



## USER MANUAL

Sakatah™ Trail Rider



# TRAILRIDER

### ATTENTION:

Please read this manual carefully  
before using the electrical tricycle. If  
you have any questions, contact  
[Support@SAKATAH™Bikes.com](mailto:Support@SAKATAH™Bikes.com).

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**SAKATAH™**

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# Getting Started

Congratulations on purchasing your SAKATAH™ Trail Rider. This manual is written to help you get the best performance, comfort, enjoyment, and safety when riding your new electric tricycle. This manual will describe specific care and maintenance procedures that help protect your warranty and ensure years of trouble-free use. It is important to note the section on battery charging and maintenance.

Understanding your new electric tricycle, its features and its operation, is essential. Please take the time to read through this manual thoroughly and we recommend that your first ride is taken in a controlled environment.

Enjoy the Ride!

## Important Safety Instructions

Riding any kind of bicycle or tricycle comes with risks and dangers that cannot always be predicted or avoided. Cycling can be hazardous even under the best of circumstances. These dangers are serious and could result in injury or death to the rider. It is solely the rider's responsibility to educate themselves, be prepared, and ride safely.

Proper maintenance of your electric tricycle is your responsibility, and it helps to reduce the risk of injury. SAKATAH™ recommends that all customers have a certified and reputable bicycle mechanic complete a full inspection of each component to ensure it is safe for operation. SAKATAH™ makes no guarantee that any of the individual components,

parts or accessories will be properly secured, adjusted, or calibrated upon arrival.

In addition, SAKATAH™ strongly recommends the following safety precautions:

## **A. Intended Use**

The intended use of your SAKATAH™ Trail Rider is to be ridden by one adult rider (age 18+) at an appropriate time and place for transportation or recreation. Your tricycle is not intended for off-road or mountain-biking or for any kind of jumping. Riders should be proficient cyclists and ride on paved surfaces and on roadways or trails only where permitted by local laws. Your tricycle should not be used to tow another bicycle. Riders are required to have the physical coordination, reaction, and mental capabilities to control a bicycle and manage traffic situations. Consult a doctor before using your device if you are or may be pregnant, have a heart, respiratory, back, joint or other orthopedic condition, high blood pressure, difficulty with physical exercise, or have been instructed to limit physical activity.

Keep small parts away from children.

Do not modify your frame or bicycle in any way, whether it is sanding, drilling, filing, removing parts or installing incompatible components or hardware. Doing so could result in injury and would nullify the warranty.

## **B. Always Wear a Helmet and Proper Equipment**

- Helmets significantly reduce the number and severity of head injuries. Always wear a helmet that complies



with your state laws when riding an E-Bike. Check with your local police department for requirements in your community.

- Make yourself more visible to vehicles and other bikers on the roads and trails by wearing reflective clothing. Keep your reflectors clean and properly aligned.
- Use head and taillights in reduced lighting conditions.
- Wear sturdy shoes and make sure there are no baggy or loose-fitting items that could get caught up in the chain, spokes or gears while riding, such as long laces, baggy pants, tassels or scarves.

## **C. Know Your Electric Tricycle**

Your new electric tricycle incorporates many features and functions that you may be unfamiliar with. Read this manual thoroughly to understand how those features enhance your riding enjoyment and safety. Take the time to become familiar with these features prior to riding your tricycle for the first time.

## **D. Ride Within Your Limits**

- Always be conscious of eBike regulations in your area. Generally, those regulations can be the same as a bicycle, however, there may be local differences such as where you can ride, minimum rider age, or required equipment or licenses. It is your responsibility to know the regulations and adhere to them.
- Take it slowly until you are familiar with the tricycle and the riding conditions.
- Poor weather conditions can reduce traction and affect braking performance.

