



COASTER CYCLES
VENTURE
OWNER'S MANUAL



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INTRODUCTION



Thank you for choosing Coaster Cycles. The goal of this Owner's Manual is to familiarize you with the features, setup, and safe operation of your new Coaster Cycles Venture.

This Manual will also cover specifications and general maintenance best practices for your Venture.

INSPIRATION

Although it is impossible to warn you about all safety considerations associated with riding your Coaster Venture, we have developed this manual to assist you in making decisions about the handling and operation of your new trike.

Your Venture comes equipped with a pedal assist system that makes moving heavy loads easier on the rider. The Drive Unit Controller provides you with information on the power assist level, speed, battery

WARNINGS

Pay close attention to the following warnings throughout the manual. Failure to follow safety warnings may result in serious injury or death.

DANGER

You **WILL** be **KILLED** or **SERIOUSLY HURT** by not following instructions.

WARNING

You **CAN** be **KILLED** or **SERIOUSLY HURT** by not following instructions.

CAUTION

You **CAN** be **HURT** by not following instructions.

!DANGER!

Read this manual and all other manuals provided by the specific manufacturer before riding your Coaster Venture for the first time. Failure to read and understand safety information can result in severe injury or death.

SUPPLEMENTAL INFORMATION

Enviolo Technical Manual

Bosch Drive System

- Battery Manual
- Intuvia Display Manual
- Drive Unit **Manual**

Labels

- Located on the Venture and individual manufacturer's parts.

WARRANTY

Coaster Cycles provides a warranty against defects in materials and workmanship for all original equipment as specified below.

Chassis, fork, *motor, and *battery to the original owner for one year from date of purchase.

Parts and accessories including bearings, differential, and wheels to original owner for two years from date of purchase.

This warranty does not cover normal wear and tear, improper maintenance, corrosion, damage caused by aftermarket accessories, damage or failure due to accident, misuse, abuse, or neglect.

The owner may incur labor charges for part replacement or changeover covered by the original manufacturer's warranty or non-proprietary products.

**Covered under original manufacturer's warranty.*

CLASSIFICATION

In the United States, the Coaster Venture is designated as a Class 1 eBike. This means that the motor provides pedal assistance with a max speed of 20 mph.

Familiarize yourself with the ebike rules and regulations in your Country, State, and City. National and regional requirements may vary.

DISCLAIMER

Coaster Cycles is continuously improving our product line and the information about it. We reserve the right to edit the information in this manual. The most current version of the manual will be made available online, along with how-to videos for maintaining our products. Coaster Cycles is not held responsible for omissions or inaccuracies in any printed and online materials.

VENTURE OVERVIEW



The Venture is the lightest and most maneuverable Coaster Cycles model with 13.5 cu ft of storage capacity and a top loading cargo box.

