

QUICK START GUIDE

QUICK START GUIDE



SAR





ABOUT LECTRIX

We are Lectrix and we believe in the relentless pursuit of getting things right.

As a flagship brand of the SAR Group, we use modern tech to empower next-gen mobility.

What truly sets us apart though, is our deep knowledge of batteries and Battery Management System (BMS), a know-how that comes from our parent company and its subsidiaries, each of which supports us with their own expertise.



ABOUT LECTRIX **LXS**

How can we make the EV experience better for you, the customer?

Our story started with the question.

After spending millions in R&D, conducting several tests and taking charge of every variable on the assembly line, we finally have our answer: the Lectrix LXS.

With state-of-the-art features like auto indicators, remote immobilisation and turn by turn navigation, the Lectrix LXS is packed with smart features that make every ride feel exactly how it should: like a soft, gentle breeze.

The jewel on the crown, is the Lectrix Battery Management System (BMS), which keeps the battery healthy, manages power and controls all the smart features.



ASSURANCE



NEAR YOU,
WITH YOU,
ALWAYS

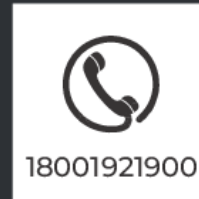


PROFESSIONAL
EXPERTISE

COMPANY-TRAINED
TECHNICIANS
AT ALL DEALERSHIPS



SERVICE ON
WHEELS*
FOR ROAD SIDE
ASSISTANCE



18001921900

TOLL-FREE
SUPPORT
FOR IMMEDIATE
QUERIES



3 YEARS
WARRANTY*



PROMPT &
RELIABLE
SERVICE

*T & C Apply



CONTENTS

LXS POSSESSOR !

Your LXS community

Introducing your LXS

👉 Before you Ride	3
👉 Overview	5
👉 Technical specifications	13
👉 Security features	14

Oversee Your LXS

👉 Battery Maintenance	19
👉 Charger Maintenance	22
👉 Precautions during battery charging	23
👉 Vehicle Maintenance	24
👉 Pre-drive check	26
👉 Regular check	28
👉 Troubleshooting faults	29

Promise while policing

👉 Service terms and conditions	34
👉 Warranty policy	35
👉 After-sales service and guarantee	44

Benefits Guides

👉 Vehicle Maintenance Schedule	47
👉 General Instructions to Lectrix Dealer	51
👉 Warranty card	
👉 Service coupons	



**INTRODUCING
YOUR
LXS**

Before You Ride

- ❖ Read the Owner's Manual carefully before using the vehicle.
- ❖ Check the battery level status before you start riding.
- ❖ Check the air pressure of both wheels before riding the vehicle.
- ❖ Do not accelerate the vehicle in the standing and parking condition.
- ❖ Do not park the vehicle in a spot exposed to direct sunlight.
- ❖ Do not unplug the charger while charging.
- ❖ Do not use the vehicle immediately after charging.
- ❖ Do not overload the vehicle with more than its carrying capacity.
- ❖ Avoid parking and riding through water levels higher than the height of the motor and battery.
- ❖ Turn the vehicle on only after sitting in a comfortable position.
- ❖ Ensure that the switches, lights and brakes are working properly before riding the vehicle.
- ❖ After washing the vehicle or having driven through wet roads, check to see if the brakes and charging state of the battery are working properly.
- ❖ Always follow road traffic rules and regulations of our country.
- ❖ Do not use the vehicle for stunt related activities.
- ❖ Note : Do not turn the throttle if you and your pillion rider are not seated properly on the vehicle.

✦ Accelerating the LXS

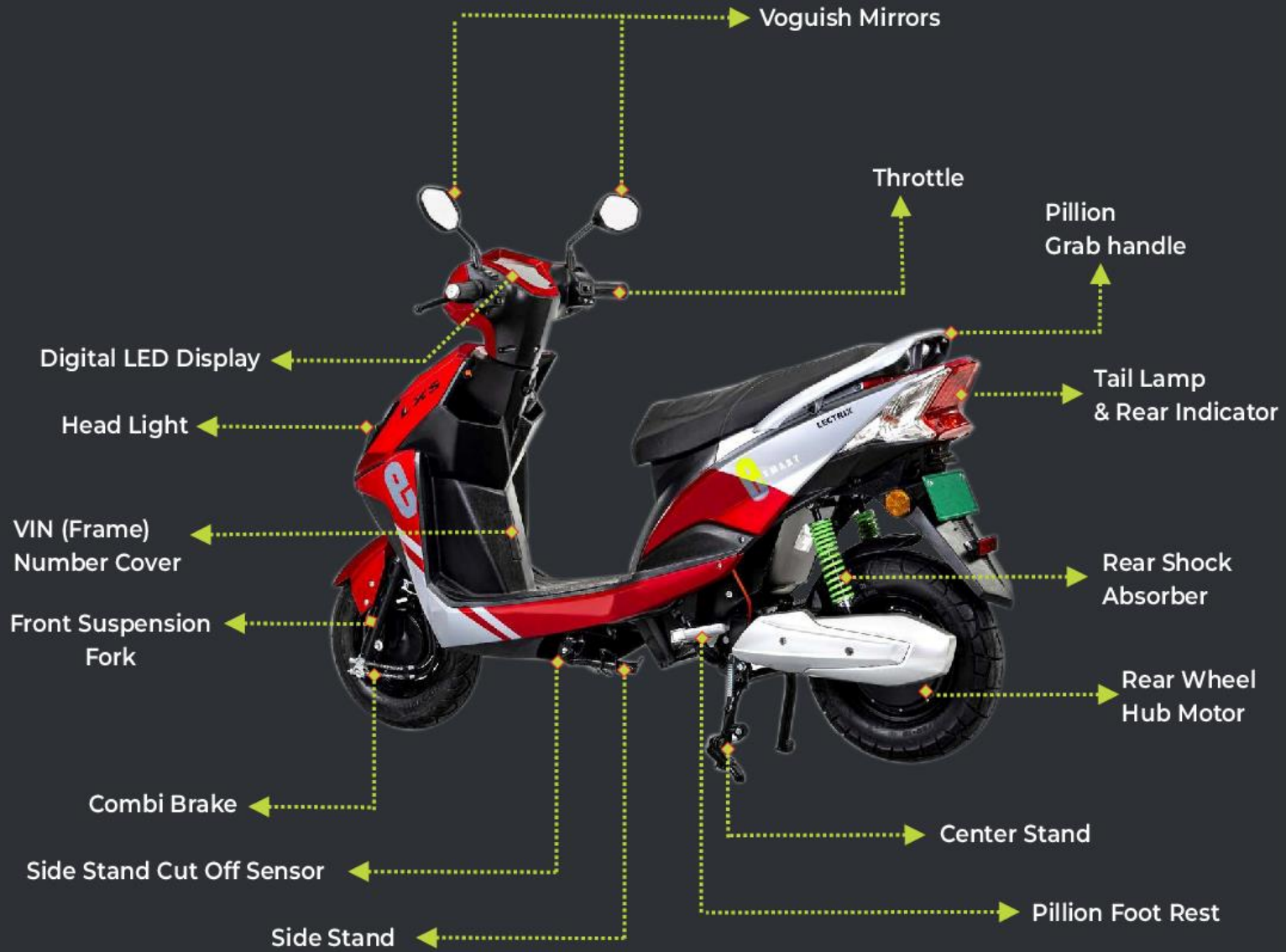
- ❖ Once seated firmly, gradually turn the throttle inwards so that the vehicle moves.
- ❖ In order to increase the speed, adjust the throttle further inwards.
- ❖ Accelerate gradually at all times, especially when setting off or climbing up slopes to save electric power.

