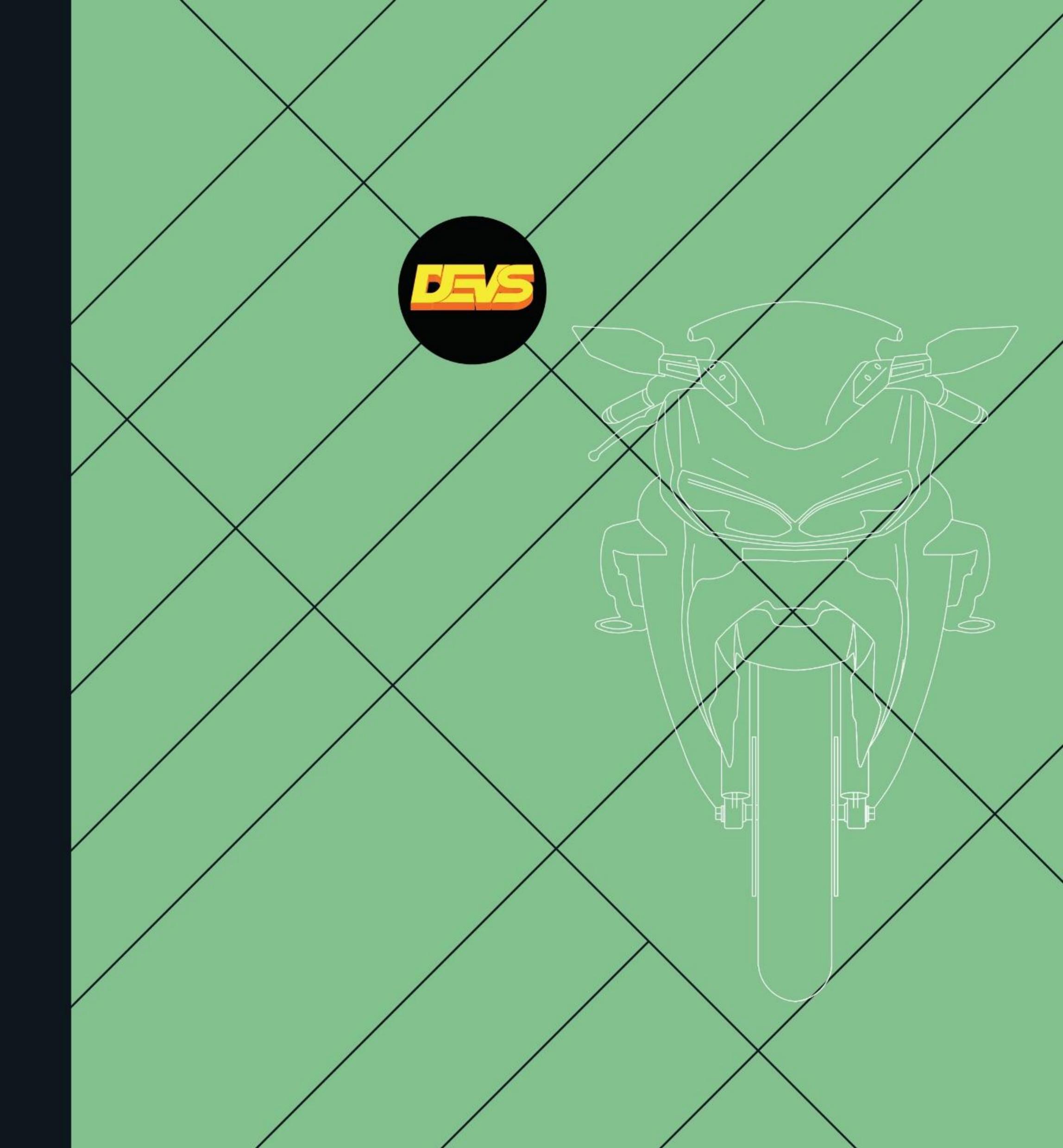
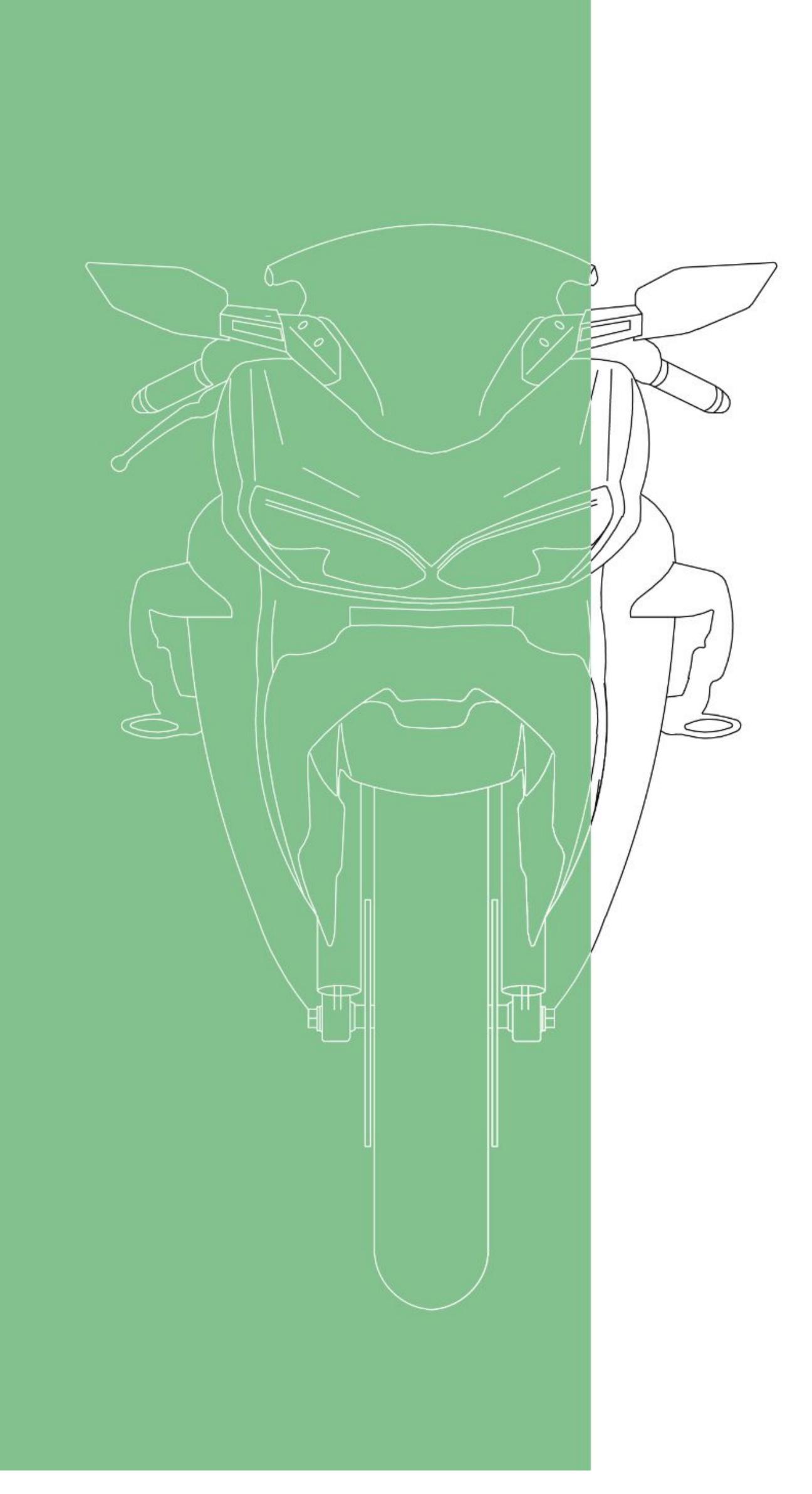
ELECTRIC MOTORCYCLE





Thank you for purchasing your DEVS Type 701.

These operating instructions correspond to the date of printing and are the latest version of the series. It is not possible to exclude minor deviations that arise from further design developments.

All data contained herein are non-binding. DEVS reserves the right in particular to change technical specifications, prices, colors, types, materials, services and service services, design, equipment and other, without notice and without giving any reason is free to remove, replace the local conditions as well as stop the production of a particular model without prior notice. It does not guarantee delivery, differences in illustrations and descriptions, or misprints and mistakes. No part of this publication may be reproduced without the relevant prior written permission. The illustrations used in this use and maintenance manual may not exactly match your vehicle.

This manual and the original delivery protocol must stay with the vehicle at all times. If you choose to sell your 701, please pass it to the new owner.

PARTING YOUR 701

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SAFETY WARNINGS

Read this user manual carefully before riding this motorcycle!

For the safe handling of the motorcycle, observe these safety instructions in the operating instructions and carefully read this manual.

The motorcycle is designed and homologated to the highest standards for road traffic. It is not designed for field use or racing. Please pay attention to the warning labels when touching or disconnecting elements. They are seen for example on the battery charger, battery box and other high voltage areas.

It is forbidden to remove any equipment or parts of the motorcycle. Any manipulation of the wiring of the motorcycle outside an authorized service center is prohibited. It is forbidden to use the motorcycle in an unattended condition. It is forbidden to replace parts of the motorcycle with parts not approved by the manufacturer.

Do not operate the motorcycle under the influence of alcohol, drugs or medication. Do not operate the motorcycle when you are not physically fit and able. Be highly visible at all times. Follow the road rules.

The motorcycle is designed to carry you and one passenger. When you carry a load or passenger it can affect the stability and handling. Always ride at reduced speeds and observe the limits when carrying loads.

Wear protective clothing, such as a helmet, gloves, suitable boots, trousers and protectors with each ride. Use protective clothing that is in perfect condition and complies with legal regulations.

For some operations, special tools need to be used. If you do not have these tools, contact an authorized service center. Components that cannot be reused after disassembly must always be replaced by new ones. Some screws require gluing, follow the manufacturer's instructions when working with them. Components that will be reused should be carefully checked and cleaned. After the service, you need to make sure the motorcycle is in perfect condition.

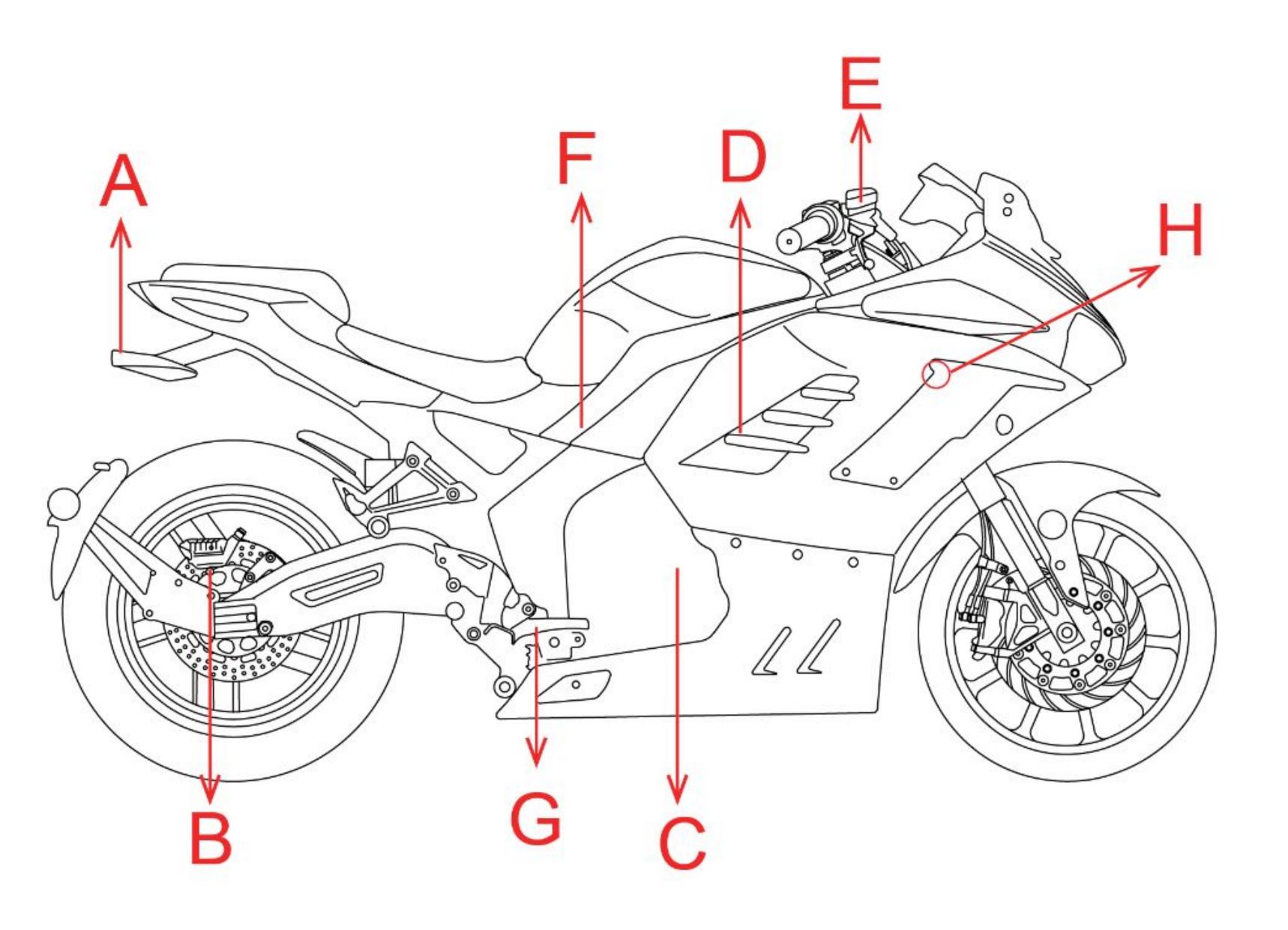
The standard warranty guarantee is covered by the terms and conditions. It will be voided by damage caused by actions contrary to these operating instructions.

For your safety, use only the spare parts supplied by DEVS. Damage arising from the use of third-party products is not a responsibility of DEVS. Removing or modifying your lights other equipment can also make your motorcycle illegal.

