



Read this manual carefully before operating this vehicle.

Baca manual ini dengan teliti sebelum mengendalikan kendaraan.

Owner's Manual

Manual Pemilik

nova
125

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.

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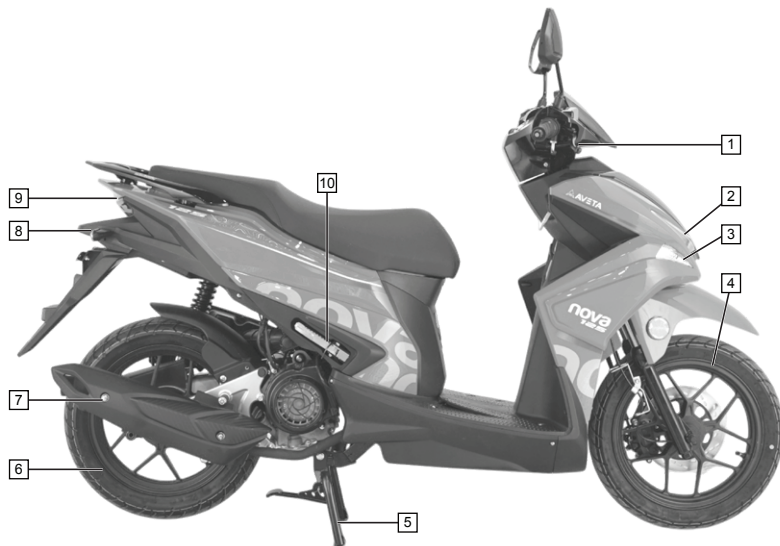
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OVERVIEW AND OPERATION

Main components

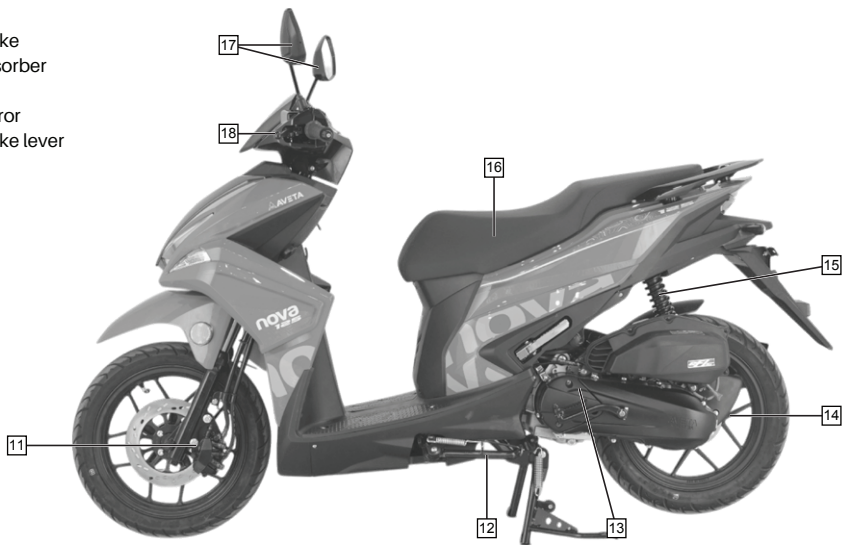
1. Front brake lever
2. Headlight
3. Front signal light
4. Front wheel
5. Main stand
6. Rear wheel
7. Muffler / Exhaust
8. Rear tail light
9. Taillight
10. Rear footrest



OVERVIEW AND OPERATION

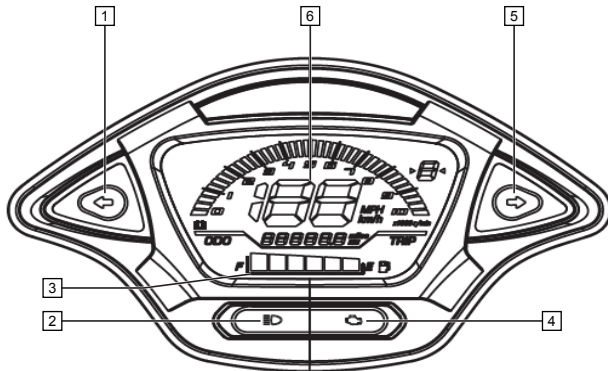
Main components

- 11. Front brake
- 12. Side stand
- 13. Engine
- 14. Rear brake
- 15. Rear absorber
- 16. Seat
- 17. Side mirror
- 18. Rear brake lever



OVERVIEW AND OPERATION

Instrumentation and indicator lights



1. Left-turn signal light

- The signal light flashes when pushing the turn signal switch to the left.