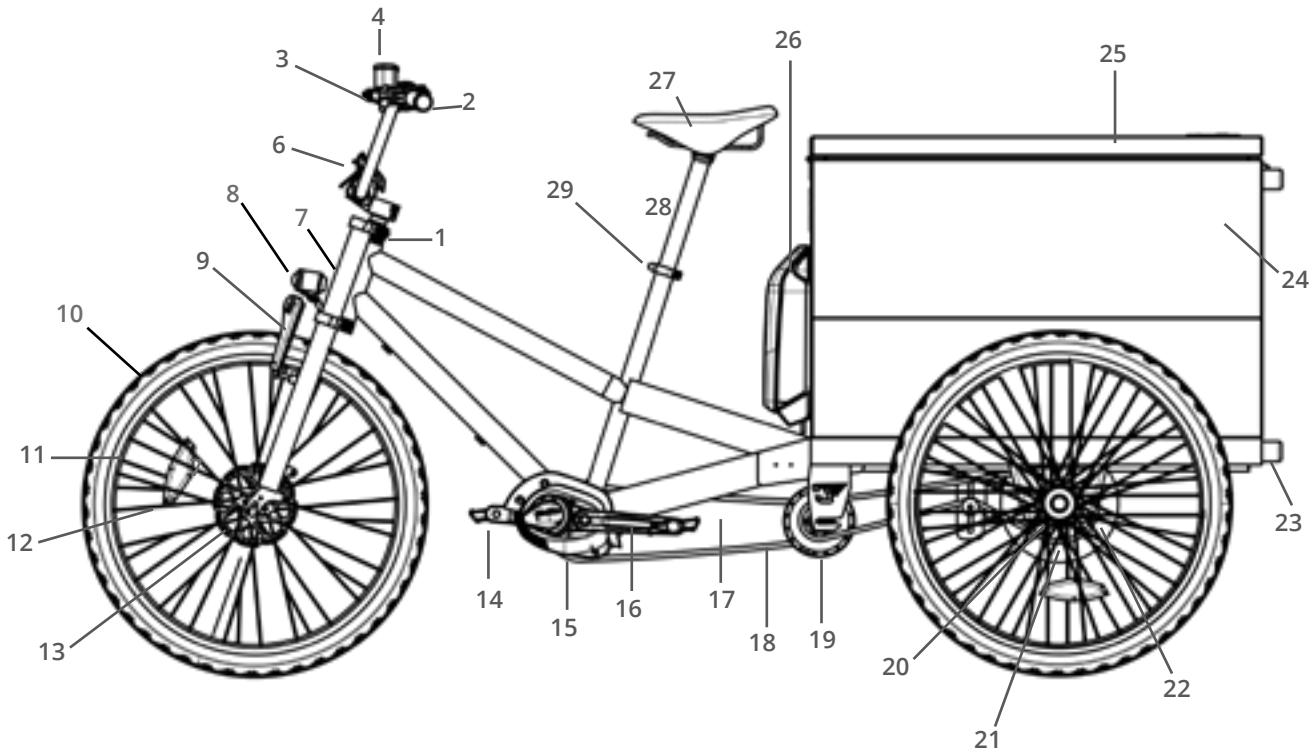
Features Include:

- LED Lighting Package
- Disc Brakes
- Steel Frame with Aluminum Cargo Box
- eCargo Rated Tires
- Bosch Cargo Line Motor
- Stepless Manual Mid-Drive