COMPONENT LOCATION

A. Rear turn signal LED light
B. Rear brake caliper
*C. Battery
*D. Integrated battery charger
E. Front brake lever and fluid reservoir
*F. 3-Phase motor controller
G. Rear brake pedal and fluid reservoir
H. Front turn signal LED light

*Located inside motorcycle



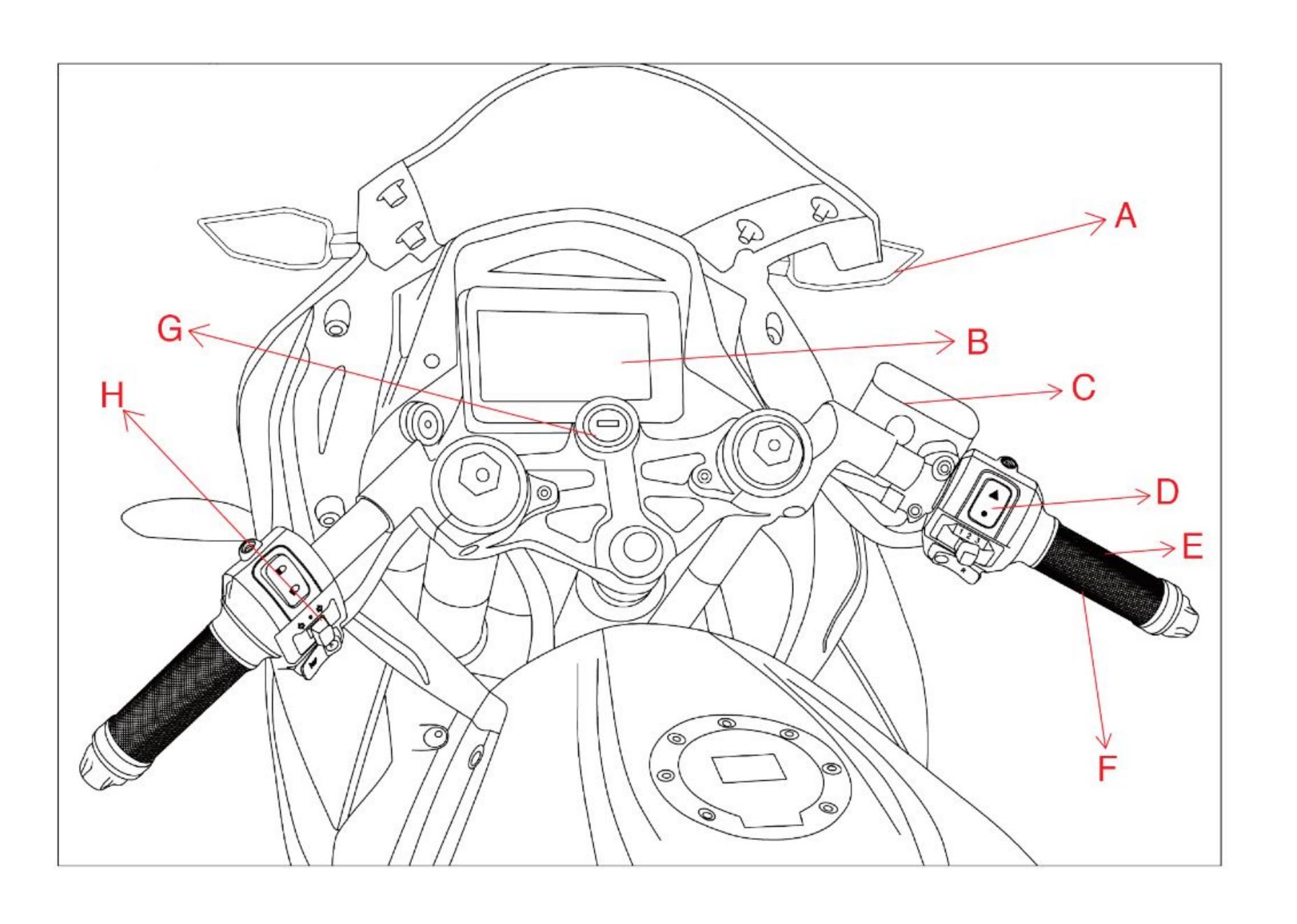
COMPONENT LOCATION

A. Mirrors

This motorcycle is equipped with convex mirrors. A convex mirror has a curved surface. Convex mirrors offer a greater field of view than a similar flat mirror. However, the greater field of view makes objects seem further away than they really are. Care must be used when judging the distance of objects seen in these mirrors.

B. TFT dash

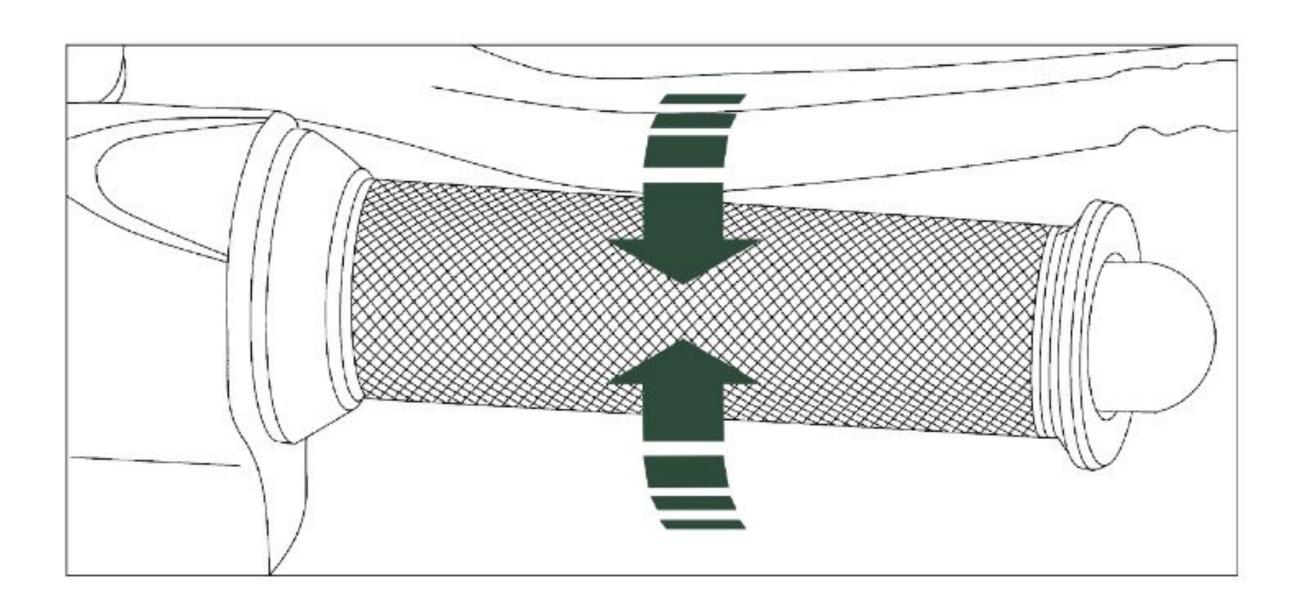
C. Front brake fluid reservoir
D. Right handlebar control switches
E. Front brake lever
F. Throttle control
G. Key switch/steering lock
H. Left handlebar control switches



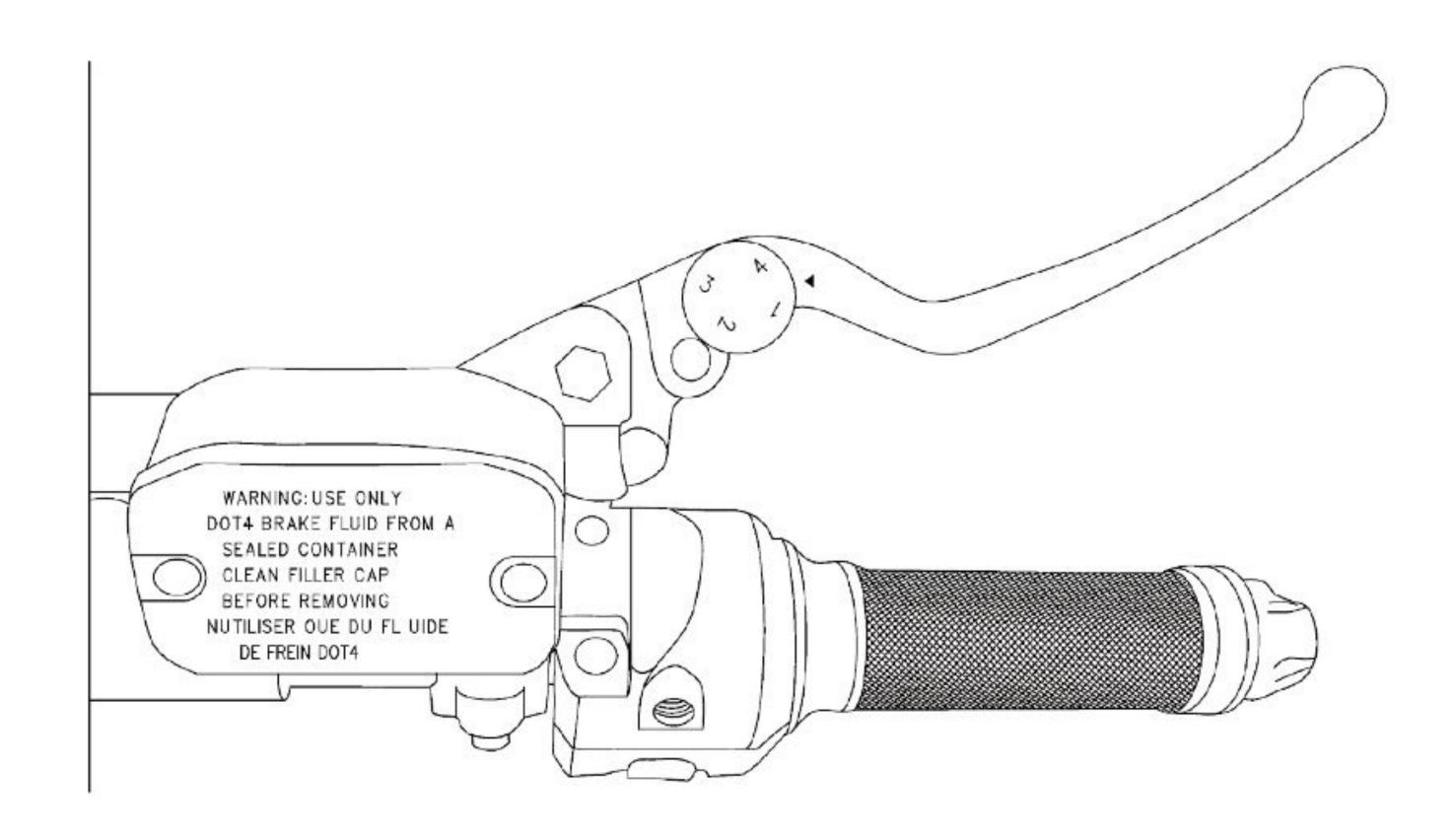
THROTTLE & BRAKE LEVER

A. Twist the throttle down towards yourself to energise the motor and start the motorcycle in a forward direction. Release the throttle and it automatically returns back to the closed position, which will engage regenerative braking while the motorcycle is in motion. When the motorcycle is moving and the throttle control is in the fully closed position, the regenerative braking feature also activates. A slight drag is felt when the regenerative braking is activated. If you want to coast without the regenerative braking, hold the throttle at a position just off the fully closed position.

B. The position of the front brake lever can be adjusted by turning the adjustment knob located on the pivoting end of the lever.



A. Throttle



B. Brake Lever

INSTRUMENTATION

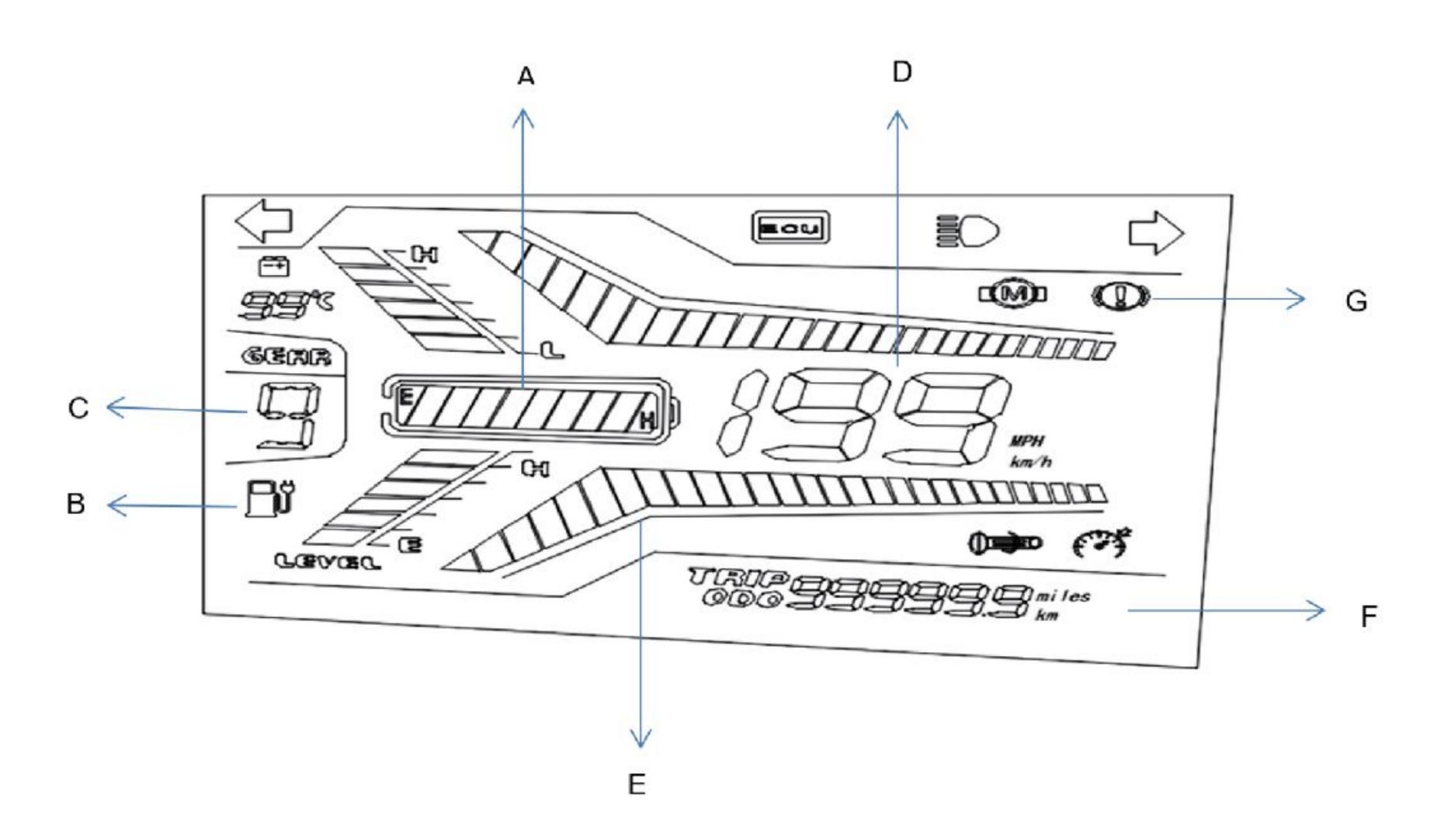
A. Battery gauge Indicates the volume of the battery. B. Charge indicator Displays the amount of energy remaining. C. Gear (mode P/1/2/3/R) Shows Parking or speed mode. D. Speedometer Displays the speed of the motorcycle. E. Power meter Indicates the amount of power being consumed while riding and the rate at which energy is generated during regenerative braking. F. Trip odometers A or B Displays the selected trip or the total distance the motorcycle has been ridden in kilometers. Use the button in the left corner to switch between

them.

G. Power off by kick stand

During first operation, indicates power of the

motorcycle is off when the kick stand is down.



CONTROLS

A· Headlight High/Low beam switch
B· Hazard signal light switch
When the switch is pressed, the turn signals
flash to warn other drivers of emergency
conditions.

C. Turn signal switch

D. Horn switch

When the key switch is in the ON position, the horn sounds when the horn button is pressed. Electric vehicles run quietly; the horn can be used to warn others.

E. Park mode switch

The motorcycle throttle does not operate in park mode.