- Never ride faster than conditions warrant or beyond your riding abilities. If riding at night, be aware that there are more risks due to decreased visibility by you and others on the road. Turn lights on for safety and use increased caution at night.
- Always keep both hands on the handlebar grips and near the brakes when riding
- Remember that alcohol, drugs, fatigue, and inattention can significantly reduce your ability to make good judgments and ride safely.
- Do not ride distracted. Always remain alert to conditions. Using the display or other technology such as cell phones and music players can be a distraction. Adjust settings on your display when stopped. Do not use headphones or text while riding.
- Brake Sooner – You may be moving faster on your eBike and it is likely heavier compared to a normal bike, which means you may need to brake sooner. Other road or trail users may not be expecting you to travel at faster speeds. Watch out for obstacles. Braking while steering could force you to swerve suddenly or lose control.
- Use caution when riding in wet conditions. It will take longer for you to brake and your tires may slip when turning. Risk of a crash is dramatically increased in the rain. Your electric tricycle is designed to withstand light rain and small splashes but not to be subjected to inclement weather, heavy showers, or submersion in water. Water damage is not covered by the warranty.

## **E. Keep Your Electric Tricycle in Safe Condition**

For your safety and enjoyment, and to ensure a long life for your electric tricycle, inspect and maintain your electric tricycle regularly. Follow the inspection and safety guidelines throughout this manual. Be sure to check critical safety equipment before each ride.

## **F. Cleaning**

Clean your SAKATAH™ eBike carefully with a soft, damp cloth using only mild soap and water.

DO NOT submerge your eBike or its components in water.

DO NOT use a pressure washer to clean.

COMPONENT OR CONDITION	INSPECT BEFORE EVERY RIDE	INSPECT PERIODICALLY*	CLEAN AND/OR LUBRICATE	ADJUST/TIGHTEN	REPAIR/REPLACE IF NECESSARY
Tire pressure(55-65 psi)	<b>X</b>			<b>X</b>	
Tire wear / damage	<b>X</b>			<b>X</b>	
Brake pad adjustment	<b>X</b>			<b>X</b>	
Wheel quick release adjustment	<b>X</b>				<b>X</b>
Head and tail lights	<b>X</b>				<b>X</b>
Controls and displays	<b>X</b>				
Seat post quick release adjustment	<b>X</b>			<b>X</b>	
Brake pad wear		<b>X</b>		<b>X</b>	<b>X</b>
Brake cable tension / wear		<b>X</b>		<b>X</b>	<b>X</b>
Spoke tension		<b>X</b>		<b>X</b>	
Wheel true		<b>X</b>		<b>X</b>	
Hub bearings		<b>X</b>	<b>X</b>	<b>X</b>	
Chain lubrication		<b>X</b>	<b>X</b>		
Derailleur adjustment		<b>X</b>	<b>X</b>	<b>X</b>	
Reflectors		<b>X</b>			<b>X</b>
Battery and charger		<b>X</b>			<b>X</b>
Headset adjustment		<b>X</b>	<b>X</b>	<b>X</b>	
Bottom bracket adjustment		<b>X</b>	<b>X</b>	<b>X</b>	
All bolts , nuts mounting hardware		<b>X</b>		<b>X</b>	<b>X</b>

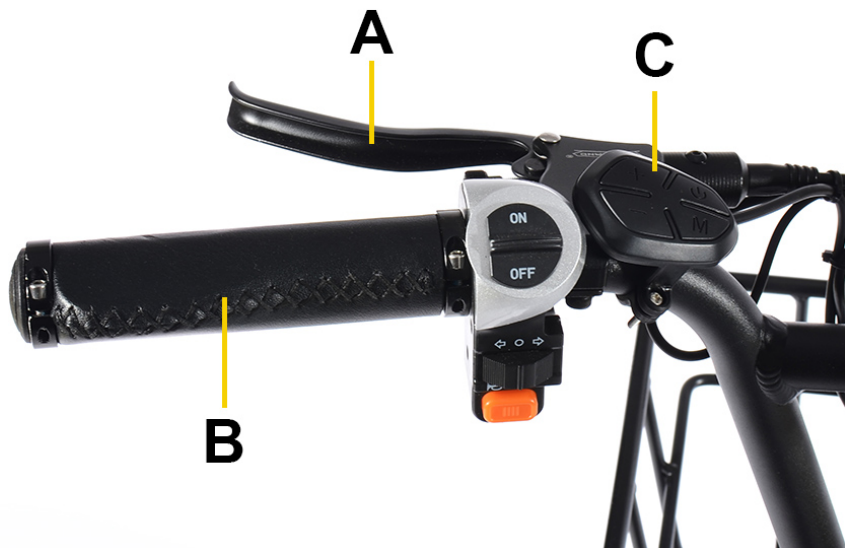
\*Every 5 to 10 rides depending on length and conditions of ride.