VENTURE SPECIFICATIONS

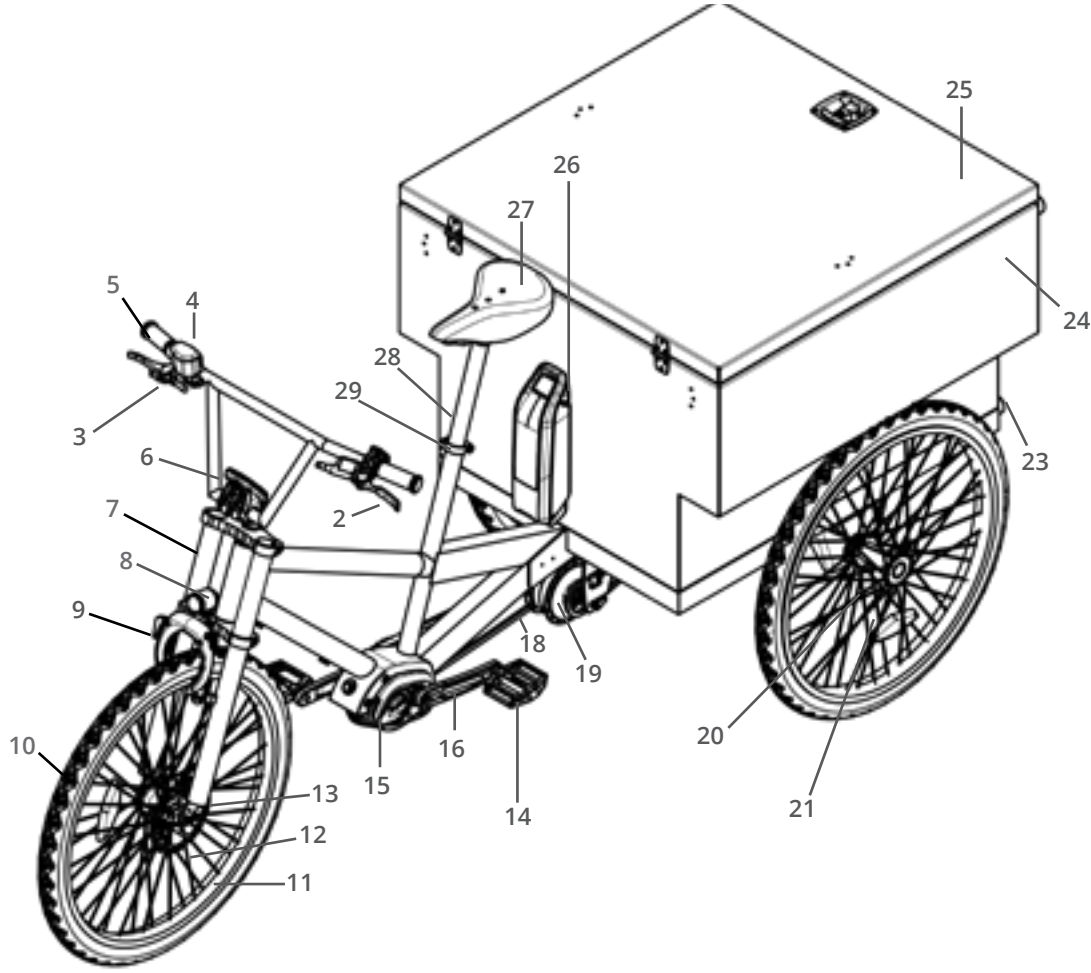
Paint	Powder Coat Cardinal WH01
Front Tire Size	26" x 2.35"
Rear Tire Size	26" x 2.35" or 20" x 2.35"
Weight	170 lbs
Dimensions (Inches)	88 L x 36 W x 41 H
Cargo Capacity	13.5 cu ft
Suggested Rider Height	4'10"- 6'6"
Max Rider Weight	264 lbs
Cargo Load Capacity	200 lbs
Recommended Tire Pressure	35 psi
Motor	Bosch Cargo Line 85 Nm
Battery	36V 500Wh Lithium Ion
Drivetrain	Manual Shifting - Internal Geared Hub 380% Gear Range

VENTURE COMPONENTS



- 1. Headset
- 2. Front Brake Lever
- 3. Rear Brake Lever
- 4. Brake Fluid Reservoir
- 5. *Shifter*
- 6. Onboard Computer
- 7. Fork
- 8. Headlight
- 9. Frame Lock
- 10. Tire
- 11. Rim
- 12. Spoke
- 13. Disc Brake Rotor
- 14. Pedals
- 15. Bosch Motor
- 16. Crank Arm
- 17. Chain Guard
- 18. Chain
- 19. Mid-Drive
- 20. Speed Sensor
- 21. Speed Sensor Magnet
- 22. Rear Differential
- 23. Bumper
- 24. Cargo Box
- 25. Cargo Lid
- 26. Bosch Battery
- 27. Saddle
- 28. Seat Post
- 29. Seat Post Clamp

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SAFETY

Your Coaster Venture has many built-in safety features. You must also take an active role in your safety and the safety of others around you. Please read all safety instructions and other manufacturer's instructions before use.

GIVE IT A GO

We recommend a test ride in a safe environment to familiarize yourself with the unique handling characteristics of a tricycle before riding on the road.

Your Coaster Venture is heavier and faster than a traditional bicycle. Start your test ride without eAssist and then incrementally increase the assist level to become familiar with the motor. Give yourself plenty of space when negotiating traffic while learning to ride.

THINK SAFETY

We want your riding and delivery experience to be safe and fun! Here are some tips to help familiarize yourself with riding a tricycle:

Avoid the following:

- *Fast Maneuvers*
- *Jumps*
- *Stunts*
- *Rough Roads or Off-Road*
- *Any maneuvers that add severe stress to the chassis or components.*

PROTECT

Helmets are an essential component to protect you while riding. Always wear a helmet that meets safety standards and regulations. Read helmet instructions for

!WARNING!

