



Read this manual carefully before operating this vehicle.

Baca manual ini dengan teliti sebelum mengendalikan kenderaan.

Owner's Manual

Manual Pemilik

nova
200

WELCOME

Congratulations and thank you for selecting **Aveta** product!

This manual should be considered a permanent part of the vehicle and should remain with the vehicle when it is resold.

This publication includes the latest production information on the primary data, basic structure, and main procedures for operating, maintaining, and troubleshooting the motorcycle.

Please note that ongoing product enhancements may result in variations between the vehicle and this manual.
Aveta Global Marketing Sdn Bhd reserves the right to make changes at any time without incurring any obligation.

Scan here for digital owner's manual



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OVERVIEW AND OPERATION



Engine

The engine has great performance in terms of power and torque, low engine sound, fuel savings, and ease of maintenance.



VIN Number

The location is under the seat.



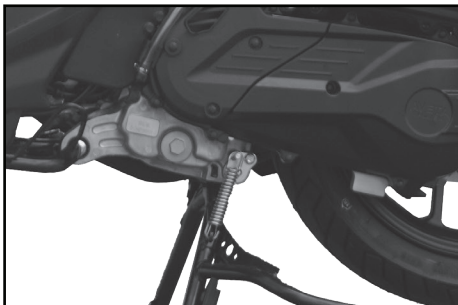
Luxurious Headlight

The large 35W high-power lamp, with a light intensity of up to 18,000 cd, provides brighter illumination and projects light over a larger area.



Multifunction meter

It features a car-style meter panel, which makes reading easier.



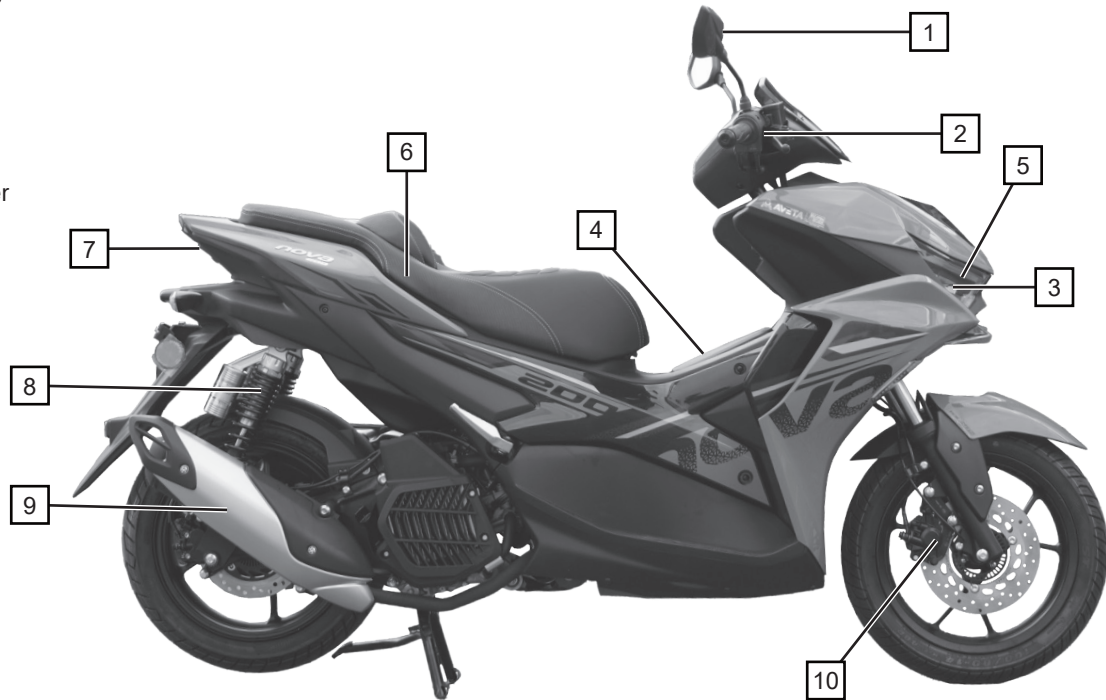
Engine number

The location is under left side of engine.

