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Introduction

An Important Message To You From GenZe

Congratulations and thank you for purchasing the GenZe 2.0.

The GenZe 2.0, designed to help make your busy life easier and more fun, is the smart way to get around town. The GenZe gives you the power to set your own pace and your own course, outsmart traffic, and untether from transit schedules. Welcome to the GenZe lane!

This information is designed to provide you with a better understanding of the operation, inspection, and basic maintenance requirements of your GenZe 2.0.

If you have any questions concerning the operation or maintenance of your GenZe 2.0, please contact us at 1 (855) GOGENZE (464-3693).

GenZe continually seeks advancements in product design and quality. Therefore, the information contained within is the most current product information available at the time of publication.

This Owner's Manual will be updated periodically. Please check the GenZe website for the most current version.

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General Information

The terms “right” or “left” refer to the rider's right or left when sitting on the GenZe 2.0.

Please use only GenZe approved parts and accessories for your GenZe 2.0. Parts and accessories for your GenZe 2.0 have been checked and tested for safety and suitability. GenZe is unable to accept any liability whatsoever for parts and accessories which have not been approved.

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<i>Abbreviation</i>	<i>Meaning</i>
<i>SOC</i>	<i>State of Charge</i>
<i>kW</i>	<i>Kilowatt</i>
<i>LED</i>	<i>Light Emitting Diode</i>
<i>WH/M</i>	<i>Watt-hours per mile</i>
<i>EV</i>	<i>Electric Vehicle</i>
<i>MPH</i>	<i>Miles per Hour</i>
<i>PIN</i>	<i>Personal Identification Number</i>

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Safety Information

This information contains the word **WARNING** to indicate something that could hurt you or others. It also contains the word **CAUTION** to indicate things that could damage your GenZe 2.0.



Please read this information carefully and completely before operating the GenZe 2.0. Do not attempt to operate the GenZe 2.0 until you have attained adequate knowledge of its controls and operating features and until you have been trained in safe and proper riding techniques. Regular inspections and proper maintenance, along with good riding skills, help you safely enjoy the capabilities and the reliability of the GenZe 2.0. Disregarding the above information may render the warranty invalid.

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General Safety Precautions



Severe injury or death can result if you do not follow the instructions in this manual.

- **ALWAYS wear a Department of Transportation (DOT) approved motorcycle helmet when operating the GenZe 2.0.**
- **NEVER exceed maximum load capacity. Combined weight of the rider, gear, and any accessories must never exceed maximum load capacity of 304 lbs. (138 kg). Overloading can impair the stability and performance of the GenZe 2.0, possibly causing an accident.**
- **NEVER use headphones or personal radios while riding.**
- **ALWAYS keep both hands on the handlebar and both feet on the floorboard while moving.**
- **The GenZe 2.0 is designed to hold only the driver. NEVER carry a passenger.**
- **ALWAYS observe local and state laws when operating the GenZe 2.0 on public roads.**
- **ALWAYS use turn signals to indicate your intention to turn. Follow your state's driver safety guidelines for turn signal use.**

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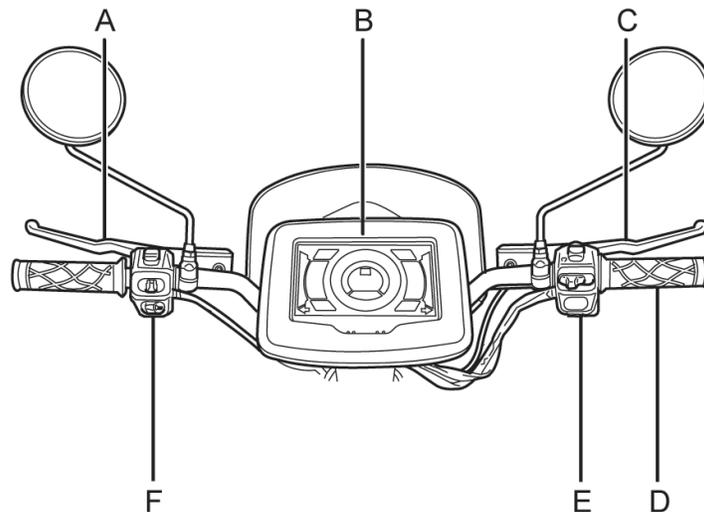
- **ALWAYS keep a safe distance from other vehicles on the road.**
- **ALWAYS drive at a speed that is appropriate for the terrain, conditions, and your experience.**

- **NEVER attempt wheelies, jumps, or other stunts.**
- **NEVER operate the GenZe 2.0 under the influence of alcohol or drugs.**
- **ALWAYS inspect the GenZe 2.0 before riding to make sure it is in safe operating condition.**
- **ALWAYS wear eye protection, gloves, closed-toe shoes, long-sleeved shirt or jacket, and long pants.**
- **NEVER make alterations or modifications to the GenZe 2.0 or add parts not authorized by GenZe.**
- **ALWAYS be aware of other vehicles on public roads. Many accidents are caused when drivers of cars do not see two-wheeled vehicles who share the road.**
- **NEVER hold the GenZe 2.0 in a stationary position using throttle on an incline or damage to the motor may occur. Use the brake instead.**

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Features and Components

Front Features



A. Rear Brake

The brake lever is located at the left handlebar grip. To apply the rear brake, smoothly pull the lever toward the handlebar grip.

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B. Cruise Connect™ Touch Screen

The 7-inch Cruise Connect™ touch screen display provides easy access to everything you need while on the road. It shows your speed, range, and charge level, as well as energy consumption and CO₂ reduction. The GenZe 2.0 Cruise-Connect™ even lets you customize the ride to fit your needs. Whether you need more speed or

want to get more distance, the Cruise-Connect™ offers 3 drive modes including a setting for those first learning to ride. For further description and operation, see [“Cruise Connect™ Touch Screen Overview.”](#)

C. Front Brake

The brake lever is located at the right handlebar grip. To apply the front brake, smoothly pull the lever toward the handlebar grip.

D. Throttle

For description and operation, see [“Handlebar Controls”](#)

E. Right Handlebar Control

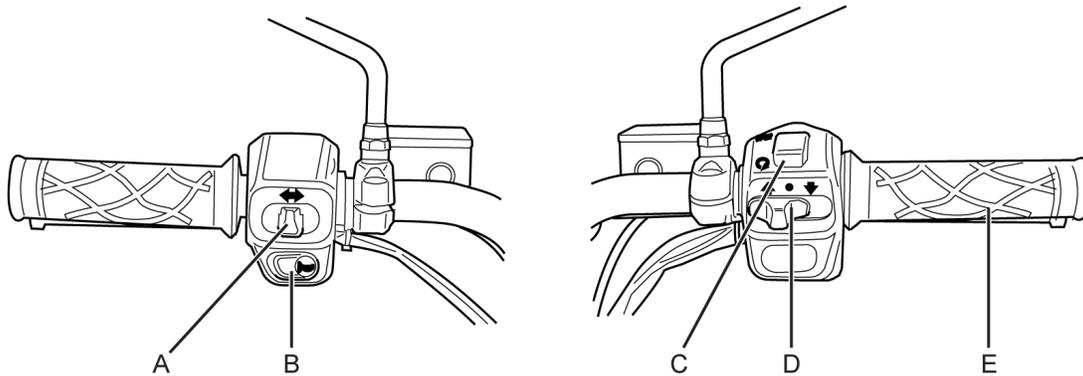
For description and operation, see [“Handlebar Controls”](#)

F. Left Handlebar Control

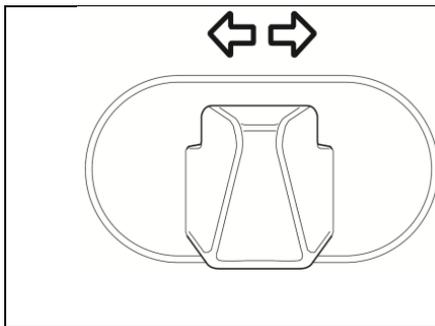
For description and operation, see [“Handlebar Controls”](#)

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Handlebar Controls

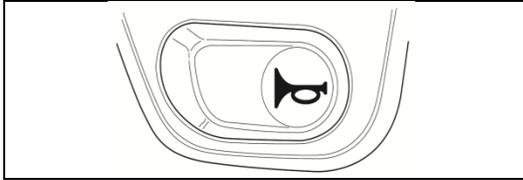


A. Turn Signals



When the Turn Signal Switch is pushed to the left or right position, the corresponding front and rear turn signals flash. When the Turn Signal Switch is ON, the corresponding turn signal indicator on the touch screen illuminates. Always signal your turns and other maneuvers as required by law. Unlike an automobile, the turn signals must always be canceled manually on the GenZe 2.0. Push in on the switch and it returns to the center or OFF position.

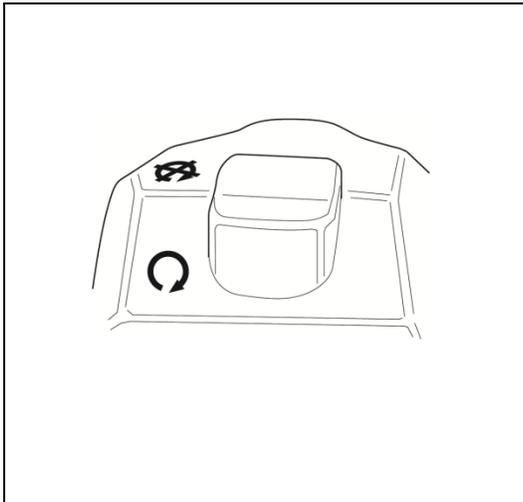
B. Horn



When the system is powered up, the horn sounds when the button is pressed. Electric vehicles run quietly. The horn can be used to warn pedestrians or other motorists of your presence.

