

# BEAST 2.0

STANDARD / DELUXE / D

## USER MANUAL



 **DAYMAK**

# ***About Daymak***

Daymak is one of Canada's largest Alternative Vehicle providers. We design, engineer, manufacture, import and repair everything from recreational dirt scooters, go-karts and electric golf carts to alternative transportation solutions such as e-scooters and gas scooters.

Our electric scooters represent an energy-efficient and eco-friendly alternative for people who need to get around the city. They greatly increase the practicality of scooter transportation in urban centres. Costing only a few cents to charge, an e-scooter can make city life more convenient and much less expensive.

While there are many new Green technologies that are still in their infancy, electric scooters have been developing over the last 40 years or more. E-scooter technology has been dramatically refined since the introduction of the first custom-conversion scooters. Today, electric scooters are a supremely reliable and affordable means of transportation.

Daymak is constantly developing new eco-friendly alternative transportation strategies, led by its own Research and Development department in Toronto, Canada. We are always improving our products. Our innovative in-house engineering and quality testing provide customers with many new kinds of reliable, eco-friendly vehicles, designed to help change the lives of our customers and the world.

Daymak warranties, services, and stocks parts for everything it sells. We support our products.

Please feel free to visit our website. You'll find the latest in cool transportation solutions, support for the products you've purchased and contact information.



# ***Safety***

When operating the Beast please make sure you adhere to the following:

Always check your mirrors and blind spots when operating through trails.

Turn on headlights when in need of additional visibility.

Make sure that your battery power is sufficient before you go out to ride

Do not ride with more than 1 passenger unless fitted to do so.

Once the battery is fully charged remove the charger.

Do not try to operate the unit while charging.

Do not let anyone under the age of 16 years old operate this vehicle.

Do not operate this unit up extreme inclines to avoid tipping.

Do not make sharp / abrupt turns at high speeds to avoid tipping.

Do not operate under the influence of drugs or alcohol

Do not operate at excessive speeds.

Do not completely submerge the unit in water



# Scooter Part Diagrams

Diagram 1: The Beast Electric Scooter



- |                      |                        |                         |
|----------------------|------------------------|-------------------------|
| 1. Headlight         | 8. Pedals              | 15. Ignition            |
| 2. Turn Signals      | 9. Motor               | 16. Display             |
| 3. Shocks            | 10. Seat Lock          | 17. Brake Lever - Front |
| 4. Tires             | 11. Trunk              |                         |
| 5. Foot Rests        | 12. Charging Port      |                         |
| 6. Center Kick Stand | 13. Seat               |                         |
| 7. Side Kick Stand   | 14. Brake Lever - Rear |                         |

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# Beast Operation

## Turning the Unit On



Below the front display you will find a key hole where you put the keys that have come with your Beast.

1) Turn the key to this position to turn the unit on. The Key cannot be removed while it is in the on position.

2) Turn the key to this position to turn the unit off.

3) Turn the key to this position to engage the steering lock. For more information on how to engage the steering lock please read below.

Do not turn on the unit until you are properly situated on the unit.

## Engaging the Steering Lock

As another added level of protection, the Beast 2 comes with a steering column lock that prevents the wheel from turning to prevent theft.

To engage the steering lock you must do the following:

Step 1 ) Turn the handlebars so they are pointing to the left (as if you were sitting on the machine)

Step 2) Put the key into position 2 (see above) and **push down while turning counterclockwise**

Step 3) Once it is in position 3 (see above) remove the key

Reverse this process to disengage the steering lock



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# Driving the Beast

## Engaging the motor

On the right handlebar is a throttle that must be rotated towards you (bring the back of your hand towards your body) The throttle is very sensitive so be sure to turn it slowly. Make sure that you are either on the unit and can easily turn on the brakes (see below), or the unit is on a center kickstand. (See the center kickstand section)



## Braking

The Beast 2 has a front and rear hydraulic disc braking system that allows you to stop quickly. On either side you will find brake handles like this. On the beast the **left brake handle controls the rear brakes** and the **right handle controls the front brakes**.

You can also adjust the brake handles so that they are closer or further from your hand by moving the needle pointing to 1 up to 5 positions.



**\*PLEASE NOTE\*** Always use the rear braking first before applying the front brake to avoid injury.

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# Beast Operation (cont'd)

## Turning on your unit

Handlebars, on each unit you will find a few buttons and switches. Here is what everything does.