✦ Braking the LXS

- ❖ It is most effective to use both the front and rear brakes gradually and simultaneously.
- ❖ We have incorporated a Harmonised Braking System (HBS) which activates front brake parallelly while applying the rear brake.
- ❖ Release the throttle and apply brake levers to reduce the speed of the vehicle gradually.
- ❖ Do not accelerate suddenly after applying the brakes.
- ❖ Ensure that the brake levers are released before accelerating.

Over View





USB Port



Bag Hook

Ignition lock

Control Switches

Lock Control

ON : Ignition ON
OFF: Ignition OFF



OPEN / PUSH :

To release seat lock

To lock and unlock the steering :

- ❖ Push and turn the key towards left for handle bar lock.
- ❖ To unlock the steering, insert the Key in the steering cum ignition lock and turn in clockwise to the 'OFF' position. To turn the electric circuits 'ON' the key clockwise further.
- ❖ LOCK : Steering LOCK, Ignition OFF
To open the storage box, insert the key in to slot and turn anticlockwise gently.

Control switches

Left handle switch control

Dipper Switch:
When the headlight is ON, a high or low beam can be selected with the dipper switch.

Turn Signal Switch:
When the turn signal knob is turned to the left or the right, the respective indicator will start blinking. To stop the blinking, push the knob in and release.

Horn Button:
Press the button to sound the horn.



Right handle switch control



Head Light Switch

Day/ Night Running Lamp.
Tail Lamp 'ON'

Head Lamp 'ON'

Speed Mode Switch

Ignition Switch



Throttle Control

The throttle is placed at the right side of the handle bar. User can access the throttle to raise/ lower the speed of the vehicle

Digital Display

Speedometer

Battery level indicator

Odometer Reading



Additional Features*

Boot Space



Smart BMS Battery



Side stand motor cut off Switch



USB charging port



Technical Specifications

Parameter	Specifications	Additional Features
Motor Power (W)	1200	3 Year Warranty* Mobile Holder Stylish Ergonomic Seats Side Stand Indicator Digital Meter Dual Tone Graphics
Max. Speed (kmph)	50 kmph (GPS)	
Range/Charge (km)	89 Km* (Standard testing conditions)	
Loading capacity (kg)	150	
Gradient	12° (with single passenger)	
Battery	48V-40Ah (Smart BMS Li-ion)	
Controller	FOC CAN 48V-45A	
Charger	48V-15A/7.5A	
Charging Time (hrs)	3 to 4 hours	
Brake Type	Drum-CBS (Combined braking system)	
Front Brake	Front-Drum	
Rear Brake	Rear-Drum	
Front Suspension	Telescopic	
Rear Suspension	Coil Spring	
Wheel	10" Steel	
Front Tyre	90/100-10-Tubeless	
Rear Tyre	110/90-10-Tubeless	
Ground Clearance (mm)	160	

Note : Due to recurrent improvement in our products, the vehicle specifications and design are subject to change without any prior notice.

Security Features

You can make use of the following security features.

Steering Lock

Push and turn the key towards left for handle bar lock. To release the lock, push the key into the power switch and turn clockwise.

Seat Lock

To open the seat lock, insert the key into the key slot and turn it anticlockwise. Lift up the seat and release the self-locking device. To lock the seat, press the seat firmly.

Rear Storage Box

There is provision for storage on the rear side under the seat.

There is another provision for storage in the leg space area (below the key hole.)



Lectrix EV Pvt Ltd
Manesar Plant



**OVERSEE
YOUR
LXS**

Battery Maintenance

General Guidelines

- ❖ Recharge the battery if the voltage is less than 47.25V.
- ❖ Connect the chogori (twist to open / close type) connector properly, you would hear a sound when the connections are made.
- ❖ Route the cable in such a way that it does not create any kind of tension on the chogori connector.



Charging Guidelines

- ❖ Use only specific Li-ion battery chargers.
- ❖ When possible, remove the battery from the vehicle before charging.
- ❖ Charging voltage should be 47.25 – 58.0V for both vehicle and battery charger.
- ❖ If you used lower voltage charger will result in insufficient charge or if you used higher voltage charger, it will cause damage to the battery.
- ❖ Avoid draining the battery to less than 30.0V. If the voltage drops to below 47.25V, please consider charging it immediately.
- ❖ If the battery becomes hot to the touch, stop charging and allow the battery to cool before resuming.

- ❖ After charging, wait 15min at least before putting the battery in use.
- ❖ If any fumes are seen from the battery, please get away from the battery or put the battery in an isolated area.
- ❖ Do not keep the battery charger on top of the battery.