OVERVIEW AND OPERATION

Main Components

1. Rear Mirror
2. Right-hand handle switch
3. Front right signal light
4. Fuel tank
5. Head light
6. Seat
7. Taillight
8. Rear shock absorber
9. Exhaust muffler
10. Front brake system



OVERVIEW AND OPERATION

NOVA200 Main Specifications

Engine Type & Power Transmission	
Type	4-stroke, single-cylinder, 4-valve, liquid-cooled, EFI
Bore x Stroke	63mm x 58.8mm
Maximum Power	13.5kW @ 8000rpm
Maximum Torque	17.6Nm @ 5500rpm
Engine Displacement	183.3cc
Ignition System	ECU
Type of Starter	Electric Starter
Spark Plug	LMAR8A-9
Final drive	Belting

OVERVIEW AND OPERATION

NOVA200 Main Specifications

	Chassis
Length x Width x Height	2003mm x 710mm x 1138mm
Wheelbase	1370mm
Front rim size	MT2.50X14
Rear rim size	MT3.5X14
Front Tire Size	100/80-14
Rear Tire Size	120/70-14
Front Brake	Disc with ABS + TCS
Rear Brake	Disc with ABS + TCS

OVERVIEW AND OPERATION

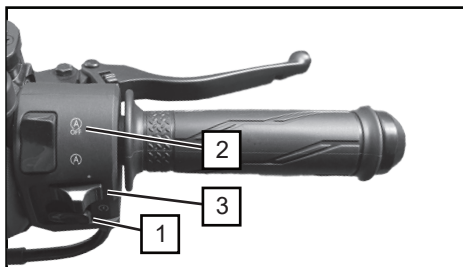
NOVA200 Main Specifications

Lubricants and Operating Fluids	
Fuel Tank Capacity	10 Liters
Lubricant method	Wet sump
Lubricant	10W/40 engine oil
Lubricant Volume	0.9L
Gear Oil	80W-90
Gear Oil Volume	120ml

Electrical Equipment	
Battery	12 V / 7 Ah
Fuse	15 A
Headlight	12 V / 35W / 35W
Signal Light	12 V / 10 W
Tail / Brake Light	12 V / 5W / 21W
Electric Hon	12 V - 3A - 112dB
Speedometer Light	12 V 3W
Side Light	LED 12V 2W/0.5W

OVERVIEW AND OPERATION

Right Handlebar Switches



1. Start button

- Press the () button to ignite the engine.

2. Idle Start Stop

- Ensure to push down the () before press the start button.

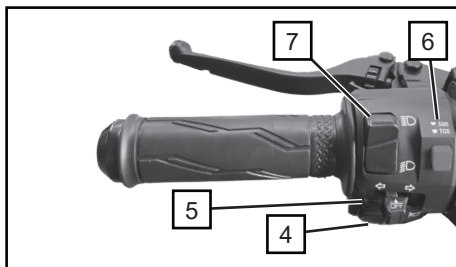
3. Hazard light switch

- Push switch to left side to activate when it's required.
- Return to normal position to OFF the function.

4. Horn Switch

- Press the () button to blow horn.

Left Handlebar Switches



5. Signal light

- Turning light button (). Switch to () when turn left. Switch to () when turn right.
- After switching to () or (), the button will switch back to the middle position, and the turning signal keeps switching on. One of front and rear turning lights (left or right) and the signal light (turn) are flashing. Press the button to switch off.

6. TCS on/off button

- To activate TCS function, press the button down ().
- To switch off TCS function, press the button and depress fully ().



NOTE

TCS activation or deactivation must be done during idle (not moving).

7. High beam and dipped headlight button

- When placing the right general switch on (), headlight, rear light, sidelights, and dash light will turn on.
- Turn the button to () and the dipped headlight switch on, turn the button to () and the light beams switch on, and the indicator on the panel switch on correspondingly.
- Place the right general switch on (), all lights forementioned switch off.