### Left Handle Bar

1) High Beam / Low Beam - Toggle this switch to choose between a low or high angle of the headlights. (The headlight must be on for this to have an effect)

2) Turn Signals - Push this to the left to indicate turning to the left and into the middle once your done. Push this to the right if you are turning to the right.

3) Reverse switch - Press and hold this while engaging the throttle to go in reverse.

**\*PLEASE NOTE\* Always be aware of your surroundings when operating this in reverse and use it at your own discretion**

4) Horn - Push this to honk the horn.

### Right Handle Bar

1) Front Brake - Pull this lever to engage the front brake. **(Use the rear brake first located on the left handle bar.)**

2) Throttle - Slowly rotate this towards you to engage the motor.

**\*PLEASE NOTE\* At first always turn the throttle with the unit on the center kickstand to get a feel for it. If not on the center kickstand, always be sitting on the unit before turning the throttle.**

3) Horn - Push this to honk the horn.

4) Lights - Push this to the right most position to turn on all lights. Push this to the middle position to have just the rear lights on. Push this to turn off all the lights.

5) 3 Speed Switch - Choose between 1 of 3 speeds. Position 1 will get you the furthest range at the slowest speed. Position 3 will get you there fastest with the shortest range.



# Beast Operation (cont'd)

You will find above the ignition a display that will show you your metrics and performance for your Beast.

## Display

**1) Speed** - This display shows you how fast you are going in km/h

**2) Motor Power** - This meter shows how much power is being drawn from the motor. The more power being drawn the faster the your battery will drain.

**3) Odometer** - This shows how many kilometers you have travelled on this unit.

**4) Battery Meter** - This shows how much power you have left before you need to charge. Once you start getting below 50% its advisory to get to a charging station.

**\*PLEASE NOTE\*** The battery meter will dip down when it starts and then go back up to a steady power level. This is normal.



## Beast D - Motor Switch

If you have the Beast D, on the left handlebar you will also find a green switch like the one to the right. This changes it from dual or single motor.

**Put this switch up to engage just the rear motor or down to engage both front and rear motors.**

**\*PLEASE NOTE\*** The battery will draw exponentially faster with both motors running and all range estimates are for single motor use only.



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# Charging the unit

After using your Beast, you will need to charge the unit. The Beast comes with a charger that you can use to plug into a regular outlet. (The deluxe unit charger looks different slightly but functions the same way).

If you are sitting on the Beast on underneath the seat between your legs you can find the charging port.



When the charger is plugged in the wall and not into the unit the light will appear green. Then plug the charger into the charging port as seen below. The charger LED will turn red.

After the unit is fully charged the charger will turn green again and you can unplug the unit.

**\*PLEASE NOTE\* Do not leave the charger plugged in for extended periods of time after it is finish as it will ruin the battery life and can possibly become a fire hazard.**



Please note - You can charge the unit at any point of its usage. You do not need to let the unit run fully down before charging it again and does not count as a full cycle of the battery.

## Remote / Alarm

The Beast comes with a remote as well that has multiple functions. Here is what they do.