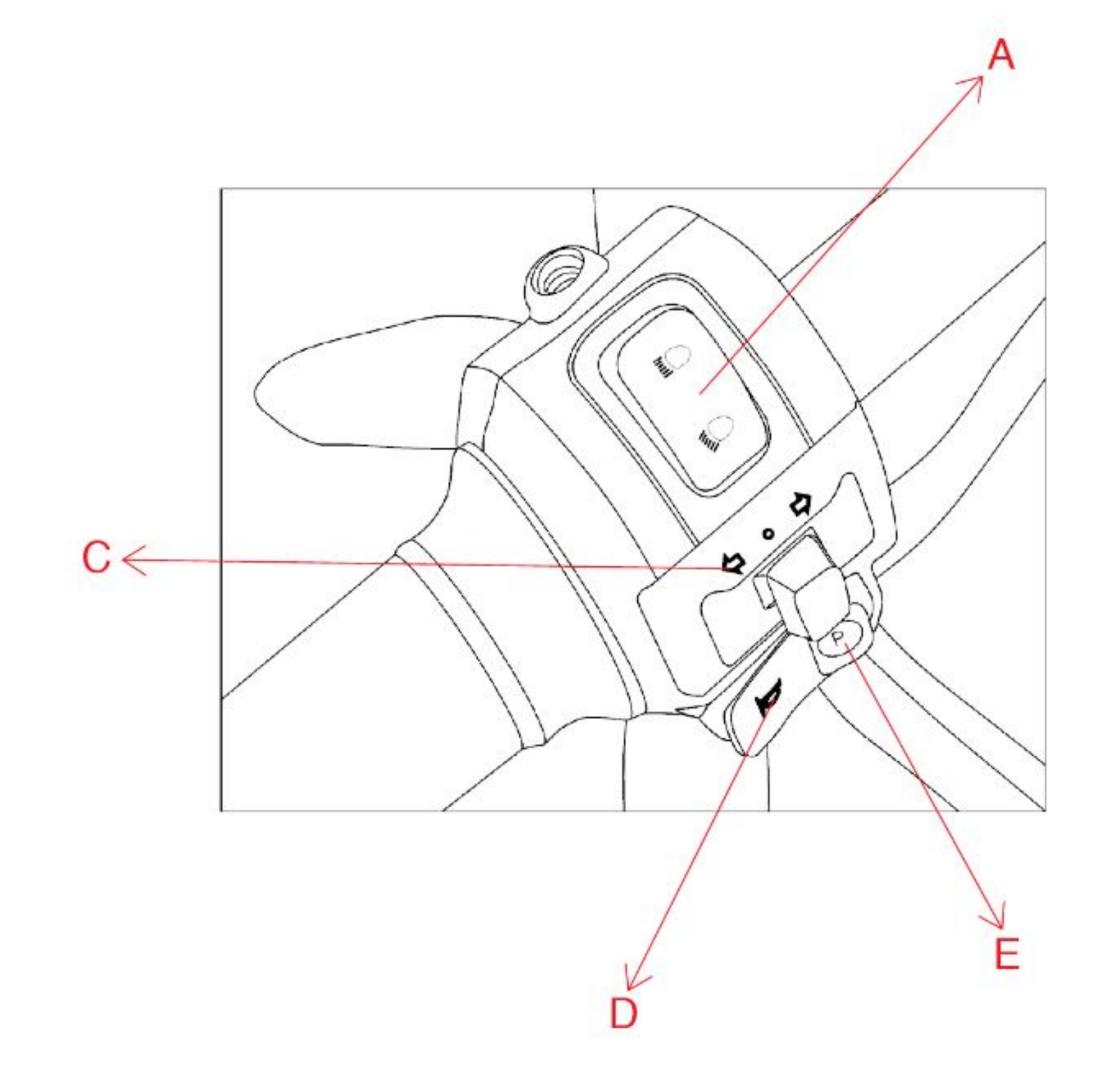
F. Reversing mode switch

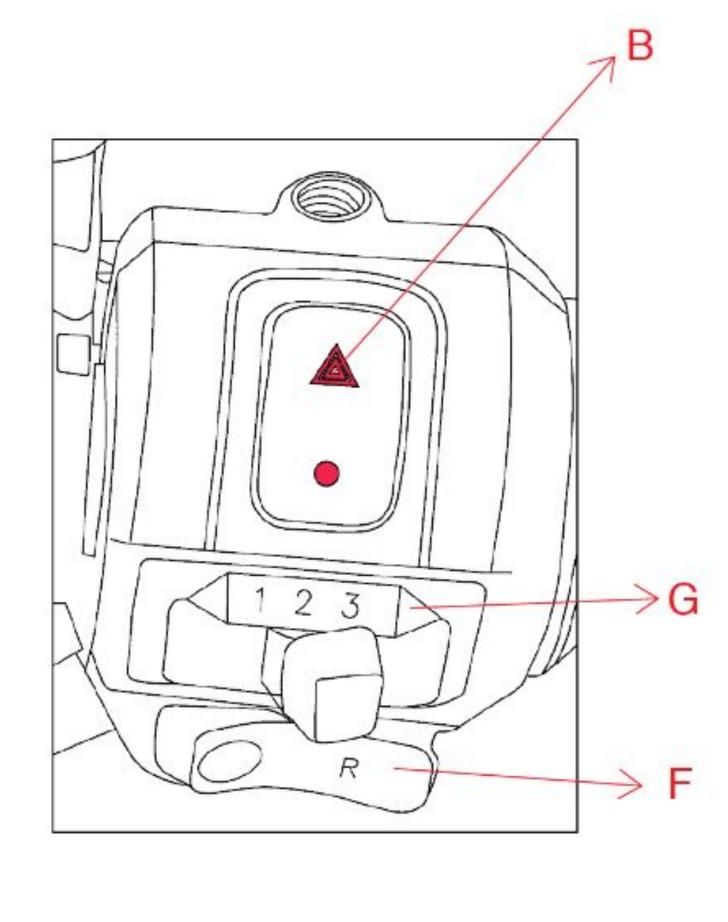
Hold the switch in and turn the throttle to

reverse the motorcycle.

G. Gear selector switch

Position 1 is for lowest speed and 3 for highest speed.





KEY, STEERING LOCK AND ALARM

The switch positions are as follows:

A. Steering Lock / B. OFF / C. ON

The key can be removed in either the OFF or steering lock position.

To engage the steering lock:

Turn the handlebar all the way to the <u>right</u>.
 With the key in the OFF position, push the key down and turn the key counter-clockwise.
 Remove the key.

To unlock the steering lock:

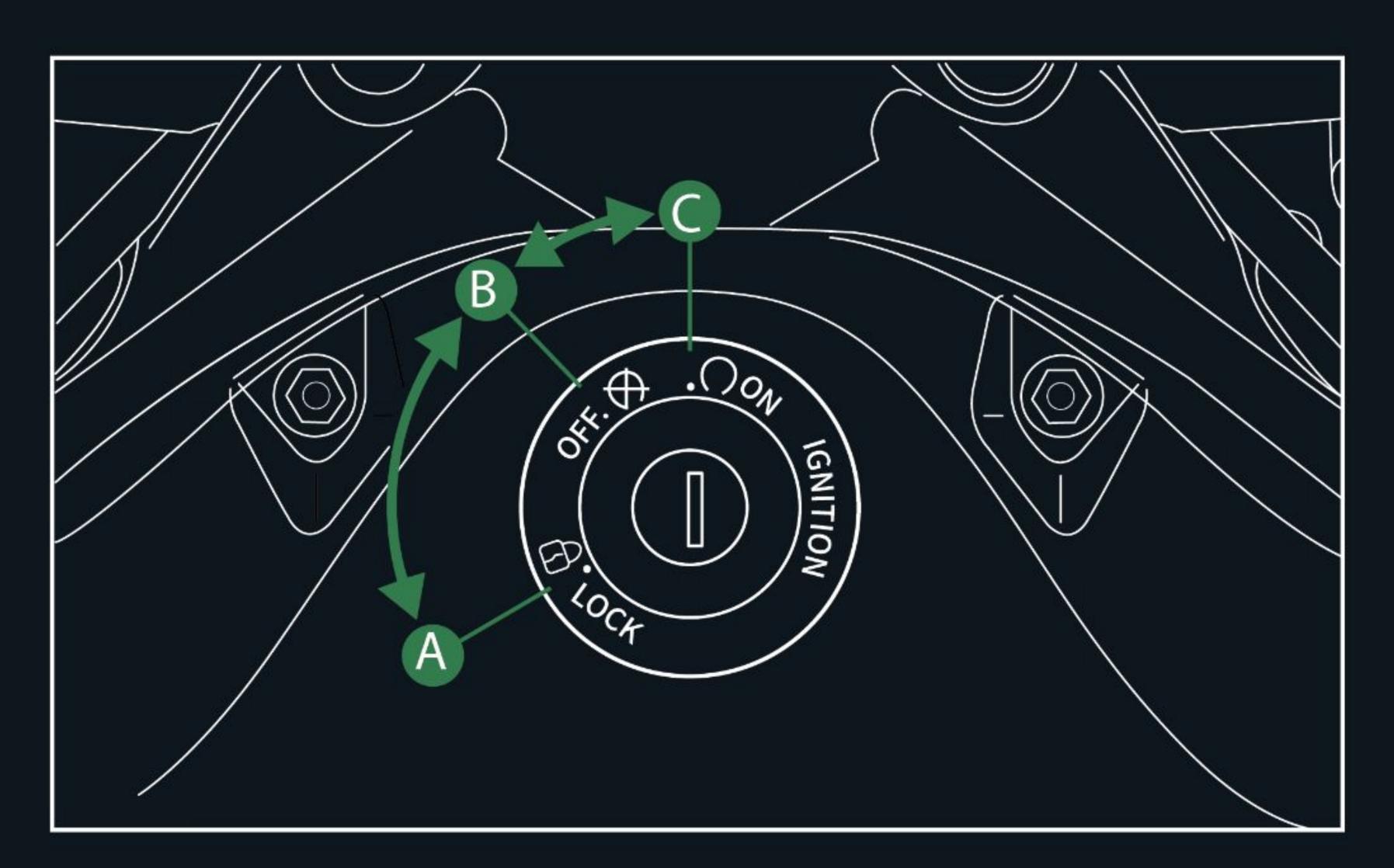
Install the key and turn clockwise.
 Remove the key.

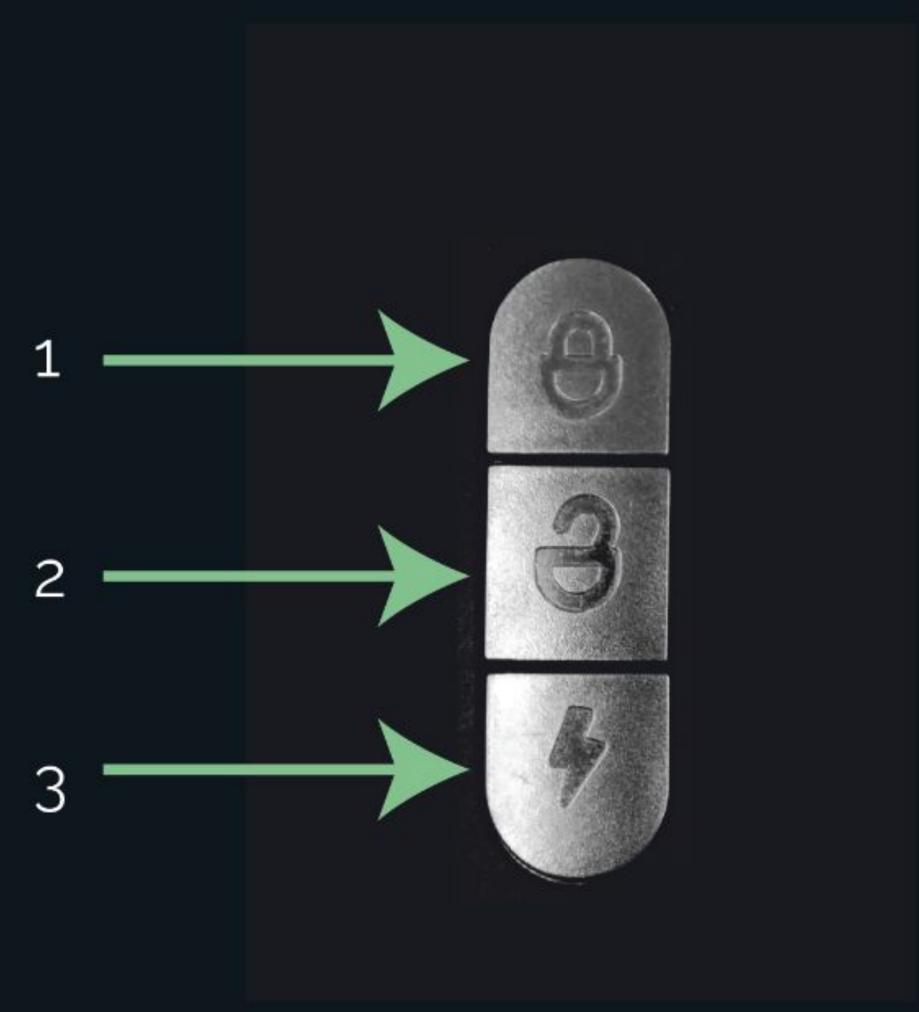
The remote control switches are defined as:

1. Activate alarm.

2. Deactivate alarm.

3. Remote start. Press twice within 2 seconds to turn ON. Press alarm deactivate (5) to turn OFF.





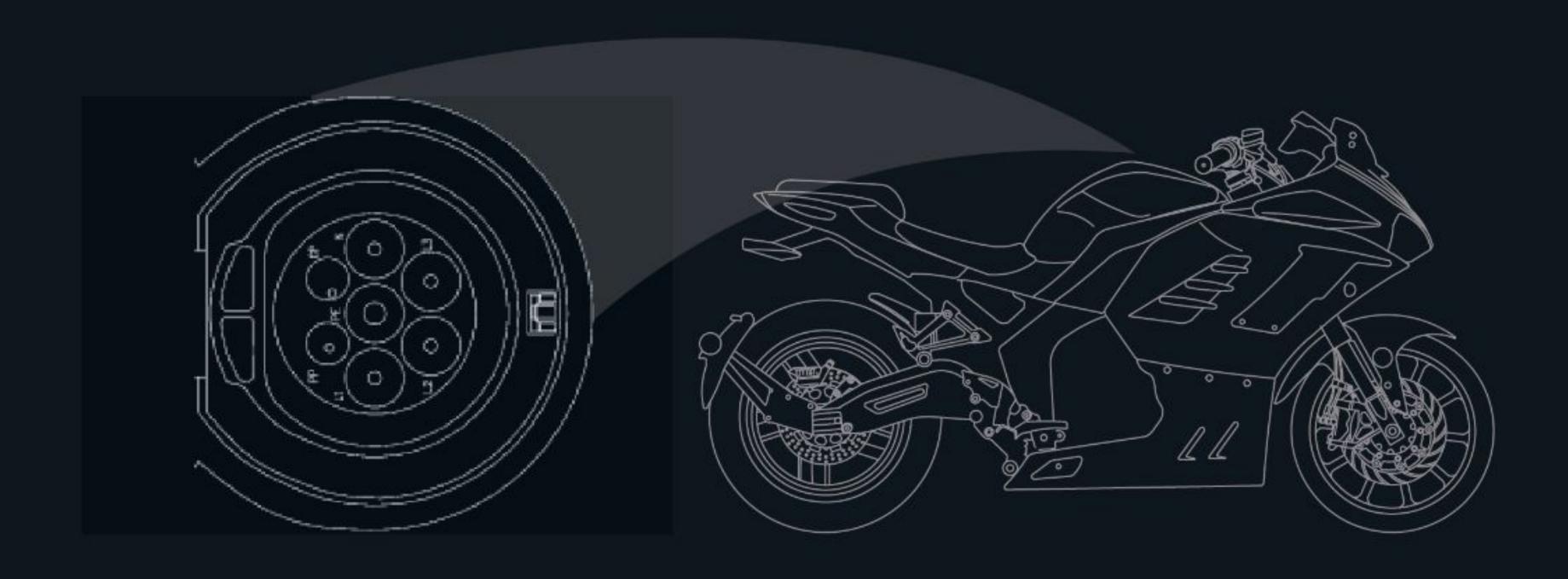
CHARGING THE BATTERY

Plug the Type 2 power lead into 230V local AC power supply. When the charger's lead is connected, a cooling fan will start after 5 seconds, warning that the charging process has started.