2. High-beam light

- Light will turn on when applied high-beam light ().

3. Fuel indicator

- Indicate level of fuel in tank storage. As the fuel decreasing, the fuel label will move to E (empty)".

4. Check engine

- Will indicate if any failure with engine system.

5. Right-turn signal light

- The signal light flashes when pushing the turn signal switch to the right.

6. Speedometer

- Indicate speed in km/h and the engine rpm.

OVERVIEW AND OPERATION

NOVA125 Main Specifications

Engine Type & Power Transmission	
Type	Single cylinder, 2 valves, 4 stroke, Air-cooled
Displacement	125cc
Bore x Stroke	ø52.4 mm X 57.8 mm
Compression Ratio	9.5:1
Maximum power	6.7kW @ 8000rpm
Maximum torque	8.6Nm @ 6500rpm
Lubrication Method	Wet sump
Engine Oil Capacity	0.8 litres
Recommended Oil	10W-40 (Scooter oil)
Fuel Supply	EFI
Clutch System	CVT
Transmission	Automatic
Final Drive	Belting
Ignition System	ECU
Spark Plug	CR7HSA
Starting	Electric, Kick Starter

Electrical	
Battery	12V 5.3Ah

OVERVIEW AND OPERATION

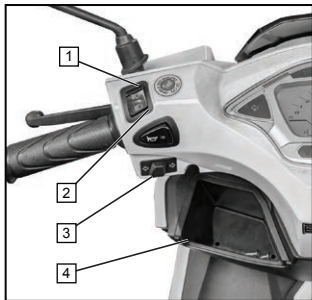
NOVA125 Main Specifications

Chassis	
Frame	Back bone
Front Suspension	Telescopic forks
Rear Suspension	Telescopic coil spring
Front Brake	Disc brake
Rear Brake	Drum brake
Front Rim Dimension	MT1.85 X 14
Rear Rim Dimension	MT2.15 X 14
Front Tire	80/90-14
Rear Tire	90/90-14

Dimension	
Overall Length	1930 mm
Overall Width	688 mm
Overall Height	1105 mm
Wheelbase	1320mm
Ground Clearance	105 mm
Dry Weight	104 kg
Fuel Tank	6.0 L

OVERVIEW AND OPERATION

Handle switches



1. High-beam light switch

- When the switch () is on position, high beam is on. When the switch () is on position, low beam is on.

2. Horn switch

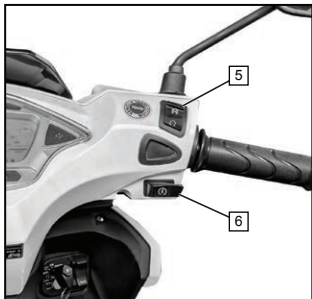
- Press the switch (), to activate the horn.

3. Signal indicator switch

- After switching to () or (), the button will return to the middle position, and the turn signal will remain on.

The front or rear turn lights (left or right) signal light will flash. Press the button to turn it off.

4. Front Compartment



5. Start-Stop switch

- Push down to activate the function, engine will auto stop and running back once turn the throttle.

6. Electric switch ignition

- Pull up the side stand before push to start the engine.

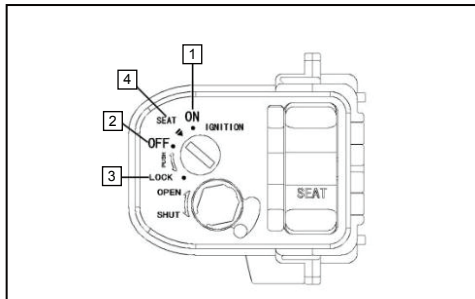


NOTE

- The vehicle has automatic start-stop function and side stand stalling function. Before driving, we must understand the automatic start and stop function in detail: the engine temperature reaches 65°C, the speed reaches 15km / h, then the start-stop function opens and the indicator light on on instrument. When the speed drops to 0 km/h, the vehicle automatically stalls in 3 seconds. Pull the throttle gently to start automatically. This function can be turned off on the right hand switch.