# Bike Overview

## Bike Overview:



# Left Handlebar



## LEFT HANDLEBAR

**A**


The brake

**B**

Left handlebar grip

**C**

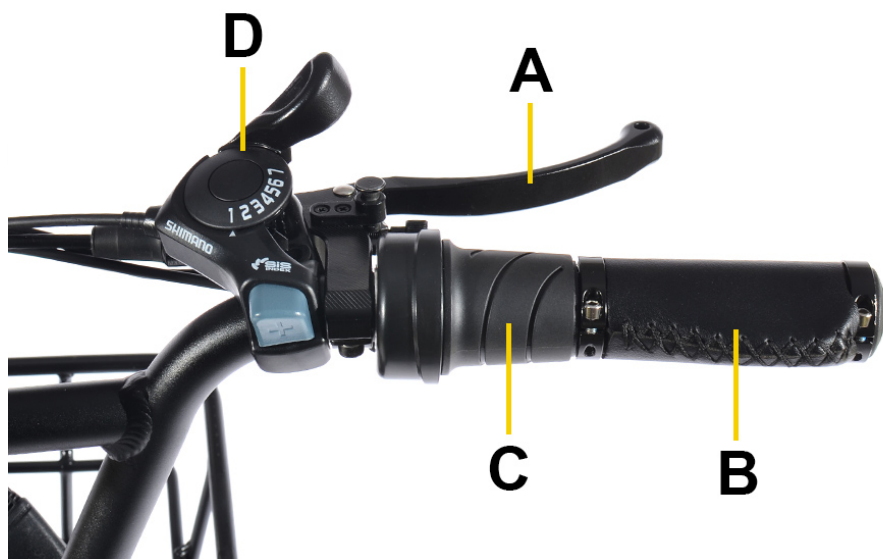
**Instrument of control button:**

**Press & hold  button to switch on/off e bike**

**Press + button to gear up shift**

**Press - button to gear down shift**

## Right Handlebar



## RIGHT HANDLEBAR

**A**  
The brake

**B**  
Anti-slip handlebar

**C**  
Turn the throttle to accelerate

**D**  
Shimano 7 gear

# Component Installation

## 1. Install Handlebars



**01**

Position the handlebars in the correct direction.



**02**

Use tools to install the screws.



**03**

Install the remaining screws and tighten them.



## 2. Install Front Basket



01

Locate the front basket



02

Tighten the screws using tools

## 3. Install Front Mudguard and Front Headlight



01

Locate the front mudguard and the necessary accessories.



02

Find the front headlight and the required accessories



03

Tighten the screws to secure the mudguard.



04

Tighten the screws to secure the front headlight.

## 4. Install the Front Wheel



**01**

Align the front wheel with the front fork dropouts.



**02**

Insert the quick-release skewer into the front wheel.



**03**

Adjust the screw pressure.



**04**

Lock the front wheel quick-release.



**05**

installation complete



**06**

Correct installation angle

## 6. Install the Seat



**01**

Locate the seat and release the seat post clamp.



**02**

Align the seat with the seat post hole and place the seat.



**03**

Adjust the seat height to the comfortable position.



**04**

After adjusting, tighten the quick release lever.



**05**

Please check if the seat installation is secure.

## 7. Assemble Pedals



**01**

Identify the left and right pedals.

"L" means the left side is mounted on the crank

"R" means the right side is mounted on the crank



**02**

"L" pedal is fixed counterclockwise to the crank



**03**

"L" pedal is fixed counterclockwise to the crank



**04**

"R" pedal is fixed clockwise and fixed on the



**05**

"R" pedal is fixed clockwise and fixed on the crank



**06**

Check all fastening and locking mechanisms of the electric tricycle before riding to ensure safety



# Charging the Battery

Your SAKATAH™ Trail Rider comes equipped with two batteries. One battery is located on the front frame and the other battery is located behind the seat post. Both batteries charge using the same charger. Do not use other battery chargers to charge the batteries, doing so could damage the battery and would void the warranty. Locate the battery charger and plug the cable from the charger into the port on the side of the battery pack and plug the power cable into an electrical wall socket. Charger pictured below:



Both batteries can be charged on the frame, or you may remove the battery using the keys. For the battery located on the frame of the bike, locate the small charging port, pull out the rubber cover and plug in.