OVERVIEW AND OPERATION

Ignition Switch



Ignition switch	Function	Taken out the key
On	Engine and light are ready	Not allowed
Off	Stop to use engine or light	Allowed
Lock	Steering system locked	Allowed

Meter and Indication Lights



Name	Function
Speedometer	Demonstrate the running speed
Odometer	Demonstrate all the mileage
Left turning signal indicator	While changing direction to the left, this indicator will flashes
High beam	When turn on the high beam of the head light, it flash far distance.
Right turning signal indicator	While changing direction to the right, this indicator will flashes.
Fuel indicator	Demonstrate the approximate fuel remain in the tank.
Check engine indicator	Indicate when any failure occurred with the engine system

OVERVIEW AND OPERATION

Seat Lock



- Turn the ignition switch to "OPEN", and then push "SEAT" button.



NOTE

- Make sure the seat is locked before riding your motorcycle.
- Make sure you have removed the ignition key from the trunk.

Handle Lock



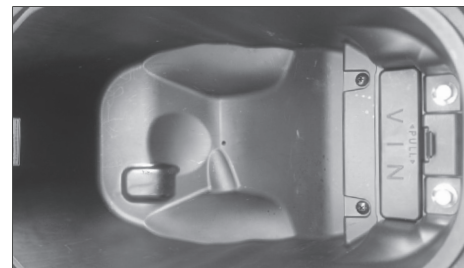
- First turn the steering handlebar to the left, then turn the ignition key to "LOCK" position to lock the turning system.



WARNING

Never turn the ignition key to the "LOCK" position when running.

Under Seat Compartment



- Maximum load : 1.5kg



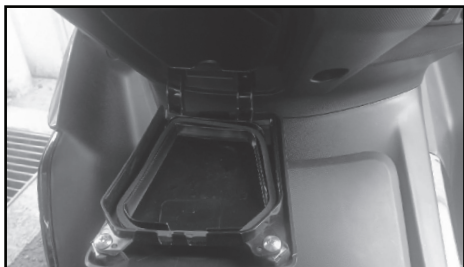
WARNING

Do not exceed the max. loading.

Do not store food or other items that are sensitive to high temperatures in it.

OVERVIEW AND OPERATION

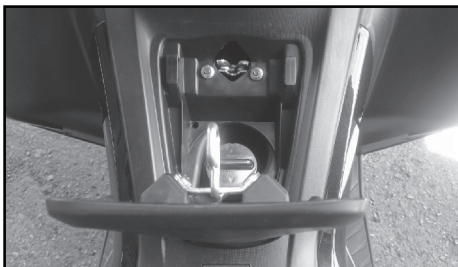
Front Compartment



NOTE

- Make sure it is locked properly

Fuel



- Turn the ignition switch to "OPEN", and then push "FUEL" button.



WARNING

Never turn the ignition key to the "LOCK" position when running.

INSPECTION, REPAIR AND MAINTENANCE

Daily Checking

Inspection Item	Inspection Action
1. Engine lubricant oil	Ensure oil level between low and high limit.
2. Fuel	Ensure there is sufficient fuel, and avoid mixing gasoline with oil.
3. Front and rear brake	• Check the condition of the front brake. The gap at the handlebar should be 10–20 mm. • Check the condition of the rear brake. The gap at the pedal should be 10–20 mm.
4. Tires	• Verify that the air pressure of the front tire is within the standard range (180 kPa). • Verify that the air pressure of the rear tire is within the standard range (200 kPa).
5. Steering handle bar	Ensure the handle is not unusually loose or excessively heavy.
6. Battery	Confirm that the battery liquid is within the stipulated scale line.
7. Meter, light and side mirror	Ensure that all components are functioning properly and the lights are operating normally.
8. Screws & nuts of the main components	Check that all bolts and nuts are secure and not loose.
9. Unusual issues	Inspect the motorcycle to confirm that any previously identified unusual issues have been resolved.

INSPECTION, REPAIR AND MAINTENANCE

Periodic maintenance checks

Riding 1000-1500 km per month is the reference in this table. The criterion is based on whichever distance is reached first.



NOTE

In areas with sandy roads or polluted environments, the air filter should be cleaned more frequently to prolong the engine's lifespan.