Keep your reflectors and lights clean, adjusted, and adequately fastened to your Coaster. Wear bright, reflective clothing while riding in poor light conditions to improve your visibility.

VISIBILITY

The Venture is equipped with multiple visibility aids including a headlight, brake light, and reflective decals. Always use your lights to make yourself more visible to others in traffic. Utilize hand signals when turning to alert fellow road users of your intentions.

FULLY CHARGED

The Coaster Venture uses a lithium-ion battery for long life in a lightweight package. Make sure that the battery is securely mounted on the bike. Charging the battery before each use will ensure that the pedal assist lasts as long possible. Maintain the Bosch battery as instructed by the Bosch user manual.

!WARNING!

Damage to the battery or a short circuit in the electrical system could lead to the battery overheating or potentially catching fire. Read all Bosch user manuals for proper storage, maintenance, and usage.



MAINTENANCE

Keeping your Coaster well maintained will improve the rider experience and reduce downtime. A daily check verifies that the trike is ready for use. If your Venture is part of a fleet, creating a daily checklist for your riders is a helpful way to keep things running smoothly.

Regularly cleaning your bike of dirt and debris keeps the powder coat looking pristine. Wipe all lights and high visibility reflectors with a soft cloth. Mild soap and water will do the trick.

This manual provides general maintenance information for various components of the Venture. Refer to specific manufacturer's repair manuals for detailed repair and maintenance guidance.

!WARNING!

Improper repairs or adjustments may damage your Coaster and could lead to accident, injury, or death.

START YOUR RIDE

Video of our start-up procedure is located at <http://www.coastercycles.com/getting-started/>

1. 360° INSPECTION

Start with a 360° visual inspection of your Coaster Venture before each ride to ensure safe and smooth operation. Check that all tires are properly inflated and inspect the wheels to verify that they are securely mounted. Confirm that the brakes are functioning correctly.

2. ADJUST

Adjust the saddle height with the quick release located on the seat post collar.

Standing next to the bike, start with the seat at hip height and adjust based on preference. Mount the trike and verify that the setup suits your riding position. Never extend the seat post past the minimum insertion line.

3. INSTALL BATTERY

When inserting the battery into the holder, press on the battery until you hear an audible click. Verify that the battery is secure and fully charged before riding.

4. RIDING MODE

Turn on the power to the Controller by pressing the power button. Adjust controls while in a safe position.

Use the "+" and "-" keys to select riding mode. See page 19 for detailed instructions.

5. BRAKE & WHEEL RELEASE

Release the front parking brake by compressing the brake lever and turning the lock clockwise. Release the rear parking brake by compressing the brake lever until the brake lock disengages.

Ensure that the front frame lock is disengaged using the appropriate key.

6. SHIFTING

Shifting is completed by twisting the shifter on the right grip. Start with the trike in a low gear by turning the shifter away from the rider. As your speed increases, rotate the shifter back toward yourself.

The Venture can be shifted while stopped and when the drivetrain is under load.

7. GET MOVING

Sit on the saddle with both hands on the handlebar and both feet on the pedals.

Check your surroundings before pulling into the bike lane or roadway.

RIDING TIPS

8. TURNING

Slow down before initiating turns to help maintain the balance of your Venture. Practice riding with varying loads to understand how different loading conditions affect the maneuverability of the trike. Use caution on any downhill and off-camber corners.

Exercise extreme caution if you encounter obstacles, wet or oily surfaces, gravel, grating, or any other pathway hazard. Use caution when maneuvering your Coaster close to pedestrians and other vehicles.

!WARNING!

Any tricycle carries a potential risk of tipping. Avoid abrupt maneuvers and high speed turns.

9. BRAKING

Always ride with both hands on the handlebar for better control while braking. Smooth braking and turning will aid in maintaining control while riding.