Storage Guidelines

- ❖ The battery should be kept in a clean and dry environment (5°C to 50°C) with no contact with any corrosive substance and away from heat and fire
- ❖ Charge the battery once every 30 days is its primary requirement for its longer life, if storing the battery for longer duration, please do not keep it full charged, 50% charge happens to be the safe SOC for storage.

- ❖ If the battery is not in use for more than 180 days, there are chances of complete cell damaged in this case.
- ❖ Do not expose the battery to direct sunlight, this may harm the cells and end up to be explosively hazardous.

Cautions

- ❖ Do not immerse the battery in water.
- ❖ Do not use or store the battery near sources of fire or heater.
- ❖ Do not reverse the positive (+) and negative (-) terminals
- ❖ Do not connect the battery directly to AC outlets
- ❖ Do not pierce the battery casing / terminal with a nail or other sharp object.
- ❖ Do not charge the battery with charging voltage of over 58.5V.

- ❖ Do not attempt to disassemble or modify the battery in any way.
- ❖ Do not place the battery in a microwave oven or pressurized container.
- ❖ Do not use the battery in combination with primary batteries (such as dry cell batteries) or batteries of different capacity, type, or brand.
- ❖ Do not use the battery if it gives off an odor, generates heat, becomes discolored or deformed, or appears abnormal in any way.
- ❖ The battery will fail if over charged, it may deform or fume.
- ❖ The cranking performance will be affected when the temperature is lower than -5°C .
- ❖ Avoid the frequent charging
- ❖ Do not overcharge the battery for more than 4 hours.

Usage Guidelines

- ❖ It is recommended to disconnect the battery if the vehicle is in storage or used infrequently. Alternatively, perform maintenance charge or charge the battery regularly. If the battery is not used for a long period of time, check the voltage and recharge the battery if the voltage is below 47.25V.
- ❖ Keep the connecting poles of chogori clean and securely fastened or covered with an inflammable material.
- ❖ The battery is factory sealed and requires no topping up of any liquid. Never attempt to open the battery, this would void your warranty.

Do not modify the electrical components and wiring circuit on your own. This can cause operational faults, electric failure and another damage, there by shortening the life span of the vehicle and endangering the safety of the user.

Only the user will be responsible for errors or faults caused due to the above reasons.

Charger Maintenance

❖ Charger LED glowing indication

INDICATION	DESCRIPTION
Red	Reverse Polarity
Green	Battery charging %
Yellow - Constant	Charger Faulty
Yellow - Blinking	Battery not connected

❖ Firstly, connect the output cable of the charger into the battery pack's charging port and then connect the input cable of the charger to the AC main power supply.

❖ When the batteries are fully charged, (If battery fully charged, charger's 25, 50, 75, 100% green LED will glow continuously), first unplug the input cable of the charger from the AC mains and then output cable from battery pack.

❖ Check and ensure that the voltage supply to the battery charger is AC 220V, if the supply voltage is irregular or expected to vary drastically, please use a voltage stabilizer or spike buster.

❖ Do not let the charger get wet so as to prevent damage, short circuiting and fire.

❖ Never plug or unplug the charger using wet hands and don't touch the charger under bad weather conditions involving thunder or lightning.

❖ Do not keep the charger in dust and damp surroundings.

❖ Avoid using the charger under direct sunlight.

Precautions during Battery Charging

- ❖ Do not switch on the vehicle while the battery is being charged.
- ❖ Charge the battery away from children. Do ensure that they do not play with the appliance.
- ❖ The charger is made up of high voltage electric circuits - do not dismantle it.
- ❖ Prevent liquid and metallic particles from entering the charger during use and storage.
- ❖ This charger is designed for indoor use. Use the charger under dry and airy conditions.
- ❖ If you detect a weird smell or overheating during the charging process, please stop charging immediately and contact an authorised service outlet or send the charger to a retailer for servicing.
- ❖ Do not attempt to recharge any non-rechargeable batteries.
- ❖ If the supply cord is damaged, it must be replaced by authorised service outlet or retailer for servicing.

Vehicle Maintenance

Front Wheel - Removing and re-fixing for tyre changing, fixing punctures and etc.

Dismantling Procedure

- ❖ Loosen the adjuster nut on the front brake cable.
- ❖ Remove the brake cable from the cam lever.
- ❖ Loosen and remove the axle nut on the side.
- ❖ Gently tap the axle and remove the wheel from the fork.

Assembling Procedure

- ❖ Keep the front brake panel on the wheel. Position the wheel on to the fork with a small spacer on the brake-cover-plate side and the long spacer on the other side.
- ❖ The slot provided on the cover-plate should be positioned on the boss (projection) provided on the left side of the fork.
- ❖ Insert the front axle on the one side through the wheel assembly.
- ❖ Tighten the axle nuts.
- ❖ Insert the front brake cable through the anchor on the brake panel, spring and ferule on the brake operating lever. Tighten the nut on the cable end.

Rear Wheel - Removing and re-fixing for tyre changing, fixing punctures and etc.

Dismantling Procedure

- ❖ Remove the rear brake cable by loosening and removing the bolt on the brake cable.
- ❖ Disconnect motor wires from controller. Disconnect the connector of the motor and three motor wires (Blue, Green, and Yellow) by removing the bolt.
- ❖ Remove the bolt and nut anchoring the brake panel.
- ❖ Remove the bolts on both retainer plates on either side of the rear stay.
- ❖ Loosen the axle nuts on both sides.
- ❖ Slide the wheel backwards through the slot.

Assembling Procedure

- ❖ Slide the wheel assembly on the stay slot, keeping the retainer plates at the extreme position on the axle shaft and keeping the motor wires to the left of vehicle.
- ❖ Tighten the axle nuts on both the sides and tighten the retainer bolts on both sides.
- ❖ Fix the brake panel with the provided bolt and nut.
- ❖ Insert the brake cable through the anchor, spring and turn-on. Tighten the bolt.
- ❖ Connect the motor wires by connecting the connector to the sockets and three motor wires by tightening the bolt to the corresponding sockets.

