

**SINNIS**  
MOTORCYCLES



SINNIS T380 USER'S MANUAL

<https://www.motomanuals.net/>



Thank you for buying a new Sinnis Motorcycle.

**Please read this manual carefully** before using your Sinnis. It contains important information on the function, operation and maintenance of the bike that will help the owner to keep it running safely and reliably and maintain its value. It describes basic inspection and maintenance procedures that the owner should carry out as described. We advise that all advanced servicing and maintenance procedures are carried out by an authorized Sinnis dealer using the manufacturer's parts.

The pictures in this manual are for reference only and may show a difference to the actual motorcycle. Any questions or concerns, please contact either your local dealer or Sinnis International Trading Ltd for advice.

## INFORMATION

---

For your own safety and that of others, please strictly follow the safety information and operating instructions provided, and pay particular attention to the safety warning symbols shown below when given:



**DANGER**

Indicates a potential high-risk hazard that may cause serious permanent injury or death if the instructions or advice are not followed.



**WARNING**

Indicates a potential medium-risk hazard that may cause serious injury or death if the instructions or advice are not followed.



**CAUTION**

Indicates a potential low-risk hazard that may cause minor or moderate injury if the instructions or advice are not followed.



**ADVICE**

Indicates special information to make maintenance easier or instructions clearer.

---

---

## CONTENTS

Preface	1	Running-In	27
Safety information	2	Safe riding guide	28
Contents	3	Periodic maintenance	30
Precautions for use	4	Engine oil	31
Vehicle identification numbers	5	Air filter	33
Introduction to the motorcycle	6	Spark plugs	34
Ignition Switch/Steering lock	9	Throttle adjustment	35
Instrument warning lights	10	Front brake inspection	36
Left-hand switches	11	Rear brake inspection	37
Right-hand switches	12	Tyres and wheels	38
Fuel tank	13	Battery	39
Motorcycle controls	14	Fuse replacement	40
Load limit	17	Horn	40
Electronic fuel injection (EFI) system	18	Troubleshooting	41
Pre-Ride checks	23	Cleaning and storage	42
Starting and warm-up	24	Rear Wheel Maintenance	43
Riding instructions	26	Specifications	44

## USER'S NOTICE

---

Read through this manual carefully and thoroughly.



### DANGER

1. Strictly follow all traffic laws and regulations.
2. Do not ride this motorcycle without a valid motorcycle license.
3. Do not allow anyone else to ride this motorcycle without a valid motorcycle license.
4. Do not ride this motorcycle under the influence of drugs or alcohol.
5. This motorcycle is not designed for competition use and Sinnis International Trading Ltd will not be held responsible for accidents, breakdowns, or injury or any other consequences of incorrect use.
6. Do not ride this motorcycle if you have underlying health conditions that may impair your ability to ride safely.



### CAUTION

1. Valve clearances must be checked and adjusted by a Sinnis approved professional workshop mechanic in accordance with the maintenance schedule.
2. This motorcycle is limited to one rider and one passenger. The maximum total load capacity of this bike is 150kg. The maximum load in the luggage supplied by Sinnis is 5kg in the top box and 5 kg in each side pannier.
3. The recommended fuel is Minimum Research Octane Number (RON) 95 with maximum Ethanol content of E10 (10%) The use of poor quality fuel is not recommended and any consequences of its use are not covered under warranty.



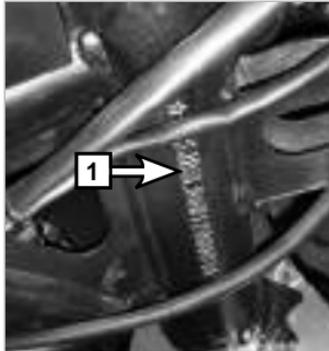
### WARNING

1. Wear the correct riding gear in accordance with the legislation of the country you are riding in.
2. Never wear loose clothing or items that could become entangled with the bike and cause an accident.
3. The use of parts such as fairings, windshields, luggage and others that are not approved by Sinnis International Trading Ltd can have a detrimental effect on the reliability, performance, and stability of the motorcycle. The distributor cannot be held liable for the consequences of the use of any parts that have not been approved by Sinnis International Trading Ltd.



### ADVICE

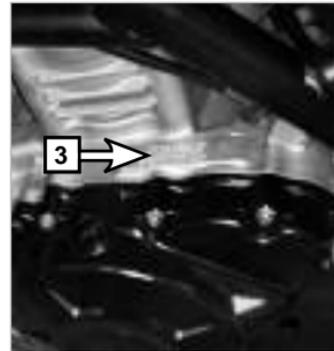
1. If the motorcycle is sold or transferred to a new owner this manual or a replacement manual must be supplied with it.
2. During the warranty period, we advise that you maintain your bike according to the maintenance schedule or mechanics advice. Failure to do so may result in the motorcycle's warranty being void.
3. All warranty work must be carried out at a Sinnis authorised dealership.

**Vehicle Identification Number(VIN) and Engine Number**

1. The vehicle identification number (VIN) is stamped on the right-hand side of the steering head.



2. The VIN plate is on the right-hand side of the frame.



3. The engine number is stamped on the top of the crankcase on the left-hand side.

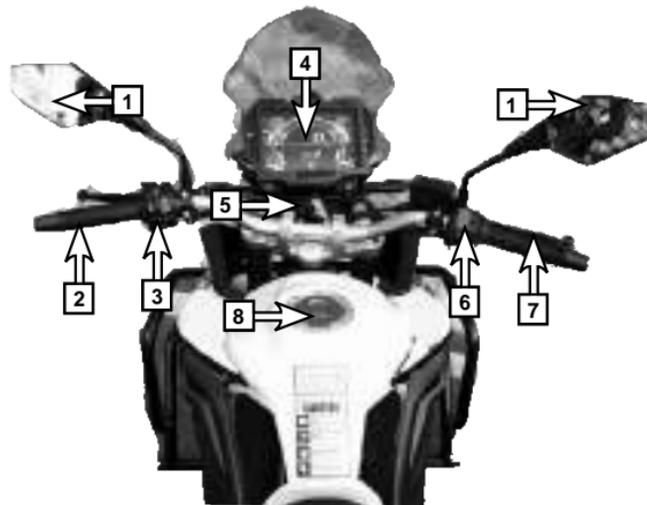
Record these details here for future reference:

Engine No.		VIN	
------------	--	-----	--

## USER'S NOTICE

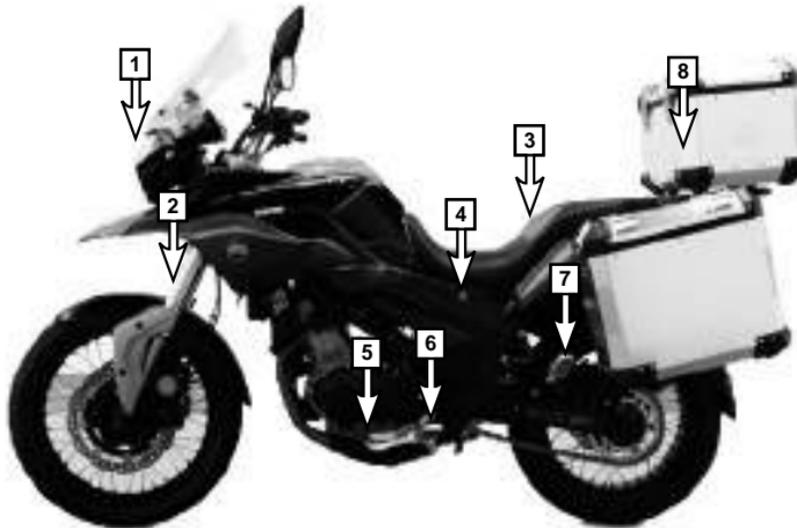
---

Introduction to the motorcycle - Location of parts, rider's view



1. Rear-view mirror 2. Left handlebar 3. Left switch housing 4. Instrument cluster 5. Ignition switch 6. Right switch housing 7. Throttle Grip 8. Fuel tank filler cap

## Location of parts - left-hand side

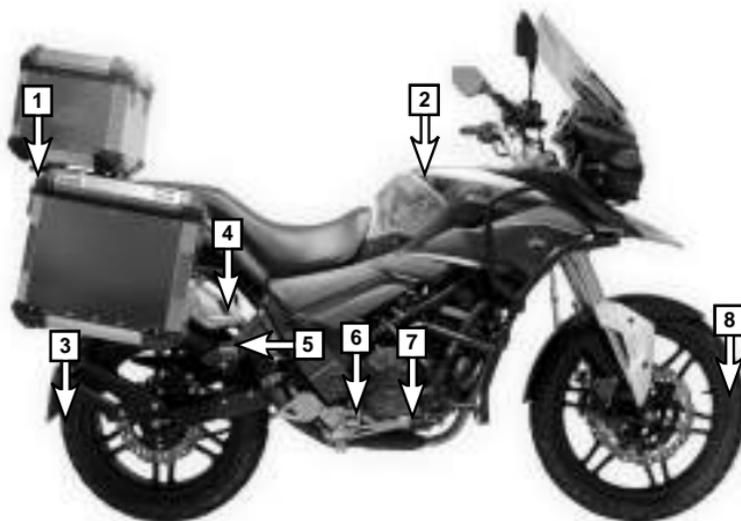


1. Headlight 2. Front forks 3. Seat 4. Seat lock  
5. Gear-change lever 6. Rider's footrest 7. Passenger footrest  
8. Luggage

## USER'S NOTICE

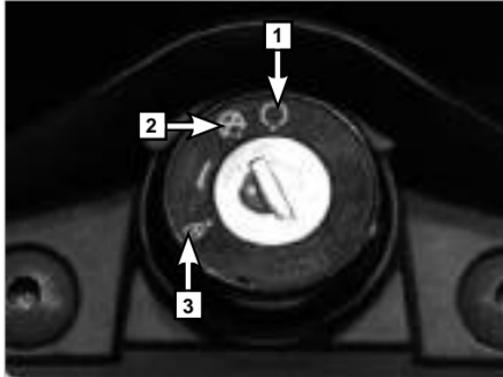
---

Location of parts - right-hand side



1. Tail light 2. Fuel tank 3. Rear wheel 4. Exhaust silencer  
5. Passenger footrest 6. Rider's footrest 7. Rear brake pedal  
8. Front wheel

## Ignition lock



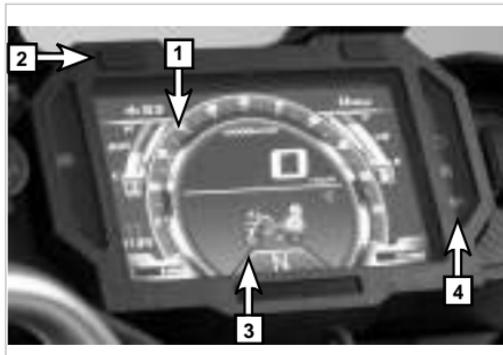
The ignition switch operates the ignition system and steering steeringlock as below:

Name	Instruction
1. Ignition switch ON	Turn the ignition key to  position to provide power for the ignition. In this position the key cannot be removed.
2. Ignition switch OFF	Turn the ignition key to  position to turn off the power. In this position the key can be removed.
3. Steering lock ON	Turn the handlebars to the left. Turn the key anti-clockwise to the push position, push the key down and turn to the  position to lock the steering.

## USER'S NOTICE

### Instrument Cluster

The functions of Instrument console are as below:

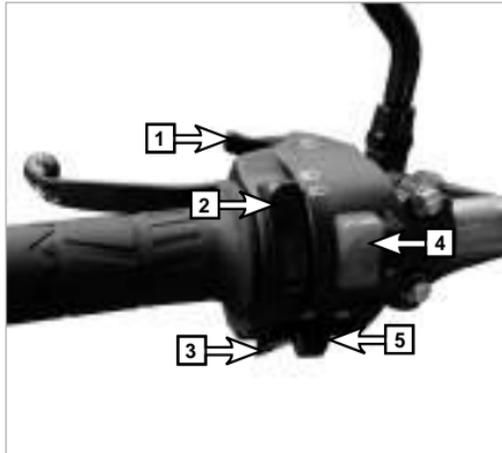


### DANGER

Riding for prolonged periods with the tachometer needle in the red zone should be avoided to prevent causing damage to the engine.

Name	Instruction
1. Tachometer	Displays the engine speed (RPM).
2. Mode /select buttons	Ign ON: Press mode to change mpg/av.mpg/av.mph/max.mph. Press & hold mode/select buttons to set clock, release when digits flash and change using mode button, switching between hours/mins with select button. Press and hold select button to zero trip meter. Ign OFF: Hold select button and turn ign ON, keep select held until start sequence complete to change from metric to imperial and vice/versa.
3. TFT screen	Displays road speed, RPM, ODO, TRIP, TEMP, gear position, time.
4. Signal indicator	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>⇐ left turn signal</p> <p>≡ High beam</p> <p>⚠ Engine warning light</p> <p>If oil warning light comes on, stop engine</p> </div> <div style="width: 45%;"> <p>⇨ right turn signal</p> <p>⛽ Low fuel</p> </div> </div>

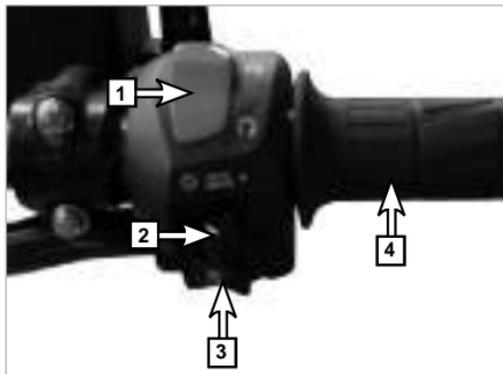
## Left Hand switches



Name	Instruction
1.Pass switch	When overtaking the "PASS" switch can be used to warn the vehicle in front. Press the switch to turn the high beam light on. Release the switch to turn the high beam light off.
2.Dimmer switch	Turn the switch to for high beam. Turn the switch to for the low beam.
3.Horn button	Press the button to use the horn
4.Hazard warning light switch	In case of emergency push the hazard warning light switch - all four turn signals will flash.
5.Turn signal switch	Move the switch to the left or right when making a left or right turn

## USER'S NOTICE

### Right Handlebar Controls



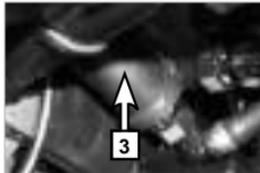
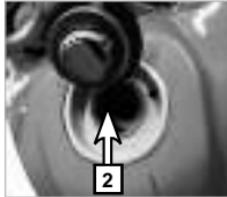
#### WARNING

DO NOT use the electric starter for more than 5 seconds. If the engine does not start wait 10 seconds before trying again. Seek guidance from a Sinnis Approved dealership or mechanic if the engine does not start after 3 attempts.