Complete most of your braking before entering a turn. This will help prevent any load shift from affecting the vehicle balance in the middle of a corner.

Always engage both front and rear brakes at the same time when slowing for a turn or coming to a complete stop.

!WARNING!

Always give enough distance between yourself and other vehicles, particularly when using eAssist. Other drivers and riders may not be able to estimate your speed.

!WARNING!

Never overload your Coaster. This will impact vehicle handling and possibly affect warranty claims.

How far can I ride?

Your Venture is capable of 14-22 miles with a fully charged battery.

That distance will depend on several factors: cargo load, speed, ambient temperature, and the chosen assistance level.

Riding at a higher cadence (70-90rpm) will optimize the efficiency of the drive unit.

To plan your trip use the online range calculator at <http://www.bosch-ebike.com/range>

FINISH YOUR RIDE



1. PARKING

When possible, park your Venture perpendicular to the roadway, with your rear wheels touching the curb and parking brakes engaged. Parking this way will facilitate pulling away from the curb and safely entering traffic.

2. BRAKING

Engage both parking brakes and frame lock:

1. Compress the front brake and turn the lock counterclockwise.
2. Compress the rear brake and engage the parking lever.
3. Engage the frame lock around the front wheel. See more information on the operation of all brakes on page 17.

3. CARGO LOCK

Close and lock the cargo box.

4. BATTERY CHARGE

Turn off the Bosch battery and remove it from the battery holder. In a safe and well ventilated area, plug it into the charger. You can leave the battery connected to the bike if you are close to a power source.

BATTERY

BATTERY

With impressive mileage and long service life, Bosch batteries are an efficient power source. These high-quality lithium-ion batteries have a built-in system that recognizes potential sources of error and efficiently protects cells against overheating.

Checking the battery charge:

On the Battery (A):

1. Press the On/Off button (a) on the battery.
2. Check the five green LED's of the charge control indicator. Each green light represents 20% charge. All five lights indicate a fully charged battery.

On the Display (B)

1. Press the On/Off button on the Intuvia display.
2. Check the battery charge-control indicator. Each bar of the battery symbol indicates 20% charge. All five bars indicate a fully charged battery.

Charging the battery (C):

On the Coaster Venture

1. Park your Venture close to a 110V outlet.
2. Turn On/Off button (a) to switch off the battery.
3. Check the charger for any damage and then insert the charger (c) into the socket on the lower Bosch battery holder.
4. Connect the main cable of the battery charger into outlet.

Off the Coaster Venture

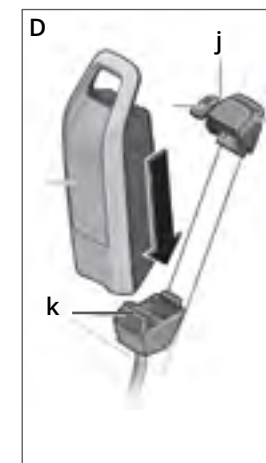
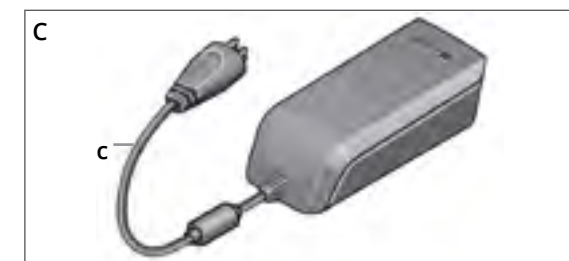
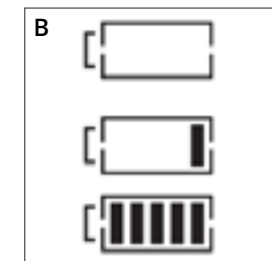
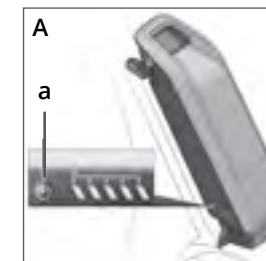
1. Press the On/Off button (a) to switch the battery off.
2. Remove the battery from the battery holder.
4. Place the battery on a clean surface.
5. Insert the charger plug into the socket on the battery.
6. Connect the main cable of the battery charger into a 110V outlet.