Pre-Drive Check

Check The Wheels

- ❖ Check if the pressure in the tyres is normal. Gauge the pressure of the wheel from the amount of contact it makes with the ground. If the pressure is not normal, use a pressure gauge to measure the pressure when the tyres have cooled down.
- ❖ Check for wear and tear or any other damage to the tyres.
- ❖ Check if there are any nails, stones, glasses, or other material stuck to the tyre tube or if there is any damage to it.
- ❖ Check the tyre tread wear. If the markings are two-thirds worn out, it is time to change them immediately.

Wheels	Front	Rear
PSI	24	36

Check The Lights And Turn Indicators

- ❖ Power up the vehicle and check if all the lights in the front and rear are in working condition. Check if the headlight glows bright enough.
- ❖ Check the front and rear brake lights functioning.
- ❖ Check the turn indicators lights functioning.

Check The Rear View Mirror

- ❖ Make sure that you can clearly see the rear and side area of the vehicle in the rear view mirror in the driving position.
- ❖ Check whether the rear view mirror is free from dirt or damage.

Check The Reflector

- ❖ Make sure that the reflector is not dirty or damaged

Check The Handles

- ❖ Move the handles up, down, front, back, left and right to make sure that they are not loose.
- ❖ Check if the handles are too tight to ensure free movement.

Regular Check

In order to extend the life span of the vehicle, allowing it to be driven safely and comfortably, please check & maintain the vehicle regularly. perform thorough checks

Perform Maintenance Checks In A Safe Manner

- ❖ Choose a spacious and even ground to perform checks.
- ❖ If a maintenance check, needs to be performed while driving, it should be done in a safe place and while observing safety precautions.
- ❖ If you find anything abnormal, please resolved the problem before continuing your journey. If you cannot resolve the problem, please contact the dealer to check the problem.

Check The Functional Parts Of Your Vehicle

- ❖ Check the front fork of the vehicle for any bending or damage.
- ❖ Check the braking device for its effectiveness. Drive along a dry even road at t slow speed, apply front and rear brakes and test their effectiveness.
- ❖ Shake the handles of the vehicle to make sure that there are no abnormal sounds coming from the front fork of the vehicle.
If there are, please contact your service center.
- ❖ When driving in rain or snowy weather, the braking distance required may increase. It is recommended to adjust brakes for effectiveness in such weather conditions.

Troubleshooting Faults

If Your Vehicle Gives Lower Mileage After One Full Battery Charge :

- ❖ It might be because of insufficient tyre pressure. If so, make sure that the air pressure in the tyres is sufficient.
- ❖ It might be because the battery is not fully charged or the charger is faulty. If so, charge the battery fully or check for a disconnection with power supply.
- ❖ It might be because of a worn out or faulty battery. If so, change the battery.

If Your Charger Does Not Charge Or The Power Indicator Light Does Not Illuminate :

- ❖ Check whether there is alternating current power supply.

If The Charging In Light Does Not Work :

- ❖ Check whether the output connector is well connected.

When you eliminate the conditions above, please ask for help from the manufacturer. Do not attempt to repair it yourself.

If the charging indicator red led is always glowing:

- ❖ Check with charger output cable and battery polarity

If the charger indicator yellow led is always glowing :

- ❖ Charger Faulty.
- ❖ Charger output cable not connected with battery.

When you eliminate the conditions above, please ask for help from the Authorized Dealer/ Service center, do not attempt to repair it yourself.

If there are other faults :

- ❖ When you encounter a problem that cannot be resolved on your own or you are unsure about the problem - please contact our authorised dealer/service center.
- ❖ If there are faults pertaining to the inner workings of the motor, controller, charger and battery, do not dismantle the parts on your own.

Brake conditions to be checked.



**PROMISE
WHILE
POLICING**



INTRODUCING
LECTRIX *LXS*
A SMOOTH RIDE THAT COMES IN
6 DIFFERENT COLOURS



AVAILABLE IN

www.lectrixev.com

Service Terms & Conditions

In order to extend the life span of your vehicle, Please use Lectrix parts and accessories only.

- ❖ Before any battery warranty claim, the batteries are to be charged and discharged for at least 6 consecutive cycles.
- ❖ Batteries are to be charged and discharged using the Lectrix individual battery charger and discharger.
- ❖ Reports of charging and discharging must be sent to warranty@lectrixev.com
- ❖ The batteries should not be charged for more than 4 hours.
- ❖ The batteries should not be kept in resting condition for a long period.

The user should follow all maintenance guidelines provided in the Manual to avail warranty claims.

Warranty Policy

Component	Life Cycle from Date of Purchase	Warranty Eligibility Condition	Replacement Condition
Battery	4 Years/ 40,000kms	BMS failure / capacity reduction beyond 80% of state of health (SOH)	Battery Pack Service / BMS Replacement / New Battery / Equivalent Capacity Battery Replacement (Based on inspection reports)

Remarks:

- ❖ Measurement Standard for Remained Capacity: The capacity is measured at 25°C by fully charging such battery with Lectrix offered charger and discharging the battery at 15A until battery BMS is cut off by Lectrix offered discharger.
- ❖ Defective batteries or chargers need to be returned to the factory by the dealer or service centre.

Component	Life Cycle from Date of Purchase	Replacement Condition
Motor, Controller, Charger, DC to DC Converter & Chassis	3 Years / 30,000 Km	Defective parts will be serviced or replaced with new part or equivalent age part.

Remarks:

- ❖ For claimed components during the warranty period, dealers/ distributors should offer Battery Inspection report on which Lectrix will take steps to replace or provide other options.
- ❖ Lectrix warrants that it will either repair or replace any Lectrix - supplied part that is found defective, in material or workmanship, under normal usage conditions.
- ❖ In all cases, the warranty is applicable from the date of sale to the original purchaser.
- ❖ During the warranty period, if any item/ component is replaced, the warranty period will from the date of sale/ purchase and not from the date of replacement.