Name	Instruction
1.Engine ON/OFF switch	Turn the switch to ☒ position to stop the engine. Turn the switch to ○ position before starting the engine.
2.Illuminating switch	Turn switch to ☼ to turn on headlight,turn switch to ☸ to turn on instrument lights,tailight and position light,turn switch to ● to turn lights off.
3.Electric starter button	Press button (Ⓢ) to use the electric starter. Caution: If the motorcycle is in gear you must hold the clutch lever in or select Neutral before pressing the button.
4.Throttle grip	Controls the amount of throttle.

**Fuel tank**

Fuel tank capacity: 19L. Use 95 RON petrol.



Name	Description of function
1. To open the fuel tank	Insert ignition key and turn clockwise to open filler cap.
2. To close the fuel tank	Align the fuel tank cap latch with the groove in the filler neck and turn the key anti-clockwise to lock the fuel tank cap.
3. Fuel filter	The fuel is filtered by the fuel filter to ensure it is clean.

 **CAUTION**

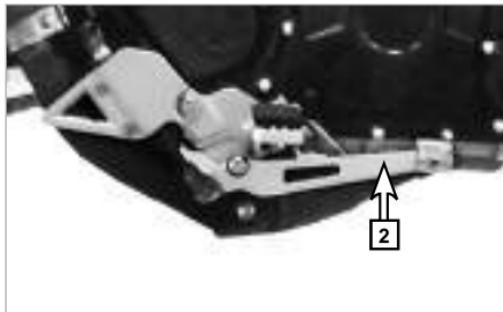
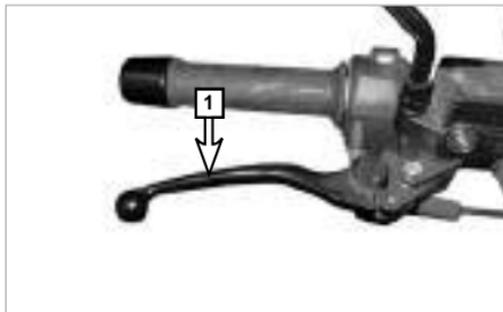
Only use the specified type of fuel. If you do not, the engine may stop, fuel economy may be reduced, and the bike could become unsafe for use. Never use petrol that contains more than 10% ethanol (E10 rating). Doing so could reduce the service life of the engine. Failure to use the correct fuel may void your warranty and be beyond the responsibility of Sinnis Motorcycles.

 **DANGER**

1. Only add fuel in a well ventilated area. Do not overfill the tank - the fuel level should not be above the bottom of the filler neck.
2. When adding fuel, keep away from sparks and naked flames, and do not smoke.
3. Only use the specified type of fuel. Failure to do so can affect the motorcycle's reliability and performance. The ethanol content must not exceed 10%, otherwise it can have a detrimental effect on the motorcycle. Sinnis Trading International Ltd cannot assume liability for any damage caused by the use of the wrong fuel.

## USER'S NOTICE

### Operation controls



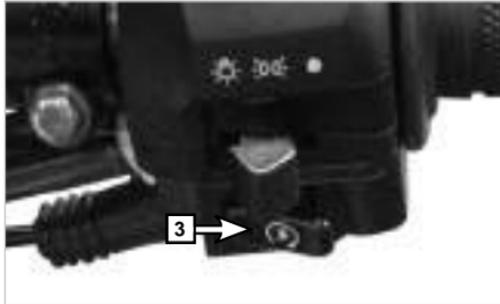
This motorcycle has both front and rear disc brakes. Please ensure to properly clean and maintain the brake system for the safety and reliability of your motorcycle.

Name	Instruction
1. Front brake lever	Activates the front wheel brake
2. Rear brake pedal	Activates the rear wheel brake

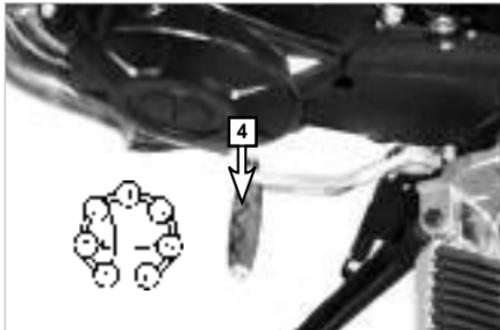
#### **ADVICE**

Have the brakes checked and maintained at the specified interval by a Sinnis approved dealership

## Operation controls



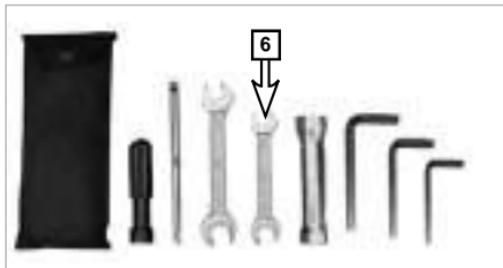
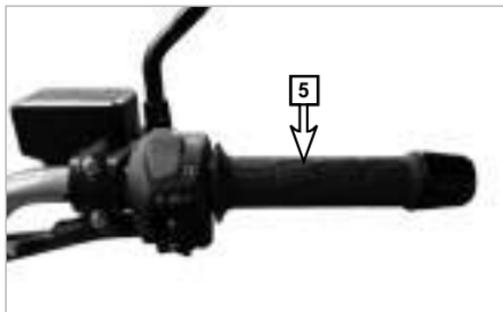
Name	Instruction
3. Electric starter button	Push the button to use the electric starter
4. Gear-shift pedal	This bike has a 6-speed transmission in the standard one-down, five-up pattern as shown in the picture.

**⚠️ ADVICE**

1. This bike has a manual wet multi-plate clutch. Make sure the transmission is in neutral before starting the engine.
2. If the clutch slips, take the bike to a Sinnis Approved dealership or mechanic.