Removing Battery:

1. Press the On/Off button (a) to switch the battery off.
2. Place the dedicated key (m) into the battery lock (j) and turn clockwise.
3. Tilt battery out of the top part of the battery holder.
4. Pull battery out of the bottom of the holder to remove from the Venture and attach to charger.

Attaching Battery (D):

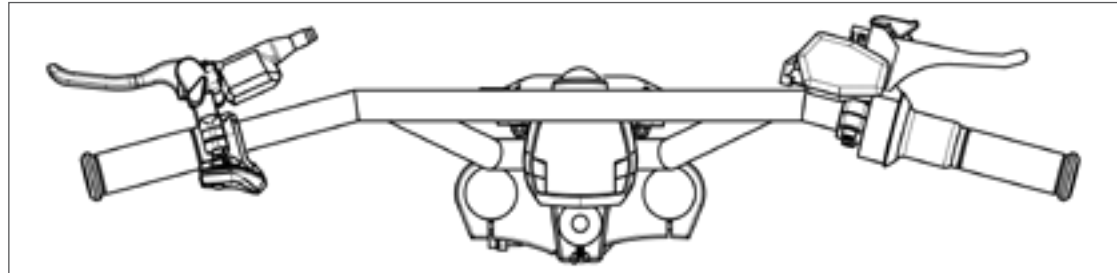
1. Insert the battery into the contacts (k) on the lower battery holder.
2. Tilt the battery into the upper holder (j) and press



DRIVETRAIN

INTERNAL GEAR HUB

Your Coaster Venture is equipped with a stepless mid-drive hub that is manually shifted. Riders may change gears by using the handlebar shifter in order to control desired cadence and effort level.



DIFFERENTIAL

We use a dependable and grease-lubricated differential for our rear axle. The component allows the rear wheels to spin independently to facilitate turns.

CHAIN

The front chain is 3/32" wide and is rated to carry loads associated with a motor-driven drivetrain. The rear chain is 1/8" wide and corrosion-resistant, designed to survive repeated exposure to the elements.

A fully enclosed chain guard on the Coaster Venture prevents premature wearing of the drivetrain and fewer service issues.

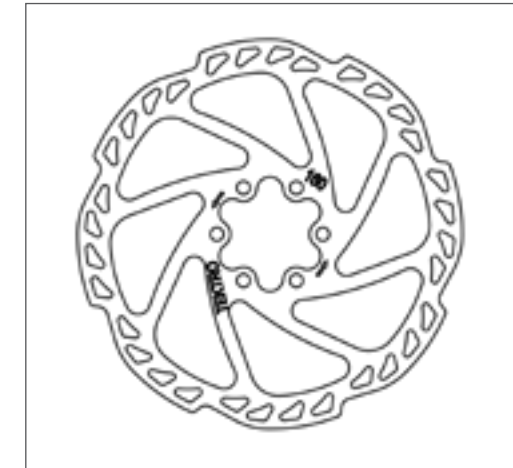
BRAKING

DISC BRAKES

Your Coaster Venture comes equipped with hydraulic disc brakes, making for easy and repeatable stopping.

Before riding, verify which brake lever controls the front and rear brake. Apply both brakes at the same time with equal pressure for smooth braking.

Verify that your brakes are working before heading out onto the road.



FRAME LOCK

A secure frame lock, located around your front wheel, helps protect against unauthorized use of the Venture when you stop to make a delivery.