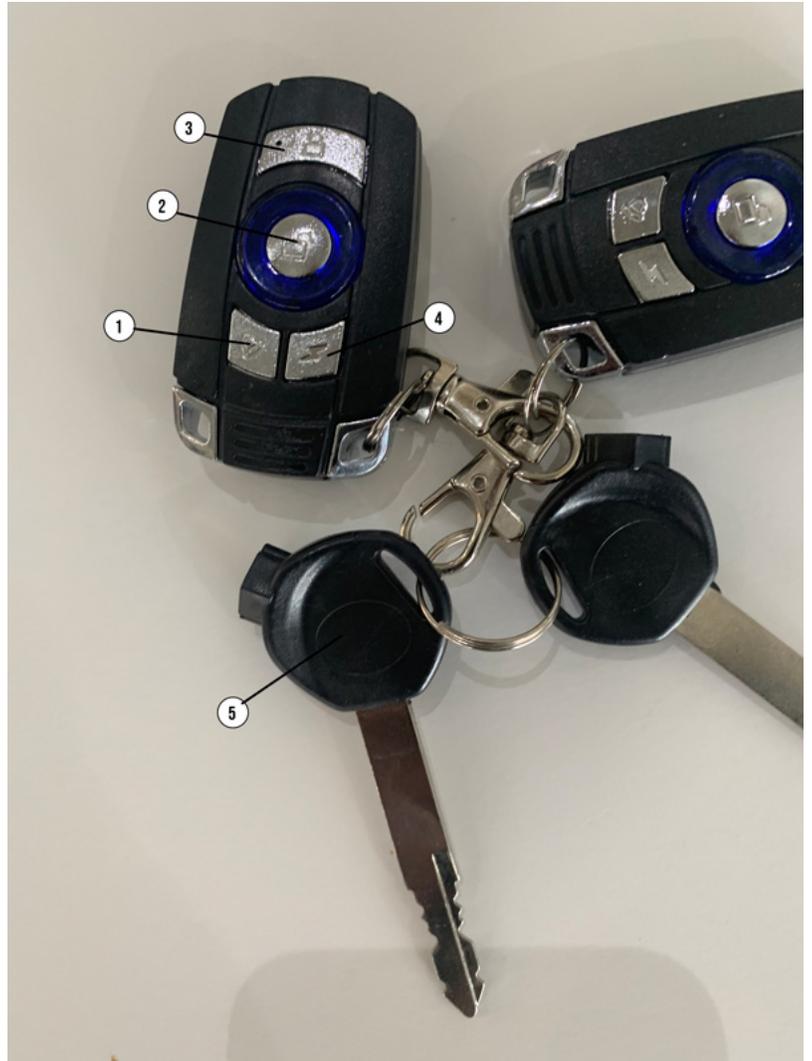
1) Panic Button - Press this button to set off the alarm. Use this in case of emergencies or to locate your vehicle.

2) Unlock Button - Press this button to disable the alarm. Press this before riding your Beast.

3) Lock Button - Press this button to arm the alarm. The alarm will not engage until 5 seconds after you arm it. Press this button once you have finished riding it.

4) Remote Start - Press this twice to start the bike without using the keys. Press the remove alarm button (2) to disengage the remote start

5) Ignition Key - Use this to turn on the unit, engage the steering lock, or unlock the seat lock.



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## Foot rests

The Beast comes with extendable foot rests so you can take an extra rider (for the rear ones) or change your riding style (for the front ones)

Using your feet push the foot rests towards the Beast and it will pop out.

Reverse this process stick them to the sides of the Beast.



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## Pedals

The Beast also comes with pedals in case that you run completely out of power you can propel manually

On each pedal on the axel where it screws in you can find an R or an L for right or left respectively. Screw those into the right and left pedal arms of the unit.



## Kick stands

The Beast has two kickstands, a side kickstand for quick use and a center kickstand for more sturdy storage.

**Side Kick Stand** - This is the side kick stand. Use this for short term storage. Simply push this down with your feet and lean the Beast towards it to stand the unit.

**\*PLEASE NOTE\*** The unit can still be tipped with the side kick stand on. For more secure storage use the center kick stand.

**Center Kick Stand** - The center kick stand should be used when you are storing it for long periods of time. It is much more secure, however takes more effort to set it up. On the next page you can find the step by step guide on how to engage the center kick stand.



## Kick stands (cont'd)

### Engaging the center kick stand -

1) First put your right foot on the black metal pad of the center kick stand as seen here, and with your right hand hold on to the rear rack of the bike.

2) Simultaneously put your weight down on your right foot while pulling up with your right hand.

The unit will prop itself up and is now engaged!

**\*PLEASE NOTE\* There is a bit of a learning curve to doing this. Practice makes perfect!**



### Disengaging the Center Kick Stand

1) First put your left foot directly in front of where the center kick stand meets the ground.

2) Push the unit forward almost as if you were about to roll over your own foot.

The center kick stand will snap back and the tires will hit the ground. Move your feet from under the unit and you're ready to go.