## USER'S NOTICE

### Operation controls



Name	Instruction
5.Throttle twist grip	Twist the grip back to open the throttle, twist it forwards to close the throttle.
6.Tool kit	The tools provided enable you to do some simple adjustment and maintenance. The kit contains: 8 and 10 mm spanners, Spark plug socket, Screwdriver handle with double-ended screwdriver, 4mm Hex key, 5mm Hex key, 6mm Hex key

### Loading limit



This bike is limited to one driver and one passenger. Strictly follow the load limits given below, otherwise the safety and stability of the motorcycle will be affected.

Total Max.load of motorcycle:150kg.

The load of the aluminium top box and each side box is 5kg.



#### **DANGER**

1. The user is responsible for any traffic accident that causes injury or death as a result of over loading.
2. Our company will not guarantee warranties if there is any marking or damage to the finish of the luggage that is the fault of the user.
3. Please make sure the load on each side of the motorcycle is evenly distributed.

## USER'S NOTICE

---

### EFI (electronic fuel injection) system

The primary function of the EFI system is to atomise the fuel and mix it with air before it enters the combustion chamber. The EFI system consists of the electronic control unit (ECU), injector, throttle, inlet air pressure sensor, engine temperature sensor, ignition coil, crankshaft position sensor and oxygen sensor. The EFI system controls the fuel/air mixture ratio and ignition timing to optimise engine performance and driveability, and strictly controls exhaust emissions.

An EFI fault warning light is provided in the instrument cluster. The warning light comes on when the ignition switch is turned on and goes out when the engine starts. If the warning light does not go out when the engine starts or comes on or flashes when the engine is running, the EFI system has a fault.

You can use a fault code reader to diagnose the fault but we advise to take the motorcycle to an approved Sinnis dealership.

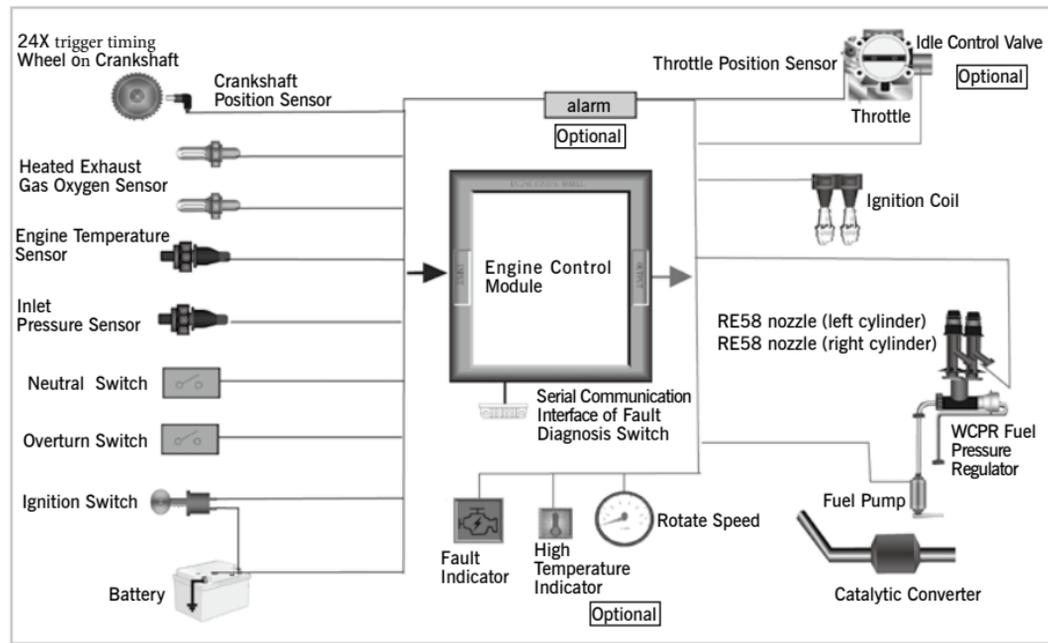


### WARNING

1. Do not start the motorcycle when there is not enough fuel to cover the fuel pump or this may damage the pump.
2. Additional electrical equipment i.e. GPS, alarm etc. should be connected directly to the battery and not into the bike's wiring loom. Additional electrical equipment should be kept 150mm away from the EFI system components.
3. If the EFI warning light indicates an error please take the motorcycle to a Sinnis approved mechanic to be inspected/ repaired.
4. The EFI system is set when leaving the factory. Do not adjust the throttle idle screw or replace or adjust any of the EFI system components yourself. For further information, please contact the Sinnis International service department.

**EFI system**

**EFI schematic**



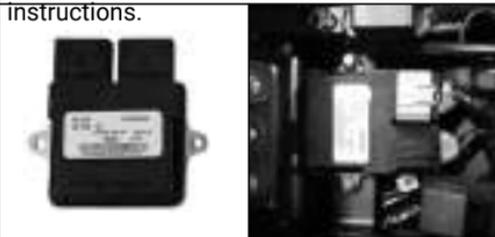
## USER'S NOTICE

---

### EFI system

#### Function Introduction and Installation Position

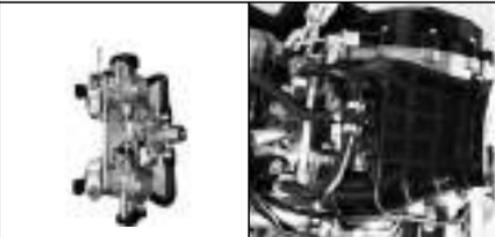
**1. Electronic Control Unit (ECU):** Collects and processes information and issues instructions.



**3. Fuel injector:** Atomises the fuel and injects it into the combustion chamber.



**2. Throttle valve assembly:** Adjusts air intake volume, idling and throttle position.



**4. Fuel pump:** Supplies fuel at the correct pressure.



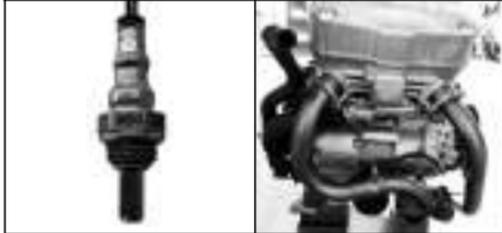
EFI system

Function Introduction and Installation Position

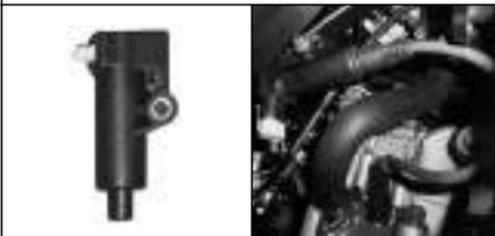
5. Inlet pressure Sensor- measures air pressure in the inlet duct



7. Oxygen Sensor : Measures oxygen content of exhaust gases.



6. Ignition coil: Provides high voltage to spark plug for ignition



8. Crankshaft Position and Speed Sensor: measures crankshaft position and speed, sends information for fuel injection and ignition timing