The standard 0-100% charging time, according to the time specified by the charger, is 4 hours. The ideal room temperature should be 25 ° C. In other environmental conditions, the duration of recharging may vary.

Charging is fully-automated and optimised by on-board electronics. When finished, the charger will cut off power from AC power automatically.

If the motorcycle has been stored for more than 30 days, turn the key switch to the ON position and back to the OFF position to exit long term storage mode. Then allow it to charge for 24 hours to ensure optimal battery balance is restored.





The operating range of the battery is 60V (0%) to 84V (100%) and the charging temperature range is 0C to 45C.



When recharging, put the motorcycle in a safe place that children cannot touch.



Always use a certified charger lead (UL or CE) and charge it in a dry and well ventilated environment.



Do not add electrical components to your motorcycle unless they have been approved by us.



If you are unsure of your charging equipment, contact us for assistance.

WHENTO CHARGE YOUR MOTORCYCLE

The optimum state to prolong the battery's life is a state of charge between 30% and 60%, which is the voltage range 67V to 75V.

Using up most of the capacity before recharging will prolong your battery's life by limiting the amount of time it spends parked at a high state of charge.

If you ride in hot weather (>35°C) or spend a majority of your ride at high speeds (80km/h), the power pack will benefit from allowing a few hours to cool off prior to recharging.

Never store your motorcycle at a low state of charge (below 30% SoC). Leaving the power pack at a low state of charge for a prolonged period could damage it and void your warranty.

If the power pack is fully discharged, it must be charged within 24 hours to prevent damage.

BATTERY SAFETY WARNINGS Observe these important points!

The lithium battery is a consumable item and the correct use method can extend its usable life to over 2000 cycles.

The motorcycle should be charged immediately after each use when the indicator indicates that the energy is less than 20%. When the battery charge is less than 20% it should not be stored, recharge it immediately.

When using the vehicle, try to avoid that the load drops to o% (protection status), this will accelerate the degradation and shorten its useful life.

All battery cells are controlled within 0.1V in their manufacturing process. During the first 10 cycles, the battery management system (BMS) will reduce this difference down to as low as 0.05V difference. Look at 'DeltaV' on the battery APP to see this figure for your battery.

Please note, it is possible during the first 10 cycles that one cell may not be balanced and could fall below its low voltage protection level when you apply high acceleration. If this happens, the vehicle's BMS will disconnect the battery. Turning the vehicle off and back on will reset the BMS and allow the vehicle to continue. Using more gentle acceleration during the first 10 cycles is recommended to avoid this problem.

When the vehicle is stopped for a long time, store it in a cool, dry place, away from combustible materials. When stored, the lithium battery should maintain a capacity between 50% and 75% and should be checked every 30 days.

If the battery is depleted, not recharged in time, or stored with a charge below 20%, it may cause degradation and therefore loss of warranty.

Care must be taken when installing or removing lithium battery packs to avoid shocks or drops.

If you find that the battery is deformed or broken, it should be immediately discontinued and placed in an open place away from people and materials.

It is dangerous to disassemble the lithium battery. Go to an official DEVS service. Please read the instructions carefully before charging the lithium battery.

When connecting the charger, make sure the charging plug is properly connected to the charging socket and secure. During charging, make sure the lithium battery and charger are fully vented.

PRE-DRIVING INSPECTION

The operator should check the vehicle by simple but thorough inspection to prevent the vehicle from serious consequence/accident.

1. Activate headlight, tail light and brake lights to verify operation. Check headlight aim.

2. Check rear seat is securely locked in place.

3. and 4. Activate indicators to test operation and warning light on instrument panel.

5. and 6. Inspect brake lines are without leaks and brake pads have adequate. You must be able to fully lock-up the wheels by applying the brakes.

7. Check side reflectors are not damaged.

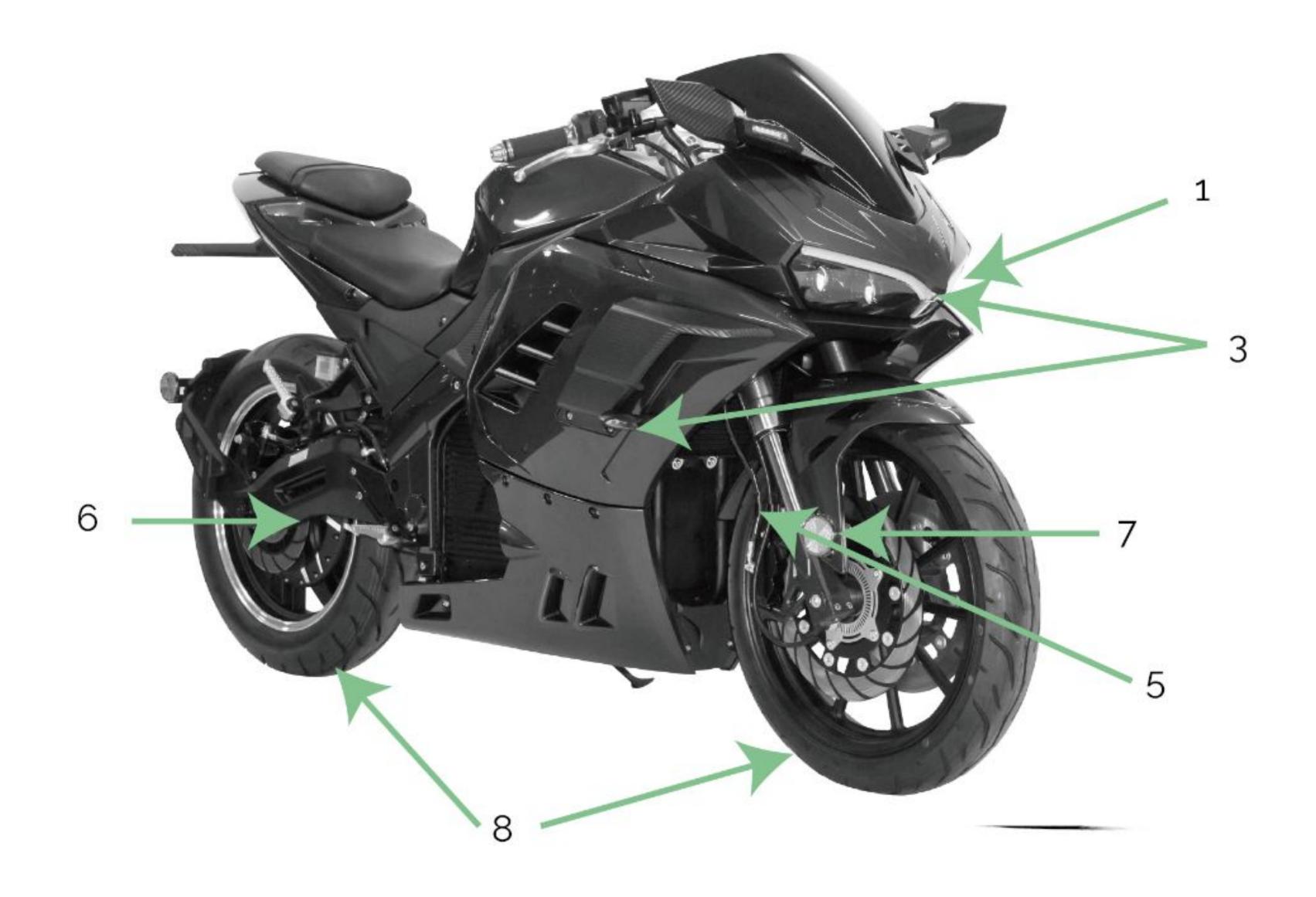
8. Verify tyres have correctly inflated COLD tyre pressures, have legally required tread depth and

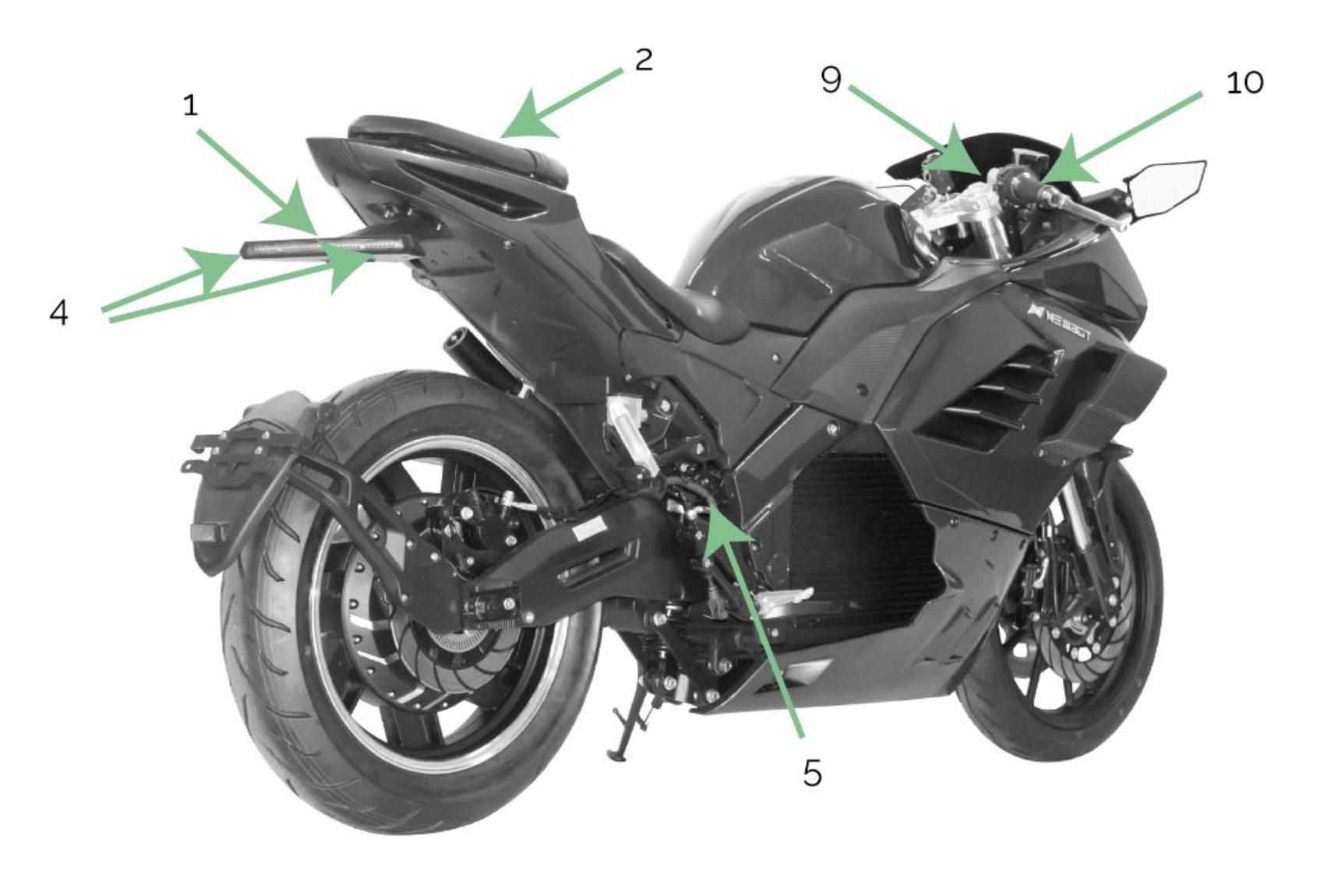
without damage. Under-inflation is a common

cause of tyre failure and loss of control!

9. Check that the battery is adequate for the expected distance.

10. With the key switch in the OFF position, twist the throttle grip to ensure it rotates smoothly and returns normally to its starting point.







OPERATION

Always perform the entire pre-ride checklist before riding as this can help you spot problems that could interfere with safe operation. Failure to follow this entire checklist before every ride can cause serious injury, and/or property damage to yourself and/or others.

STARTING

- · Sit on the motorcycle whilst it is still on the side stand. You may hold the handlebars to assist yourself. Set the mirrors so that you have a good view of what's happening around you.
- · Activate the ignition with the key. The headlights and instrumentation will activate.
- · Check the battery level is adequate for your journey.
- · Select reverse if needed by holding the reverse button. Reverse gear has limited power to make it easier to control.
- · Lift the side stand with your left foot.
- · Check the road is clear.
- · Accelerate by rotating the throttle towards you. Decelerate by rotating the throttle away from you. The throttle includes a safety spring that snaps the throttle back to end when released.
- · Always ride with a helmet, firmly secured to your head.

STOPPING

- · Release the throttle to end position.
- · Operate the brakes. When braking, always engage the rear brake first to retain maximum control of the scooter. Wet, oily, or sandy roads reduce braking effectiveness. Hard braking on these surfaces is dangerous.
- · If the electronic brake is activated, be aware that this will initiate extra rear wheel braking that must be compensated by applying less force on the brake lever.
- · After the vehicle is stopped turn off the ignition.
- · Lower the side stand with your left foot while holding the motorcycle upright. This will turn the rear brake light on.
- · Remove the key from the main switch.

RIDING TIPS

Take your first steps of riding in a safe and spacious area, especially if you are riding a motorcycle for the first time.

Hold the handlebar firmly with both hands, never release either hand from the handlebar unless absolutely necessary.

Do not accelerate when turning the motorcycle unless absolutely necessary.

Ride at the proper speed within safe margins.

If the ground is wet or slippery, you should slow down.

Obey the rules of the road and never exceed the speed limits.

RIDING TIPS

Use the motorcycle's brakes according to the road traffic conditions. Use the front and rear brake simultaneously and evenly, applying the pressure on both axles with the right and left levers.

The higher the speed, the greater the braking distance must be. Be sure to keep a safe distance between your motorcycle and other vehicles.

It is very dangerous to use only the front or rear brake, as the motorcycle may skid or lose control. You must be very careful when using the brake on wet roads and when cornering. Sudden braking on slippery or rough roads is extremely dangerous.

The motorcycle should be parked on level and firm ground. If the motorcycle needs to be parked on a slope, always point it uphill.

CARRING PASSENGERS AND CARGO

Overloading or improper loading can cause a crash in which you could be seriously hurt or killed. Observe load limits and loading guidelines in this manual.

Your motorcycle has been designed to carry you and only one passenger. When you carry a passenger or cargo, you may feel some difference during acceleration and braking.

Even if your motorcycle is properly loaded, you should ride at reduced speeds while carrying cargo.

If you change your normal load, you may need to adjust the suspension.

Distribute cargo weight evenly on both sides. We recommend using saddle bags or a top trunk. Contact us for the complete range of approved accessories.

ELECTRIC MOTORCYCLE RANGE

The range performance of an electric motorcycle is different from petrol-engine driven or human-powered vehicles and it's very important to understand how they work before riding. The range is largely influenced by the driver's weight and the additional load, weather conditions, road conditions, the way it's driven, the number of starts (e.g. on crossings), the condition of tyres (especially their inflation) and battery wear and tear. In extreme conditions, the range can be reduced to less than 50% of the indicated value.

IDEAL CONDITIONS

Flat terrain, constant speed, no full load, no head-wind, correct tire pressure, driver weight<70kg, no payload, approx. 20°C ambient temperature.



LOW SPEED HIGH SPEED

FLAT ROAD HILLY ROAD

FEW STOPS STOP AND GO

GENTLE ACCELERATING FAST ACCELERATING

LOW WEIGHT HIGH WEIGHT

WARM WEATHER COLD WEATHER

NO WIND HIGH WIND

CORRECT TYRES UNDER-INFLATED TYRES

SMOOTH, DRY ROAD GRAVEL WET ROAD

PART II MAINTAINING YOUR 701

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MAINTAINING YOUR MOTORCYCLE

Read this user manual carefully before riding this motorcycle!