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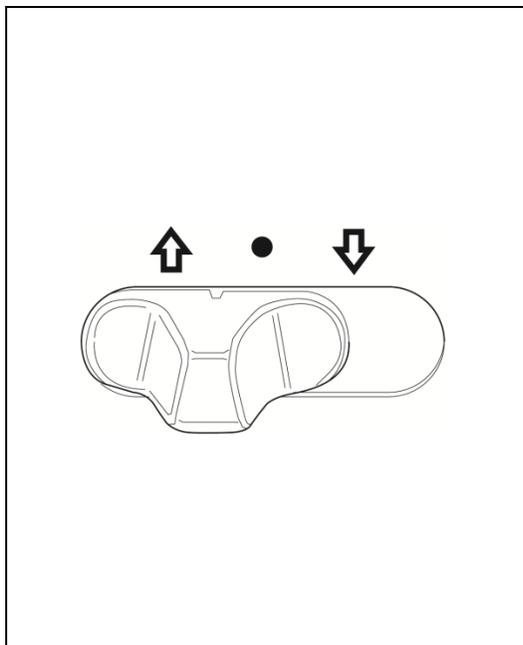
C. Run/Stop Switch



This switch is used to turn off the GenZe 2.0. Once it is turned on, using the Start button, you must put the Run/Stop Switch into the run position (if it isn't already). The GenZe 2.0 will inhibit drive until the Run/Stop Switch is put into the run position. If the switch is not put into the run position within 5 minutes of turning on the GenZe 2.0, it will automatically turn off.

Once the Run/Stop Switch is in the run position, switching to stop position will immediately turn it off (usually takes 1-3 seconds). This will occur regardless of the current operation, with the exception of on-vehicle charging.

D. Forward/Reverse Switch

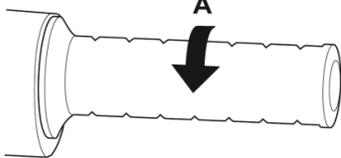


This switch has 3 positions: forward, neutral, and reverse. When the switch is moved all the way to the left (arrow up), this is the forward position, and the GenZe 2.0 will move forward when you operate the throttle. When in this position, an "F" will display on the touch screen. When the switch is moved to the center (dot), this is the neutral position. When in this position, an "N" will display on the touch screen. When the switch is moved all the way to the right (arrow down), this is the reverse position, and the GenZe 2.0 will move backwards when you operate the throttle. When in this position, an "R" will display on the touch screen.

NOTE: Before putting the GenZe 2.0 into forward or reverse, the kickstand should be put up. If this is not done, a yellow

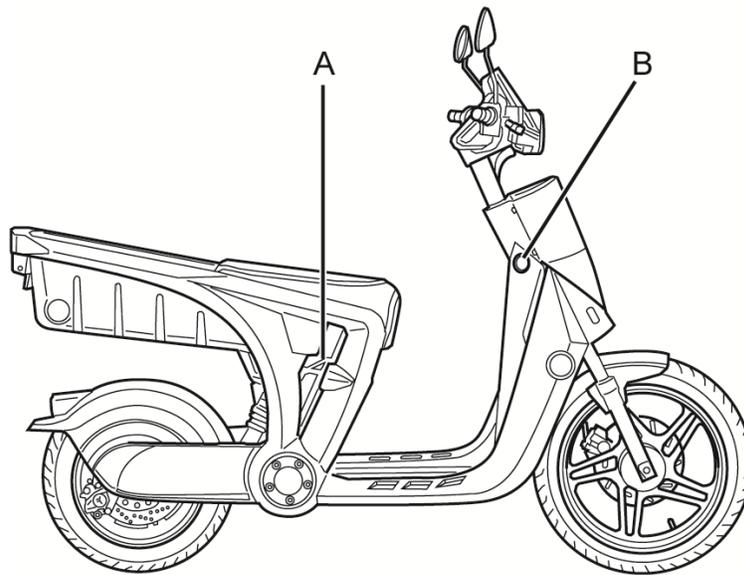
	<p><i>fault will be set until either the kickstand is up or the Forward/Reverse Switch is put back in neutral.</i></p>
--	--

E. Throttle

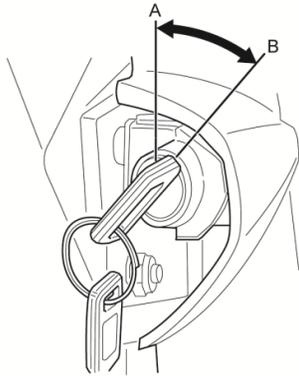
	<p><i>At first, gently twist the throttle towards you (A) to energize the motor and begin moving. The direction of travel is determined by the position of the Forward/Reverse Switch. Release the throttle, and it snaps back to the neutral position, de-energizing the motor.</i></p>
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Side Feature Locations



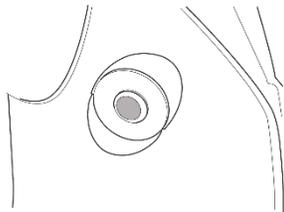
A. Battery Pack Key Lock



This is a two-position lock that is located on the right side of the GenZe 2.0 next to the battery pack. When in the locked position (A), this will prevent theft of the battery pack via a locking deadbolt and will provide input to the controller in order to power the system. When in the unlocked position (B), the battery pack can be removed for external charging. If the GenZe 2.0 is turned ON with the key unlocked, it will shut down within 30 seconds. If the pin code is entered before the 30 second timeout, the GenZe 2.0 will immediately power down. The key is removable in both positions.

NOTE: If the Key Lock is unlocked after the GenZe 2.0 is turned ON, the vehicle will immediately shut down. The GenZe 2.0 should be shut down using Run/Stop Switch before unlocking battery.

B. Start Button



The push button start switch (silver) will turn on the GenZe 2.0. It is located on the right side, below the handlebar. Before it will turn ON, the following steps should be performed.

- Run/Stop Switch is in the ON position.
- Battery pack key lock is in the locked position (see Battery Pack Key Lock description).

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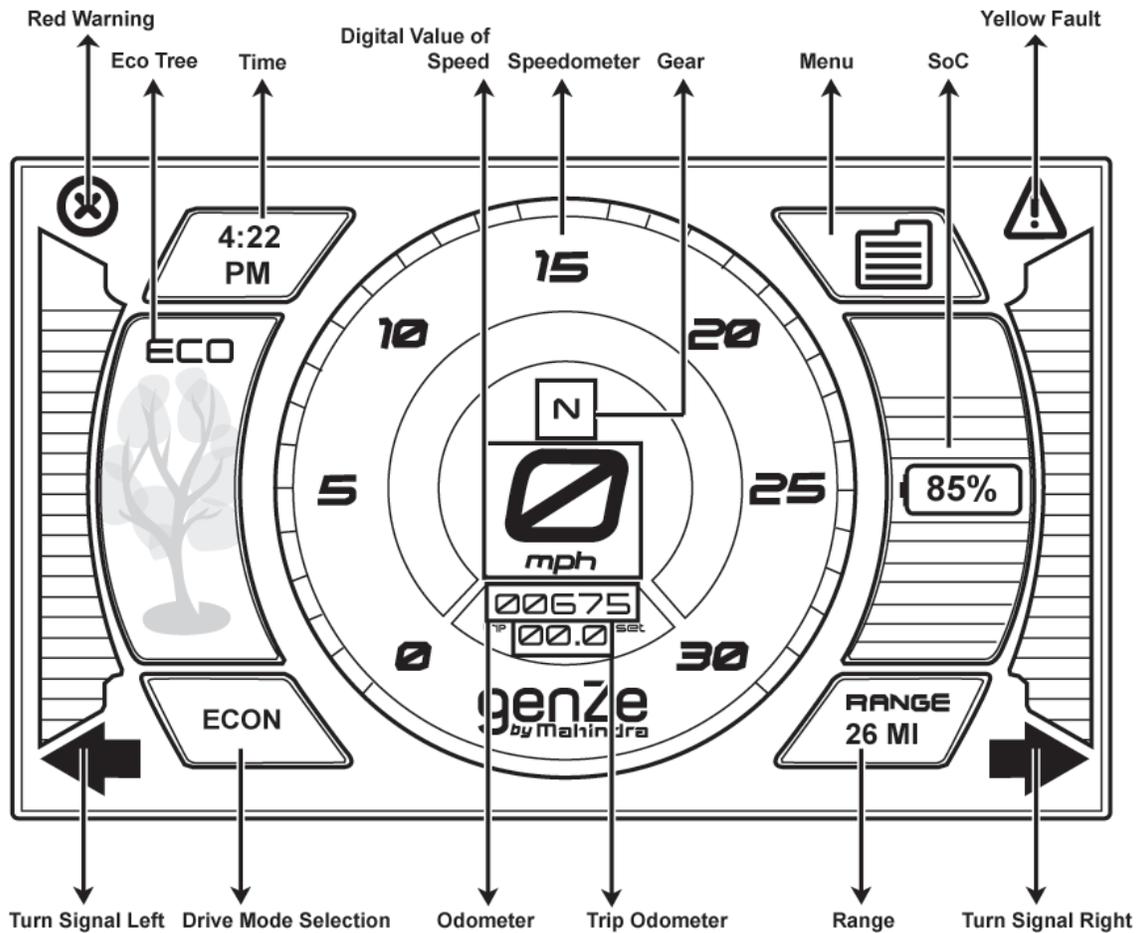
[Cruise Connect Touch Screen Overview](#)

! WARNING

NEVER attempt to adjust or press the touch screen while the GenZe 2.0 is in motion.

ALWAYS keep both hands on the handlebar any time the GenZe 2.0 is in motion.

[Home Screen](#)



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Mode Specific Display:

By touching and holding the ECO Tree for 1 second, you can toggle between the ECO Tree image and the % Power Bar Graph. By default, the ECO Tree will be shown. More leaves will appear on the tree as you drive more efficiently. The Drive Mode indicator will be blank if a custom setting has been chosen in the Settings Page.

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Time:

The clock displays time in standard (AM/PM) or 24 hour mode.

Speedometer:

The speedometer displays the current speed of the GenZe 2.0 in MPH. The center of the meter displays the digital value, while a needle will point to the speed indicated on the touch screen.