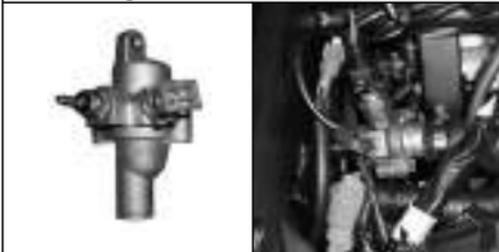


## USER'S NOTICE

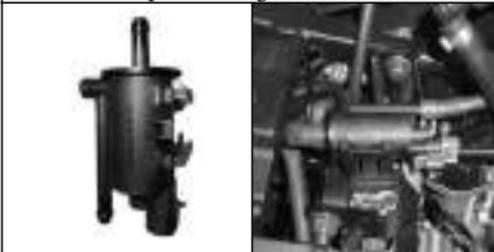
### EFI system

#### Function Introduction and Installation Position

**9.Engine Temperature Sensor:** Measures engine coolant temperature



**10.Solenoid valve for carbon canister:** Controls flow of fuel vapour through the carbon canister.



### CAUTION

- 1.Do not disconnect the ECU or other EFI components when the ignition switch is turned ON.
- 2.Do not tamper with the EFI components and wiring during removal or installation.
- 3.Lubricate the fuel injector, inlet temperature and inlet pressure sensor O-rings before installation to avoid damaging them.
- 4.The fuel hose contains pressurised fuel. Before disconnecting the hose cover the connector in rag to catch any fuel that may spurt out.
- 5.Do not apply additional voltage to the EFI components.

## OPERATION RECOMMENDATION

### INSPECTION BEFORE RIDING

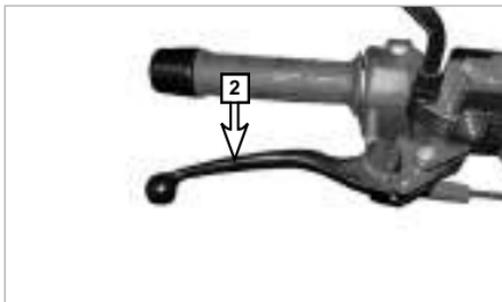
To ensure your safety, check the following items before riding.

Check the headlights, tail and brake lights, turn signals and horn are functioning correctly.

No.	Item	Inspection	
1	Fuel system	Check you have enough fuel. Check for fuel leakage.	
2	Engine oil	Check oil level is above the minimum mark.	
3	Electrical system	Check ignition switch and instrument function.	
4	Battery	Make sure battery is charged.	
5	Brake lever	Check front brake function.	
6	Brake pedal	Check rear brake function.	
7	Throttle twistgrip	Check throttle twistgrip opens and closes smoothly and freely	
8	Steering mechanism	Check handlebars turn smoothly and freely.	
9	Chain	Check chain freeplay is 25 mm. Check chain is lubricated.	
10	Tyre/Wheel	Check tyre pressures. Check tyres for damage.	
11	Turn signals & horn	Check head, tail, brake and turn signal lights work properly	
12	Brakes	Check brake pads and discs for wear and damage.	
13	Main/side stand	Check main & side stand function and that springs secure them in place	
14	Nuts and bolts	Check all nuts and bolts for looseness	

## OPERATION RECOMMENDATION

### Starting and warm-up



When using the electric start, each starting attempt should not exceed 5 seconds. Wait for 10 seconds before trying to start the engine again. If the engine cannot be started within 3 attempts, check the motorcycle. Cold starting and warm-up should be done as follows:

1. Turn ignition on and wait for the fuel pump to pressurise the system. Check the neutral light is on, and select neutral if not.
2. Apply the front brake lever or brake pedal before pressing the electric starter button.



### CAUTION

Do not operate the starter motor continuously for more than 5 secs. If the engine does not start after 3 attempts wait several minutes before trying again to protect battery.

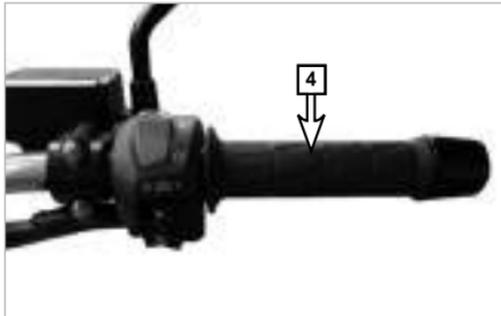
## OPERATION RECOMMENDATION

### Starting and warm-up



3. With the throttle closed press the electric starter button.

4. Warm the engine for 3~5 minutes at idle speed before riding.



### WARNING

To protect the engine from excessive wear after a cold start, allow the engine to warm up before riding and do not use excessive amounts of throttle until the engine reaches normal operating temperature.

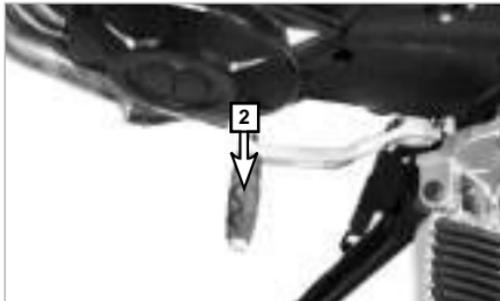
## OPERATION RECOMMENDATION

### Riding operation



1. After starting and warm-up, make sure the side stand is in the up position. Pull the clutch lever in and hold it in whilst you push the gear lever down with your left foot to select 1st gear.

2. Slowly release the clutch lever and simultaneously open the throttle slowly to pull away. After the motorcycle increases speed, pull the clutch lever in and close the throttle, then push the gear lever up with your left foot to select the next gear.



#### DANGER

The rider must wear the appropriate protective motorcycle clothing, such as helmet, jacket, trousers, gloves, boots. Make sure all attire is in good condition and meets legal requirements.

---

## OPERATION RECOMMENDATION

---

### Operation for new vehicle

After buying a new motorcycle, the engine must be run in. The running in period is very important for a new engine, and not doing so correctly can increase engine wear and reduce reliability. For the first 600 miles keep the engine speed below 6000 RPM in all gears, do not use full throttle, avoid labouring the engine by using the gearbox, and **avoid riding at the same speed for long distances.**

1. 0 miles~600 miles:  
Do not exceed 6000 RPM.
2. 600 miles~1000 miles:  
Do not exceed 7000 RPM.
3. After 1000 miles:  
You can exceed 7000RPM.

## OPERATION RECOMMENDATION

---

### Guide for safe riding

#### 1.Guidance for riding up and down slopes

When riding up and down hills or slopes, change gear according to the situation to avoid overloading or over-revving the engine.

- ①. When riding up steep slopes, use lower gears to keep engine speed up.
- ②. When riding down steep slopes. Control your speed and do not free- wheel in neutral.

#### 2.Guidance for riding on wet and slippery roads or on loose surfaces

- ①. Do not use worn tyres. If tyre tread depth is less than 2mm, reduce speed and do not brake suddenly.
- ②. Keep to a low speed and do not accelerate, brake or turn suddenly.

#### 3. Guidance for riding on ice and snow roads

- ①.We do not advise riding on icy or snow covered surfaces. When riding on ice and snow roads, use tyres designed for those conditions.
- ②.Keep to a low speed and do not accelerate, brake or turn suddenly.