Items	1st service 1000km	Regular Maintenance		
		4000km	7000km	10000km
1. Engine Oil	R : 1000km & Replace oil once every 3000km			
2. Brake driver and rigging	I		I	
3. Front and rear braking system	I	I		
4. Light/ Electric equipments / Meters	I			
5. Steering stem bearing and handle bar	I	I		
6. Opening switch of tank and oil pipe	I		I	I
7. Throttle cable	I			
8. Throttle body	I	I	I	
9. Air cleaner element	I	C		R
10. Spark plug	I	I		

I- Inspect clean or adjust R- Replace C- Clean L- Lubricate

INSPECTION, REPAIR AND MAINTENANCE

Periodic maintenance checks

Items	1st service 1000km	Regular Maintenance		
		4000km	7000km	10000km
12. Belting	I	I		
12. Battery	I			
13. Gap of the gas valve	I		I	
14. Engine oil strainer	C		C	
15. Oil strainer				C
16. Oil in front damper			I	
17. Front and rear hoist systems	I		I	
18. Parking stand, side stand and spring				
19. Tires				
20. All screws/nuts and wire joints	I			

I- Inspect clean or adjust R- Replace C- Clean L- Lubricate

Inspect Before Riding

Before riding, your motorcycle should be checked once. Generally, the following items should be checked :

Engine oil :

- Top up the oil as needed and check for any leakage.

Fuel tank oil level :

- Top up the oil as needed and check for any leakage.

Brake :

- Check the condition of the front and rear brakes. Adjust if the gap is too large.

Tire :

- Check the air pressure, wear, and condition of the tires.

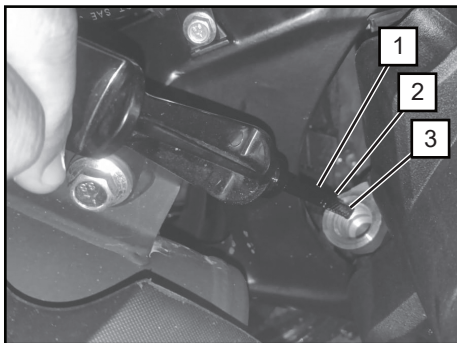
Throttle :

- Check the operation of the throttle, the condition of the accelerator cable, and its free movement. Adjust or replace as needed.

Lights and horns:

- Check that all lights and the horn are functioning properly.

Engine Oil



Check oil level

Please check the engine oil before starting the motorcycle. The oil level should be between the maximum limit (②) and the minimum limit (③) on the oil fill cap/dipstick (①).

1. Check the engine oil after the engine has cooled down.
2. Stand the motorcycle vertically on flat ground using the kickstand.
3. Remove the dipstick and wipe it clean. Then, insert it back without screwing it in. The oil level should be between the maximum and minimum marks on the oil fill cap/dipstick.

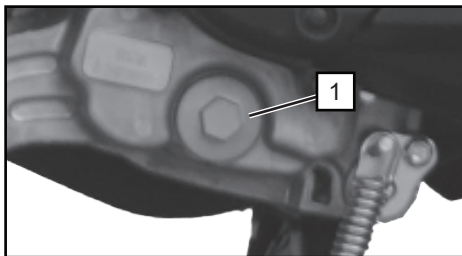
4. If necessary, add the specified engine oil until it reaches the maximum limit, but do not overfill.
5. Screw the oil filler cap/dipstick back onto the oil tank and check for any leakage.



WARNING

Running the engine with insufficient lubricant can cause serious damage to the engine.

Engine Oil



Engine oil replacement

First, replace the engine oil after the break-in period of 1000 km. Then, it is recommended to replace the oil every 2000 to 3000 km, as per the maintenance table.

Engine oil replacement steps:

1. Remove the oil fill cap/dipstick and the drain bolt cap ①.
2. Clean the mesh filter.
3. Check that the mesh filter and the O-ring in the drain bolt cap are in good condition.
4. Reinstall the mesh filter, O-ring, and the drain bolt cap ①.

Torque for the drain bolt cap :
20 N·m.

5. Add the specified engine oil to the oil tank. The tank capacity is approximately 0.9 L.
6. Reinstall the oil fill cap/dipstick.
7. Start the engine and let it run for several minutes.
8. Turn off the engine and stand the motorcycle vertically on flat ground using the kickstand.

Check the engine oil level. It should be at the maximum limit. Also, check for any leakage.