OVERVIEW AND OPERATION

Ignition switches



1. 'ON' position

- Turn the switch to start the engine; the key cannot be pulled out in this position.

2. 'OFF' position

- Turn the switch to this position to shut down the engine; the key can be pulled out in this position.

3. Steering lock

- Turn the handlebar to the left, turn to the end, then press the key to '**LOCK**' position. Then, the handle will be locked.
- To unlock, refer to the opposite procedure to the above.

4. 'SEAT' position

- Insert the ignition key and turn it counterclockwise to the '**SEAT**' position. Then, press the right side of the switch marked '**SEAT**' and gently lift the seat cushion to open the seat lock.

INSPECTION, REPAIR, MAINTENANCE

Periodic maintenance checks

Following form is the maintenance schedule at every regular intervals inspection, and the regular intervals time will depend on use time and kilometers. Every inspection should start with what the specification describes.



NOTE

If your vehicle were traveled in hideous conditions or continued high speed or driving in sandstorm, you should have a special inspection.

Items	Running-in Period (300-1000km)	Odometer Reading(km)			
		1000km	4000km	8000km	10000km
1. Engine oil	R: 300km, 1000km	Replace oil once every 3000km			
2. Fuel pipe		I	I	I	I
3. Throttle operation		I	I	I	I
4. Air filter		C - Every 1000km, R - When necessary			
5. Spark plug		C - Every 2000km, R - When necessary			
6. Oil filter		C - When changing the oil			
7. Transmission belt		C - Every 1000km, R - When necessary			
8. Gearbox oil	R: 300km			I	
9. Valve clearance		I	I	I	I
10. Braking system		I	I	I	I

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

INSPECTION, REPAIR, MAINTENANCE

Periodic maintenance checks

Items	Running-in Period (300-1000km)	Odometer Reading(km)			
		1000km	4000km	8000km	10000km
11. Brake switch			I	I	I
12. Headlight			I	I	I
13. Suspension system			I	I	I
14. Nuts and bolts tightening		I		I	
15. Wheels, Tires			I	I	I
16. Steering bearing		I			I

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

INSPECTION, REPAIR, MAINTENANCE

Troubleshooting

Fault	Faulty cause		Troubleshooting
Engine cannot start	Spark plug not producing sparks	Spark plug damage	Replace
		Damaged ignition coil	Replace
		Damaged ignition switch	Replace
		Ignition system detachment or looseness	Reconnect or tighten
	Spark plug with weak sparks	Spark plug gap too small or too large	Do adjustment
		Spark plug electrode eroded	Replace
		Severe carbon accumulation in spark plugs	Clean up
		Refer to Spark Plug No Spark	
	No mixture in the cylinder	Fuel tank running out fuel	Refueling
		Oil pump plugin loose	Inspect
		Oil pump not working	Replace
		Blocked oil circuit	Unblock
		Air filter blockage	Clean the air filter
		Air leakage in the intake system	Check and eliminate

INSPECTION, REPAIR, MAINTENANCE

Troubleshooting

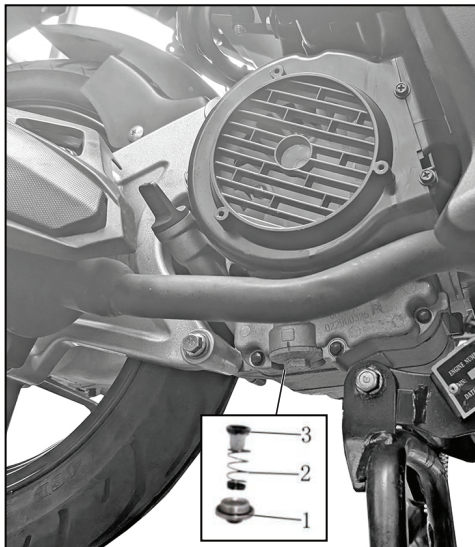
Fault	Faulty cause		Troubleshooting
Engine cannot start	Low cylinder compression force	Spark plug seat leakage	Tighten the spark plug
		Air leakage at the joint surface of the cylinder head	Replace gasket
		Worn valve seat ring	Grind
		Severe wear of piston rings or cylinder	Replace the piston ring or cylinder
		The piston ring is broken or blocked by carbon deposition	Replace piston rings or clean carbon deposits
Power weakness and poor acceleration	Low fuel octane number		Clean up
	Blocked oil circuit, poor fuel supply		Clean the oil circuit
	Ignition time too early or too late		Check the triggering coil
	Spark too weak or disconnected		Check the ignition system and troubleshoot it
	The mixture is too rich or too lean		Clean the throttle valve body
	Engine leakage		Check and eliminate
	Muffler blockage		Unblock
	Belt worn out		Replace
	Automatic clutch roller worn out		Replace
	Refer to 'Engine cannot start' table		
	Damaged starting relay		Replace
	Low battery level		Charge the battery