Gear:

The gear indicator will display the current gear position as selected by the forward/reverse switch. There are 3 indicated positions “F” forward, “N” neutral, and “R” reverse.

Menu:

Touching this button on the touch screen will take you to the Menu Screen. See [“Menu Screen”](#).

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State of Charge (SOC):

This bar graph will display the amount of energy remaining in the battery pack, similar to the fuel gauge on a gasoline powered vehicle.

Fault Indicator:

If a fault has been detected, this indicator will illuminate yellow or red indicating the severity of the fault. Yellow is a caution, which doesn't require immediate attention, but could limit functionality depending on the fault. Red is a warning, which requires immediate attention. This will put the GenZe 2.0 into a limited or non-functional state, depending on the fault.

Turn Signal Indicators:

An arrow on the lower dash flashes green in the same direction as selected by the turn signal switch. This arrow remains flashing until the turn signal switch has been canceled by pressing in on the turn signal switch.

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Drive Mode Selection:

*Touching this button on the touch screen will allow you to toggle between **Economy Mode (Econ)**, **Sport Mode (Sport)**, and **Easy/Safe Mode (Safe)**.*

***Economy Mode** reduces maximum power and torque so greater energy efficiency may be achieved. This mode is optimized for greater range, while maintaining performance.*

***Sport Mode** Allows you to increase the maximum power and torque to performance limits of the GenZe 2.0. This will give the best speed performance.*

***Easy/Safe Mode** is designed for new riders. It sets torque and power to a low level.*

The GenZe 2.0 is best suited to climb hills in “Sport” mode. When in “Econ” and “Easy/Safe” mode, power is reduced and hill-climbing capacity is diminished.

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Odometer:

The odometer displays total distance the GenZe 2.0 has been ridden in miles.

Trip Odometer:

This displays individual trip mileage and is reset by touching and holding the trip odometer or the “set” text on the touch screen for 3 second. This will cause the trip odometer to reset to 0 mi and reset range estimation from ‘Real’ to ‘Ideal.’ This can only be done when you are stopped or going below 3 mph. When the trip odometer reaches 99.9 miles it will roll back to 00.0.

Range (Real):

This will display the ‘Real’ range the GenZe 2.0 can be ridden before battery power is depleted. The ‘Real’ range is a range estimation that is calculated using present available energy and average energy efficiency, based on how the user rides the GenZe 2.0. If the rider is driving with greater energy efficiency (low WH/M), they will see higher ranges than a rider getting less energy efficiency (high WH/M). Environmental and other ride factors such as ambient temperature, rider & cargo weight, and road grade, will also effect the average energy efficiency, thus affecting estimated range.

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Menu Screen



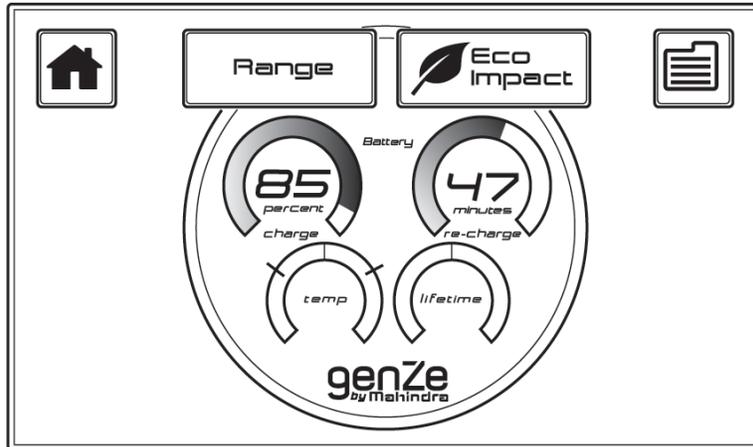
Home Screen:

Touching this button will return you to the Main Screen. It will also return to the Main Screen when your speed reaches 3 mph.

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Battery Screen:

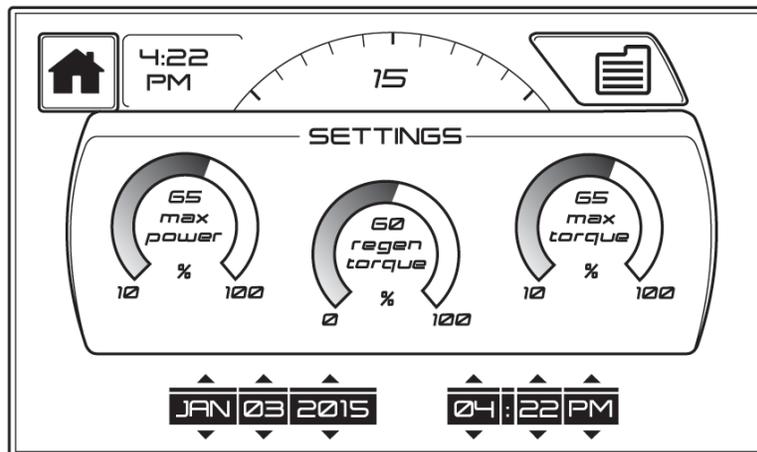
Touching the battery button on the menu screen, or the battery button on any other screen, will allow you to see the status of the battery.



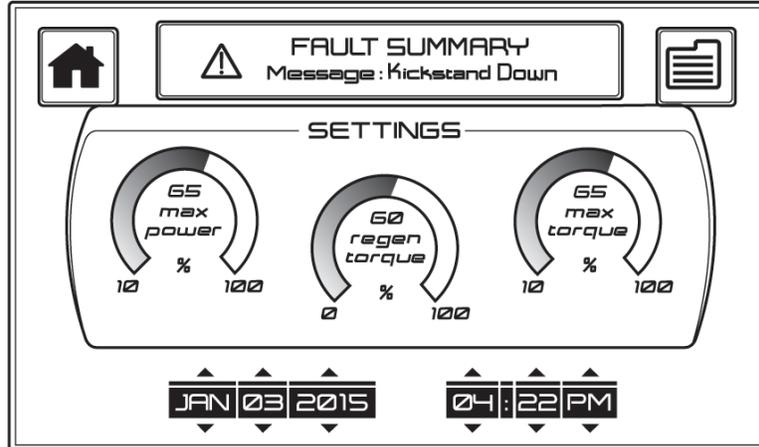
In this screen, you can view the state of charge, estimated amount of time it will take to recharge the battery, the battery temperature, and the state of health (estimated life) of the battery. You also have options to navigate from this screen to the Home, Menu, Range, or Eco Impact screens using the buttons on the top of the screen.

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Settings Screen:



In this screen, you can set the time and date, as well as see the power settings. You can also view and customize the performance settings for the GenZe 2.0. The performance settings can be changed by adjusting the gauges using a finger to slide along the gauge graphic. The Mode Selection on the Main Screen will be blank if a custom mode is set using the settings screen. The date and time can be changed using the small arrows on the top and bottom of the date and time. You also have options to navigate from this screen to the Home or Menu screens using the buttons on the top of the screen.

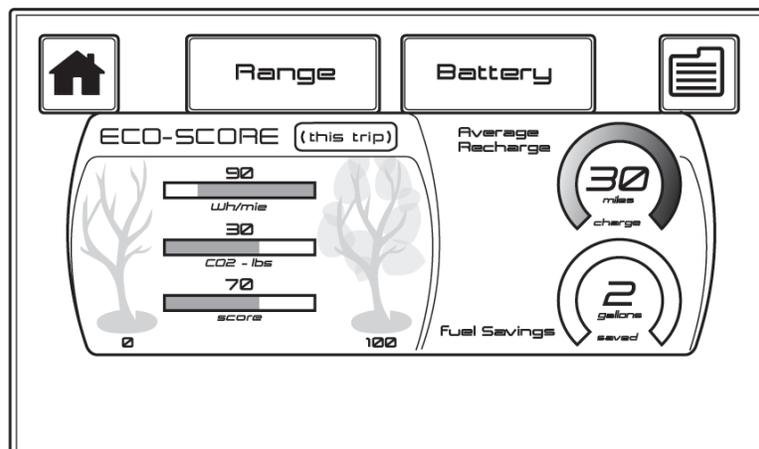


The settings screen will also display the currently set fault across the top, if there is a fault.

If there is a fault, it will be described between the Home and Menu buttons at the top of the screen with the heading “Fault Summary.” One common example is the kickstand being in the down position. If there are no faults, no Fault Summary will be displayed.

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Eco Impact Screen:

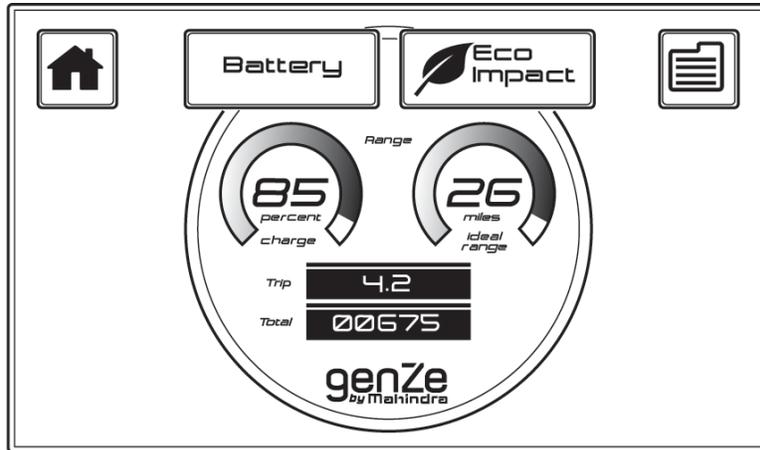


Touching the Leaf button on the menu screen or Eco Impact button on any other screen, will allow you to view the ecological impact of your trip. You can view the Eco-score over the last trip or over the lifetime of your GenZe 2.0 by touching the (lifetime) or (trip). It also shows the Average Miles per Charge and Fuel Saving achieved over the

last trip or lifetime. You also have options to navigate from this screen to the Home, Menu, Range, or Battery screens using the buttons on the top of the screen.