NOTE

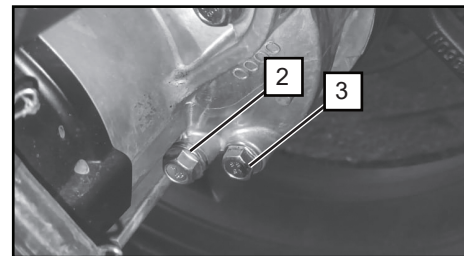
Replace engine oil after engine cool down.



NOTE

Dispose the waste oil properly, be sure to make no pollution.

Gear Oil



Gear oil replacement

Please replace the gear oil every six months.

Engine oil replacement steps :

1. To drain the oil, remove the oil inspection bolt (2) and the oil drain bolt (3).
2. After draining, check the O-ring and ensure it's in good condition. Reinstall the oil drain bolt.
Torque for the oil drain bolt: 25 N·m (2.5 kgf·m).
3. Stand the motorcycle vertically on flat ground. Add the specified oil until it reaches the bottom of the inspection bolt hole.
Torque for the oil inspection bolt: 13 N·m (1.3 kgf·m).

Spark Plug

The spark plug recommended :
NGK LMAR8A-9

Spark plug inspections and replacement steps :

1. Remove the seat and the trunk.
 - ① Open the seat
 - ② Remove three bolts
 - ③ Remove the nut and the gasket
 - ④ Pull up the seat and the trunk
2. Take down the central cover.
3. Clean up the bottom of the spark plug.
4. Use a spanner to take down the cap of the spark plug, and take out the spark plug.
5. Check the abrasion of the electrode.
The central electrode shall have a right angle and the side electrode shall not have any abrasion. Replace it with a new one if the spark plug has obvious abrasion or the insulator is worn out or weakened.
6. Use a vernier to measure the gap of the spark plug. Adjust the side electrode to set the gap to 0.6–0.7 mm.
7. Put the gasket onto the spark plug. Install the spark plug by hand to ensure proper fastening.
8. Screw the spark plug for half a circle using a spanner to pin and fasten, then screw for an additional one-eighth to one-fourth circle.
9. Fit on the cap.



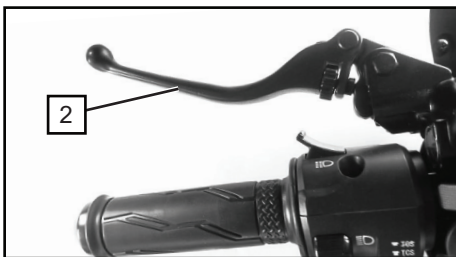
WARNING

Spark plug must be screwed down properly.

Spark plug will turn very hot if it has been screwed down inappropriately, and it may damage the engine.

Do not use a spark plug with unmatched heat value.

Brakes



NOTE

Please replace your brake pad when necessary to avoid major damage on your disc brake.

The front brake

1. Free play of the front brake lever ① between free position to the close position is 10–20 mm.
2. Replace the brake pad when it's required.
3. Brake several times; after loosening the braking hold, the wheel should rotate freely

The rear brake

1. The free play of the rear brake lever ② is 10–20 mm.
2. Replace the brake pad when it's required.
3. Brake several times; after loosening the braking hold, the wheel should rotate freely

Air Cleaner

Normally, the air cleaner should be cleaned once every 400 km, and more often when driving in dusty areas. The steps are as follows :

1. Take down the mid-back cover
 - ① Take off rivet pins
 - ② Pull out the holder of the mid-back cover
2. Remove the holder of the left-back bodywork cover
 - ① Unscrew the bolts
 - ② Remove rivet pins
 - ③ Loosen the clasp by pulling down the left cover
 - ④ Loosen the clip and remove the cover
3. Remove the air cleaner lip
 - ① Unscrew eight bolts
 - ② Remove the clasp
 - ③ Remove the cleaner
4. Remove the components of the oil cleaner
 - ① Unscrew two bolts
 - ② Pull out the components
5. Clean the filter element
 - ① Remove the fastener of the filter element
 - ② Take out the filter element
 - ③ Clean and dry it thoroughly using a non flammable or high flash-point solvent.
6. Install the filter element into its components.
7. Install the air cleaner assembly.
8. Reinstall all accessories in reverse order.



CAUTION

Only clean the filter chip. The components cannot be cleaned.
Don't use gasoline or volatile solvent to clean air cleaner, or it may cause an explosion.