To Lock

1. Rotate key clockwise.
2. Push down lever to engage lock bar.
3. Remove key.

To Unlock

1. Rotate key clockwise.
2. Lock bar lever will automatically release.

PARK IT

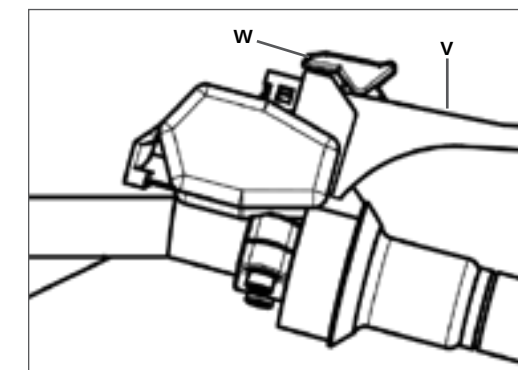
There are a few things to remember when parking your Coaster ECT for a delivery or at the end of the day. With a few steps, you can leave your bike secure.

Activate Brake

1. Pull firmly and hold the right front brake lever (v) toward the hand grip.
2. Push small locking lever (w) toward the hand grip until engaged.
3. To release, pull firmly on the brake lever and the locking lever will automatically disengage.

Bring Your Keys

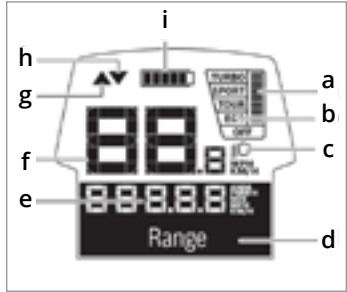
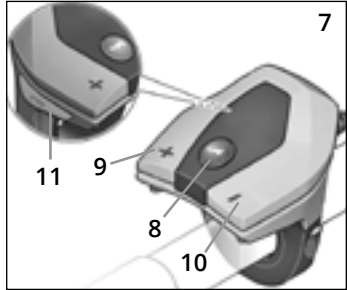
Taking your keys with you leaves your Coaster protected from unauthorized riders.



CONTROLLER

OPERATIONS

DRIVE UNIT - ON-BOARD COMPUTER AND CONTROLLER



ON-BOARD COMPUTER FUNCTION

1. i - Display Function
2. Lights
3. On-Board Computer
4. Holder for Computer
5. On/Off Button
6. Reset Button

CONTROLLER FUNCTION

7. Controller Unit
8. i - Display Function
9. - Reduce Assistance (Scroll Down)
10. + Increase Assistance (Scroll Up)
11. Push Assistance - Walk Button

ON-BOARD COMPUTER INFORMATION

- a. Drive Unit Assistance Indicator
- b. Assistance Level Indicator
- c. Headlight Indicator
- d. Text Indicator
- e. Value Indicator
- f. Speed Indicator
- g. Shift Recommended - Higher Gear
- h. Shift Recommended - Lower Gear
- i. Battery Charge Indicator

Inserting and Removing On-board Computer
To insert the On-board Computer, slide the Computer into the holder as shown.

To remove the Computer, press the lock latch (15) and slide the on-board computer toward the front out of the holder.

For additional security while parked, you can remove the on-board computer to prevent theft of your Venture.



eASSIST SETTINGS

The level of assistance can be adjusted via the Controller (7). The assistance level can be changed anytime, even while riding.

To increase the assistance level use the controller and press the “+” button (9) on the Controller until the desired assistance level is displayed on the on-board computer.

To decrease the assistance level, press the “-” button (10).

Assistance levels for your Coaster ETC

No Assist	OFF	Motor assistance is off and can be operated unassisted. Push assistance can not be activated.
	ECO	Maximum riding range and effective assistance.
Maximum Assistance	TOUR	Uniform touring assistance for long touring range.
	SPORT	Powerful assistance continuous stopping and starting.
	TURBO	High cadence riding supporting maximum assistance.

WALK

To activate the Walk Assist function, briefly press the “WALK” button (11) on your on-board computer. After activation, press button “+” button within 3 seconds and keep it pressed. The eBike drive is now switched on.

Note: Walk Assist cannot be activated in the “OFF” assistance level.



!WARNING!

The Walk Assist function should only be used when pushing the Coaster Venture. When Walk Assist is activated, the pedals may turn. Keep your legs clear of the moving pedals to avoid the risk of injury.