### Guide for safe riding

#### 4.Guidance for riding and braking

When riding at high speeds, braking distances are increased. It is important to be aware of braking and stopping distances.

- ①. Rain or fog may cause low visibility and make the road surface slippery, which will reduce the amount of grip when braking. It is advised that you reduce your speed in these conditions.
- ②. Take care not to apply brake pressure by resting your fingers or toes on the lever or pedal when riding normally.
- ③. Prolonged use of the Brakes when riding downhill can cause the brakes to overheat .

#### 5.Exhaust emissions and pollution

Do not breath in the exhaust gases as they contain CO (carbon monoxide), which is harmful. Users should take measures to prevent breathing in CO. Do not start and run the engine in an enclosed area. Inspect exhaust system for air leakage and ensure that the exhaust gas is emitted from the tail of the silencer.

## MAINTENANCE

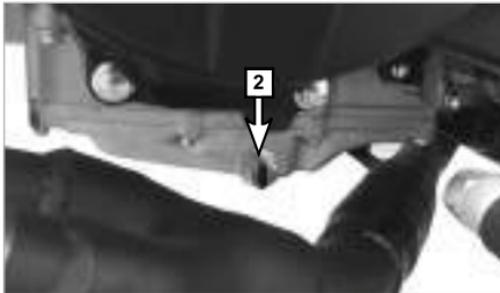
### Maintenance schedule (also see Inspection before riding items)

ITEMS \ TIMES	Odometer reading (miles)			Remark
	600 miles	Every 4000 miles or 1 year	Every 8000 miles or 1 year	
Valve clearance <sup>*</sup> <small>0.05mm ±0.01mm</small>	Inspect/adjust	Inspect/adjust	Inspect/adjust	1. ※: Use bearing grease.
Spark plug <sup>*</sup>		Replace at 4000 miles, thereafter every 8000 miles		
Air cleaner <sup>*</sup>		Clean/Inspect	Replace	
Brake fluid <sup>*</sup>	Replace every 2 years			2. ※: advise you to maintain motorcycle or parts at Authorised Sinnis Dealer
Engine oil and filter <sup>*</sup>	Replace	Replace		
Cooling system <sup>*</sup>	Inspect	Inspect	Change coolant every 2 years	3. Inspect items more regularly when operating in humid or dusty conditions
Brakes <sup>*</sup>	Inspect/adjust	Inspect/adjust	Inspect/adjust	
Clutch/throttle cables <sup>*</sup>	Inspect/adjust	Inspect/adjust	Inspect/adjust	
Wheels/tyres <sup>*</sup>	Inspect/adjust	Inspect/adjust		
Wheel bearings <sup>**</sup>	Inspect	Inspect/lubricate	Inspect/lubricate	
Steering bearings <sup>**</sup>	Inspect	Inspect	Inspect/lubricate	
Suspension <sup>*</sup>	Inspect	Inspect	Inspect	
Driving chain/sprocket	Inspect/adjust/clean/lubricate every 300 miles			
Battery <sup>*</sup>		Inspect	Inspect	
Tightening parts	Inspect/tighten	Inspect/tighten	Inspect/tighten	

## MAINTENANCE

### **Engine oil level check, oil and filter change**

Engine oil level must be checked regularly and the oil changed at the specified interval.



1. **To check the oil level:** Support the bike upright on center stand. Run the engine for a few minutes then stop it and allow the oil level to stabilise for 3 minutes. Check the level of oil in the inspection window (1). If the oil level is lower than the lower level line, unscrew the filler cap (3) and top up with the specified oil until the level is in the middle of the window.

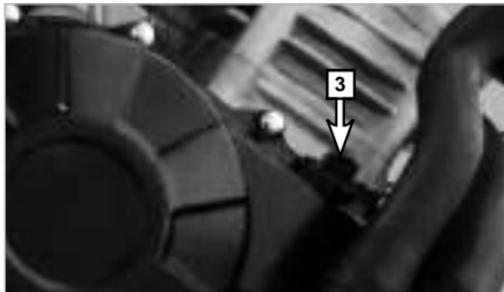
2. **To drain the engine oil and remove the filter:** Warm up the engine for a few minutes and then turn off. Place a drain tray under the engine. Unscrew the drain plug (2) and allow the oil to drain completely. Remove the sealing washer from the drain plug. Unscrew the oil filter (4) using a filter wrench and tip the contents into the tray.

### CAUTION

1. The engine should be warm and switched off when draining the oil.
2. When changing the oil also change the filter.
3. Use a new copper sealing washer on the drain plug to prevent leakage.
4. Use the correct oil (see Specifications).

## MAINTENANCE

---

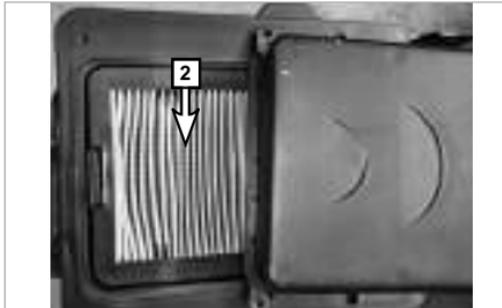
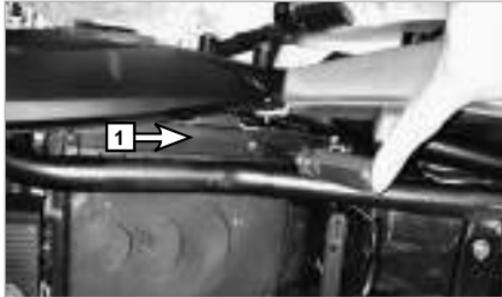


### Oil filter



3. Fit a new copper sealing washer onto the drain plug, then fit and tighten the plug.
4. Smear some new oil onto the rubber seal on the new filter, then fit and tighten the filter using a filter socket, or tighten as much as possible by hand - do not use a filter removal strap to tighten the filter.
5. Unscrew the oil filler cap (3) and add the specified type, grade and quantity (see Specifications) of motorcycle oil until the oil level reaches the upper line on the inspection window. Check the O-ring on the filler cap is in good condition and correctly seated then fit the cap.
6. Start the engine and let it run for a few minutes. Check for any oil leakage around the drain plug and filter.
7. Stop the engine and allow the level to stabilise for 3 minutes, then check the level is between the marks on the inspection window.

### Air cleaner cleaning/replacement



A dirty air filter will restrict the flow of air and lead to reduced performance and increased fuel consumption. Check, clean and replace the air filter according to the maintenance schedule.

1. Remove the seat, then undo the air filter cover screws and remove the cover. Lift the filter out.
2. Tap the filter on a hard surface to dislodge any dirt, then blow through the element using compressed air directed in the opposite direction to normal air flow.
3. Wipe the filter housing clean.
4. Fit the cleaned or new filter, the cover and seat.