Battery

It's not necessary to check the amount of electrolyte or add distilled water to the battery as the battery need not be maintained (sealed).

WARNING

Don't let the battery near or touch fire sparks, fire or burning cigarette as it may give off explosive gas.

If you doing the charging process, make sure the environment is in a well-ventilated condition.

CAUTION

The battery contains sulfuric acid (electrolyte), which can cause severe burns.

Wear protective clothing and a mask. If it contacts skin or eyes, rinse immediately for at least 15 minutes and seek medical attention if symptoms worsen.

Keep the battery away from children as the electrolyte is poisonous.

Dismount of the battery

The battery is located in the middle of the motorcycle, where the driver's feet are, the procedure of the dismount is :

1. Remove the two bolts and open the battery cover.
2. Remove the battery holding ring.
3. Disconnect the negative terminal first, followed by the positive terminal.
4. Remove the battery from the battery compartment.

WARNING

When removing the battery cover, electrolyte leakage may occur if the cover is damaged, which could also damage the battery.

If the motorcycle will not be used for an extended period, make sure to remove the battery, fully charge it, and store it in a cool, dry place.

When reconnecting the battery cables to the battery terminals, ensure the correct polarity is observed, as improper connections could damage both the charging system and the battery.

Tire Maintenance

Regularly check the tire pressure and tread. To ensure maximum safety and extend the lifespan, tire pressure should be monitored consistently.

Tire Pressure

Insufficient tire pressure not only accelerates tire wear but also severely affects the motorcycle's stability.

Low pressure makes turning difficult, while excessively high pressure reduces the contact area between the tire and the road, increasing the risk of slippage or loss of control.

Always maintain the tire pressure within the recommended range. When adjusting tire pressure, ensure the tires are cool.

Tire Tread

Severe wear on the motorcycle's tires can affect driving stability and may lead to loss of control.

If the tread on the front tire is reduced to less than 1.6 mm, it is recommended to replace the front tire. If the tread on the rear tire is reduced to less than 2 mm, the rear tire should be replaced.

Tire Maintenance

The fuse is located in the battery compartment and is rated at 15A. To replace it, follow these steps :

1. Remove the two bolts and open the battery cover.
2. Remove the two bolts and open the battery cover.
2. Reconnect the starter relay and close the battery lid.

A frequently blown fuse may signal an overloaded or short-circuited system. Contact an authorized service center for repairs.



NOTE

Before inspecting or replacing the fuse, turn the ignition switch to the (LOCK) position to prevent accidental short circuits.



NOTE

Use only a 15A fuse. Using the wrong one may damage the electrical system, causing ignition failure, power loss, or lights to malfunction.

1. After starting the engine in cold or warm conditions, allow it to run at a low speed without load for a sufficient time. This will ensure the lubricant flows to all the important engine components.
2. Make sure the throttle is in the "off" position and the rear brake is engaged to prevent the wheel from spinning before moving off the main stand.

WARNING

When removing the motorcycle from the main stand, the rear wheel must be engaged, or the motorcycle may become uncontrollable.

3. Stand on the left side of the motorcycle, push it forward to lift off the main stand.
4. Approach from the left side and keep at least one foot on the ground to stabilize the motorcycle.
5. After gripping the rear brake, slowly release it to free the rear wheel.
6. Signal your intended direction with the turn signal and check the safety of your surroundings.

WARNING

Riding with one hand is strictly prohibited, as it may cause the motorcycle to become uncontrollable.

7. When acceleration is needed, gradually open the throttle and ensure that your surroundings are safe.

WARNING

Riding with one hand is strictly prohibited, as it may cause the motorcycle to become uncontrollable.

8. When decelerating, close the throttle to reduce speed.
9. When slowing down, use a balanced action between the throttle and both front and rear brakes.

WARNING

Riding with one hand is strictly prohibited, as it may cause the motorcycle to become uncontrollable.

10. When approaching a corner or turn, close the throttle completely and gradually reduce speed using both brakes.

11. After turning, gradually open the throttle to accelerate after completing the turn.
12. When descending a slope, close the throttle completely and use both brakes to control your speed.
13. Exercise extra caution when riding on wet or soft surfaces.