Listed below, are the responsibilities of the owner:

- · This Owner's Manual should be considered a permanent part of this motorcycle and should remain with it even if the motorcycle is subsequently sold.
- · Perform routine care and maintenance of your electric motorcycle as detailed in this owner's manual.
- · Use only our approved parts and accessories.
- · The operator is responsible for learning and obeying all country, federal, state, and local laws governing the operations of an electric motorcycle.
- · Always wear a regionally-approved helmet, goggles, appropriate boots, and all other appropriate safety equipment when operating an electric motorcycle.

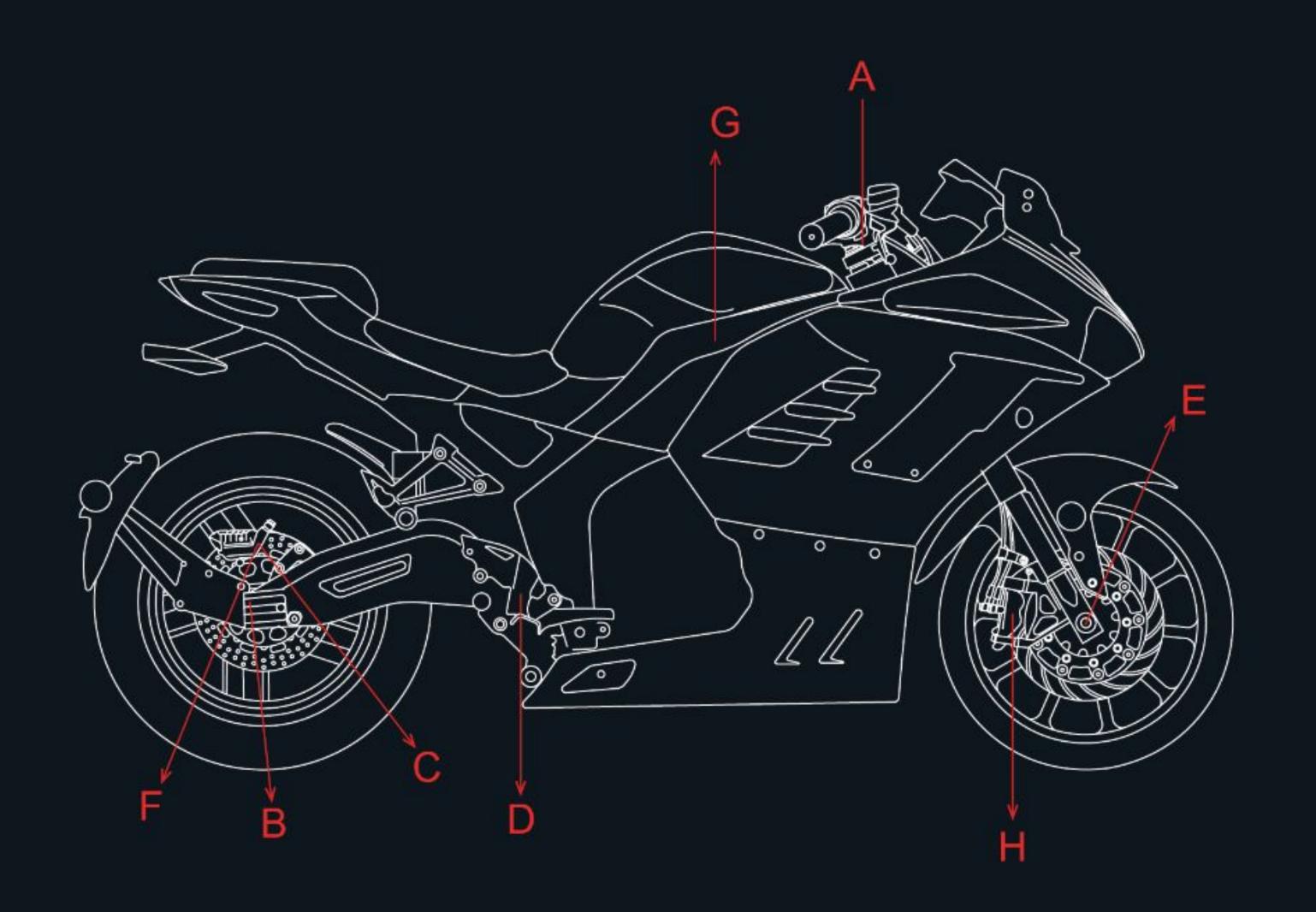
The required maintenance schedule, specifies how often you should have your motorcycle serviced and what items need attention. It is essential to have your motorcycle serviced as scheduled to maintain safe, dependable performance. After each scheduled service or routine is performed, record the information.

The service intervals in this maintenance schedule are based on average riding conditions. Some items will need more frequent service if you ride in unusually wet or dusty areas. It is recommended that you have your motorcycle serviced every 12 months regardless of the distance ridden.

Always charge your motorcycle's battery according to the guidelines in this manual.

Periodically check and tighten the following fasteners on your motorcycle.

Location	Item	Torque	Notes
Α	Upper/Lower triple clamps pinch bolts	16 lb·ft (22 Nm)	Use LOCTITE® 242® (or equivalent)
В	ROF arm bolts	20 lb·ft (27 Nm)	Use LOCTITE® 242® (or equivalent)
С	Rear brake caliper brake pad bolt	6.6 lb·ft (9 Nm)	Use LOCTITE® 242® (or equivalent)
D	Rear shock mount bolts	52 lb·ft (71 Nm)	
E	Front axle	40 lb·ft (54 Nm)	Use LOCTITE® anti-seize lubricant (or equivalent)
F	Rear brake master cylinder mount bolts	9 lb·ft (12 Nm)	Use LOCTITE® 242® (or equivalent)
G	Controller to controller carrier bolts	8 lb·ft (11 Nm)	Use LOCTITE® 242® (or equivalent)
Н	Front brake caliper mount bolts	30 lb·ft (41 Nm)	Use LOCTITE® 242® (or equivalent)



<u>(i)</u>

BRAKES

Read this user manual carefully before riding this motorcycle!

WARNING: Brake fluid is highly toxic - keep containers sealed and out of the reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.

WARNING: If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

WARNING: Do not ride the motorcycle if the brake fluid is below the LOWER level mark on either reservoir. Brake fluid MUST be added to the reservoir before riding.

WARNING: If the brake lever or pedal travel is unusually long, the feel is spongy or if there is any significant loss of brake fluid contact your Motorcycle Dealer. Riding under such conditions could result in extended stopping distances or complete brake failure.

CAUTION: Only use new fluid from an airtight container. Fluid from open containers or fluid previously bled from the system will have absorbed moisture, which will adversely affect performance and must not be used.

CAUTION: Brake fluid will damage plastic or painted surfaces. Soak up any spillage with an absorbent cloth immediately and wash the area with a mixture of car soap and water.

Your motorcycle is equipped with separate front and rear hydraulic braking systems each with their own fluid reservoir. The fluid level in the reservoirs may drop slightly during normal use, as a result of brake pad wear, but should not be allowed to drop below the LOWER mark.

Your motorcycle is equipped with ABS. It is only possible to bleed the brake system manually if fluid still remains in the HCU (Hydraulic Control Unit). Bleeding a dry HCU will require an evacuation and fluid fill machine.

Brake fluid must be replaced every 12 months regardless of the distance the motorcycle has been ridden. It is recommended that this procedure is carried out by an approved garage.

WARNING: The rear shock absorber assembly contains highly pressurized gas.

- · Do not attempt to tamper with or open the cylinder or shock.
- · Do not subject the shock to high temperature or open flame.

Doing either of the above actions can cause the cylinder or shock to explode causing personal injury or death.

BRAKE FLUID RESERVOIRS

A. The level of the front brake fluid is visible through the reservoir.

B. The rear reservoir is located inboard on the frame above the motor on the right hand side of the motorcycle.

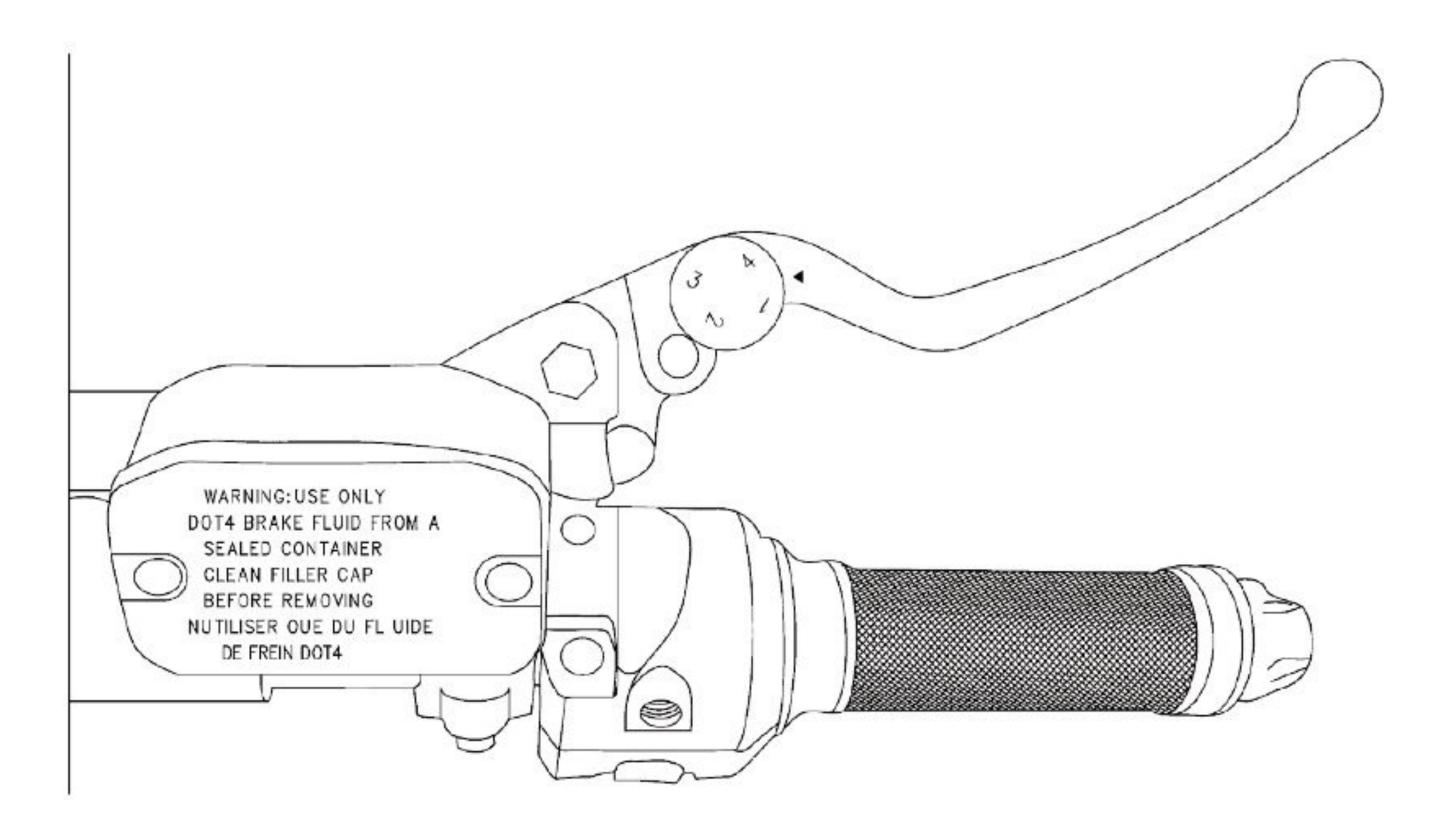
If the fluid level is below the LOWER level mark, add brake fluid as follows:

1. Clean any dirt or debris from around the reservoir cap before opening the reservoir.

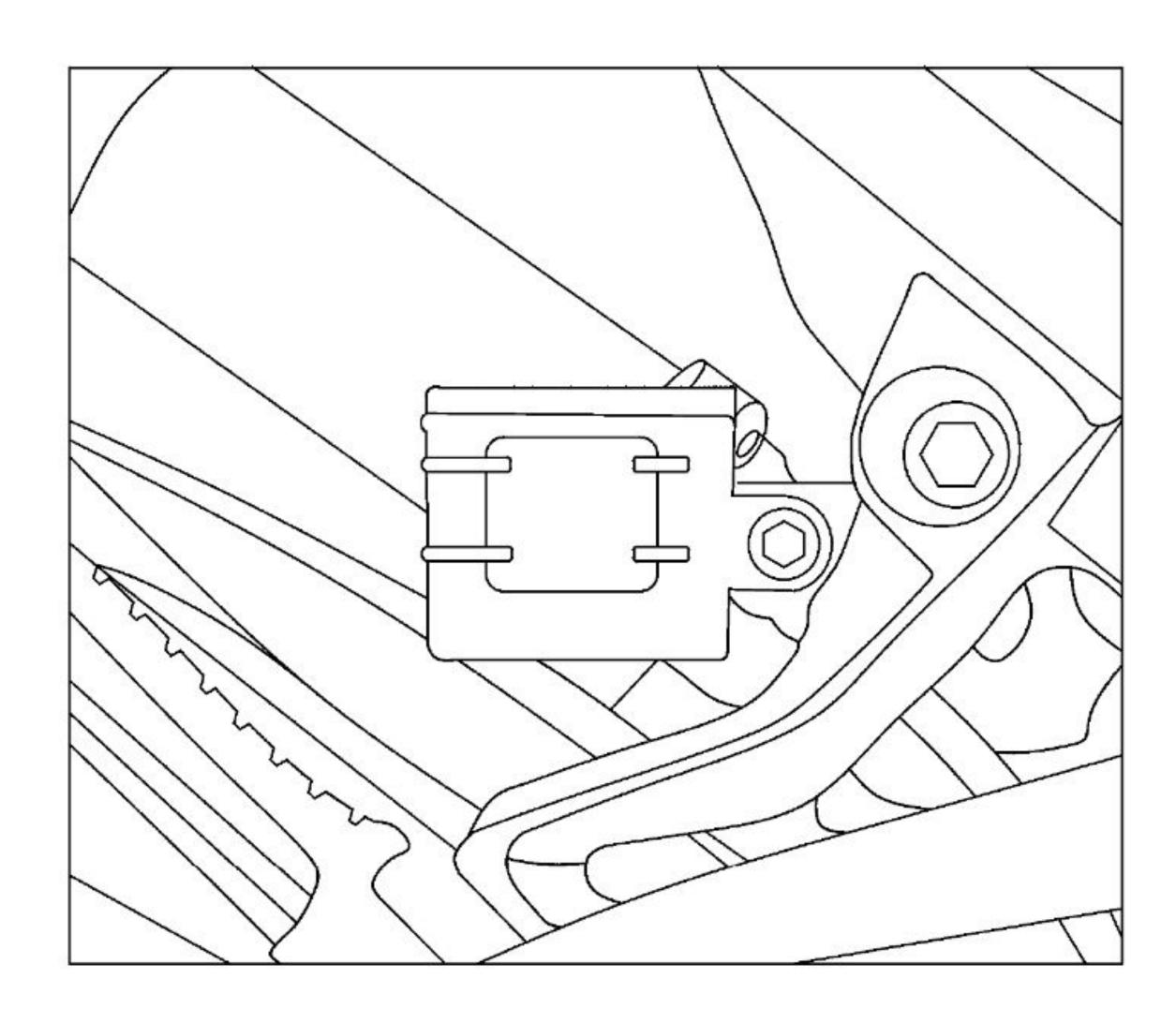
Place a towel below the reservoir to absorb any spilled fluid.