- ❖ The right to determine whether the part needs repair, service, rectification or free replacement rests with Lectrix only.
- ❖ Repairs and adjustments caused by improper maintenance, lack of required maintenance, or the misuse of electric components and battery, other than the way it is specified in the Owner's Manual, are not covered under warranty.
- ❖ Wear and tear parts, plastic parts are not covered under the warranty. Wires, bulbs, tyres and tubes are also not covered under warranty.
- ❖ Damages due to the negligence of customers or damages caused by accidents and non-preventable
- ❖ events like flood, earthquake and fire and etc. are not covered under warranty.
- ❖ The warranty is void if the original serial number on the frame or motor is removed distorted or altered.
- ❖ Cosmetic or surface corrosion from stone chips or scratches in the paint is not covered under the warranty.
- ❖ The defective battery arising out of the free replacement under the warranty will become the property of Lectrix and no scrap rebate will be provided.
- ❖ Further, the above mentioned warranty shall, in no case, extend to the payment of any monetary considerations or replacement or return of the vehicle as a whole.

- ❖ Warranty repairs (parts and/ or labour) will be made at no charge except for consumables. Repair and replacement of parts covered under this warranty will be carried out by the company or its authorised dealers only.
- ❖ If the failure is due to improper handling, servicing by unauthorised dealers/ technicians, wilful abuse, destruction by fire, the repairs (parts and labour) and all other expenses related to the transporting the vehicle to and from the company of it's authorised dealer is to be borne by the user / customer.
- ❖ Cleaning and polishing, replacement, of parts undergoing wear & tear like worn brake pads and lining are normal maintenance services that all vehicles require and are not covered under the warranty. This must be done at the covered under the warranty. This must be done at the owner's expenses only.
- ❖ Normal noise, vibration, wear and tear or deterioration such as discolouration, fading, deformation or blur and seat cover discolouration is not covered under the warranty.
- ❖ Warranty is void, if PM service not done periodically.

General Void Conditions:

- ❖ Transferred to a third party or to any other equipment/ system/ vehicle.
- ❖ Used in non-vehicular application.
- ❖ Uneven charging.
- ❖ Used in extreme temperature area which is more than the ambient temperature.
- ❖ Leaving battery under fully discharged condition for a long time.
- ❖ Damage due to fitment of additional accessories other than the original fitment.
- ❖ Battery cover is opened or attempted to open by force.
- ❖ Breakage of container and cover.
- ❖ Short circuit due to misuse or wrongful testing.
- ❖ Charging the batteries with other brand chargers/non-recommended chargers.
- ❖ Using unauthorized charging profiles.

Motor Warranty Void Conditions:

- ❖ Motor screws are found open or missing.
- ❖ Wire Damage, sleeve cut, crimping pin cut and if wires are found twisted
- ❖ Water logging inside the motor.
- ❖ Rusting of magnets and stator.
- ❖ Axle broken due to misuse or collisions.
- ❖ The axle thread is damaged.
- ❖ The wheel rim is damaged due to mishandling or collisions.
- ❖ Connectors are burnt.
- ❖ The side cover is damaged or broken.
- ❖ Any kind of unauthorized welding is done on the motor or related parts.

Warranty void conditions for controller, converter and charger :

- ❖ Screws on the controller are open and/or missing.
- ❖ Failure due to water or liquid content inside the controller.
- ❖ Track burnt due to overloading.
- ❖ Enclosure damaged/connector damaged.
- ❖ MOSFET (Transistor) failure due to continuous overloading.

Obtaining Warranty Service :

- ❖ The owner of the LXS electric vehicle is responsible for delivering your vehicle to any authorised Lectrix Dealer in order to obtain warranty service. Your Lectrix Dealer will make the necessary repairs using Lectrix genuine parts. While any Lectrix Dealer will perform warranty service, Lectrix recommends that the owner consults the dealer from whom the vehicle was bought because of their personal interest.
- ❖ The owner of the LXS vehicle is responsible for properly operating, maintaining and caring for your LXS vehicle in accordance with the instructions contained in the Owner's Manual.
- ❖ If the vehicle is subject to continuous driving conditions, the owner should follow the maintenance requirements specified in the Owner's Manual.
- ❖ The owner of the LXS electric vehicle is responsible to track and maintain records of the maintenance documents since it might serve as proof to verify that the required maintenance has been performed. The owner may request, the dealer for maintenance repair work.

Customer Satisfaction

At Lectrix, we are proud of our complete commitment to quality, design, workmanship and customer satisfaction. Every Lectrix authorised dealer should carry the mandatory tools and equipment. Necessary training has been provided to our authorised dealers for both servicing and repairing Lectrix vehicles.

Information Needed

In the event of a problem, please be prepared with the following information:

- ❖ An accurate description of the problem including the conditions under which it occurs.

- ❖ Vehicle Identification Number / Frame

- ❖ Number / Motor Number.

- ❖ Proof of Date of Purchase.

- ❖ Selling and servicing dealer.

- ❖ Service history of the vehicle.

For The Fastest Possible Response, We Suggest You To Follow The Procedures Outlined In The Listed Order.

Step 1: Talk to your Lectrix Dealer

- ❖ This is the most direct way to resolve the problems. Every Lectrix Dealer is ultimately responsible for providing the service and repairs needed.
- ❖ First talk to the Dealer Service Manager or to the Customer Relations Staff. Explain the condition fully. If you feel that your problem has not been resolved, speak with Dealer's owner, who is most interested in your satisfaction and patronage.

Step 2: If your Lectrix Dealer is unable to provide the solution, contact Lectrix.

If you are unsatisfied with the service you received or would like to give us feedback or suggestions on our products,

please do Call 1800 102 1009.

You can also reach us via email at warranty@lectrixev.com.

After - Sales Service And Guarantee

In order to protect your legal rights, please retain a copy of this Manual. Kindly carry out spot checks and adjustments if required for your vehicles during purchase. You hold all rights to request the Dealer or sales personnel to brief the vehicle operation instructions, maintenance requirements and proof of purchase invoice, service guarantees and battery warranty cards, duly sealed and signed from where the vehicle is purchased. It is mandatory to provide the proof of purchase and warranty card to the dealer to get your vehicle serviced or for battery servicing.

