



LANCE
POWER SPORTS.COM

DUKE TOURING
250

OWNER'S MANUAL

WELCOME

The scooter presents you a challenge to master the machine, a challenge to adventure. You ride through the wind. Linked to the road by a vehicle that responds to your commands as no other does. Unlike an automobile, there is no metal cage around you. Like an airplane, a pre-ride inspection and regular maintenance are essential to your safety. Your reward is freedom.

To meet the challenges safely, and to enjoy the adventure fully, you should become thoroughly familiar with this owner's manual **BEFORE YOU RIDE THE SCOOTER**.

As you read this manual, you will find information that is preceded by a **NOTICE**. This information is intended to help you avoid damage to your scooter, other property, or the environment.

IMPORTANT INFORMATION

1 OPERATOR AND

This scooter is designed to carry the operator and one passenger. Never exceed the maximum weight capacity as shown on the accessories and loading label.

2 ON-ROAD USE

This scooter is designed to be used only on the road.

3 READ THIS OWNER' S MANUAL CAREFULLY

Pay special attention to the safety messages that appear throughout the manual. This manual should be considered a permanent part of the scooter and should remain with the scooter when resold.

SCOOTER SAFETY

IMPORTANT SAFETY INFORMATION

Your scooter for your own safety and understand the challenges that you can meet on the road.

There is much that you can do to protect yourself when you ride, you' ll find many helpful recommendations throughout this manual. Following are a few that we consider most important.

Always Wear a Helmet

It' s a proven fact: Helmets significantly reduce the number and severity of head injuries. So always wear eye protection, sturdy boots, gloves and other protective gear.

Make Yourself Easy to See

Some drives do not see scooter because they are not looking for them, To make yourself more visible, wear bright reflective clothing, position yourself so other drivers can see you, signal before turning or changing lanes ,and use your horn will help others notice .

Ride within Your Limits

Pushing the limits is another major cause of scooter accidents, never ride beyond your personal abilities or faster conditions warrant Remember that alconhyol, drugs, fatigue and inattention can significantly reduce your ability to make good judgements and ride safely.

Keep Your Scooter in Safe Condition

For safe riding, it's important to inspect your scooter before every ride and perform all recommended maintenance.

Loading Limits and Guidelines

Your scooter has been designed to carry you and one passenger, when you carry a passenger, you may feel some difference during acceleration and braking, But so long as you keep your scooter well-maintained, with good tyres and brakes, you can safely carry loads within the given limits and guidelines.

However, exceeding the weight limit or carrying an unbalanced load can seriously affect your scooter's handling, braking and stability . Improper modifications, and poor maintenance can also reduce your safety margin.

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COMPONENT IDENTIFICATION

- ① Front Turn Signals
- ② Rear Brake Lever
- ③ Rear View Mirror
- ④ Saddle lock
- ⑤ Air Cleaner Element
- ⑥ Kick-Starter
- ⑦ Main Stand
- ⑧ Pillion Step
- ⑨ Side stand
- ⑩ Frame Number
- ⑪ Headlight

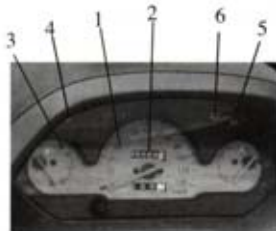


- ① Rear backrest
- ② On-off
- ③ Rear View Mirror
- ④ Throttle
- ⑤ Front Box(1.5kg limit)
- ⑥ Front Brake
- ⑦ Battery
- ⑧ Rear Box(10kg limit)
- ⑨ Oil Filler/Oil Level Gauge
- ⑩ Disc Brakedisc



METERS & INDICATORS & SWITCHES

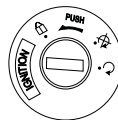
- ① Speedometer
- ② Odometer
- ③ Fuel Gauge
- ④ L-winker Indicator
- ⑤ Air Cleaner Element
- ⑥ Headlight High beam Indicator






Components	Function
Speedometer	Indicates speed in km/h during travel.
Odometer	Indicate total operating distance in km.
Fuel Gauge	Indicates amount of gasoline in fuel tank.
L-winker Indicator	Blinks when L-turn signal is flashing.
R-winker Indicator	Blinks when R-turn signal is flashing.
Headlight High beam Indicator	Turned on when the headlight is in high-beam position.

If needle of Fuel Gauge is within E mark (red zone), immediately fill gasoline. The gasoline reserves in fuel tank is approximately less than 1.3L at the moment.

Main Switch



Key position	Function	Key removal
 STEER LOCK	Steering wheel is locked. Engine and lights cannot be operated.	Can be removed
 OFF	Stops engine. Cuts off all electrical Circuits.	Can be removed
 ON	Engine can be started. To operate horn, wipers, brake light and Headlights.	Cannot be removed

CAUTION


Prior to dismounting from the vehicle, make sure to lock the steering and remove key.