INSPECTION, REPAIR, MAINTENANCE

Troubleshooting

Fault	Faulty cause	Troubleshooting
Unstable riding	Excessive steering bearing clearance	Do adjustment
	Insufficient tire pressure	Add to the specified air pressure
	Front and rear wheel axles loose	Tighten the nut
Brake Failure	Brake shoe worn out to limit	Check the ignition system
	Brake cam worn out	Clean the throttle valve body
	Excessive free travel	Adjust and check the hydraulic oil

Engine oil replacement



Cleaning the Oil Filter Strainer

1. First, remove the oil dipstick, oil filter cover (1), spring (2), and oil filter strainer (3).
2. Clean the oil filter strainer using a solvent.
3. Reinstall the oil filter strainer, spring, and oil filter cover.
4. Fill the engine with oil that meets the specifications. The oil level should be based on the upper limit mark on the oil dipstick.

Note that the dipstick should not be screwed in when measuring the oil level.

5. Tighten the oil dipstick.
6. Start the engine, let it idle for a few minutes, then stop the engine.
7. Recheck the oil level, ensuring it is near the upper limit mark and there are no oil leaks.

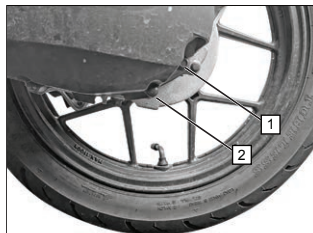
Recheck the oil level, ensuring it is near the upper limit mark and there are no oil leaks.

Oil Capacity

After engine maintenance or major repairs, add 0.8L of oil.

INSPECTION, REPAIR, MAINTENANCE

Gear oil replacement



Suggested Gear Oil Grade:
AE 80W/90S

Refueling Capacity:
Replacement capacity: 0.12 liters

Steps for Replacement:

1. Support the motorcycle securely on a parking stand.
2. Remove the oil injection bolt (1) and the oil drain bolt (2).
3. Clean the oil drain bolt thoroughly before reinstalling and tightening it.

4. Using a syringe, slowly inject gear oil into the oil injection bolt hole until it begins to overflow from the oil injection bolt hole.
5. Reinstall the oil injection bolt and tighten it securely.



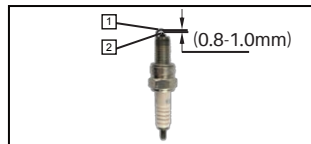
ATTENTION

Ensure the engine is warm before draining the oil.

The motorcycle must be securely supported on the parking stand.

Allow the oil to drain completely and quickly.

Battery maintenance



The spark plug recommended:
CR7HSA (NGK)

Spark plug inspections and replacement steps :

1. Disconnect the spark plug cap and remove the spark plug with a specialized wrench.
2. Check the electrodes and central ceramic head for buildup, erosion, or carbon deposits. Replace if severely corroded; clean minor deposits with a spark plug cleaner or brush.
3. Adjust the gap between the side electrode (1) and central electrode (2) to 0.8-1.0 mm.
4. Use only the specified grade of spark plug; do not use substitutes.

INSPECTION, REPAIR, MAINTENANCE

Cleaning of the air filter

1. Remove the fixing screws of the air filter cover.
2. Remove the filter element from the air filter box.
3. Clean the filter element with compressed air or a dry brush, or place a new filter element in the filter box.