NOTE

Avoid continuous braking, as it can cause excessive heat buildup and reduce braking effectiveness.



NOTE

When riding in humid climates, on rainy days, or on soft roads, the braking effectiveness may be reduced.

To ensure your safety, follow these precautions :

- Be extra cautious when braking, accelerating, or turning.
- Riding at a low speed and maintain a sufficient distance for braking.
- Keep the motorcycle as vertical as possible.
- Exercise caution when riding over slippery surfaces such as metal, iron plates, manhole covers, or painted road markings.

Running-in Period

The running-in period for a new motorcycle is crucial for prolonging its lifespan and achieving optimal performance.

The recommended running-in period for this motorcycle is 1000 km. During this period, the engine should not be subjected to excessive load.

Generally, no additional passengers or cargo should be carried, especially during the first half of the running-in period. Long climbs and extended use on rough roads should be avoided.

Additionally, regularly check for any looseness or unusual noise in the motorcycle's components. If any malfunctions are detected, they should be addressed promptly.

0 - 500 km

Avoid keeping the throttle valve at half-open for extended periods. After running for one hour, allow the motorcycle to rest for 10 minutes.

During this period, the motorcycle should be operated at varying speeds, but the throttle valve should not be fully opened.

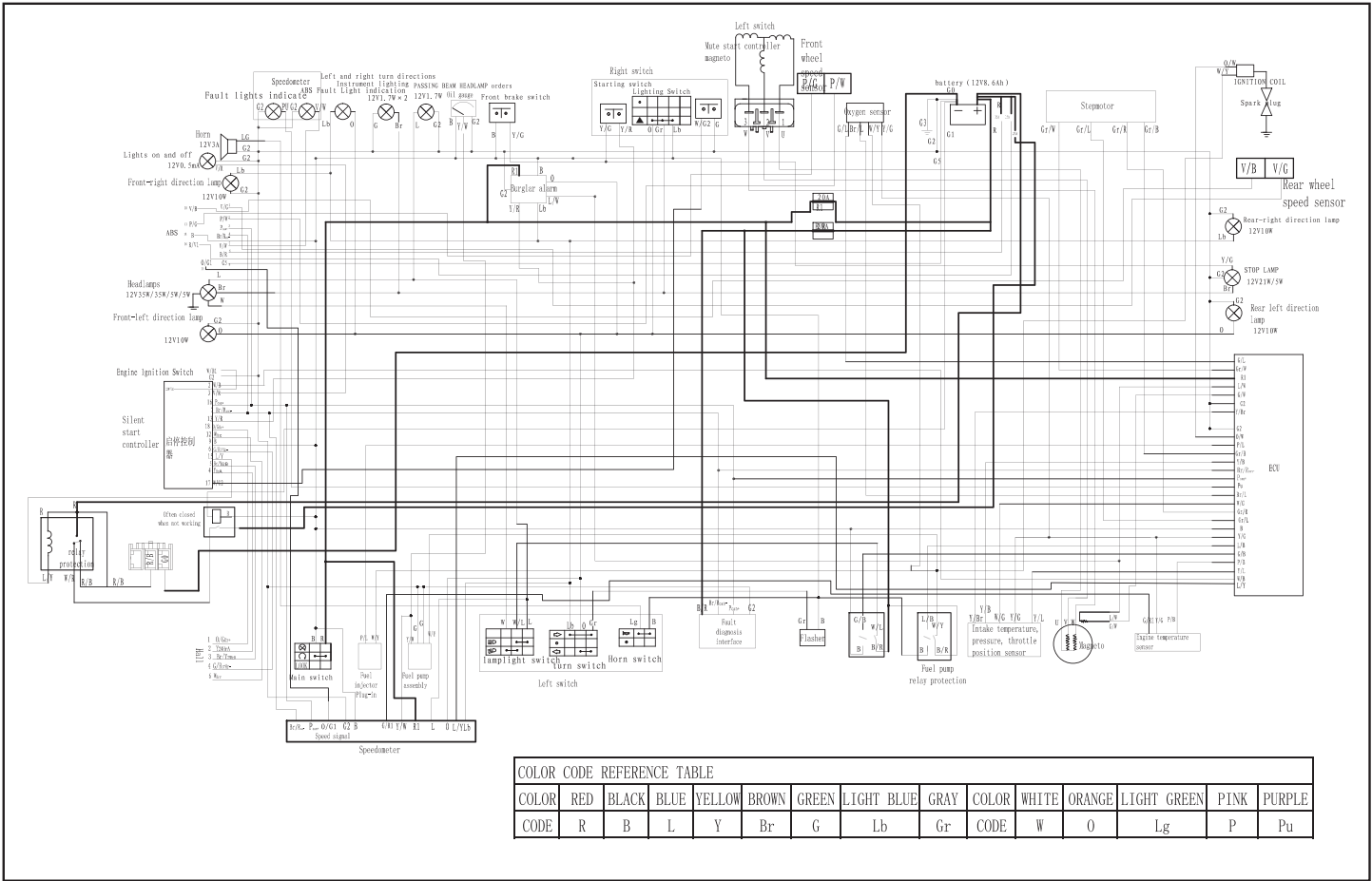
500 - 1000 km

Avoid keeping the throttle valve at half-open, and ensure that the speed is varied constantly.

Over 1000 km

The running-in period is complete, and the engine and components are fully "broken in." Make necessary adjustments, tighten fixtures, and change the engine oil. The motorcycle can now be ridden at full throttle, but continue to monitor engine performance and listen for any unusual noises.

ELECTRICAL CHART



COLOR CODE REFERENCE TABLE

COLOR	RED	BLACK	BLUE	YELLOW	BROWN	GREEN	LIGHT BLUE	GRAY	COLOR	WHITE	ORANGE	LIGHT GREEN	PINK	PURPLE
CODE	R	B	L	Y	Br	G	Lb	Gr	CODE	W	O	Lg	P	Pu

WARRANTY CLAIM POLICY

Warranty Claim Coverage and Guideline

No.	Engine component / Related with engine	Warranty Cover	Guideline
1.	Engine component / Related with engine	2 Years @ 20,000KM	Based on registration date
2.	Chassis component / Related with chassis	3 Months	Based on registration date