For the battery located behind the seat post, locate the charging port and plug in.



When the light on the charger is red, the battery is charging. When the light turns green, the battery is fully charged.

The SAKATAH™ bikes come with one charger. Additional chargers are available from our website, [www.SAKATAH™Bikes.com](http://www.SAKATAH™Bikes.com).

If you have two chargers, you may keep both batteries on the bike and charge at the same time. Only use the SAKATAH™ chargers to charge your batteries. This charger is specifically designed for your device. Incompatible chargers can lead to overcharging or undercharging, potentially causing safety issues.

## Battery and Charger Care

- If the battery is not used for an extended period, store them with a partial charge (40-50%) and charge them for a time once every two months.
- Do not let your battery completely discharge (run out of power) if you can help it.

- Ideal charging temperatures are between 50°F and 77°F. Recommended storage and operation temperatures are between 40°F and 95°F.
- Do not use the batteries to power other devices, and do not use the battery charger to charge items other than its intended use.
- If the battery or battery charger shows damage, do not use it. If the battery becomes excessively warm while charging or emits a strong odor, cease charging the battery immediately.
- Remove the battery from the bike before beginning work, such as inspection, repair, assembly, maintenance, work on the chain, etc. Accidental activation can occur and cause risk of injury.
- Do not puncture, open, modify or crush the battery in any way. Damage can increase the risk of fire or explosion.
- Do not place the battery or charger near flammable materials. Ensure the battery is completely dry and on a fireproof surface before charging. The battery and charger emit heat during the charging process and this can cause risk of fire.
- Keep the battery away from children. Avoid any contact with nails, keys, coins, paper clips, etc, which can cause a short circuit if a connection to the terminals is made and cause burns or a fire. A short circuit voids any warranty.
- Always remove your key from the batteries before use. It prevents damage or loss of the key, unauthorized use, and risk of theft.

- Charging the battery should take approximately 4-6 hours, based on the charge. As the battery ages, that time may increase.
- Keep the rubber plug inserted in the battery at any time it is not charging to prevent water intrusion.

## **BRAKES**

It is important for your safety to instinctively know which brake lever controls which brake. The front brake is on the left handlebar and the rear brakes are on the right handlebar. Your eBike is equipped with disc brakes for maximum reliability and stopping power. Applying hand pressure to the brake lever will cause the brake pad to create friction against the brake disc, slowing the wheel. The more pressure applied, the faster the eBike will stop. This distance for stopping is varied by many conditions, such as speed, load weight, and road conditions. It is important to familiarize yourself with how the brakes work. Get used to average braking distance at varying speeds to feel comfortable with the operation.

The rear brake should always be applied before or while the front brake is applied. Applying only the front brake to slow or stop at high speeds may result in the rider being ejected from their seat or losing control of the eBike. It is best to apply even pressure to both brake levers when slowing or stopping.

All SAKATAH™ Bikes are equipped with brake levers that have a built-in safety switch that automatically cuts off motor power under normal braking application. This ensures safe unpowered stopping and protects the motor.



Bicycles equipped with disc brakes will occasionally make a slight scraping noise when the wheels are turning without the brakes being applied. This is normal. Adjustments can be made to prevent scraping if it continues. Brake pads will eventually wear with use and need to be replaced.

Make sure the brake lever does not contact the handlebar when the full hand pressure is applied.

Warning: Disc brake rotors become hot during use. Do not touch or come in contact with the disc rotor shortly after use.

Wet weather can impact braking and will require a longer distance to stop. Ride carefully and give yourself extra time to stop in wet conditions.


## **Parking Brakes**

The SAKATAH™ Trail Rider comes with two parking brakes, located on the brake levers on the handlebar. To engage, squeeze the brake lever as far as you can and push down on the small cylinder marked with a white “P”. This will hold the brake in place. To release the brake, squeeze the brake lever and the cylinder will pop up. We recommend engaging the brake any time the tricycle is parked or before getting on it, as the tricycle can roll on its own or move from underneath you while trying to mount the tricycle.

## **Keys**

Your SAKATAH™ Tricycle comes with two keys. These keys are for the battery locks, to remove them from the bike. Please keep the keys in a safe place to avoid losing them or damaging them. Keep the keys out of the reach of children.