If the key is left in “ON” position without starting engine, battery is Discharged.

Steering lock

To prevent theft, lock steering when parking the vehicle.


How to lock:


1. Turn the steering to the left completely.
2. Insert main switch key.
3. Gently press and turn the key to the position “”
4. Lightly turn the wheel from left to right to verify lock.
5. Remove the key.


How to release:

1. Insert main switch key.
2. Turn clockwise.
3. Remove the key.

Headlight high/low Beam Switch①



High beam or low beam can be operated by the use of the high/low beam switch when main switch key is in “ON” position and Headlight & Position switch is in “” Position.

 Headlight placed on high beam. Headlight high-beam Indicator is turned on.

“” Headlight placed on low beam.



Winker Switch ②

Use winker switch when you are going to turn left or right. Winker Shows your intention to others. When turning to left, put the switch in “” position. When turning to right, put the switch in “” position. To release turn signal operation, press the winker switch. The winker switch does not automatically turn back to its original position after the turning. Please set the switch back to its centre position after turning. Driving the vehicle with the light on may hinder traffic.

Horn Button ③

When main switch is in “on” position, press the Horn Button to horn.

Starter Button ①


Starter motor runs while this.
button is pressed to start engine.

CAUTION



Do not run starter motor continuously. Because the
starter motor consumes great amount of power.
Continuous running starter motor might cause battery
failure .



Headlight & position Switch②

Switch Position	Switch Position
	Headlight, position lamp and taillight turned on.
≥00≤	Position lamp and taillight turned on.
●	Light turned off

Switch

Switch position	Function
	Engine is active
	Engine is inactive

Sundries Boxes

There are two sundries boxes in the vehicle. The
front box is facing rider seat. The load limit of front box
is 1.5kg. The rear box is under the saddle. The load
limit of rear box is 10kg .Use main switch key to open or
Close them.

CAUTION

Be careful not to make the inner of the boxes wet
when you wash your vehicle.

This scooter is not designed to carry much
cargo. Small loads can be carried safely if
positioned and fastened properly. The extra weight
changes the way the scooter handles, balances,
turns , speeds up, and slows down. Do not carry large
loads exceeding the load limit of each box.

REFUELING

Fuel tank is located at main tube. When fill oil, open cover of gasoline tank using key to main switch, then open lid of the oil tank. Volume of gasoline tank is about 8L. After filling, recover the lid of oil tank. Please use motor gasoline with octane rating 90 or higher and with no lead.

WARNING

Gasoline is highly flammable and explosive:

- Always turn off the engine when refueling.
- Take care not to spill any gasoline on the engine and muffler.
- Never refuel while smoking or in the vicinity of an open flame.
- Never use a oil/gasoline mixture or gasoline substitute
- Prevent dirt, dust or water from entering the fuel tank When refueling.

Starting the Engine

1. Ensure the steering lock is released and the main switch is in “ON” position.
2. Open throttle grip approximately 1/8 and press starter button (or tread the kick-starter quickly).
3. Once engine is started, pull and release throttle grip repeatedly to run engine idle until engine is heated.
4. Ensure stands are in original positions and start slowly.

Caution

Exhaust gas contains harmful substance such as carbon monoxide. Start engine in well-ventilated place.

Break-in operation for a new vehicle

Keep speed at a level less than 50Km/h for first 1,000km
Avoid abrupt accelerating. If vehicle is operated as above, the life span of equipment is prolonged.

GET FAMILIAR WITH THE SCOOTER

Make sure you are completely familiar with the scooter before you take it out on the street. This is Particularly important if you are a beginner or you are riding a new scooter. If you are going to use an Unfamiliar scooter:

- Make all the checks you feel necessary.
- Find out where everything is, particularly the turn signals, horn, headlight switch, throttle. Find and operate these items without having to look for them.
- Before start, try return situations of gun and brake for several times. It should be known that reactions of control pieces from different cars are slightly different.
- Ride very cautiously, Accelerate gently and take turns more slowly.

CHECK YOUR SCOOTER BEFORE EVERY RIDE

Before mounting the scooter make the following

Checks:

- Tires-Check the air pressure.
- Oil-Oil level. Look under the vehicle for signs of an oil leak.

- Headlights and Taillight-Check them both. Test your dimmer to make sure both high and low beams are working .
- Turn Signals-Turn on both right and left turn signals. Make sure all four lights flash.
- Brake Light-Try both brake controls, and make sure each one turns on the brake light. Once you have mounted the scooter, complete the following checks before starting out:
- Throttle-Make sure it works smoothly. When you release gun, the gun should be able to bounce automatically .
- Mirrors-Clean and adjust both mirrors before starting. It' s difficult and dangerous to ride with one hand while you try to adjust a mirror. Adjust each miror so you can see the lane behind and as much as possible of the lane next to you. When properly adjusted, a mirror may show the edge of your arm or shoulder-but it' s the road behind and to the side that' s most important.