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Range Screen:



Touching the Range button on the menu screen or Range button on any other screen will allow you to view the Range Screen. In this screen, you can view the state of charge, ideal range, trip odometer, and the total odometer. You also have options to navigate from this screen to the Home, Menu, Eco Impact, or Battery screens using the buttons on the top of the screen.

Ideal Range is calculated using your battery energy and an ideal energy efficiency. The Real Range (Home Screen) uses your available battery energy and average energy efficiency based on your riding history.

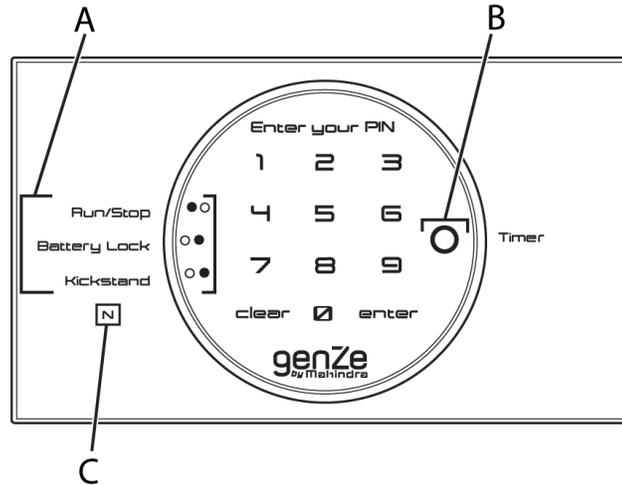
Owner Manual

You enter this screen after touching the Book button on the Menu Screen. In this screen, you can view the GenZe 2.0 Owner Information.

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PIN Screen

In addition to allowing you to enter your PIN number, this screen also provides important information at a glance.



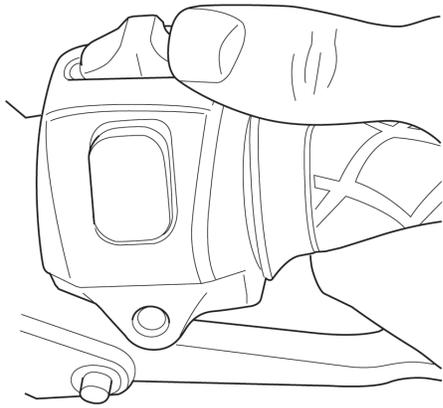
The Timer feature (B) is a count-down timer that will turn the system off after a predetermined period of time, which depends on the status of your GenZe 2.0. The following conditions will trigger a Timer shutdown (listed in order of priority):

1. If the battery key lock is unlocked at startup, the GenZe 2.0 will timeout after 30 seconds.
2. If the Pin Code is not entered after power-up, the GenZe 2.0 will timeout after 2 minutes.
3. If the Run/Stop Switch is left in Stop, the GenZe 2.0 will timeout after 5 minutes.

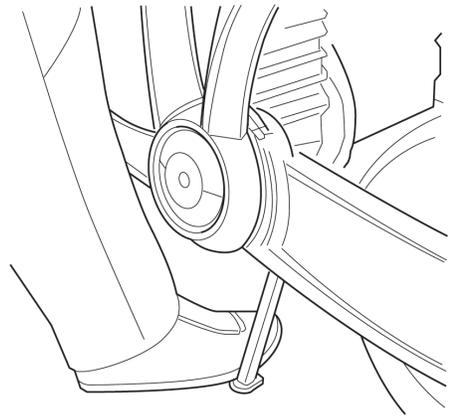
The Run/Stop Switch, battery lock, and kickstand (A) each have two indicator lights. In order for you to operate your GenZe 2.0, all indicators must be green. When the Run/Stop Switch is in the stop (off) position, its indicator is red. If the battery lock is in the unlocked position, the indicator is red. If the kickstand is down, its indicator is yellow.

The gear indicator (C) will display the current gear position as selected the forward/reverse switch. There are 3 indicated positions “F” forward, “N” neutral, and “R” reverse.

<i>Run/Stop</i>	<i>Run/Stop switch off = Red</i>	<i>Run/Stop switch on = Green</i>
<i>Battery Lock</i>	<i>Battery is not locked = Red</i>	<i>Battery locked = Green</i>
<i>Kickstand</i>	<i>Kickstand is down = Yellow</i>	<i>Kickstand is up = Green</i>



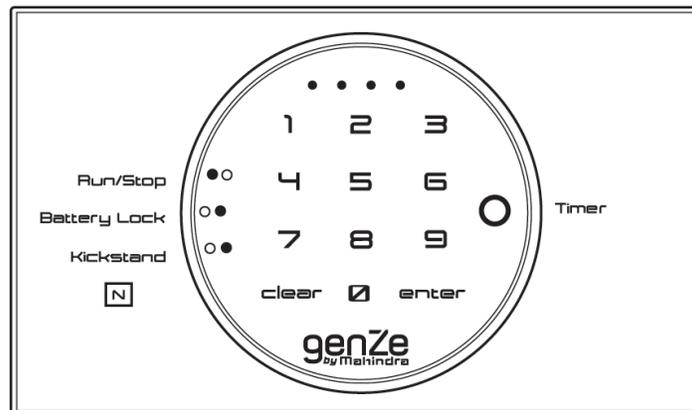
Run/Stop Switch



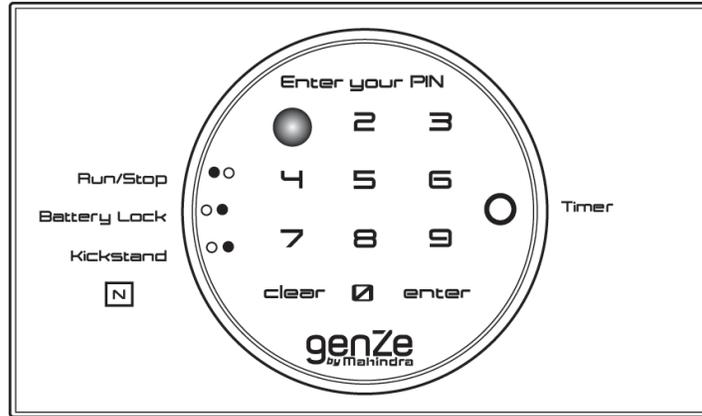
Kickstand

Entering Your PIN

1. With the main screen powered up, you will be prompted for your PIN number.

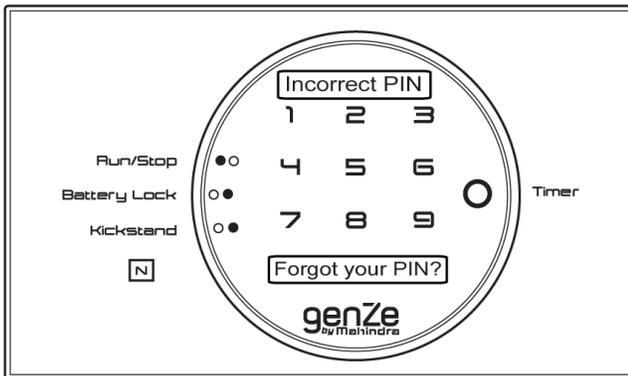


2. Enter your PIN number by touching the number on the display screen. If an incorrect PIN has been entered, pressing the clear button will clear the entire PIN.



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3. After entering your PIN, touch the Enter button. If you have entered your PIN incorrectly, the screen will display an incorrect PIN message. You can now re-enter your PIN. You have 50 attempts before the system will be locked. If the system is locked, you will need to contact GenZe for assistance. Pressing the Forgot Your PIN button will take you to the GenZe help screen, which includes contact information for your assistance.

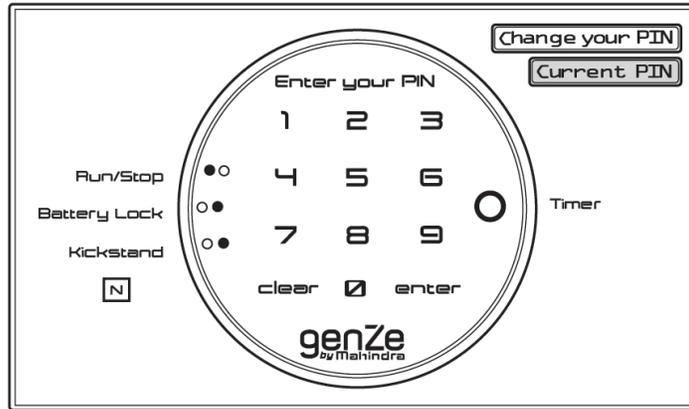


Changing Your PIN

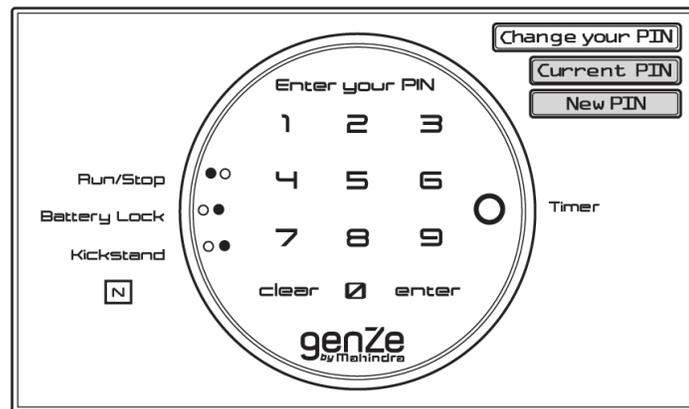
Pressing this button on the menu screen will allow you to change your PIN.