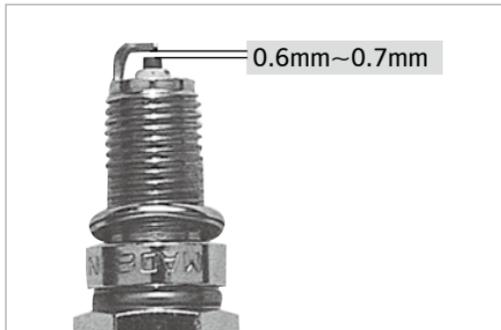


### DANGER

1. Make sure the filter is correctly seated in the housing.
2. If the bike is often ridden in wet or dusty conditions clean and replace it more often.
3. You should not clean the strainer with gasoline, solvent with a low-burning point or an acidic or alkaline naphtha gasoline.
4. Do not run the engine without the air filter in place, otherwise the piston, piston ring and cylinder may get damaged.

## MAINTENANCE

### Spark plug inspection and adjustment

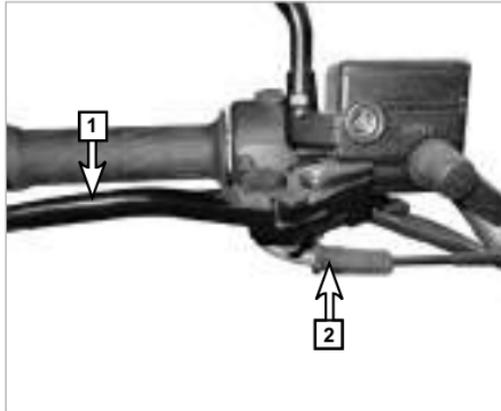


1. Pull the spark plug cap off the plug, then unscrew the plug using a spark plug socket.
2. Fit the new spark plug and tighten to the torque setting given below.
3. To clean a plug between replacement intervals use a soft wire brush to remove any deposits. Check the electrode gap using a feeler gauge blade before refitting the plug.

Spark plug type: JH9RC Electrode  
gap:0.6mm~0.7mm Torque: 17.5  
Nm (1.75 m kg)

If the spark plug contains white, grey or black deposits there is abnormal combustion and the bike must be taken to an approved Sinnis dealership for inspection.

### Throttle cable inspection and adjustment



Check for a small amount of freeplay in the throttle twistgrip before the throttle opens.

1. If the freeplay is greater or less than the specified amount adjust it as follows:
2. Ease the rubber boot off the adjuster then slacken the locknut. Turn the adjuster as required until the freeplay is correct.
3. Tighten the locknut and refit the rubber boot.

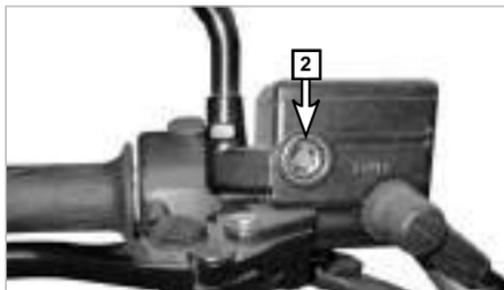
Standard value of throttle grip freeplay: 2mm~6mm

#### **WARNING**

1. Make sure the idle speed does not change when the handlebars are turned fully each way - if it does the cable may be incorrectly routed.
2. If the throttle is stiff lubricate it or have a new one fitted.

## MAINTENANCE

### Front brake inspection



1. If there is excessive free travel in the brake lever before the brakes come on take the bike to a Sinnis dealer.
2. Check the fluid level in the reservoir inspection window and do not let it drop below the LOWER line. When the fluid is low check the brake pads for wear, and have new pads fitted by a Sinnis dealer.
3. Regularly check the brake pads for wear.

**Standard lever free travel: 10mm~20mm**

**Brake fluid type: DOT3 or DOT4**

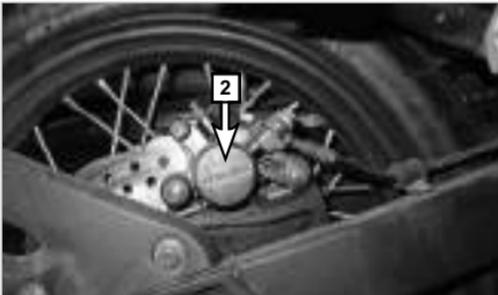
 **DANGER**

1. **If the front brake system needs maintenance take the motorcycle to an approved Sinnis dealership.**
2. **Never mix brake fluid types or use other fluids. Do not use old brake fluid.**

### Rear brake inspection



1. If there is excessive free travel in the brake pedal before the brake comes on take the bike to a Sinnis dealer.
2. Regularly check the brake pads for wear.
3. Check the fluid level in the reservoir inspection window and do not let it drop below the LOWER line - the reservoir is behind the right-hand side cover. When the fluid is low check the brake pads for wear, and have new pads fitted by a Sinnis dealer.



Standard lever free travel: 20mm~30mm  
Brake fluid type: DOT3 or DOT4

### DANGER

1. If the rear brake system needs maintenance take the motorcycle to an approved Sinnis dealership.
2. Never mix brake fluid types or use other fluids. Do not use old brake fluid.

## MAINTENANCE

### Wheel inspection



#### Tyre size and pressure

Size	Front	110/80-19
	Rear	140/70-17
Pressure	Front	250(kPa) 36 Psi
	Rear	250(kPa) 36 Psi

#### Tyre wear limits

Tyre wear limits	Front wheel	2.0mm
	Rear wheel	3.0mm

#### Wheel runout limits

Runout limit	Axial	2.0mm
	Radial	2.0mm



#### DANGER

1. Check tyre pressures regularly, preferably before every ride.
2. Too much air in the tyres will make the ride hard, reduce stability and increase tyre wear.
3. Low little air in the tyres will increase rolling resistance and fuel consumption, reduce stability and increase wear, and could cause the tyre to slip round or come off the rim.
4. If the pressure drops consistently look for a slow puncture or a leaking valve, and have the cause rectified immediately by a Sinnis dealer.
5. Regularly check the wheels and tyres for deformation and damage.

**Battery****Specification**

Battery	Item	standard value	
	The specific gravity of electrolyte	1.280±0.010g/cm <sup>3</sup> (20°C)	
	Charging voltage	Daytime	Night
		1500r/min	Above 14.0V
	8500r/min	Below 14.6V	Below 14.6V



This motorcycle is supplied fitted with a 12V12Ah maintenance-free motorcycle battery that supplies DC voltage to the electrical system. It is located behind the left-hand side cover. Keep the terminals clean. If the battery voltage is low charge it using a motorcycle battery charger.

** DANGER**

1. This battery is sealed and maintenance-free. Do not attempt to remove the top seal or to top the battery up.
2. If the battery discharges regularly have the battery and charging system tested by a Sinnis dealer. A good battery should last about 3 years.
3. The electrolyte is corrosive and poisonous. Avoid any contact with skin, eyes and clothes. If contact is made seek medical advice immediately.
4. Charge the battery in a well ventilated are and away from naked flame. Stop charging if the battery gets hot.
5. Recycle the battery at an approved facility and in accordance with local laws. Incorrect disposal can be dangerous and is hazardous to the environment.