- 2. Unscrew and remove the reservoir cap.
- 3. Add new brake fluid to the UPPER level mark. Overfilling will cause fluid leakage while riding.
- 4. Inspect the cap seal ensuring that it is free of any wear or damage then reinstall it.

Note: The motorcycle should be in an upright position prior to checking fluid levels.



A. Front Brake Fluid Reservoir



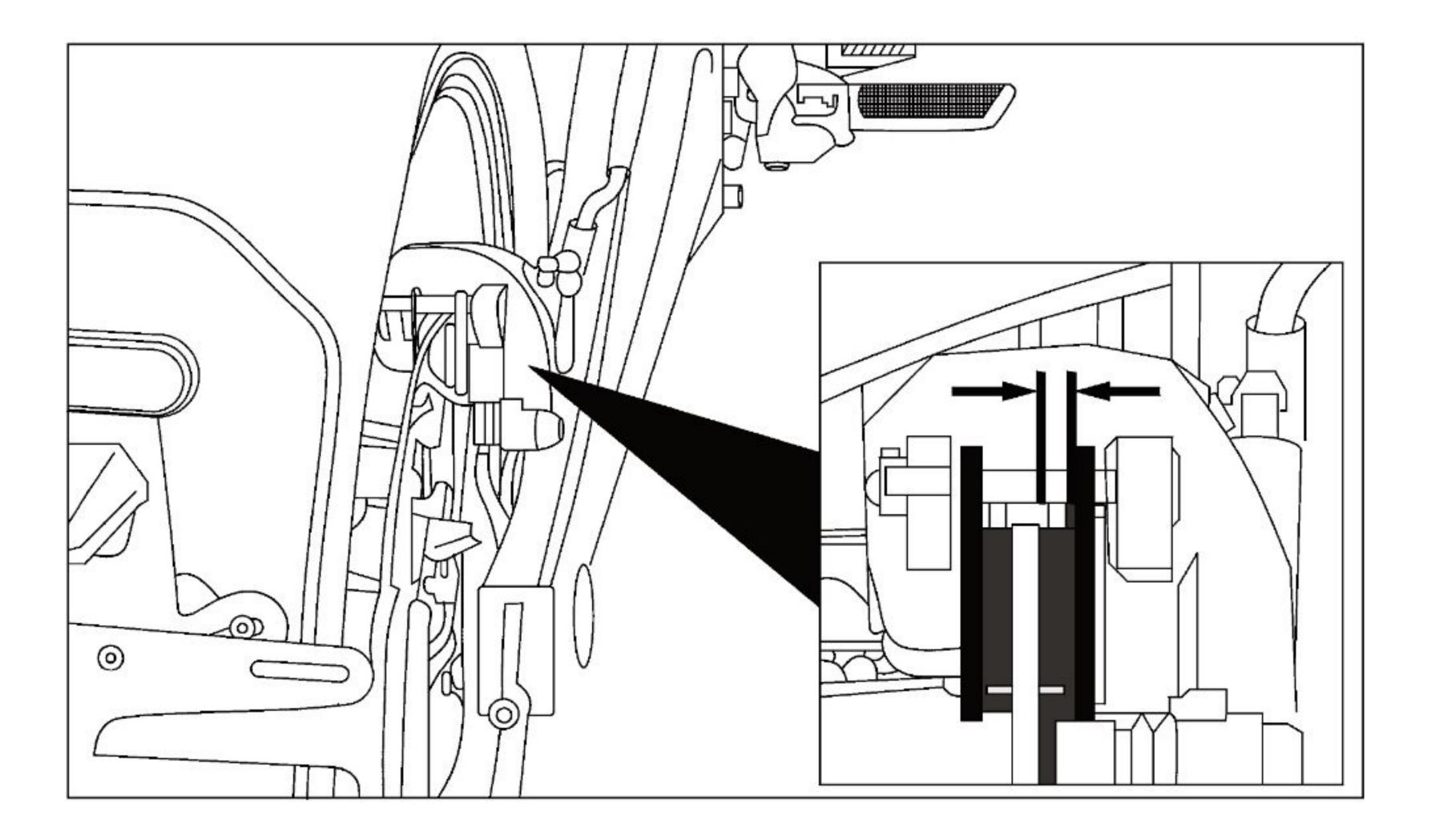
B. Rear Brake Fluid Reservoir

BRAKE PAD AND DISC

The brake pads and rotors must be inspected as specified in the maintenance schedule.

A. Determine the condition and remaining brake pad material thickness by inspecting the pads through the sides of the brake caliper. Replace the brake pads if either pad's thickness is less than 1 mm.

The thickness of the brake discs should be checked regularly. Replace brake disc rotor immediately, if less than minimum thickness.



A. Brake Pad Inspection

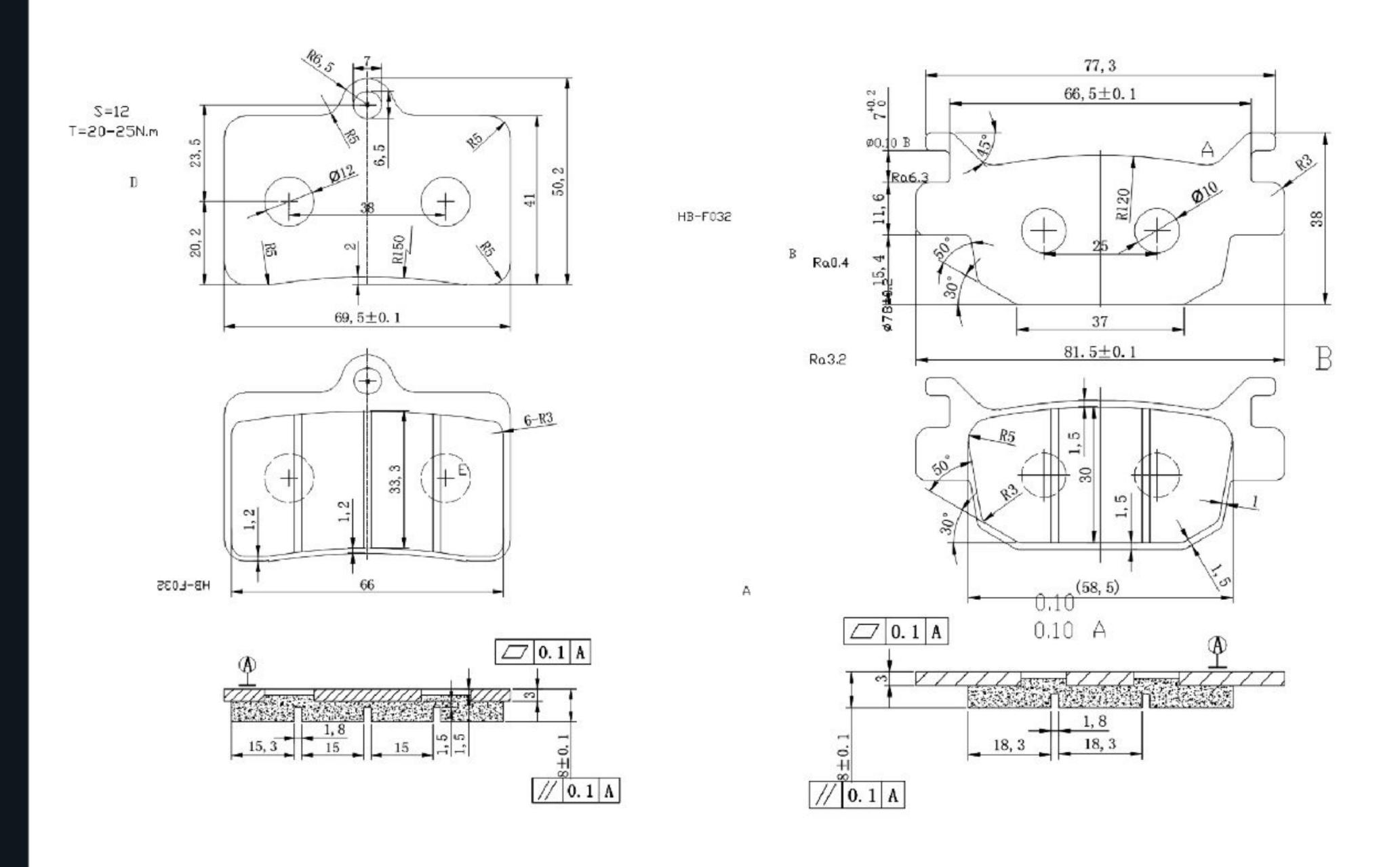
Rotor	Measurement
Front	4.5 mm
Rear	4.0 mm

B. Brake Rotor Disc Inspection

BRAKE PADS

Bedding in the brakes is a process of depositing an even layer of pad material on the surface of the brake disc. This is recommended to ensure proper brake performance and maximise brake life. Proper bedding improves brake pedal/lever feel and reduces or eliminates brake squeal.

WARNING: With new brake systems or just new pads, the first few braking applications will result in very little braking power. Gently use the brakes a few times at low speeds (less than 40 km/h] to develop proper braking friction.



A. Front Brake Pads

B. Rear Brake Pads

(ABS) ANTI-LOCK BRAKING SYSTEM (ABS) Observe these important points!

ABS prevents the wheels from locking, therefore maximising the effectiveness of the braking system in emergencies and when riding on slippery surfaces. The potentially shorter braking distances ABS allows under certain conditions are not a substitute for good riding practices!

Carefully ride your motorcycle around corners. If applying the motorcycle's brakes while cornering, the ABS cannot counteract the weight transfer and force. Doing so, can create unsafe riding conditions. Some riding conditions and environments may reduce the effectiveness of the ABS and require stopping distances equivalent to those of a motorcycle without ABS.

When the motorcycle is stationary and the key is turned to the ON position, it is normal for the ABS warning indicator on the dash to illuminate. The indicator will remain on until the system detects the motorcycle's speed on both wheels exceeds 5 km/h, after which will stay off until the key is turned to OFF position and back to ON position.

The ABS light can illuminate if there is a large difference in wheel speed between the front and rear (eg. wheelies, loose gravel). If this happens, the ABS system will be inactive. To reactivate the ABS, bring the motorcycle to a complete stop, then turn the key to the OFF position, wait for approximately 5 seconds, then turn it back to the ON position.

If the ABS warning indicator is illuminated outside of its normal operating parameters:

- · The ABS has been disabled by the rider.
- · The ABS has a malfunction and requires attention and/or returning to us for a service.

When the ABS system is not functioning, your motorcycle will operate as a non-ABS equipped motorcycle with increased stopping distance and unpredictable brake control.

The ABS computer compares the relative speed of the front and rear wheels. Using tyres other than those specified by us can adversely affect the ABS functionality and stopping distance of your motorcycle.

FRONT SUSPENSION ADJUSTMENT

The forks have adjustable preload and rebound damping. Preload is determined according to the weight of the rider and rebound damping is the adjustment that determines how fast or slow the fork rebounds.

Both these are fixed for an average 90 kg rider (80kg rider wearing 10kg of gear). Heavier riders will need to harden the spring settings to reduce the fork travel.

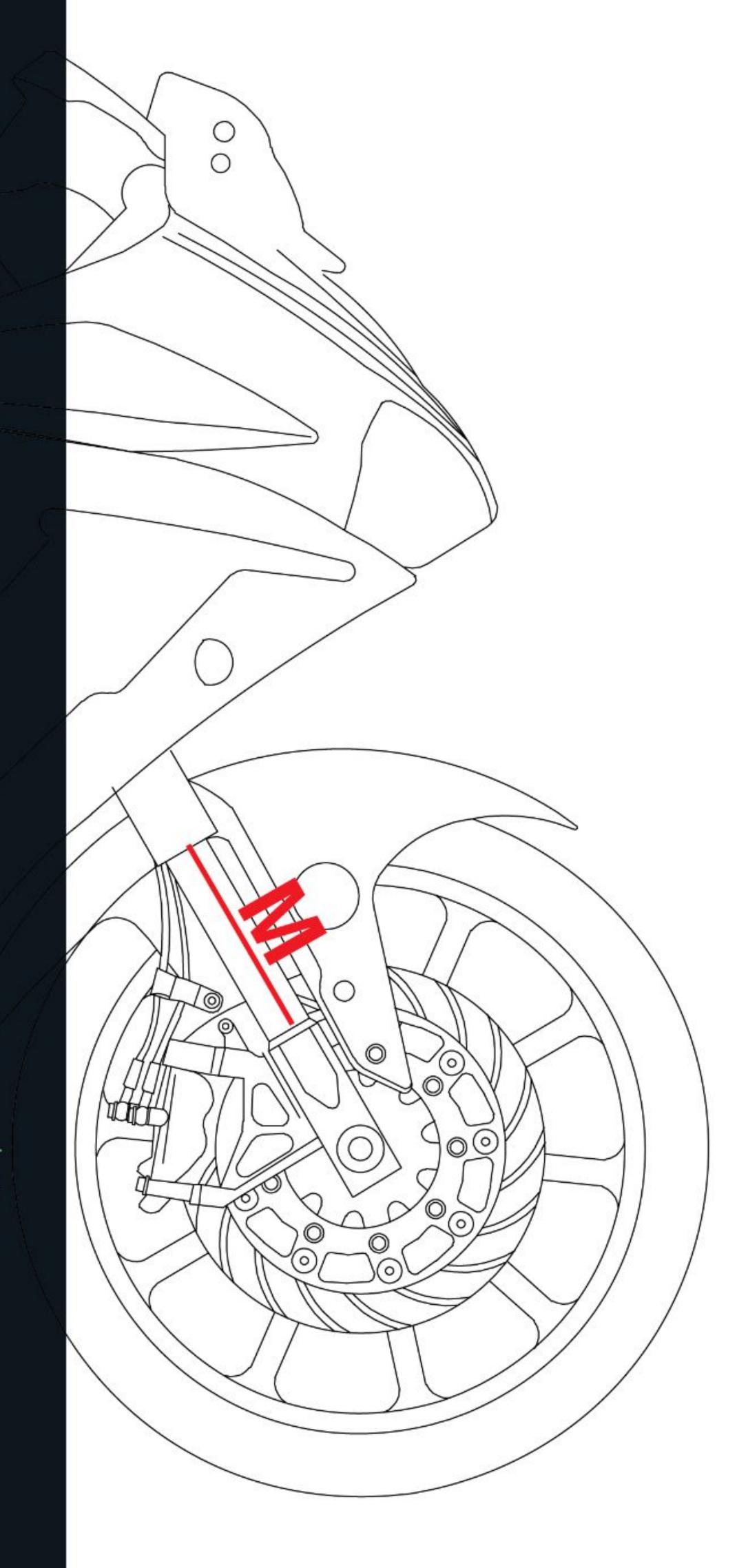
To check the fork setting:

- 1. Support your motorcycle upright on a stand with the front wheel off the ground.
- 2. Measure from the bottom of the fork tube to the bottom of the tube's dust seal.
- 3. Record this measurement as M1.
- 4. Take off stand and sit on with your normal riding gear. Bounce the suspension a couple of times, then measure M again.
- 5. Record this as M2.

- 6. The difference is the 'Sag'. We recommend M1-M2=40 mm.
- 7. If the total sag is greater than 40mm, the setting should be stiffened by turning the screw adjuster clockwise to increase it. This is marked 'H'.
- 8. Conversely, the screw can be turned anti-clockwise for softening in cases where the sag is too short and hard. This is marked 'S'.

While turning the adjustment screws, there is a 'click'. It is 20 clicks from softest to hardest settings. Always ensure that both screws have the same setting.

Adjusters should never be forced completely clockwise or counterclockwise; always leave one click of adjustment in either direction.



REAR SUSPENSION ADJUSTMENT

The rear spring preload must be set to match the weight of the rider. The spring is preloaded for a 90 kg rider (80kg rider wearing 10kg of gear). Heavier riders or additional cargo require stiffer spring settings.