To change your PIN:

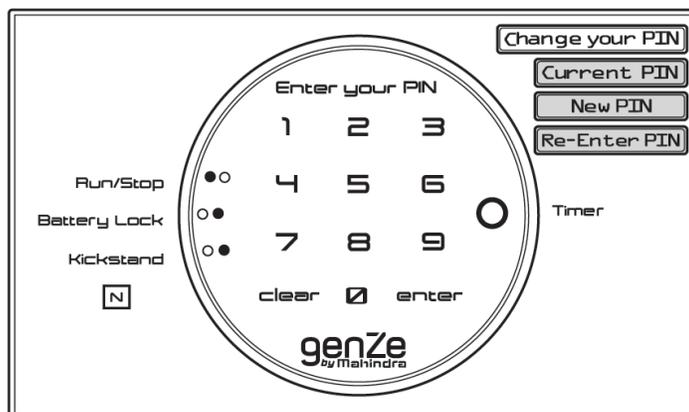
1. Type in your current PIN.



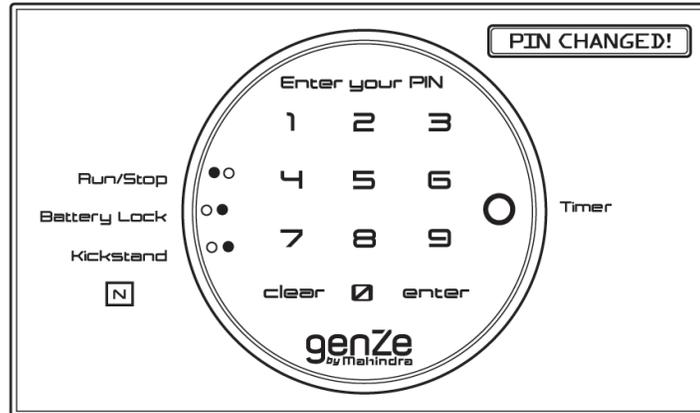
2. *Once your current PIN has been verified, you will be prompted to put in your new PIN.*



3. *You will then be prompted to put in the new PIN again. This must be the same as the PIN entered in step 2.*



4. Once your new PIN has been validated, the screen will return to the Main Screen.



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Starting and Operating

Pre-Ride Inspection

Make sure safety is your first priority by ensuring that your GenZe 2.0 is in good working order. Visual and mechanical checks will be outlined and should always be performed prior to operating. If damaged or worn parts are found during your inspection, do not operate your GenZe 2.0 until the problem has been addressed.

- **Brakes.** Squeeze the brake levers individually while pushing the GenZe 2.0 to see if it rolls. You should be able to lock-up the wheels completely by applying the brakes.
- **Throttle.** With the Run/Stop Switch in the OFF position, fully twist the throttle and release to verify that the throttle is smooth and returns correctly.
- **Tires.** Check both tires for condition and tread depth. Check tire pressure frequently. Maintain correct tire pressure as specified in this manual. See "[Tire Inflation](#)". Replace the tires when the tread height is 0.08 in (2 mm) or less.

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Under-inflation is a common cause of tire failure and may result in severe tire cracking, tread separation, "blowout," or unexpected loss of control causing serious injury or death. Inspect tires regularly to ensure proper inflation levels.

- **Battery Pack.** Make sure the State of Charge (SOC) bar graph on the right side of the Main Screen is indicating a green charge level. To make sure you have sufficient charge for your intended ride, we suggest you recharge before use. Always keep the charger cord with your GenZe 2.0. This will allow you to charge via any electrical outlet.
- **Electrical System.** Check for correct operation of the headlight, turn signals, brake/tail light, and the horn.
- **Cargo.** Balance and safely secure all cargo.

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Starting

1. Grip the handlebar, and place the kickstand in the up position. NOTE: The GenZe 2.0 will not move if the kickstand is down.
2. Sit on the GenZe 2.0 with at least one foot firmly on the ground.
3. Adjust both mirrors before starting. NEVER ride with one hand while you try to adjust a mirror. Adjust each mirror so you can see the lane behind and as much as possible of the lane next to you.
4. The main screen will now power up and prompt you for your PIN. Enter your PIN number by touching the number on the touch screen, and then touch the Enter button.
 - a. If you haven't ridden your GenZe 2.0 in a few days, you may experience an extended power up period. This is normal when your GenZe 2.0 is waking from a power save mode.
5. The Home Screen will now be displayed, and you are ready to ride.
6. Select your ride direction (Forward or Reverse).
7. To avoid losing control, turn the throttle slowly until the speed increases. DO NOT turn the throttle until you are ready to ride.

Tips for better range:

 - Accelerate slowly and smoothly; avoid hard acceleration.
 - Release the throttle, and coast whenever possible.
 - Maximize regeneration by lightly touching the brake. This will activate regen braking without applying the mechanical brakes. This allows the GenZe 2.0 to recover the energy from slowing, rather than dissipating it through brake discs.

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Braking

On the right side of the handlebar is the brake lever for the front brake, and on the left is the brake lever for the rear brake. To slow down or stop your GenZe 2.0, apply front and rear brakes by squeezing the brake levers. Slowly increase braking as you feel your speed reduce.



If you apply the front or rear brake hard or quick enough, it is possible to lock the wheels. This could cause you to lose control of the GenZe 2.0 and could lead to serious injury or death. Progressive use of the brakes should bring

the GenZe 2.0 to a complete stop without locking the wheels. Practice is strongly recommended to perfect safe emergency stops. Before making a turn, reduce your speed. Try not to brake or close the throttle too quickly while turning, or you may lose control.

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Regenerative Braking

*When the GenZe 2.0 is moving and you have rolled off the throttle, the regenerative (regen) braking feature activates when either of the brake levers is squeezed. Regen braking takes some of the energy from the moving GenZe 2.0 and turns it back into electrical energy. This energy is then stored back into the battery pack, contributing to increased energy efficiency. A slight drag is felt when regen braking is activated. Regen braking works in all drive modes, **but it will be disabled if battery energy is greater than or equal to 95%.***

Derating

Derating is a reduction of available power designed to protect your GenZe 2.0 electrical system. It may occur under the following conditions: high ambient temperatures, low State of Charge, extended steep hill climbing, or overly aggressive riding. This is normal. The vehicle will return to regular operation when the system has detected it is safe to do so.

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Powering Down the Vehicle

- 1. With the throttle in the closed position, put the Run/Stop Switch in Stop position. This switch can also be used in an emergency to shut the motor off.*
- 2. Put the GenZe 2.0 in Neutral.*
- 3. Place the kickstand in the Down position.*



Always turn the Run/Stop Switch to the Stop position, and put the GenZe 2.0 Direction Switch in neutral when not actively riding. It is very easy to forget that the GenZe 2.0 is powered up because it is silent when inactive. An accident could occur if it is left powered up while getting on or off your GenZe 2.0.

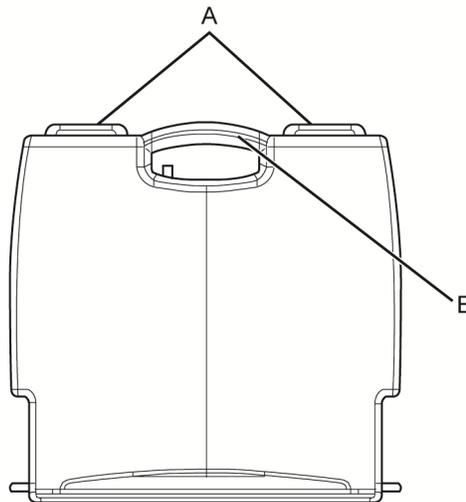
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General Battery Pack Information



Your battery pack is sealed. Never attempt to open your battery. Doing so will void your warranty and could cause serious injury. Please be aware that incorrect handling of the battery pack can be dangerous. Features of the battery pack include carry handle (B) and shoulder strap eyelets (A). This pack features a custom designed electronic Battery Management System (BMS). Make sure to keep the pack away from heat sources. The pack should be handled so that sudden impact is prevented.

- *DO NOT burn, disassemble, modify, or short circuit the pack.*
- *DO NOT immerse the battery pack in water.*
- *DO NOT expose the pack to corrosive materials in any form.*
- *DO NOT place the battery pack in direct sunlight.*
- *Use only the provided charger and charge cord.*



Battery Pack Operating Tips

The safety electronics that monitor this battery use a small amount of electrical current, even when the battery is turned off. Over time this could cause permanent electrochemical damage to the pack, rendering it unusable. In order to prevent this condition, you should charge the battery as soon as possible after it has been fully depleted. You should partially charge the battery before storing it. Under all circumstances, you should charge it at least once every 6 months. Failure to do so may void your warranty.

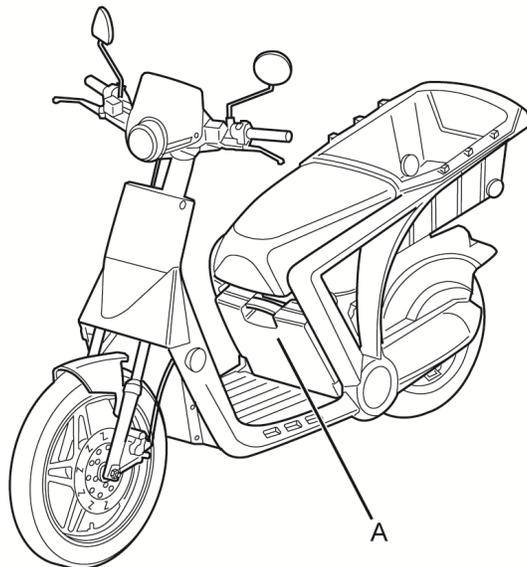
- *Please be aware that battery capacity is reduced at low and high temperatures. The battery can warm itself, but best performance will occur at or near room temperature 70° F (21° C).*

- *Please charge the battery for at least 2 hours before storing, and be sure to charge the battery at least once every 6 months.*
- *Do not charge the battery when it is below freezing 32° F (0° C).*
- *Avoid dropping the battery or subjecting it to physical damage.*



*Under no circumstances should the battery be altered, rewired, or otherwise modified, nor should it be exposed to open flames. Such actions will void the warranty. **This battery is non-serviceable and should not be opened.***

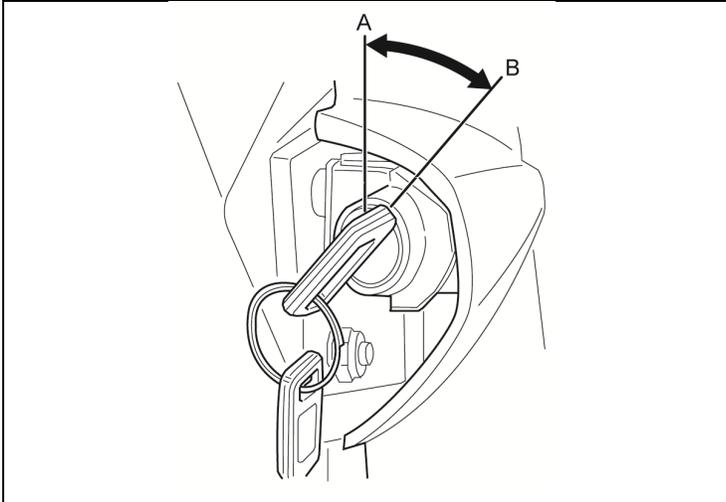
The battery pack (A) is located under the front of the seat. The battery pack also features an integrated charger, so it can be charged while installed or removed from your GenZe 2.0.