# Operation

1. Turn on the power switch on the rear battery. There is an on/off toggle switch at the top of the battery near the right side. If this switch is off, the trike will only pull power from the front battery.
2. Once on the bike, release the parking brake on both brakes (if engaged) by pulling the brake lever until the brake (marked with a P) pops up.
3. Turn on the power button, located on the power control panel on the left handlebar. To turn on, press the  and hold for 3 seconds.



4. Once on, the color LED display will light up. Your Pedal-Assist Setting or PAS is highlighted in a box on the lower-right of the screen.
5. Level 0 means the motor will not engage, either when you pedal or when you throttle. To increase the PAS level, press the + or – symbols on the control panel to the left of the power button on the left handlebar.
6. When you begin to pedal, you will feel the motor kick in if the PAS level is set 1-5. 1 is the lowest level, with the lowest top-speed while pedaling and 5 is maximum top speed. Please note that the PAS speed levels only apply to when you pedal. If you turn the throttle on the right handle grip, it will accelerate like it is on PAS 5. The throttle is particularly handy if you are at a complete stop

and are having a hard time getting started or just need to accelerate quickly.

7. When you brake, the motor will automatically stop running until you release the brake and either continue to pedal again or use the throttle.
8. Your SAKATAH™ Trail Rider comes with a 7-Speed Shimano shifter. Shift to a higher gear for easier riding or a lower gear for more resistance, such as going up hills.



- A. Press the thumb lever or the paddle towards the handlebars to shift to a higher gear. This moves the chain to a larger cog on the cassette (rear sprockets), making pedaling easier.
- B. Pull the thumb lever or the paddle away from the handlebars to shift to a lower gear. This moves the chain to a smaller cog on the cassette, providing more resistance for climbing or when you need more power.
- C. Tips for smooth shifting:
  - a. Keep a steady pedal speed to make shifting smoother.
  - b. Slightly reduce pressure on the pedals as you shift to avoid chain slippage.
  - c. Anticipate changes in terrain and shift gears proactively.
  - d. Avoid shifting too many gears at one time
  - e. Only shift while pedaling and the bike is moving or you can put too much torque on the chain and it can come off.

9. When you are done riding, we recommend putting your trike into PAS 0, this prevents the rider from accidentally triggering the throttle and moving while trying to get off the bike or later, when trying to get on it. We also recommend using the parking brakes (see brakes) as the trike will roll on uneven surfaces and can move when trying to mount or dismount the trike.

## LED Display

### RIDING MODES Power Assist Sytem(PAS)

The speeds listed here are only for reference, Actual speeds will be affected by rider weight temperature, road situations, incline, battery status, etc.

PAS 0: Pure pedal mode  
PAS 1: Low speed level  
PAS 2: Medium speed level  
PAS 3: High speed level  
PAS 4: Very high speed level  
PAS 5: Maximum speed level



# Tires / Inner Tubes

Tires should not be deflated unless necessary. To minimize tire wear and for maximum riding safety, comfort, and handling, maintain the recommended tire pressure.

Recommended tire pressure can be found on the sidewall of all tires. Use a reliable pressure gauge to check for proper inflation before every ride. At the same time, inspect tires for excessive wear and cracks. Replace the tire if necessary.

## FAQ

Q: How long does it take to charge the battery?

A: It depends on the state of depletion but around 3-6 hours if completely depleted.

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Q: Can I ride up hills and against strong headwinds?

A: Yes, one of the main advantages of cycling on your SAKATAH™ Trail Rider is that it flattens hills and increases your average speed when tackling hills and wind.

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Q: Do I have to pedal?

A: No but it helps prolong the battery life. The motor on the trike is both pedal-assist and throttle, which allows you to decide how much effort you require. Think of pedal-assist like pedaling downhill on your normal bicycle. It is easier getting up to and maintaining speed without as much effort.

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Q: How far will my SAKATAH™ Trail Rider Take me?

A: This depends on a few factors, including the load (weight of the rider and gear), road conditions, inclines, wind, and how

much pedaling the rider does. The key feature of your SAKATAH™ Trail Rider is that the tricycle comes equipped with 2 batteries, meaning it can go twice as far as other similar eTrikes and many e-Bikes. Cycling using pedal assist, along a straight road, under normal conditions, the battery should last between 40-50 miles.