To check the preload:

- 1. Support your motorcycle upright on a stand with the rear wheel off the ground.
- 2. Measure vertically from the tail light to the ground. Mark this spot as it is used for the next measurement.
- 3. Record this measurement as M1.
- 4. Take off stand and sit on with your normal riding gear. Bounce the suspension a couple of times, then measure M again.
- 5. Record this as M2.
- 6. The difference is the 'Sag'. We recommend M1-M2=46.5 mm.
- 7. If the total sag is greater than the recommended value, the spring preload should be increased by loosening the locking ring then turning the shock's adjustment collar (A) clockwise.

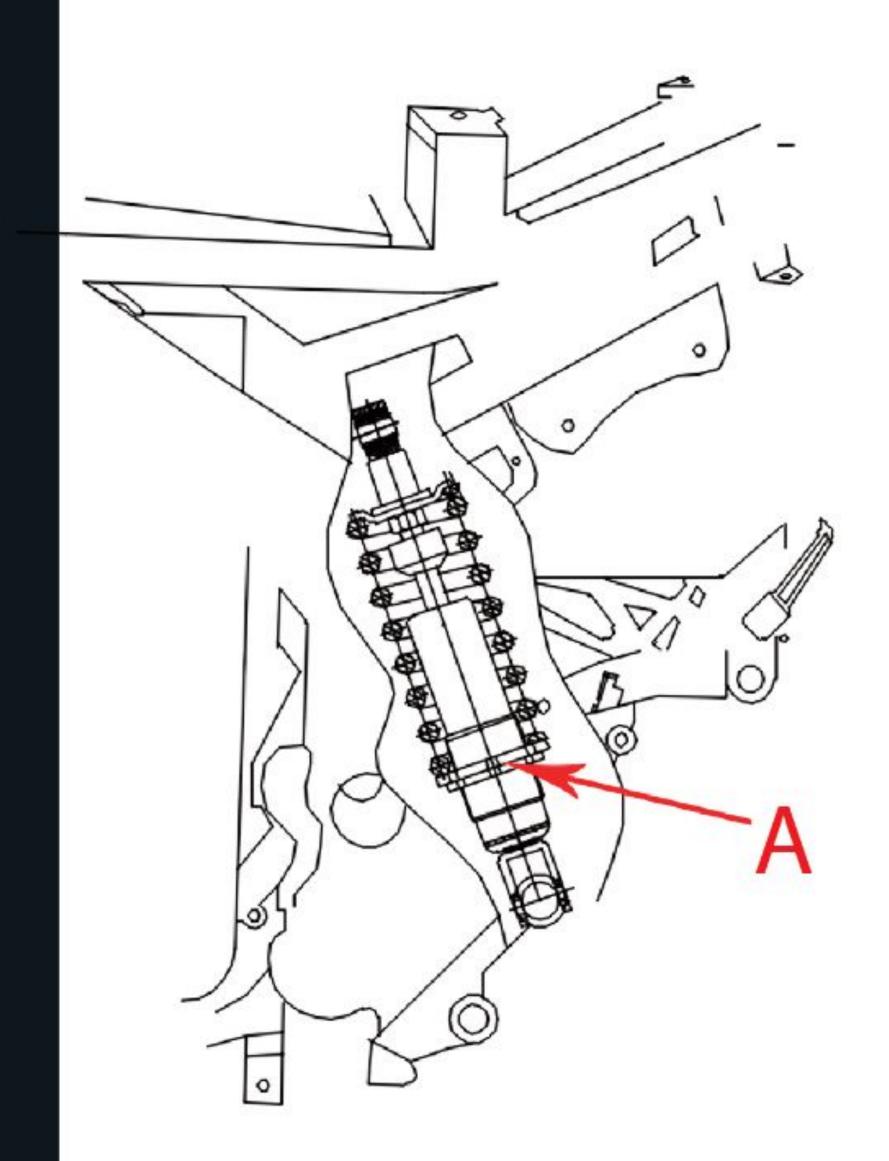
The compression damper adjustment screw is at the top of the gas chamber. Turn the adjuster clockwise for a harder ride (slower compression). For a softer ride (faster compression), turn the adjuster counterclockwise. There is no click.

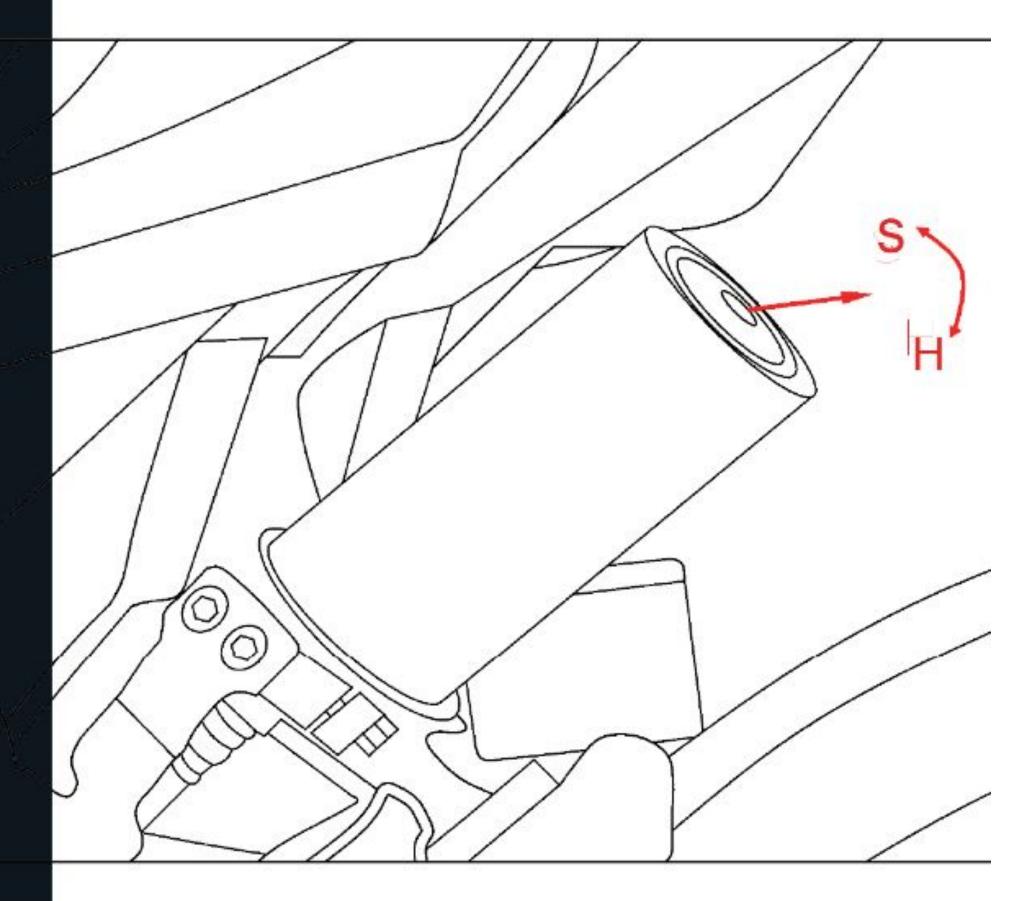
Adjusters should never be forced completely clockwise or counterclockwise; always leave some slack in either direction.

WARNING: The rear shock absorber assembly contains highly pressurized gas.

- Do not attempt to tamper with or open the cylinder or shock.
- Do not subject the shock to high temperature or open flame.

Doing either of the above actions can cause the cylinder or shock to explode causing personal injury or death.





Electrical Maintenance

Other important advice!

The headlight should be checked for correct alignment periodically. It must be aligned any time the suspension sag is adjusted because this affects the headlight alignment. Before the headlight can be aligned, the suspension sag and tire pressure must be correctly adjusted. The headlight can be adjusted vertically. If the vertical adjustment is off, it causes the beam to point too close to or too far ahead of the motorcycle. With the headlight on the low beam position, the motorcycle perpendicular to the ground, and the operator sitting on the motorcycle, verify the beam alignment.

The motorcycle is supplied with the headlight at a 0.5-2.5% dip.

All light assemblies are sealed and are non-serviceable. Please contact DEVS for replacement.

When excessive current flows through the high voltage motor circuit, the fusible element will melt, creating an open or incomplete circuit. This fuse must be replaced every time a circuit is overloaded.

WARNING: The motorcycle's high voltage system has no user serviceable parts. Disassembling, removing or replacing high voltage components, cables or connectors can cause severe burns or electric shock that may result in serious injury or death.

Your electric motorcycle is equipped with a 12 volt maintenance free battery to power the motorcycle's systems when the keyswitch is in the OFF position.

The 12 volt battery is located underneath the rider's seat, accessed from the left hand side of the motorcycle. It is charged from the motorcycle's battery. During regular operation and when connected to a charging cable, the on-board electronics will monitor the 12 volt battery's charge level to ensure that it's charge level is maintained.

CAUTION: Only replace the 12 volt battery with a genuine 12 volt battery available from your dealer. The 12 volt battery has a heater mounted to its exterior to ensure optimal operation during cold weather. Installation of a non-approved 12 volt battery may prevent the motorcycle from operating correctly and will cause errors to be displayed on the dash panel.

WARNING: Do not attempt to charge the 12 volt battery if the voltage has fallen below 10V. A 12 volt battery with voltage less than 10V may be damaged and could catch fire/explode if charged.



General Maintenance Cleaning, Washing, Climate and Storage

To prolong the life of your motorcycle it should be washed periodically. Regular cleaning is an important factor in maintaining the value of your motorcycle.

- 1. Gently wash your motorcycle with a sponge or a clean soft cloth, mild detergent, and plenty of water.
- 2. Use care when cleaning the plastic parts (dash, fenders, and side panels), which can scratch easier than the other parts of your motorcycle.
- 3. Dry your motorcycle with a chamois or a soft, dry towel.

If the motorcycle is ridden after being washed, apply both brakes several times in order to remove any moisture from the brake pads.

Improper cleaning can damage electrical components, cowlings, panels, and other plastic parts. Do not use steam or high-pressure water cleaner systems; they can cause water intrusion of bearing, seals, and electrical components. Avoid spraying water of great force around the dash unit, charge port, power pack, and controller.

Do not use any harsh chemical products on plastic parts. Be sure to avoid using cloths or sponges which have been in contact with strong abrasive cleaning products, solvent or thinner, fuel (gasoline), rust removers or inhibitors, brake fluid, antifreeze or electrolyte.

Cold weather operation of the motorcycle has no permanent impact on its power pack/cells; however, the rider may see a reduction in range of up to 30%.

Note that the Battery Management System (BMS) will not allow the power pack to be discharged below -20°C or above 60°C. When charging, the BMS will prevent the charger from charging the power pack at a temperature below o°C or above 45°C.

Storage temperatures below -35°C may result in accelerated permanent decay of the power pack performance, and hence it is not recommended.

Whenever you plan on not riding or storing your motorcycle for extended periods of time (more than 30 days), it is recommended that you charge the power pack to approximately 60% state of charge (SoC) and then leave the charger disconnected.

Check the SoC at least monthly and charge it back up to 60% if it has dropped below 30%.

To prolong the life of your power pack you should store your motorcycle in a cool area. The recommended storage temperature is -20°C to 35°C.

INSPECTION AND SELF-MAINTENANCE SCHEDULE

Regular self-maintenance can enhance service life and driving safety. Please refer to the inspection suggestions and take care of your e-motorcycle.

RECOMMENDED PROFESSIONAL SERVICE

The first maintenance should be carried out one month after purchase or after the first 1,000 km. After the first inspection, maintenance should be carried out to our after-sales services every 12 months or 10,000km. Assembly, maintenance and/or repair should only be performed by DEVS or authorised repair centers for e-motorcycle repairs.

After you have had your electric motorcycle seviced, please make sure that the appropriate maintenance record has been completed.

BRAKES	Check braking performance, inspect lines and pads for wear, prevents accidents. Check the front brake lever free play. This measurement must be between 10 - 20 mm. travel.	DAILY
TYRES	Check tyre damage & air pressure, prevents flat tyre or power over-consumption during riding. The control of tyre pressures must be carried out cold. FRONT WHEEL 248 kPa (36 PSI) / REAR WHEEL 248 kPa (36 PSI). Always replace the tyres when the tread depth reaches a limit of 1.6 mm. Increase pressure when carrying extra weight.	DAILY
WHEELS	Check rim strength & remove dirt in bearing, pre- vents rim breaking or jamming.	WEEKLY
SUSPENSION	Check front & rear shock absorbers, remove dirt & maintain lubrication to prevent shock absorber jamming.	WEEKLY
THROTTLE	Check throttle, prevents jamming or occasional failure. Check wire connector isn't loose or damaged to prevent wire malfunction.	WEEKLY
SCREWS	Check screw connectors aren't loose or damage to prevent screw malfunction.	WEEKLY
BATTERY	Monitor battery cell performance to prevent mal- function & lengthens lifespan. Check whether charger wire is damaged and braking and other connectors complete and reliable or not.	MONTHLY
LUBRICATION	Check wheel axles and brakes if needed to add lubrication or not.	MONTHLY
CLEANING	Surface cleaning.	MONTHLY

TROUBLESHOOTING

Note: If there are other usage and related problems, you can check the content of the help center on the website. If you cannot solve your problem, you can contact us for consultation.

> EMAIL FOR SERVICE mail@devs.bike

NO Check the main fuse is ON and 12V/15A fuse is functional. Check the battery level is above the 60V cutoff. OPERATION Check temperature is in operational range -20C to 60C. Check the connections are secure. NO CHARGING Check that the battery isn't already full. Check the external temperature is in the allowable range of oC to 45C. Use the APP to check that the BMS is active. Check that the brake is not engaged, which disables the SYSTEMS ARE ON throttle when the yellow switch is turned on. **BUT MOTOR IS** Check the throttle wiring is intact. NOT WORKING Roll the bike forward and backwards and try again to move. If a 'beep' is heard, check the error code against the list on the next page. Loosen the locknut and adjust the spring tension down to THE SUSPENSION firm or up to soften. IS UNCOMFORT-Check you are not over the allowable weight (155 kg) ABLE Check the 12V/15A system fuse under the rear seat and 12V ACCESSORIES replace if necessary (blade fuse). NOT WORKING Check wiring connections are secure. (LIGHTS, HORN Remove accessory and verify operation from external 12V ETC) source. Some such noise is possible on all motorbike, but it is THE BIKE MAKES more obvious because an electric motorbike is otherwise A RATTLING quiet. Assess if the noise shows some part has come NOISE loose. Follow the tips for riding to maximise range. Some decline THE RANGE IS of approximately 20-40% is expected over a period of 5 SHORTER THAN years' of average use. EXPECTED

<u>(i)</u>

ERROR CODES

When an error occurs, a buzzer will send out information.

When the motorcycle is turned on normally, the buzzer will sound once and then stop.

If there is a long beep, please check whether the brake and throttle are effective at the same time.

If there are 1 to 15 beeps, judge the fault based on the number of sounds. The fault table is as follows:

- 1 Motor Hall fault. The signal wire between the controller and the motor is not connected properly.
- 2 Throttle failure. The throttle does not return to zero, or the throttle is broken. Note that the fault will be displayed by default when the controller is restarted, and the fault will disappear after the self-check is passed.
- 3 Current protection restart.
- 4 Phase current overcurrent.
- 5 Voltage failure. The voltage is too low or too high, which exceeds the allowable range of the controller.
- 6 Anti-theft alarm signal.