For any dispute arising out of words/commitments, Lectrix leaves the responsibility to the Dealers. Lectrix will supply spares only till the warranty period as per this book.

Warranty, other than that mentioned in this book, communicated orally, written or given in any other form by any means, is invalid.



B

BENEFITS GUIDE

Vehicle Maintenance Schedule

	Free Service	Free Service	Free Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service
Inspection Details	30 days or 900 km	90days or 2,500 km	180 days or 5,000 km	270 days or 7,500 km	360 days or 10,000 km	450 days or 12,500 km	540 days or 15,000 km	630 days or 17,500 km	720days or 20,000 km	810 days or 22,500 km	900 days or 25,000 km	990 days or 27,500 km	1080 days or 30,000 km
	whichever is earlier from date of purchase												
Service Date													
Card Number													
VISUAL EXAMINATION													
Plastic parts - scratches and damages	I	I	I	I	I	I	I	I	I	I	I	I	I
Lighting system - scratches and damages	I	I	I	I	I	I	I	I	I	I	I	I	I
Tyre (Check wear marking)	C	C	C	C	C	CR	CR	CR	CR	CR	CR	CR	CR
Tyre pressure F&R	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Check all bolts, nuts and screws - tighten if required. Check wheel runout.	CA	CA	CA	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR
Clean the E-scooter externally with dry and soft cloth	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL

C - Check | CA - Check and Adjust | CL - Clean | CR - Check and Replacement | I - Inspection, Offer for replacement, replacement on customer confirmation

Vehicle Maintenance Schedule

	Free Service	Free Service	Free Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service
Inspection Details	30 days or 900 km	90days or 2,500 km	180 days or 5,000 km	270 days or 7,500 km	360 days or 10,000 km	450 days or 12,500 km	540 days or 15,000 km	630 days or 17,500 km	720days or 20,000 km	810 days or 22,500 km	900 days or 25,000 km	990 days or 27,500 km	1080 days or 30,000 km
	whichever is earlier from date of purchase												
Functional Examination													
Motor Operation	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Operation of all locks	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Check all the lights, horn, display indicators & switches	CA	CA	CA	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR
Both brake Cables	CA	CA	CA	CA/CR	CA/CR if wear or Rust	CA/CR if wear or Rust	CA/CR if wear or Rust	CA/CR if wear or Rust	CA/CR if wear or Rust	CA/CR if wear or Rust	CA/CR if wear or Rust	CA/CR if wear or Rust	CA/CR if wear or Rust
Rear & Front brake operation(Check & Set Brake Play)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Movement of wheel & their free operation	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Check throttle for free operation(Check & Throttle Play)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Front & rear suspension functions	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Movement of handle bar(Lock Nut)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Check front & rear axle bearings	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Check Free movement of front handle bar, adjust if required	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Check Fr & Rr Suspension system (Shock absorber) for proper Operation and Oil Leakage	CA	CA	CA	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR
Main Stand Operation	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Side Stand Operation	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Start the vehicle on main stand and check smooth functionality of all parts	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA

Vehicle Maintenance Schedule

	Free Service	Free Service	Free Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service
Inspection Details	30 days or 900 km	90days or 2,500 km	180 days or 5,000 km	270 days or 7,500 km	360 days or 10,000 km	450 days or 12,500 km	540 days or 15,000 km	630 days or 17,500 km	720days or 20,000 km	810 days or 22,500 km	900 days or 25,000 km	990 days or 27,500 km	1080 days or 30,000 km
	whichever is earlier from date of purchase												
Internal Examination													
Wiring cut/damages	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
Battery Buldge/ Damage	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
Battery loop cable connections	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
MCB Connections	CA	CA	CA	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR	CA/CR
Electrical couplers & joints	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
Health of Motor & Battery Cables (any melting/lose connection)	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
Special Charactertics Measure													
Battery full charge voltage (volts)	C	C	C	C	C	C	C	C	C	C	C	C	C
Battery capacity (Ah)	C	C	C	C	C	C	C	C	C	C	C	C	C
Range per charge	C	C	C	C	C	C	C	C	C	C	C	C	C
Charging time	C	C	C	C	C	C	C	C	C	C	C	C	C
No load Current	C	C	C	C	C	C	C	C	C	C	C	C	C
No load Motor RPM	C	C	C	C	C	C	C	C	C	C	C	C	C
Maximum Current	C	C	C	C	C	C	C	C	C	C	C	C	C
Battery Maintenance*	C	C	C	C	C	C	C	C	C	C	C	C	C

C - Check | CA - Check and Adjust | CL - Clean | CR - Check and Replacement | - Inspection, Offer for replacement, replacement on customer confirmation

Vehicle Maintenance Schedule

	Free Service	Free Service	Free Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service	Paid Service
Inspection Details	30 days or 900 km	90days or 2,500 km	180 days or 5,000 km	270 days or 7,500 km	360 days or 10,000 km	450 days or 12,500 km	540 days or 15,000 km	630 days or 17,500 km	720days or 20,000 km	810 days or 22,500 km	900 days or 25,000 km	990 days or 27,500 km	1080 days or 30,000 km
	whichever is earlier from date of purchase												
Safety and Special Examination													
Hall Effect sensor examination - 3 pulses are coming or not /R&D to give pulse indicators	C	C	C	C	C	C	C	C	C	C	C	C	C
Motor area examination, wire short, melting, fusing etc	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
Controller examination for connector pins	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
DC-DC convertor examination for connector pins	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
Battery Li-Ion - any abnormal smell or white gas while charging. Charging to be done at an isolated location with no igniting material around	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
Vehicle Washing	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL

C - Check | CA - Check and Adjust | CL - Clean | CR - Check and Replacement | I - Inspection, Offer for replacement, replacement on customer confirmation

General Instruction To The Lectrix Authorised Dealer

- ❖ Clean the e-scooter externally with dry and soft cloth.
- ❖ Check the front and rear brakes and adjust if required.
- ❖ Check throttle for free operation.
- ❖ Check all the lights, horn, display indicators and switches.
- ❖ Check and ensure correct tyre pressure in front and rear wheels.
- ❖ Check front and rear axle bearings.
- ❖ Check free movement of the front handle bar, adjust if required.
- ❖ Check smooth operation and functioning of all the locks with the starting key.
- ❖ Check front and rear suspension system (Shock absorber) for proper operation.
- ❖ Check the harness for any short circuit, open circuit, any loose connections.
- ❖ Test the hub motor and ensure proper functioning.
- ❖ Test the controller and ensure proper functioning.
- ❖ Test the battery and charger to ensure proper functioning.
- ❖ Check all nuts, bolts and screws, tighten if required.
- ❖ Start the vehicle on main stand and check smooth functionality of all parts.
- ❖ Take a test drive and ensure proper functioning of the e-scooter. Clean the e-scooter and handover to the customer.