Follow the reverse procedure above to reinstall the air filter.



WARNING

Never use gasoline or low ignition point solvents to clean paper filter.

Battery maintenance

This scooter is equipped with a sealed battery (no water addition required).



CAUTION

The top cover of the sealed battery electrolyte should never be removed.

If corrosion occurs on the battery terminals, remove the battery and clean the terminals thoroughly. (Rinse with boiling water.)



CAUTION

When removing the battery, ensure the ignition switch is turned off. Disconnect the negative terminal first, followed by the positive terminal.

During reinstallation, connect the positive terminal first, then the negative terminal.

Fuses replacement

- The main fuse, rated at 15A/25A, is located inside the battery box.
- If the fuse frequently blows, it may indicate a short circuit or system overload. Consult your local authorized maintenance shop for inspection and repair.
- Replacing the specified fuse with copper wire is strictly prohibited.

RIDING INSTRUCTIONS

Pre-Riding Inspection

Routine inspections should be conducted to ensure optimal vehicle performance and safe driving.

Fuel Tank Capacity

Turn on the ignition switch and check the fuel gauge. Refuel when it approaches the red mark. Also, inspect the fuel tank for leaks.

- Fuel tank capacity: 6 liters
- Insert the key into the fuel tank cap's keyhole and twist it clockwise to open.
- Use unleaded gasoline with an octane rating of 92 or higher whenever possible.
- Avoid introducing dust, moisture, or contaminants into the tank during refueling.



WARNING

Gasoline is highly flammable and can ignite or explode under certain conditions. Always refuel in a well-ventilated area with the engine turned off. Keep flames and sparks away from refueling and storage areas.

Do not overfill the tank (no fuel should enter the inlet pipe). Ensure the fuel tank is securely locked after refueling.

Gasoline is toxic and can cause fainting if swallowed. Avoid prolonged skin contact, and keep gasoline away from children. If swallowed, seek medical attention immediately.

Inspection of engine oil level

1. Support the motorcycle on a flat surface using a parking stand. Unscrew the oil dipstick, wipe it clean with a rag, reinsert it without screwing it in, and then remove it to check the oil level.
2. If the engine oil level is near the lower limit mark on the dipstick, add oil that meets the required specifications.

Ensure the oil level does not exceed the upper limit mark. After adding oil, tighten the dipstick and check for any signs of oil leakage.

Recommended Engine Oil Grade:
10W-40 (Scooter oil)

RIDING INSTRUCTIONS

Pre-Riding Inspection

Tires checking

To ensure optimal vehicle performance, durability, and safe operation, follow these guidelines for the specified tires:

Tire pressure

Check and adjust tire pressure before every ride to maintain proper levels.



WARNING

Tire pressure must be checked and adjusted when the tires are cool (i.e., at the same temperature as the surrounding environment).

Adjust tire pressure based on driving speed and the combined weight of the rider, passengers, cargo, and accessories, ensuring it remains within the vehicle's specified limits.

Starting the engine

1. Insert the key into the ignition switch and turn it to the "ON" position.
2. Hold the brake handle, press the start button, and slightly turn the accelerator () to start the engine. Do not hold the electric start for more than 5 seconds at a time.



WARNING

Before riding, ensure the side stand is fully retracted. Failure to do so may result in serious accidents when turning.

If the electric start fails, wait 30 seconds before attempting again.

For cold starts, allow the engine to warm up briefly (about 3 minutes) before riding.

In extremely hot weather, prolonged idling can cause the engine to overheat. Shut down the engine promptly if overheating occurs.

RIDING INSTRUCTIONS

Riding the scooter

WARNING

During operation, the muffler becomes extremely hot. Accidental contact can cause burns, even shortly after the engine is turned off. Wear long trousers to protect yourself and avoid injury.

Always wear protective gear, such as a helmet, dust goggles, and gloves, while riding.

Avoid wearing loose or ill-fitting clothing, as loose sleeves or pant legs can catch on brake handles, braces, or other parts, leading to safety risks.

Ensure all equipment installed on the scooter complies with local traffic laws and regulations. Carry all required documents as mandated by local authorities.