- 7 Motor over temperature. Motor temperature is too low or too high beyond the scope of use.
- 8 Controller over temperature. The temperature of the controller is too low or too high beyond the use range.
- 9 Phase current overflow.
- 10-Phase current zero point fault.
- 11 Phase line short circuit fault. The phase line is shortcircuited, or the motor is faulty.
- 12 Wire current zero point fault.
- 13 MOSFET upper bridge fault. The upper bridge of the controller is damaged.
- 14 MOSFET lower bridge fault. The lower bridge of the controller is damaged.
- 15 Peak line current protection. Hardware overcurrent protection alarm.

GUARANTEE POLICY

All our motorcycles are guaranteed against manufacturing defects for 24 months from the moment of delivery.

For reference, the latest applicable warranty terms are published on our website - www.devs.bike.

EXCEPTION

- · All components susceptible to wear such as brake pads, tires, axles, bearings and bulbs are excluded from the the warranty.
- · The battery is a consumable item and subject to special terms.

VOIDING

The warranty will be voided when any of the following cases are met:

- · When a malfunction attributable to human error or negligence of the user of the machine is demonstrated.
- · Meteorological causes or Acts of God.
- · When the technical limit of use of the machine is breached.
- · If operated in professional or commercial use.
- · When non-original DEVS parts are used during repairs or when any maintenance or repair operation is carried out by a technical service not authorized by DEVS.
- · All motorcycles and components have recommended maintenance periods and must be periodically checked by an official dealer. Failure to comply with these conditions invalidates the warranty against manufacturing defects.

TECH DATA

Motor peak 8kW (02) / 14kW (01) Max. speed 120km/h (02) / 150km/h (01) Climbing 40°

Battery type Lithium NMC
Power 72V 7.2 kWh
Autonomy average 150km (see graph)
Cycles >2000 times
Charger 1500W
Discharge temp. range -20 to 60C
Charge temp. range o to 45C

Tyre specification:

Front: 120/70 - 17 Rear: 150/70 -17

Cold pressure front: 248 kPa (36 psi) Cold pressure rear: 248 kPa (36 psi)

Min. tread: 1.6mm

Net weight 126 kg (without battery)
Maximum load <155 kg
Total length 2080 mm
Full width 780 mm
Full height 1160 mm
Seat height 820 mm
Distance between axis 1405 mm

BATTERY RANGE TEST RESULTS

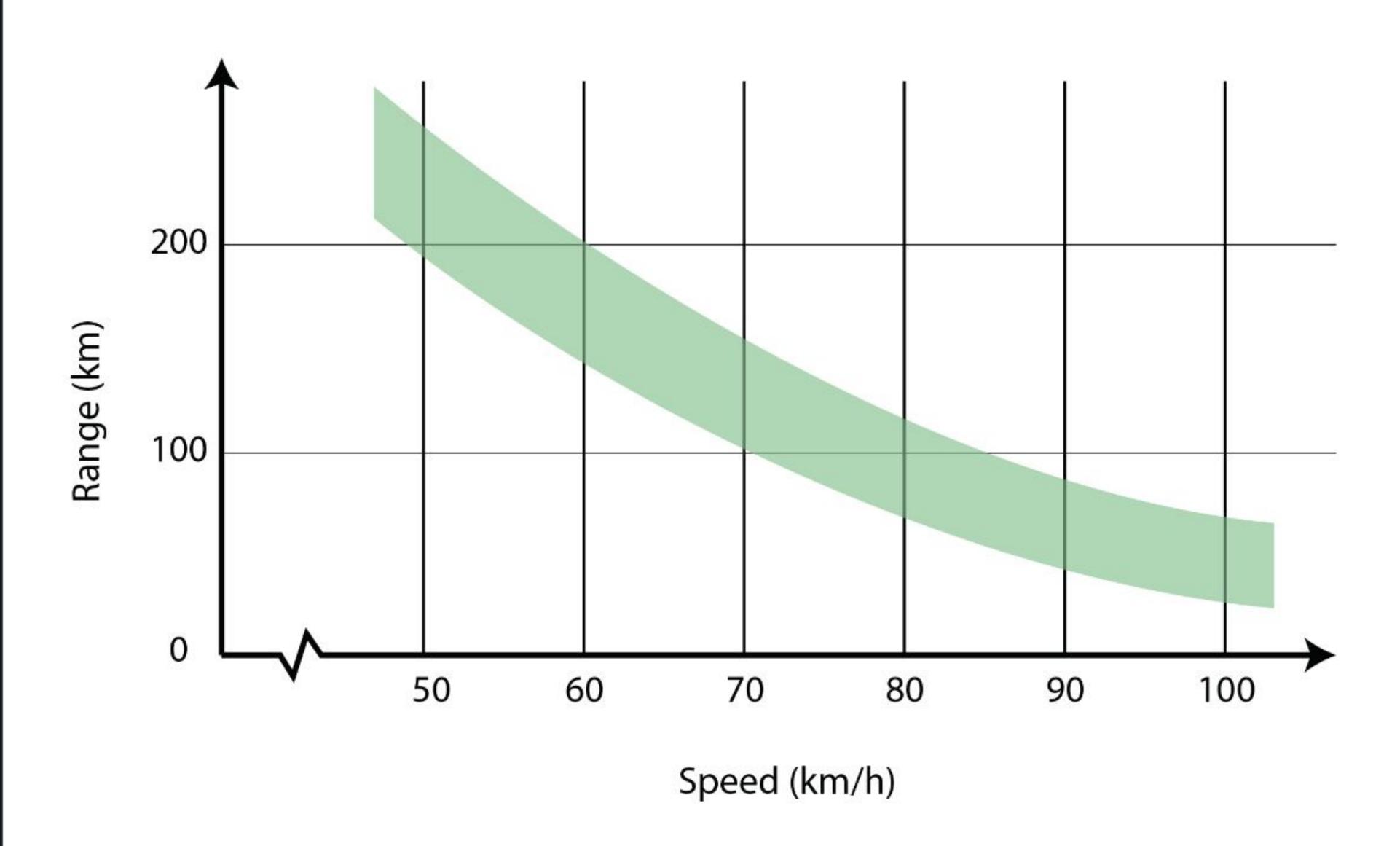
The actual range isn't one number, it's between 50km and 250km. The stated range of 150km is an average of these figures.

Some of the factors which affect range include: speed, acceleration, number of starts and stops, ambient air temperature, and changes in elevation. The combination of these factors, as you travel from one point to another, defines your range profile. In addition, tyre pressure and payload are important considerations.

For motorcycles sold within European countries, range is calculated using European Union regulation EU 134/2014 Annex VII.

Range vs Speed

(curb weight 152kg - 7.2kWh battery)



BATTERY VOLTAGE-CAPACITY CHART

The battery state of charge follows a roughly straight line relationship to the voltage.

Fully-charged voltage is 84V, half-full voltage is 72V and low cut-off voltage is 60V.

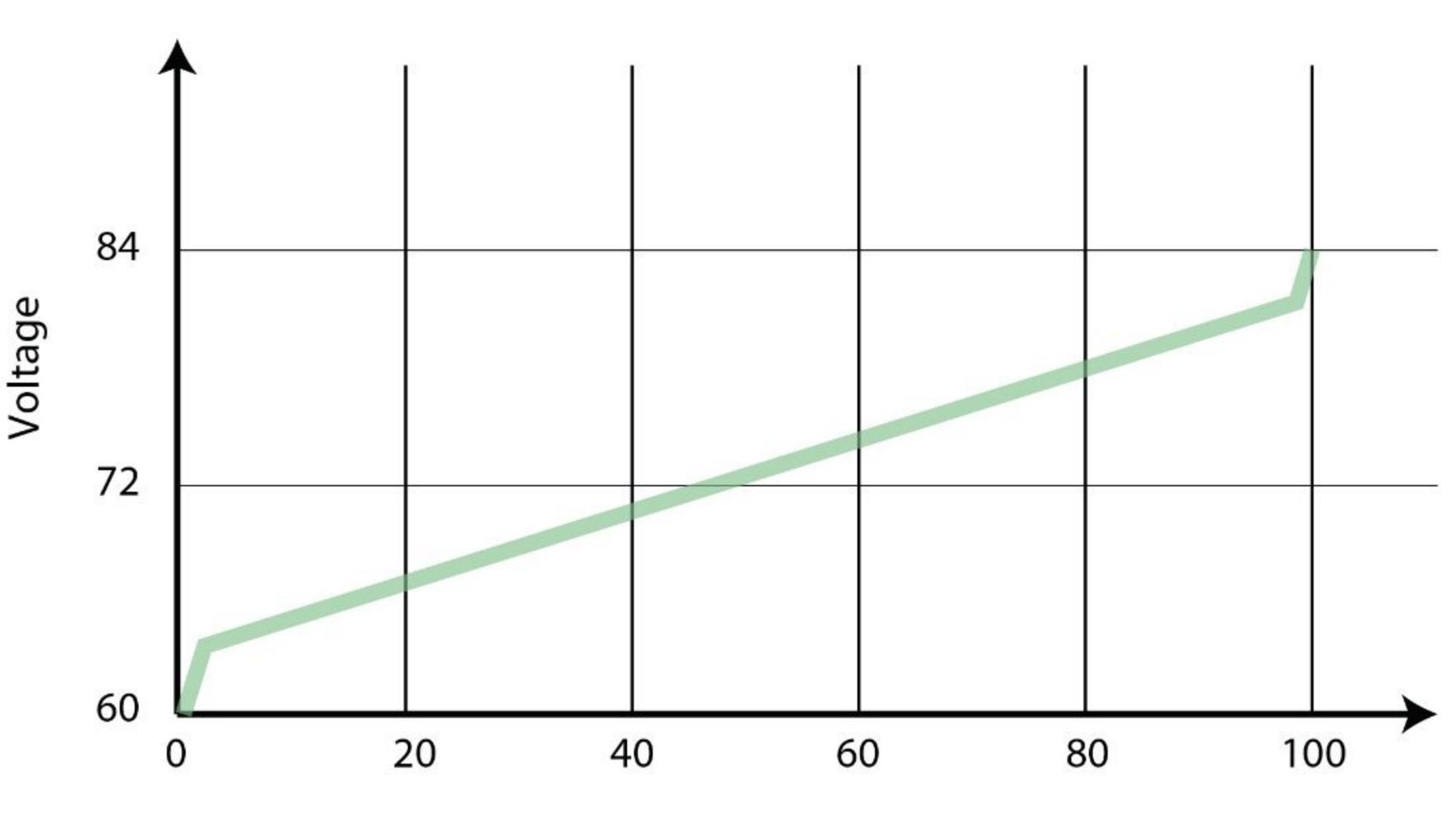
Electronics controlling the charging and discharging of the battery ensure that the voltage is always within these upper and lower limits.

The lithium-ion batteries lose capacity based on usage cycles as well as calendar time. Aging can be accelerated by prolonged storage of the power pack at a high state of charge.

CAUTION: Leaving your motorcycle unplugged between charges will maximise the long term capacity of the battery. While turned OFF, the motorcycle's electronics and self-discharge will consume about 10% of the battery's power every month. Leaving the alarm ON increases this.

Voltage vs Capacity

(25C±2C to 4.20V at a constant current of 0.5C)



State of charge (%)

IDENTIFICATION CODES

BATTERY SERIAL NUMBER

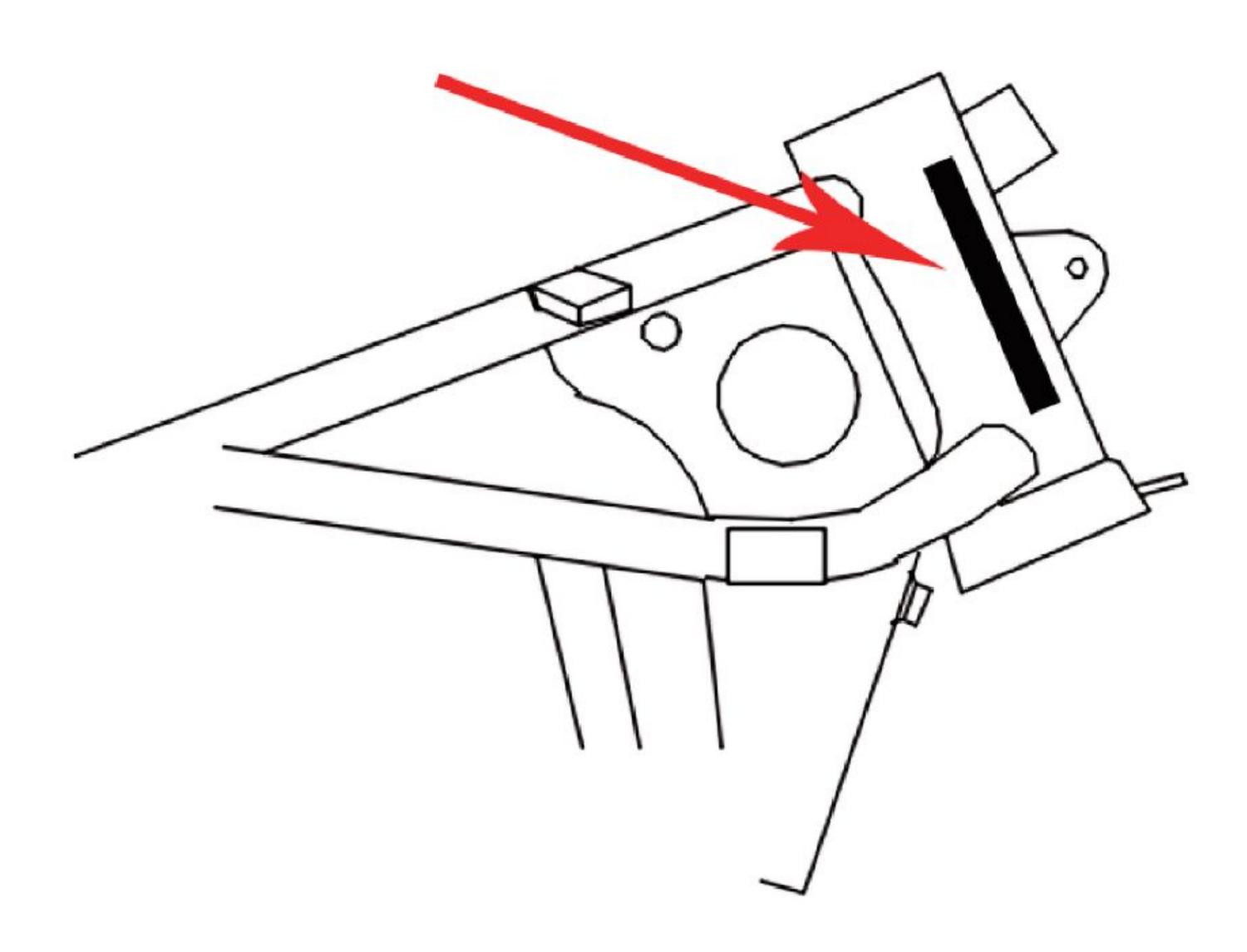
The battery serial number is located on the top and bottom surfaces of the power pack on the right hand side of the motorcycle. The serial numbers are hidden from view, when the motorcycle is fully assembled.

MOTOR SERIAL NUMBER

The motor serial number is laser etched on the right hand side of the motor housing and is visible when the motorcycle is fully assembled.

Vehicle Identification Number (VIN)

The VIN / Chassis Number is a 17-digit code of numbers and letters stamped on the head tube of the frame. Do not alter or remove this code as it is the legal identifier for your motorcycle!





REGISTERED COMPANY
ROCKETMAN S.R.O.
TROJANOVA 16
PRAGUE 120 00
CZECH REPUBLIC

GARAGE
V KORYTECH 10
STRASNICE
PRAGUE 100 00
CZECH REPUBLIC