WARRANTY CARD

CUSTOMER COPY

MODEL NAME _____

REGISTRATION NUMBER _____

OWNER NAME _____

ADDRESS _____

CITY _____ STATE _____

PIN _____

MOBILE NUMBER _____

SOLD ON (DD/MM/YYYY) _____ DATE _____

INVOICE NUMBER _____

VIN/FRAME NO. _____

MOTOR NO. _____

DC TO DC CONVERTOR NO. _____

BATTERY NO. _____

CHARGER NO. _____

CONTROLLER NO. _____

*I hereby confirm the warranty terms and conditions have been explained to me.
I agree to use this vehicle as per the terms and conditions.*

SIGN & SEAL OF DEALER

CUSTOMER'S SIGNATURE

WARRANTY CARD

DEALER COPY

MODEL NAME _____

REGISTRATION NUMBER _____

OWNER NAME _____

ADDRESS _____

CITY _____ STATE _____

PIN _____

MOBILE NUMBER _____

SOLD ON (DD/MM/YYYY) _____ DATE _____

INVOICE NUMBER _____

VIN/FRAME NO. _____

MOTOR NO. _____

DC TO DC CONVERTOR NO. _____

BATTERY NO. _____

CHARGER NO. _____

CONTROLLER NO. _____

*I hereby confirm the warranty terms and conditions have been explained to me.
I agree to use this vehicle as per the terms and conditions.*

SIGN & SEAL OF DEALER

CUSTOMER'S SIGNATURE

1st FREE SERVICE COUPON

30 days or 900 kms, whichever comes earlier, after the date of sale

NO.:

VIN NO.

MODEL

SERVICED ON

**SERVICING DEALER
STAMP & SIGN**

SERVICE COUPONS

30 days or 900 kms, whichever comes earlier, after the date of sale

REG. NO.

VIN NO.

MODEL

LXS

DATE OF SALE

DATE OF SERVICE

KMS COVERED

SELLING DEALER
CODE

SERVICING DEALER
CODE

I certify that the job mentioned overleaf has been complete LXS vehicle to my complete satisfaction.

CUSTOMER
SIGNATURE

SERVICING DEALER
STAMP & SIGN

1st FREE SERVICE COUPON

1st Service Instructions To Service Dealer

- ❖ Refer to the general instructions to service dealer on page 51.
- ❖ Battery check compulsory as given below.

Inspection Parameters	Value	Inspection Parameters	Value
Visual check (bulging/damage)		Vehicle speed (kmph)	
Full Charge Voltage (V)		No load current(A)	
Cut off Voltage(V)		Range per charge(km)	
Discharging Current (A)		Charging Current (A)	
Discharging Duration (Mins)		Charging time (minutes)	
Battery Capacity (Ah)			

- ❖ All the complaints registered by the customer should be fully resolved and verified before e-scooter delivery.
- ❖ Customer should not be charged for the replacement of any spares covered under the warranty.
- ❖ The cost of the consumables or spares that are not covered under the warranty should be paid by the customer.
- ❖ Free service should be done within 30 days or 900 kms, whichever comes earlier, after the date of sale.

SERVICE COUPONS

2nd FREE SERVICE COUPON

90 days or 2500 kms, whichever comes earlier, after the date of sale

NO.:

VIN NO.

MODEL

SERVICED ON

**SERVICING DEALER
STAMP & SIGN**

SERVICE COUPONS

90 days or 2500 kms, whichever comes earlier, after the date of sale

REG. NO.

VIN NO.

MODEL

LXS

DATE OF SALE

DATE OF SERVICE

KMS COVERED

SELLING DEALER
CODE

SERVICING DEALER
CODE

I certify that the job mentioned overleaf has been complete LXS vehicle to my complete satisfaction.

CUSTOMER
SIGNATURE

SERVICING DEALER
STAMP & SIGN

2nd FREE SERVICE COUPON

2nd Service Instructions To Service Dealer

- ❖ Refer to the general instructions to service dealer on page 51.
- ❖ Battery check compulsory as given below.

Inspection Parameters	Value	Inspection Parameters	Value
Visual check (bulging/damage)		Vehicle speed (kmph)	
Full Charge Voltage (V)		No load current(A)	
Cut off Voltage(V)		Range per charge(km)	
Discharging Current (A)		Charging Current (A)	
Discharging Duration (Mins)		Charging time (minutes)	
Battery Capacity (Ah)			

- ❖ All the complaints registered by the customer should be fully resolved and verified before e-scooter delivery.
- ❖ Customer should not be charged for the replacement of any spares covered under the warranty.
- ❖ The cost of the consumables or spares that are not covered under the warranty should be paid by the customer.
- ❖ Free service should be done within 90 days or 2500 kms, whichever comes earlier, after the date of sale.

SERVICE COUPONS

3rd FREE SERVICE COUPON

180 days or 5,000 kms, whichever comes earlier, after the date of sale

NO.:

VIN NO.

MODEL

SERVICED ON

**SERVICING DEALER
STAMP & SIGN**

SERVICE COUPONS

180 days or 5,000 kms, whichever comes earlier, after the date of sale

REG. NO.

VIN NO.

MODEL

LXS

DATE OF SALE

DATE OF SERVICE

KMS COVERED

SELLING DEALER
CODE

SERVICING DEALER
CODE

I certify that the job mentioned overleaf has been complete LXS vehicle to my complete satisfaction.