- Brakes-Try the front and rear brake levers one at a time. Make sure each one feels firm and holds the scooter when the brake is fully applied.
- Horn-Try the horn. Make sure it works.

In addition to the checks you should make before Every trip, check the wheels at least once a week.

SAFTY PRECAUTIONS

- Accident analyses show that head and neck injuries account for a majority of serious and fatal injuries to motorcyclists. Research also shows that, with few exceptions, thead and neck injuries are reduced by the proper wearing of an approved helmet. SO, riders and passengers, regardless of age, are required to wear an approved helmet when operating a two-wheel motorcycle.
- In dusty areas, operators must wear an eye protection device (eye glasses, goggles, or face shield). Contact lenses do not qualify as eye protection devices.
- In accidents with motorcyclists, other drivers often say that they never saw the motorcycle. So, wear Bright reflective helmets and clothing to help others see you and avoid staying at the blind spots of other drivers .
- The greatest potential for conflict between a motorcyclist and other traffic is at intersections and exits of parking area. Please keep cautious when operating the vehicle at intersections and exits of parking area.
- Most collisions happen on short trips(less than five miles long),just a few minute safter starting out .So, concentrate your attention on riding after starting your motorcycle.
- Collisions are fairly common among beginners Especially in the first months of riding. Riding an unfamiliar motorcycle adds to the problem. If you borrow a motorcycle ,get familiar with it in a

Control area. And if you lend your motorcycle to friends, make sure they are licensed and know how to ride before allowing them out into traffic.

WARNING:

Alcohol is a major contributor to motorcycle accidents, particularly fatal collisions. Do not drink and ride .

OIL

How to check

- 1.Put vehicle in upright position on level ground.
- 2.Run engine idle for approximately 2-3 minutes, then stop engine.
- 3.Insert oil level gauge, without locking, and check oil level after removing oil gauge.
- 4.verify the oil level is between the upper and lower Level of oil level gauge.
- 5.If the oil level is near lower level, refuel it to upper Level.

NOTE:

Engine oil is a major factor affecting engine performance. Running the engine with insufficient oil

can cause serious engine damage, SAE 15W-40 or SAE 15W-40 ISF is recommended for general, all-Temperature use of this motorcycle.

- When the data of odometer reaches its first 300km, Engine oil must be replaced, thereafter change every 1,000km.

How to replace oil

- 1.Stand vehicle on the main stand on level ground
- 2.Run engine idle(warm up)for approximately 2-3 minutes .
- 3.Stop engine and place a container under the engine.
- 4.Remove oil level gauge and drain bolt. Clean oil filter screen .Check the condition of oil filter screen seal rubber and, O-ring. Close oil filter screen, spring, and oil drain bolt, and replenish oil up to the upper level of the oil level gauge.

CAUTION

Dispose of used oil properly.

If engine oil is polluted, it seriously affects the engine life span. Maintain appropriate level of oil, use correct type of oil and observe oil replacement period.

PERIODIC MAINTENANCE SCHEDULE

I: INSPECT, CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY.

R: REPAIR; L: LUBRICATE; C: CLEAN

Item		First year 300/1000km	Frequency(month)			
			1	3	6	12
	Engine Oil	R	Every 1,000km:R			
	Brake System	I	I			
	Action of Brakes	I			I	
**	Clutch	I				
	Lights, Meters	I	I			
**	Swing Arm Bearing	I		I		
	Fuel Line	I			I	
	Fuel Filter	I			I	R
	Throttle wire	I	I			
*	Carburetor	I			I	
	Filter of Air Cleaner	I		C		R
	Spark Plug	I		I		
	Ignition	I		I		
	Battery	I	I			
**	Throttle Clearance	I			I	
	Web of Oil Filter	I			C	
	Oil Filter					C
**	Drive Belt	I&L	I&L			
**	Oil of Suspension				I	R
*	Suspension	I			I	
	Stands	I	I			
	Tires	I	I			
	Bolts, Nuts	I	I			

* If you do not have the appropriate tools or information to conduct maintenance, or you do not know how to perform maintenance on this Vehicle, contact authorised dealers for maintenance and repairs.

** To ensure safety, inspections and maintenance of these parts must be carried out by authorised dealers or service centre.

CAUTION:

- To maintain its high reliability and extend the life span, please service More frequently when riding in Unusually wet or dusty areas, Please increase regular maintenance frequency .
- Replacement requires mechanical skill.

WIRING DIAGRAM