NOTE

During the running-in period (first 1,000 km), maintain controlled speed and load. The total load, including the rider, should not exceed 100 kg. Over-speeding or overloading during this period significantly reduces engine life. Replace the crankcase oil after the initial 300 km of riding.

Follow speed guidelines as per table below.

Range (km)	0-200	200-500	500-1000
Speed (km/h)	≤30	≤45	≤55

- Ensure the side stand is retracted, then sit on the seat and place your left foot on the ground to keep the scooter upright.
- Gradually increase the throttle to start moving, then retract your left foot and adjust the throttle to reach a suitable speed. When slowing down, gently close the throttle.

WARNING

Avoid sudden throttle operation, as it can cause the scooter to surge forward uncontrollably.

Always retract the side stand before riding and carefully assess road conditions along your route.

RIDING INSTRUCTIONS

Riding the scooter

Brake operation

- To reduce speed effectively, close the throttle gradually and use both the front and rear brakes in coordination.
- Be extra cautious when braking, accelerating, or steering on wet or loose surfaces, especially during rainy conditions.

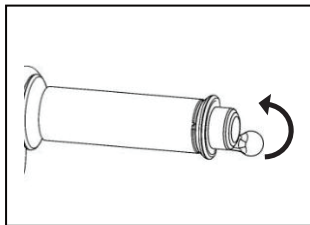


NOTE

- When descending steep slopes, fully close the throttle and use the front and rear brakes to control speed. Avoid prolonged braking to prevent overheating and reduced braking performance.
- On slippery roads or at medium to high speeds, do not use only the front or rear brake.
- Apply the rear brake first, then the front brake simultaneously, to minimize the risk of skidding.

Engine shutdown operation

- Close the throttle by turning it fully to the final position as indicated (under normal conditions, releasing the throttle will bring the engine to idle speed).
- Turn the ignition switch key to the "OFF" position.



Parking operation

- Turn the ignition switch to the OFF position.
- Engage the parking stand securely and lock the handlebars.



WARNING

Always park the motorcycle on hard, flat ground to prevent tipping or personal injury.

- Always lock the handlebars and remove the key from the ignition switch.
- Whenever possible, park the motorcycle in a locked garage for added security.

WARRANTY CLAIM POLICY

Warranty Claim Coverage and Guideline

No.	Categories	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.	Body Cover (Appearance & Plastic)	1 Week	Refer to date do chop received and signed by dealer
4.	Electrical Components	1 Year	Based on registration date
5.	Wear and tear	3 Months @ 1,000KM	Subject to case-by-case approval
6.	Battery	1 Week	Based on registration date
7.	Tire	1 Week	Based on registration date

Warranty Claim Process Flow

1. To get immediate assistance, we kindly request customer to reach any of our AVETA authorized dealer or contact our service hotline at **+60 12-956 5409**. Our support team is ready to help them with any inquiries they may have.
2. To be eligible for warranty claim services, customer must provide a valid proof of purchase and the defective part or affected motorcycle to our nearest authorized dealer.
3. This warranty does not cover inconvenience or loss of use of the motorcycle or transportation of the motorcycle to or from the AVETA dealer.

WARRANTY CLAIM POLICY

Warranty Limitation and Exclusion

1. Consumable (wear and tear) items, i.e. sprocket set, air filter, bulbs, engine oil, coolant, belting clutch plate, bearing, brake shoes, brake pad, spark plug, brake disc, gasket, fuse, and oil filter.
2. Parts of motorcycle that have been subjected to misuse, accident, negligent treatment or which have been used in conjunction with parts and equipment not manufactured or recommended for use by AVETA such use prematurely affects the performance and reliability of the motorcycle.
3. Parts of motorcycle that have been altered and modified or replaced in unauthorized manner and which in the sole judgement of AVETA affects its performance and reliability.
4. Any profit loss, transportation charges, time loss, and external repair charges due to the breakdown of the motorcycle.
5. Parts of motorcycle getting rusty or damage due to environmental factor (acids, detergent, urine of animal, seawater, water cement), natural disaster (flood, earthquake, fire) or any external causes beyond the control of AVETA control.

Judgement of Warranty Claims

1. AVETA MALAYSIA reserves the right of final decision on all claims.



Aveta Global Marketing Sdn Bhd

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