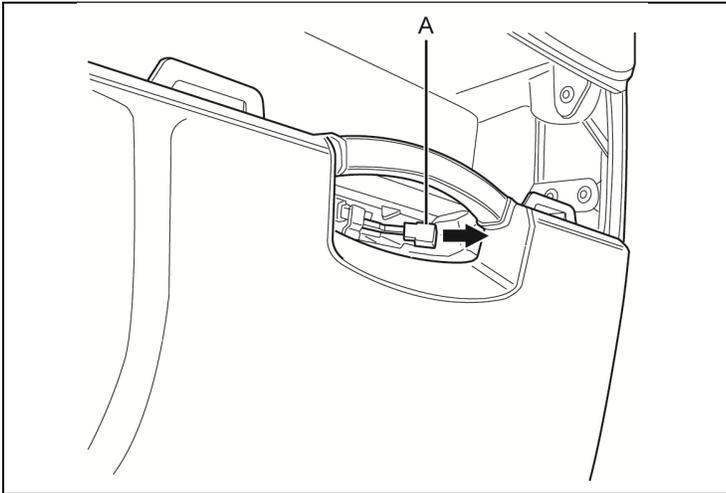
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[*Battery Pack Replacement*](#)

[*Removing the Battery Pack*](#)

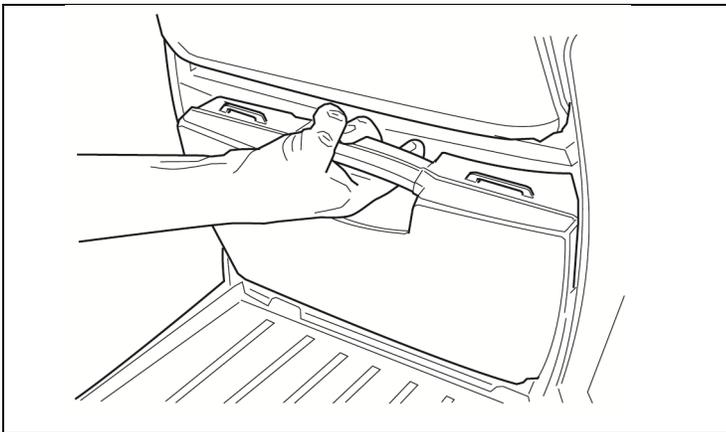


1. Turn the battery pack key lock to the unlock position (B) to remove the battery pack.

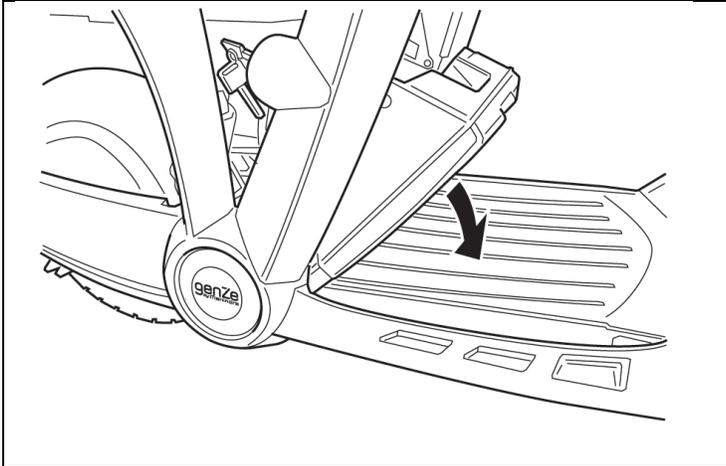


2. Push the top latch (A) to the side to release the battery.

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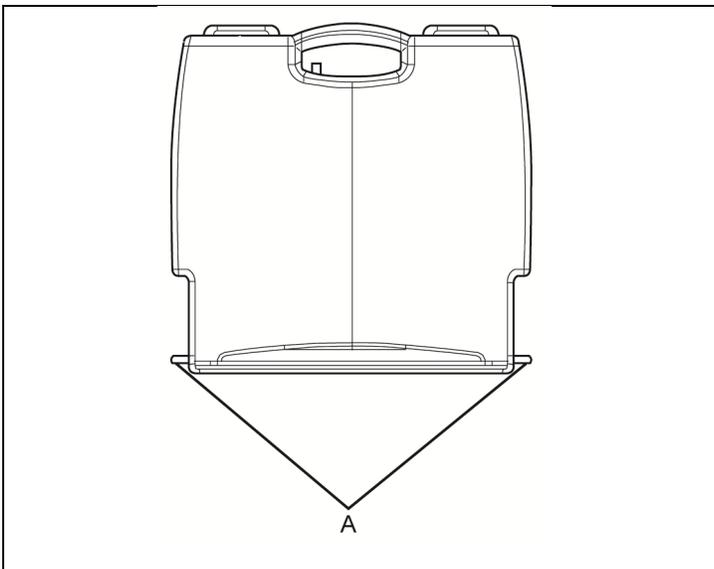
3. Using the carry handle, pull the battery pack straight out at the top towards the front of the GenZe 2.0.



4. *Slide the battery pack out of the tracks at the bottom of the frame.*

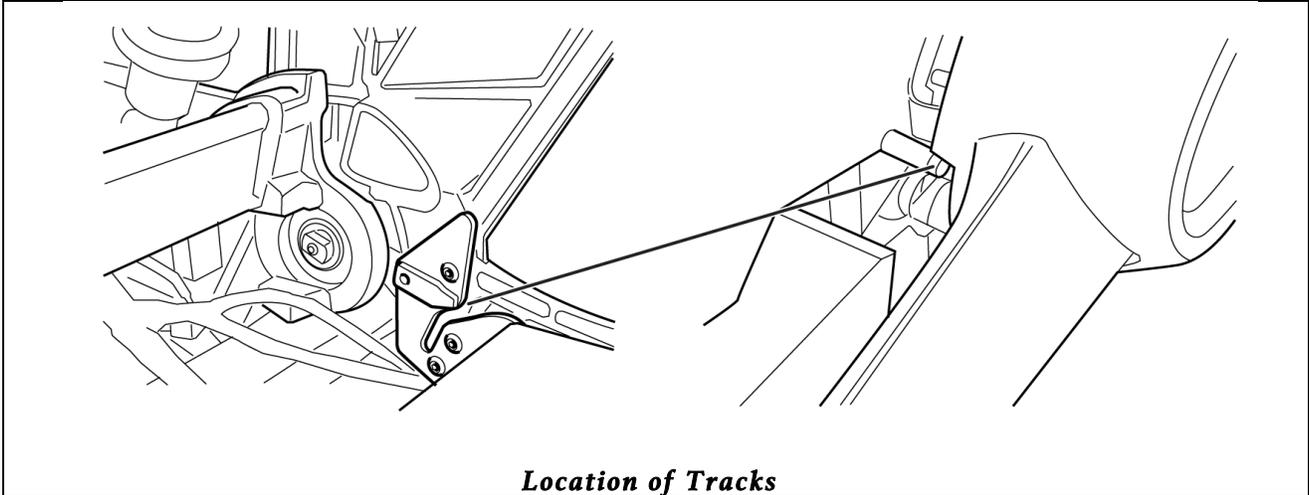
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Installing the Battery Pack

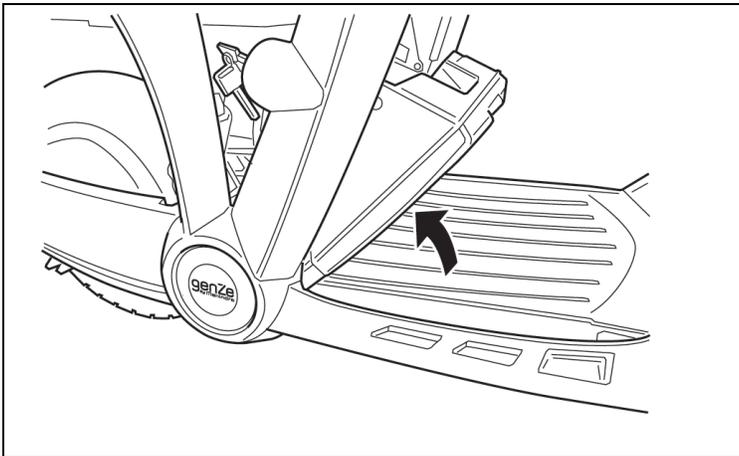


I. *Set the two bottom battery pack pegs (A) into the tracks in the frame. Continue to slide the battery pack backwards until the pegs are at the bottom of the tracks.*

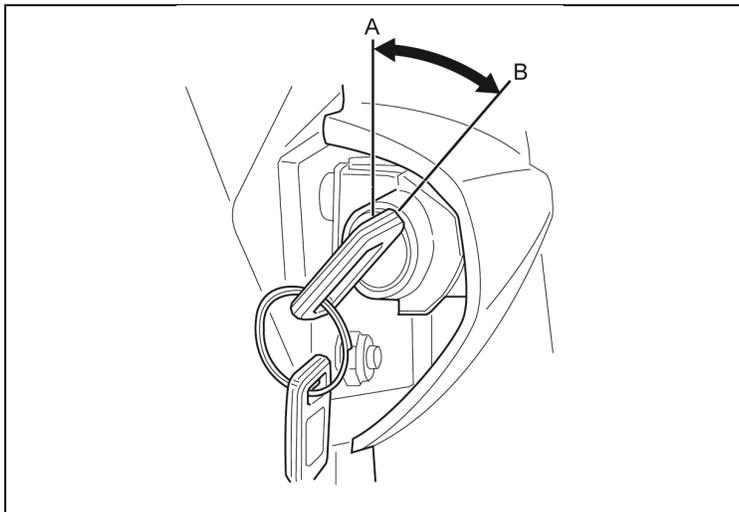




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2. Rotate the battery pack upward, and push on the handle until battery pack latch post has engaged latch. You will hear an audible click.