3.	Electrical Components	1 Year@ 10,000KM	Based on registration date
4.	Wear & Tear	Case by case basis	Case by case approval
5.	Battery	6 months	Based on registration date

Warranty Claim Process Flow

1. To receive immediate assistance, customers are encouraged to visit any AVETA authorized dealer or contact our service hotline at **+6012-503 5409(Customers/End Users)**. Our support team is available and ready to assist with any inquiries or concerns.
2. In order to be eligible for warranty claim services, customers must present a valid proof of purchase along with the defective part or the affected motorcycle to the nearest authorized AVETA dealer.
3. Please note that this warranty does not cover any inconvenience, loss of use of the motorcycle, or costs associated with transporting the motorcycle to or from an AVETA dealer.

WARRANTY CLAIM POLICY

Warranty Limitations and Exclusions

1. AVETA warranty does not cover consumable parts that are subject to normal wear and tear. These include items such as sprockets, air filters, light bulbs, engine oil, coolant, belting, clutch plates, bearings, brake shoes, brake pads, spark plugs, brake discs, gaskets, fuses, and oil filters.
2. The warranty is also void if any parts of the motorcycle have been subjected to misuse, involved in an accident, treated negligently, or used with parts and equipment not manufactured or approved by AVETA. Such use may adversely affect the performance and reliability of the motorcycle.
3. Any parts that have been altered, modified, or replaced in an unauthorized manner will not be covered under the warranty if, in AVETA's sole judgment, such changes impact the motorcycle's performance or reliability.
4. AVETA's warranty does not extend to any indirect or consequential losses. This includes loss of profits, transportation expenses, downtime, or any external repair charges resulting from the breakdown of the motorcycle.
5. Damage or rust caused by environmental exposure—such as to acids, detergents, animal urine, seawater, cement water—as well as damage due to natural disasters including floods, earthquakes, and fires, or any external factors beyond AVETA's control, are also excluded from warranty coverage.

Judgment of Warranty Claims

AVETA Malaysia reserves the sole and final right to determine the validity of all warranty claims.



Aveta Global Marketing Sdn Bhd

Website : www.aveta.com.my