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Q: What happens if I get a flat tire?

A: The tires on the SAKATAH™ Trail Rider are the same as a conventional bicycle. Simply replace the tube with a tube of the right size and inflate it. No special tires or parts are needed.

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Q: How do I know when the battery is low?

A: There is a visible indicator on the right handlebar or LCD screen that shows power capacity. If drawing from both batteries, the motor will automatically detect and draw power from the battery with the highest charge, so both batteries will be drawn from evenly. If you do not think you will make it to your destination, you can turn the power off on the bike to save it for more difficult terrain.

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Q: Do I have to wait until empty before I charge the battery?

A: No, the batteries are lithium-ion, which means they do not suffer from battery “memory.” You can charge the battery at any time without reducing voltage or battery life. We recommend recharging the battery after every use, regardless of how far you rode.

# Legal

## Warranty:

All SAKATAH™ Electronic Bicycles and Tricycles and their components carry a 1-Year manufacturer warranty with the original registered owner. Please carefully read our terms and conditions below. If you feel you have a warranty-related issue, please contact [support@SAKATAH™Bikes.com](mailto:support@SAKATAH™Bikes.com).

- All SAKATAH™ bikes carry the following 1-year warranty with the original registered owner including frame, battery, electronics, and most parts. Items, including the chain, tires, inner tubes, brake rotors, brake pads, cables & housing, grips and spokes are considered wear items. These items wear over time with normal use and are not covered under warranty. The owner is responsible for maintaining and replacing wear items, if necessary.
- Our support team will work to determine whether a covered component must be replaced. We will need photos and possibly video of the defective part before the process claim.
- Replacement parts will be shipped free of charge. The owner is responsible for the installation and labor of any replaced parts. You will NOT be refunded as compensation for your time or efforts replacing damaged parts.
- Warranty coverage only applies to the original registered owner and is not transferable.
- Warranty exclusions include:
  - Normal Wear and Tear

- Any damage or failure resulting from failure to follow instructions in the owner's manual.
- Damage or failure from abuse, neglect, misuse, improper repairs.
- Damage resulting from accidents
- Damage or failure resulting from modification of any of the bike systems
- Damage or failure of any part of the electrical system resulting from improper storage or charging of the battery. Necessary precautions must be taken to ensure batteries and bike are not exposed to severe weather conditions. Exposures to very wet, hot or cold conditions will void the warranty.
- Damage or failure resulting from replacement of any original components or installing aftermarket accessories.
- Lost or Damaged Keys
- Shipping Damage (such claims must be presented directly to the shipper)
- The warranty does not cover stolen bikes

## Legal Disclaimer

1. **Bike Performance:** Bike performance will vary depending on rider and conditions. Range of the eBike and top speeds mentioned are estimates of expected performance and are not guaranteed. Performance will vary with rider weight, cargo weight, rider/cargo shape contributing to wind drag, terrain, tire pressure, brake use and adjustments, throttle or PAS usage, pedal power, battery power level, battery age, weather temperature and



wind conditions. It is possible to get different results than the estimates provided.

2. **Insurance:** Note that your insurance coverage may not provide insurance for accidents involving e-bikes. Contact your insurance provider, company or agent
3. **Liability Disclaimer:** Riding any type of bicycle or tricycle comes with inherent risks that cannot always be predicted or avoided. The dangers resulting from riding could result in serious accident, injury, or death to the rider. It is the sole responsibility of the riders to educate themselves regarding their bikes and how to ride safely. SAKATAH™ strongly recommends and urges all customers to have a certified bicycle technician inspect each component to ensure its safe operation and condition. SAKATAH™ makes no claims that any of the bike components will be secured and/or properly adjusted upon arrival and we recommend and encourage riders to inspect your bicycle prior to every ride.

**Under NO CIRCUMSTANCES is SAKATAH™, its affiliates or distributors, responsible for any damages resulting from damaged, defective, or improperly secured parts. This includes, but is not limited to, damage to personal property, personal injury or death.**

# Notes:

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**DATE OF PURCHASE:** \_\_\_\_\_

**MODEL #** \_\_\_\_\_

**SERIAL #** \_\_\_\_\_

*Please Make Note of Your Serial Number as it will be required for any warranty issues:*



SAKATAH™

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