3. Turn the key lock to the lock position (A) to fully secure the key deadbolt into the battery pack. Remember, the key lock must be in the locked position in order for the throttle to operate.

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Battery Pack Charging



Your charger will reach temperatures of up to 130° F (55° C) while charging. Be mindful where you leave your battery while charging and when handling after your charge is complete.

Actual charging times will vary depending on different factors including temperature and current state-of-charge (SOC). Charging a depleted battery pack to 100% will take about 4-5 hours.

Your charger is designed and tested to standards which allow for safe indoor charging of the GenZe 2.0 battery pack. During charging, the case temperature of the charger may get warm, and you should exhibit caution when handling. When charging, the battery pack should be kept off of surfaces which can melt and out of the hands of children. If the charger is to be used outdoors or in a wet or location, a GFCI outlet or cord should be used. You can purchase a GenZe 2.0 GFCI protected cord at your authorized dealer.

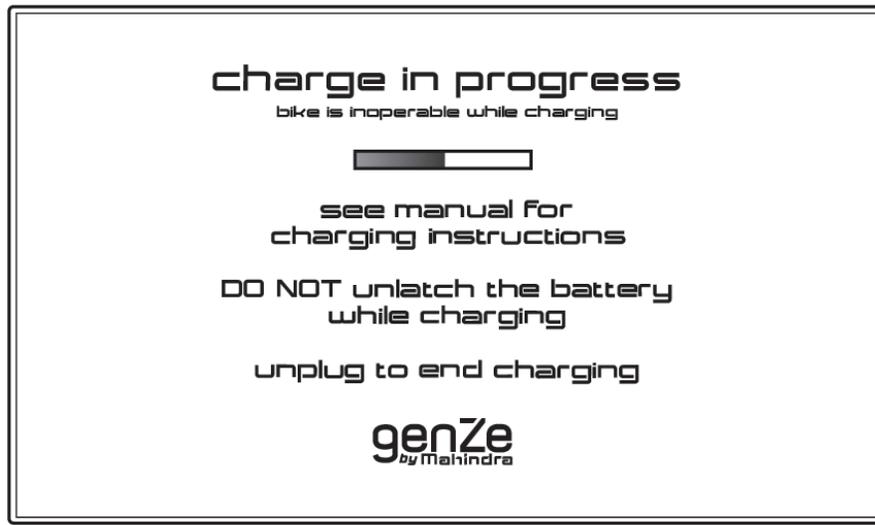
A green LED is located on the side of the charger and indicates the condition of the charger and where it is at in its charging process.

LED	Time	Meaning
Blinking	2 Seconds	Below 80% SOC
Blinking	5 Seconds	Above 80% SOC
On	Solid	Charged to 100%
Off	-	Charger not charging. Check the power cord or the AC power outlet.
Blinking	3 fast blinks-off-3 fast blinks	Charger error. Unplug the charger for 30 seconds then plug the charger back in. If the condition persists, contact your authorized dealer.

Battery Charge Status Indicator Screen

*The green indicator bar shows the State of Charge (SOC) of the battery while it is connected to the GenZe 2.0 and charging. **Note:** Do not remove the battery from the GenZe 2.0 while it is charging.*

***Note:** After removing the charge cable, wait 30 seconds or until the green light on the battery is no longer blinking before pressing the start button.*



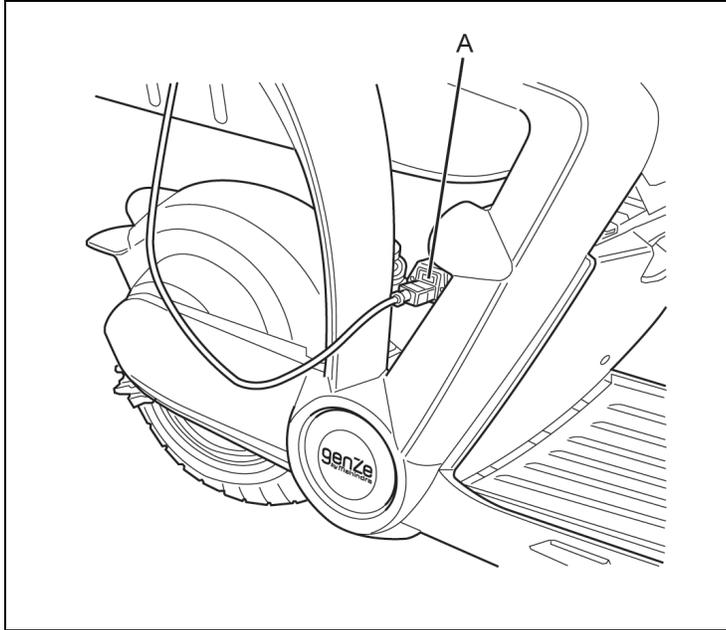
After Charging and Operation

After charging your GenZe 2.0, you need to wait 25-30 seconds before turning it on. This is true whether the battery pack is installed in the GenZe 2.0 and charging or is outside of the GenZe 2.0 and charging. As a visual cue, you will know the 25-30 seconds time period has passed and the GenZe 2.0 is OK to ride when the green LED charge indicator is no longer present.

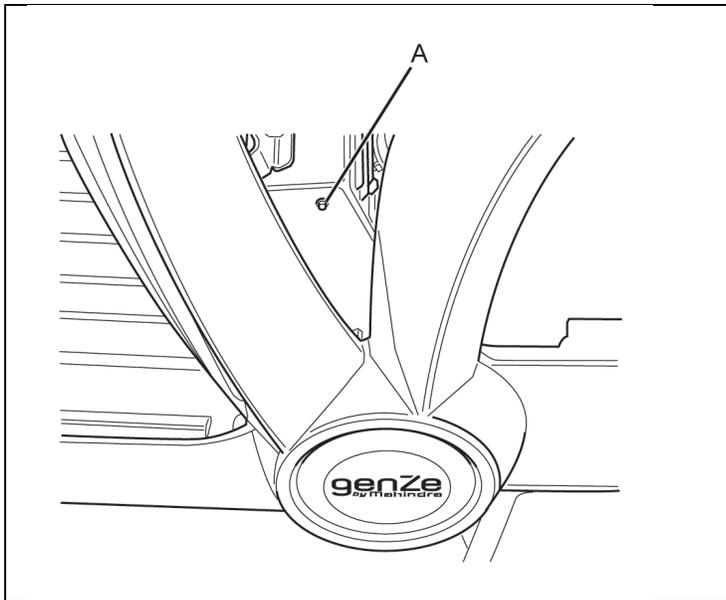
Battery Maintenance

If your GenZe 2.0 will be exposed to temperatures below freezing, it a good idea to bring the battery pack indoors. Exposing the battery pack to cold temperatures for extended periods of time will affect the life of your battery pack, as well as vehicle range your battery pack provides.

On-Vehicle Charging



1. Plug the supplied AC power cord (A) into the charger connector. Always keep the power cord with the GenZe 2.0. Always connect the charger to a GROUNDED outlet.
2. If the battery is charged outside, it should be plugged into a Ground Fault Current Interrupter (GFCI) outlet. A portable GFCI cord is available as an accessory from your GenZe 2.0 authorized dealer.

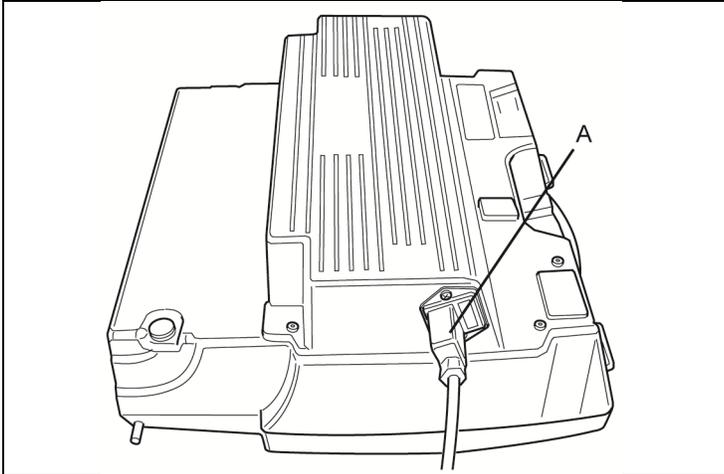


3. Remove and store the AC power cord when the green LED (A) is solid.

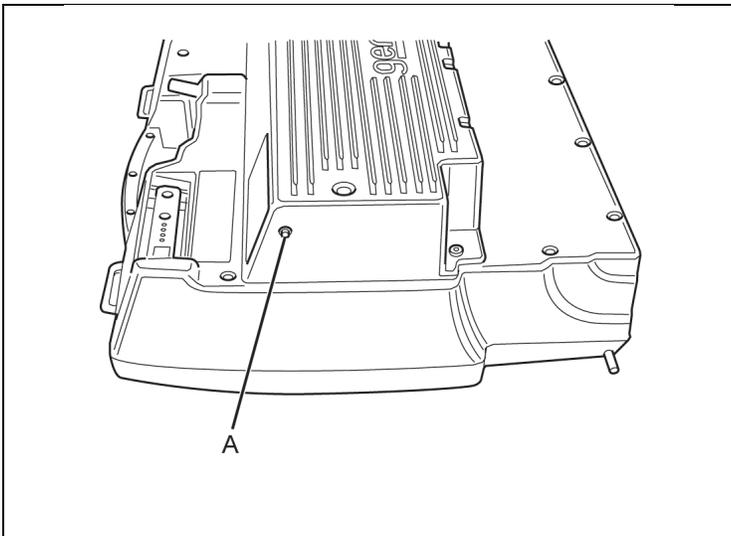
NOTE: After unplugging the battery, you must wait for approximately 30 seconds before turning on the GenZe 2.0. The charger requires this time to shut down. Pressing the Start Button before this time has elapsed will not turn on the GenZe 2.0.