**\*PLEASE NOTE\* Once the unit is on the ground do not continue rolling it so that you run over your own foot.**

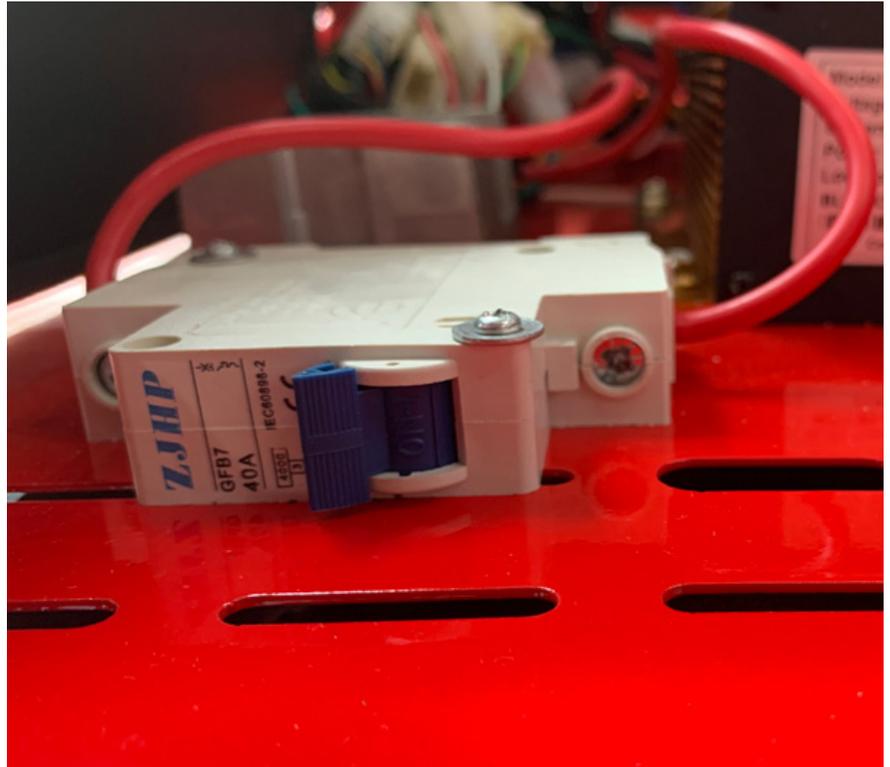


# Circuit Breaker

To prevent surges that may damage the unit, the Beast comes with a circuit breaker. This is located underneath the seat just above the controller.

There is a blue switch that in the event of a surge will trigger and turn the whole unit off.

In the event that your unit does not turn on at all (the display does not light at all once the key is in the ignition) it is most likely that the circuit breaker is set to off. Open the seat lock (see previous page for where the lock is located) and switch this switch to on.



# Mirrors

The Beast comes with a set of mirrors that screw on each handlebar. Screw each mirror into the appropriate side (left mirror on left side etc). Until it is loosely in the position you want. Then take a wrench and tighten the bolt at the bottom of the mirrors to make it stick in that position.

Please note mirrors may look slightly different then shown here



# Quick Release Carrying Case

The Beast comes with a quick release carrying case that can be take off or locked on to the unit. To unlock or lock this case use the set of red keys that came with your unit.

**To unlock** the case simply put the key in and turn it and lift up the lid.

Once the lid is unlocked you will find a red button. Press it and lift the case up if you want to take the whole case with you . When putting it back on make sure it snaps back into the two groves at the top and the one groove at the bottom



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# Locking the Quick Release case

To lock the quick release case you have to take a few steps. Once your done lightly pull the top of the lid to make sure it is properly locked. A quick video can be seen here : <https://youtu.be/Ox0lIfP9XOA>

1) Put the key into the lock horizontally



2) Using your fingers push the top panel towards the case,



3) Using your thumb while still pushing the top push the bottom panel down



3) Using your second hand while holding everything else with your first. Turn the key so it is vertical



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# ***Maintenance***

Always ensure that your tire pressure is to the recommended value of your unit. You can find the PSI value on the side of each tire.

Check your brakes before you ride, make sure they are firm and the unit does not move while they are being pulled.

Check that all lights are working, headlights brake lights and signal lights.

When storing it outside, use a cover to prevent weather damage to the unit. If possible bring the whole unit inside. Otherwise if possible bring the battery inside.

Bring in your unit to your local Daymak dealer for a yearly check up if possible.

Do not over charge the battery, once the battery is fully charged unplug it as soon as possible.

## ***Tips and Tricks***

Whenever you get off your vehicle for a longer period of time, put on the center kickstand. This will prevent it from rolling away down hill, and will also stop someone from accidentally engaging the motor while off the vehicle.

When engaging the throttle always start slowly to get a feel of how quickly the unit may move.

When braking, use your rear brakes first, and then your front brakes for safest stopping.

An additional lock is advised when leaving it outside for extended periods of time, secure a safe lock to the frame to prevent theft.

If the display does not turn on at all when you put the key in the ignition check the breaker switch underneath the seat to see if it is set to "ON"



***Thank you for choosing Daymak***