## MAINTENANCE

### Fuse replacement

Fuses protect the circuits in the electrical system from over-load caused by a fault. The fuses are housed in a fusebox located under the seat. If an electrical component does not work check the fuses. Fuses can be removed with fingers or pliers. A blown fuse will have a break in the element.



#### CAUTION

If a fuse blows regularly have the electrical system checked by a Sinnis dealer. Always replace a blown fuse with a fuse of the same rating.

### Horn adjustment

If the horn does not work correctly have it tested by a Sinnis Dealer. Do not attempt to adjust it yourself as this will void the warranty.



#### CAUTION

A working horn is a legal requirement in the UK.

**Troubles**

Item	Trouble description	Cause
1	No battery power	1.Blown fuse 2.Loose battery lead 3.Loose earth connection 4.The main relay is faulty.
2	Difficult to start	1.No fuel. 2. No spark or weak spark. 3.Air filter blocked . 4.Fuel pipe is blocked or kinked 5.Low battery 6.Fuel injection system fault 7.The engine has failed
3	Low idle speed or high idle speed.	1.Oxygen sensor is broken. 2.The idle speed step motor is faulty. 3.Throttle position sensor is fault.
4	Can not accelerate or decelerate	1.Oxygen sensor is fault. 2.Throttle position sensor is fault. 3.The step motor is step-out. 4.Abnormal pump pressure. 5.Intake pressure/temperature is fault.
5	High fuel consumption	1.Oxygen sensor is fault. 2.Intake pressure/temperature is fault.

1.The EFI system of vehicle needs to be initialized for clearing the error message in the ECU memory when certain conditions occur.

**Follow these steps:**

First of all, turn the key to the "off" position for 15s.--Later, turn the key on and off 5 times.(on/off--on/off--on/off--on/off--on/off, 0.5s interval every times. The fuel pump must to be allowed to engage every time when the key turns to the "on" position, or repeat the initial steps.)--Then, keep the key on the "off" position for 15s.--Completed.

2.Several fault starts would cause too much fuel in the cylinder. That needs to clear away the unburned fuel.

Methods :

Start the engine--Keep the throttle to be fully opened for 5s (The nozzle could not spray fuel at this condition)--Then, press the start button for 3-5s--Completed.

## MAINTENANCE

---

### Cleaning and storage

#### 1.Cleaning

(1)Before cleaning the vehicle, block the exhaust opening. Clean dirt with water and approved cleaner. Do not use a washer at a close distance or with too much pressure, especially in greased areas(such as: wheel bearing, steering bearing , oil seal, etc). When washing the motorcycle, using high pressure on EFI parts or electrical components should be avoided.

(2)After cleaning the vehicle, dry motorcycle and parts with a clean cotton cloth, dry chain and lubricate it.

(3)Smear wax on the surface of painted parts , anti-rust oil on chromed parts. Then start engine under idle speed condition for a few minutes.

#### 2.Storage

(1)For long-term storage(above 60 days),store the vehicle after it is cleaned completely. Drain fuel in fuel tank, fuel pipe, and spray some anti-rust oil into fuel tank,then close fuel tank cap.

(2)Remove the spark plug, add 5ml SJ 5W/40 into cylinder, select a gear and turn rear wheel to distribute the oil evenly inside combustion chamber, which will make cylinder wall lubricated.

(3)Remove battery, charge it once slowly, and store it under a dry environment. Do not store battery in a hot or humid environment: lower than 0°C or higher than 30°C.

(4)Disassemble control cables and lubricate them. Inflate tyres to stated pressure when the vehicle is used again.

(5)Store the vehicle in a ventilated, dry, clean and sun-proof environment. Keep the vehicle away from combustible materials and corrosive chemicals.

(6)After storage, clean and check the vehicle completely, add fuel into fuel tank after it has been cleaned. Charge battery once, slowly. Replace engine oil if the vehicle is stored for more than 4 months.

---

## REAR WHEEL MAINTENANCE

### Chain adjustment and lubrication



1. Wheel maintenance sticker
2. Tension adjustment bolt
3. Tension adjustment lock nut
4. Rear axle bolt
5. Measurement point
6. Slider plate

You will need a 19mm socket, a long armed socket wrench, 2 x 10m spanner and a Torque wrench.

### Adjusting the Chain Tension

1. With the bike, switched off, on flat ground, and on its center stand you are ready to begin.
2. Refer to the sticker on the swing arm which shows the correct amount of chain slack/free-play (25mm).
3. Loosen the main rear axle nut on the right-hand side of the bike. ANTI-CLOCKWISE
4. Loosen the tension adjustment lock nut(3.) for the tension adjustment bolt on both sides of the bike. ANTI-CLOCKWISE
5. Now, using the tension adjustment bolt(2.), adjust the chain's slack to 25 mm as shown on the sticker located on the swing-arm. Usual riding conditions will result in chain wear and so you will likely be reducing free-play in the chain down to 25 mm. This will require winding the adjustment bolt(2.) (clockwise) a quarter turn at a time on each side before rechecking the chain's free-play. **Note:** This measurement should be made using the pin in a desired chain link as a guide, whilst pushing the chain to its highest and lowest points. This should be carried out in the middle of the chain's length, between the front sprocket and rear sprocket. Always adjust both nuts an equal amount.
6. Repeat point 5 on both sides in small increments until the desired chain slack is achieved.
7. Next, ensure the rear wheel is correctly aligned by measuring the distance from the slider plate to the end of the swing-arm, repeat for both sides. Note you may need to adjust the chain tension bolts to achieve this, whilst also double checking you still have the correct chain tension.
8. Once you have achieved the correct tension and alignment you can tighten up the main rear axle nut to the correct torque of 62nm
9. Lastly nip up the tension adjustment lock nut(3.) - be careful not to over-tighten.

## SPECIFICATION

ITEM	SPECIFICATION
Dimension(L×W×H)	2083×845×1380/2156×900×1380(Trunk and side boxes included)
Wheelbase	1420mm
Min.ground clearance	180mm
Min. turning diameter	5350mm
Net weight	200kg
Max.load	150kg
Engine model	ZS266MQ-S
Engine type	Parallel twin cylinder, four-stroke, liquid cooled
Bore×stroke	66mm×55.2mm
Capacity	378ml
Compression ratio	10 :1
ECU	MT05
Lubrication	Pressure and splash
Starter	Electric starting
Max.power/corresponding rev	27/9000 kw/rpm
Max.torque/correspondig rev	35/6500 N.m/rpm
Min.no load speed	1400±140 (r/min)
Economical fuel consumption	3.4L/100km
Max.speed	87mph
Fuel tank capacity and fuel type	18L 95+RON
Lubricating oil No.and lubrication type	SJ 10W/40. 3.0L
Shock absorber	Hydra Coil
Tyre size/Pressure	Front110/80-19M/C/250kPa/Rear140/70-17/250kPa



# **SINNIS**

**MOTORCYCLES**

All rights reserved  
Book size 140mm×102mm  
2020 version

<https://www.motomanuals.net/>