CUSTOMER
SIGNATURE

SERVICING DEALER
STAMP & SIGN

3rd FREE SERVICE COUPON

3rd Service Instructions To Service Dealer

- ❖ Refer to the general instructions to service dealer on page 51.
- ❖ Battery check compulsory as given below.

Inspection Parameters	Value	Inspection Parameters	Value
Visual check (bulging/damage)		Vehicle speed (kmph)	
Full Charge Voltage (V)		No load current(A)	
Cut off Voltage(V)		Range per charge(km)	
Discharging Current (A)		Charging Current (A)	
Discharging Duration (Mins)		Charging time (minutes)	
Battery Capacity (Ah)			

- ❖ All the complaints registered by the customer should be fully resolved and verified before e-scooter delivery.
- ❖ Customer should not be charged for the replacement of any spares covered under the warranty.
- ❖ The cost of the consumables or spares that are not covered under the warranty should be paid by the customer.
- ❖ Free service should be done within 180 days or 5,000 kms, whichever comes earlier, after the date

SERVICE COUPONS

4th PAID SERVICE COUPON

270 days or 7,500 kms, whichever comes earlier, after the date of sale

NO.:

VIN NO.

MODEL

SERVICED ON

**SERVICING DEALER
STAMP & SIGN**

SERVICE COUPONS

270 days or 7,500 kms, whichever comes earlier, after the date of sale

REG. NO.

VIN NO.

MODEL

DATE OF SALE

DATE OF SERVICE

KMS COVERED

SELLING DEALER
CODE

SERVICING DEALER
CODE

I certify that the job mentioned overleaf has been complete LXS vehicle to my complete satisfaction.

**CUSTOMER
SIGNATURE**

**SERVICING DEALER
STAMP & SIGN**

4th PAID SERVICE COUPON

4th Service Instructions To Service Dealer

- ❖ Refer to the general instructions to service dealer on page 51.
- ❖ Battery check compulsory as given below.

Inspection Parameters	Value	Inspection Parameters	Value
Visual check (bulging/damage)		Vehicle speed (kmph)	
Full Charge Voltage (V)		No load current(A)	
Cut off Voltage(V)		Range per charge(km)	
Discharging Current (A)		Charging Current (A)	
Discharging Duration (Mins)		Charging time (minutes)	
Battery Capacity (Ah)			

- ❖ All the complaints registered by the customer should be fully resolved and verified before e-scooter delivery.
- ❖ Customer should not be charged for the replacement of any spares covered under the warranty.
- ❖ The cost of the consumables or spares that are not covered under the warranty should be paid by the customer.
- ❖ Paid service should be done within 270 days or 7,500 kms, whichever comes earlier, after the date of sale.

SERVICE COUPONS

5th PAID SERVICE COUPON

360 days or 10,000 kms, whichever comes earlier, after the date of sale

NO.:

VIN NO.

MODEL

SERVICED ON

**SERVICING DEALER
STAMP & SIGN**

SERVICE COUPONS

360 days or 10,000 kms, whichever comes earlier, after the date of sale

REG. NO.

VIN NO.

MODEL

DATE OF SALE

DATE OF SERVICE

KMS COVERED

SELLING DEALER
CODE

SERVICING DEALER
CODE

I certify that the job mentioned overleaf has been complete LXS vehicle to my complete satisfaction.

**CUSTOMER
SIGNATURE**

**SERVICING DEALER
STAMP & SIGN**

5th PAID SERVICE COUPON

5th Service Instructions To Service Dealer

- ❖ Refer to the general instructions to service dealer on page 51.
- ❖ Battery check compulsory as given below.

Inspection Parameters	Value	Inspection Parameters	Value
Visual check (bulging/damage)		Vehicle speed (kmph)	
Full Charge Voltage (V)		No load current(A)	
Cut off Voltage(V)		Range per charge(km)	
Discharging Current (A)		Charging Current (A)	
Discharging Duration (Mins)		Charging time (minutes)	
Battery Capacity (Ah)			

- ❖ All the complaints registered by the customer should be fully resolved and verified before e-scooter delivery.
- ❖ Customer should not be charged for the replacement of any spares covered under the warranty.
- ❖ The cost of the consumables or spares that are not covered under the warranty should be paid by the customer.
- ❖ Paid service should be done within 360 days or 10,000 kms, whichever comes earlier, after the date

SERVICE COUPONS

6th PAID SERVICE COUPON

450 days or 12,500 kms, whichever comes earlier, after the date of sale

NO.:

VIN NO.

MODEL

SERVICED ON

**SERVICING DEALER
STAMP & SIGN**

SERVICE COUPONS

450 days or 12,500 kms, whichever comes earlier, after the date of sale

REG. NO.

VIN NO.

MODEL

DATE OF SALE

DATE OF SERVICE

KMS COVERED

SELLING DEALER
CODE

SERVICING DEALER
CODE

I certify that the job mentioned overleaf has been complete LXS vehicle to my complete satisfaction.

CUSTOMER
SIGNATURE

SERVICING DEALER
STAMP & SIGN

6th PAID SERVICE COUPON

6th Service Instructions To Service Dealer

- ❖ Refer to the general instructions to service dealer on page 51.
- ❖ Battery check compulsory as given below.

Inspection Parameters	Value	Inspection Parameters	Value
Visual check (bulging/damage)		Vehicle speed (kmph)	
Full Charge Voltage (V)		No load current(A)	
Cut off Voltage(V)		Range per charge(km)	
Discharging Current (A)		Charging Current (A)	
Discharging Duration (Mins)		Charging time (minutes)	
Battery Capacity (Ah)			

- ❖ All the complaints registered by the customer should be fully resolved and verified before e-scooter delivery.
- ❖ Customer should not be charged for the replacement of any spares covered under the warranty.
- ❖ The cost of the consumables or spares that are not covered under the warranty should be paid by the customer.
- ❖ Paid service should be done within 450 days or 12,500 kms, whichever comes earlier, after the date

SERVICE COUPONS

Service History Record

Service No.	Type of Service	Service Date	Kms at Service	Dealer's Servicing Signature
7.				
8.				
9.				
10.				
11.				
12.				
13.				

