the vehicle must request warranty intervention from an official point of sale or authorized VOGÉ workshop in a period not exceeding 15 days, bringing the vehicle and providing the following documents:

- a. Sales invoice, sales record printout or in if applicable, circulation permit that demonstrates the warranty validity period.
- b. Documents that demonstrate the achievement of the plan maintenance marked by the factory in the manual from the owner and made by a point of sale official or authorized VOGÉ workshop.

Inspection stamps

The reviews must be completed before 100 kilometers from the indicated distance, but never later one year after the previous review. The reviews are

mandatory for any warranty claim. (* It what happens first

Review 1,000 km or 3 months Date: Km: Signature and seal Authorized seller	Revision 5,000 km or 12 months Date: Km: Signature and seal Authorized seller
Review 10,000 km or 24 months Date: Km: Signature and seal Authorized seller	Review 15,000 km or 36 months Date: Km: Signature and seal Authorized seller

20,000 km or 48 months service

Date:

Km:

Signature and stamp
Authorized seller

Service at 25,000 km or 60 months

Date:

Km:

Signature and seal
Authorized seller

30,000 km or 72 months review

Date:

Km:

Signature and seal
Authorized seller

Review 35,000 km or 84 months

Date:

Km:

Signature and seal
Authorized seller

40,000 km or 96 months service

Date:

Km:

Signature and seal
Authorized seller

Service at 45,000 km or 108 months

Date:

Km:

Signature and seal
Authorized seller