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[Off-Vehicle Charging](#)



1. Remove the battery pack. See **[“Battery Pack Replacement.”](#)**
2. Plug the supplied AC power cord (A) into the charger connector. Always keep the power cord with the GenZe 2.0. Always connect the charger to a GROUND^{ED} outlet.



3. Remove and store the AC power cord when the green LED (A) is no longer blinking.

NOTE: After removing AC connection, you may immediately place the battery pack in the GenZe 2.0. However, at least 30 seconds must be given before the battery pack is ready for use. Pressing the Start Button before this time has elapsed will not turn on the GenZe 2.0.

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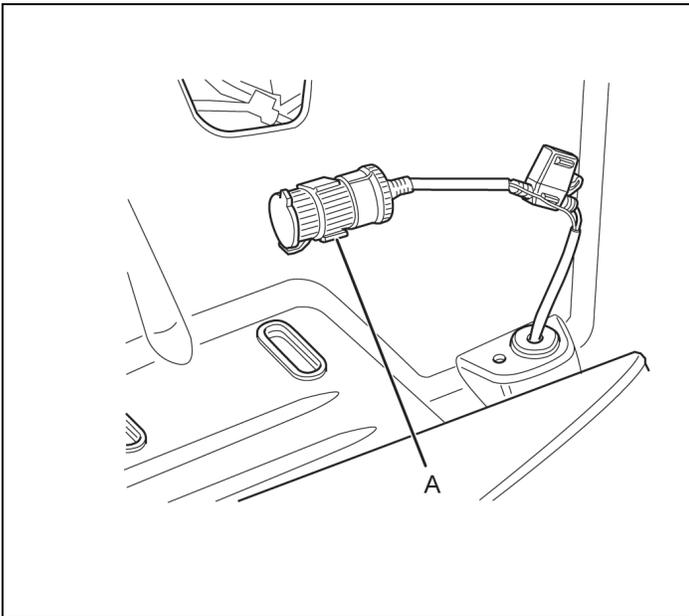
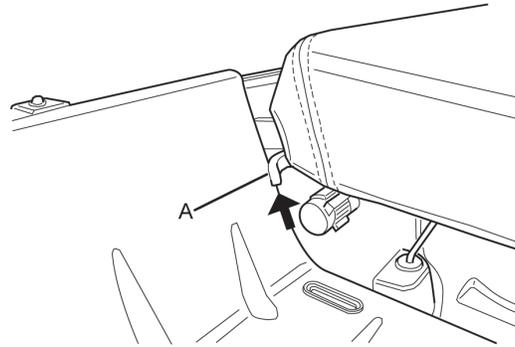
[Recycling Your Battery](#)

Lithium-ion batteries should not be thrown away. Once the battery has reached the end of its useful life, customers need to contact an authorized battery recycler to properly dispose of the battery in accordance with applicable federal and state laws and ordinances. Customers can find a partial list of battery recycling companies at <http://www.allcelltech.com/resources/links>.

[Storage Areas](#)

Ample storage areas make the GenZe 2.0 very versatile. Storage areas are located in front of the handlebar, and a rear storage area is located behind and under the seat. Always secure your cargo prior to riding. To fully access the rear storage area, the seat can be raised. To raise the seat, pull up on the seat and lever (A), and raise the rear of the

seat. The seat will lock into the raised position. To lower the seat, pull up on the seat and the lever, and lower the seat.



The rear storage area also features a charge outlet (A) that will charge your personal 12 volt electronics up to 7 amps. This will be powered any time the system is ON. Always replace the charge outlet cover when not in use.

⚠ WARNING

DO NOT EXCEED the maximum load carrying capacity of the rear cargo storage area. The cargo storage area is rated for 75 lbs. (35 kg).

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Maintaining Your GenZe 2.0

Basic Care of Your GenZe 2.0

Your GenZe 2.0 is meant to operate in all kinds of weather conditions and is basically maintenance free.

Washing

A quality automotive soap works best in getting off road dirt and grime. Avoid brushes and abrasive scrub pads. All of these will scratch the finish. Use a soft sponge or hand towel to wash the body panels. AVOID using high pressure washers as they may damage wiring harnesses. A battery pack should NEVER be pressure washed.

If you live close to an ocean, avoid prolonged exposure to ocean spray or salt water. If either comes in contact with your GenZe 2.0, wash it immediately.

Wheels and Tires

Inspect both wheels for the following:

- Bent or cracked rims
- Impact marks on the rims

Inspect both tires for the following:

- Cuts, cracks, splits, or missing tread lugs in the tread or sidewall area
- Bumps or bulges within the tire body
- Visible tread wear indicators
- Uneven tire tread wear - wear on one side of the tire tread or flat spots in the tire tread indicate a problem with the tire or your GenZe 2.0.
- Exposed tire thread or cords - if either of the wheels or tires are found to have any of the above conditions, replace the wheel and tire immediately.

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Tire Inflation



Under-inflation is a common cause of tire failure and may result in severe tire cracking, tread separation, “blowout,” or unexpected loss of control causing serious injury or death.

Tire pressure should be checked and adjusted to the proper inflation levels before each ride. Tire pressure should be checked using an accurate gauge when the tires are cold. This means that the tires have not been ridden on for at least 3 hours. Always replace the valve stem cap when finished adjusting tire pressures.

Front Tire	Rear Tire
33 PSI (228 kpa)	33 PSI (228 kpa)

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Long Term Storage

The GenZe 2.0 should be stored in a clean dry space. Extreme moisture and dampness should be avoided. Remove the battery pack, and store it in a climate controlled area.

General Troubleshooting

Symptom	Possible Cause	Possible Solution
<i>Does not charge</i>	<i>AC power missing</i>	<i>Check AC power outlet for voltage</i>
	<i>Damaged AC charger cord</i>	<i>Immediately replace the AC cord</i>
<i>Cruise Connect touch screen does not turn on</i>	<i>Run/stop switch OFF</i>	<i>Turn run/stop switch ON</i>
	<i>Depleted battery pack</i>	<i>Charge the battery pack</i>
<i>Will not move</i>	<i>Kickstand down</i>	<i>Put kickstand up</i>
	<i>Run/stop switch OFF</i>	<i>Turn run/stop switch ON</i>
	<i>Discharged battery pack</i>	<i>Charge battery pack</i>
<i>Handlebar shakes</i>	<i>Incorrect tire pressure</i>	<i>Inflate tire to the correct pressure</i>

Specifications

Performance	
<i>Top Speed</i>	<i>Forward: 30 mph (48.3 km/h) or lower based on your local state regulations (preconfigured by GenZe)</i>
<i>Range</i>	<i>30 miles (48.3 kilometers) per charge (Actual results may vary)</i>
<i>Driving Mode</i>	<i>Sport (High performance) Econ (Range maximizing) Easy/Safe (New rider orientation)</i>
<i>Acceleration</i>	<i>0 mph to 30 mph < 8 seconds (170 lbs rider and 20 lbs cargo)</i>
Battery	
<i>Battery Type</i>	<i>Removable Li-Ion battery pack</i>
<i>Battery capacity</i>	<i>1.6 kWh nominal</i>
<i>Voltage</i>	<i>58.8 VDC at max charge and 42 VDC at min charge – 52V nominal</i>
<i>Charge Time</i>	<i>Maximum charge time of 4.5 hours. Under normal use expect a charge time of 4 hours or less. (Approximately 10 minutes per mile)</i>
<i>Charger Input</i>	<i>100V/240V AC, 50/60 Hz, 6A max</i>

<i>power</i>	
<i>Battery life</i>	<i>900 cycles to 80% of initial capacity. (Actual results may vary)</i>
Motor	
<i>Peak Torque (Nm)</i>	<i>100 Nm</i>
<i>Motor Type</i>	<i>Brushless permanent magnet hub motor</i>
<i>Climbing Performance</i>	<i>Up to 20% grade</i>
Structural	
<i>Frame</i>	<i>Powder coated, welded aluminum</i>
<i>Suspension</i>	<i>Telescopic oil dampened front fork with internal coil springs, twin oil dampened coil over shock rear swing arm suspension</i>
<i>Brakes</i>	<i>Single piston hydraulic disc brakes front and rear</i>
<i>Regenerative braking</i>	<i>Yes</i>
<i>Tire-Front</i>	<i>100/80-16</i>
<i>Tire-Rear</i>	<i>130/70-12</i>
<i>Tire Pressure</i>	<i>Front-33 PSI (230 kpa) Rear-33 PSI (230 kpa)</i>
<i>Curb Weight</i>	<i>236 lbs. (107 kg.)</i>
<i>Seat Height</i>	<i>29.5 inches (749 mm)</i>
<i>Carrying capacity</i>	<i>304 lbs total weight. (504 lbs GVWR)</i>
<i>Wheelbase</i>	<i>50 inches (1267 mm)</i>
Instrumentation	<i>7 inch LCD touchscreen</i>
Lighting	<i>All LED lights</i>
Auxiliary Power	<i>Rear connection for 12V charging</i>
Emissions	<i>Zero</i>

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying GenZe.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or GenZe.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.