MAINTENANCE

Regular maintenance must be completed to ensure long-term safe operation of your Coaster Venture. All service and repairs should be completed by a qualified individual.

IMPORTANT SAFETY PRECAUTIONS

- Turn off and remove the battery before starting any maintenance.
- Keep open flames, sparks, and cigarettes away from your Venture to reduce any possibility of a fire.

CLEANING

Keeping components clean is an excellent start to any maintenance schedule.

Use a damp, soft cloth and mild soap and water to clean dirt from the frame, cargo box, and other components. Avoid spraying water and soaking components, especially the drive system and any lubricated parts.

!CAUTION!

Keep water away from any lubricated or electrical components.

TIRES

It is necessary to check and maintain the tires on your Coaster for safe and efficient riding.

As part of your daily 360° visual inspection, always verify that all three tires have minimal wear and are inflated to 35 psi.



SPOKES

Check spoke tension weekly for excessively loose or rattling spokes which may compromise the integrity of the wheels.

Riding with heavier loads can lead to more wear and tear on the chassis, wheels, and other components.

CHAIN

Check the chain for dirt, wear, and tension. Proper lubrication of the chain will keep things running smoothly and increase the life of the chain.

Use a bike-specific chain lubricant and avoid getting lubricant on any braking surfaces or painted parts.

!WARNING!

Incorrect chain tension can cause increased wear on drive components and cause your Coaster to become difficult to ride.

STORAGE

For long-term storage, remove the Bosch battery from your Venture. Store battery at room temperature in a dry and well-ventilated location.

Your Coaster Venture should also be stored in a dry and well-ventilated area. Avoid extreme temperatures (<32 F (0 C) or >105 F (40 C)).

Dry all components, lubricate the chain, and cover your Venture to prevent dirt and debris from damaging any parts.

Storing under these conditions will maximize the battery charge and service life of your delivery investment.

MAINTENANCE

SERVICE RECOMMENDATIONS (MILES)

COASTER ECT INSPECTION SCHEDULE	Daily	Weekly	Every 500	Every 1000
360° Visual Inspection	x			
Tire Pressure	x			
Lighting	x			
Battery	x			
Spoke Tension		x		
Chain Lubrication		x		
Chain Wear		x		
Cog Wear				x
Tire Wear	x		x	
Headset			x	
Pads - Front Disc Brakes			x	
Rotor - Front Disc Brakes			x	
Pads - Rear Disc Brakes			x	
Rotor - Rear Disc Brakes				x
Motor				x

MAINTENANCE

COASTER VENTURE PART REPLACEMENT SCHEDULE (MILES)	Every 2000	3000
Rear Tires	x	
Front Tire	x	
Front Drive Chain	x	
Rear Drive Chain		x
Shifter Cables		x

COASTER ECT REPLACEMENT PARAMETERS

Pads - Front Disc Brakes

Pads must have >1mm of compound. Replace pads at 3000 miles regardless of thickness.

Rotor - Front Disc Brakes

Rotor must be >1.8mm thick. Replace pads at 3000 miles regardless of thickness.

Pads - Rear Disc Brakes

Replace when there is <1.5mm of brake pad left.

Rotor - Rear Disc Brakes

When either side of the braking surface is worn by more than 0.5mm - 0.75mm

Motor

Have the motor of your Venture checked annually by a Bosch Service Center.

Headset

Tighten star nut if the headset is not spinning smoothly or has play.

Lighting

Replace any light if not working correctly.

CONTACT



COASTER CYCLES

Coaster Cycles are proudly assembled in Montana, USA

We are pleased to be a part of the Made in Montana program.

CONTACT

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Bonner, MT 59823
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(406) 203-4422

coastercycles.com
youtube.com/coastercycles
facebook.com/coastercycles
instagram @coastercycles
twitter.com/coastercycles

BATTERY DISPOSAL

Please do not dispose of batteries with household waste. Recycle all batteries, packaging, and parts in an environmentally friendly method.

You may recycle your Bosch battery pack by calling (800) 822-8837.

