

OWNER'S MANUAL



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INTRODUCTION



Thank you for choosing Coaster Cycles. Our goal is to help you get on the road safely and familiarize yourself with your new Coaster Electric Cargo Trike (ECT). As with any new machine, explore the setup, operation, shut down, and safety features before setting out on the open road.

This Owner's Manual will help you get started with understanding the general operation and maintenance with your new Coaster. Covered in this owner's manual are the following four Coaster ECT models:

VENTURE

PARCEL ALL-WEATHER (AW)

FREIGHTER

FREIGHTER ALL-WEATHER (AW)

For other product information or specific parts, please visit us at coastercycles.com/support

INSPIRATION

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

All Coaster ECT's come equipped with electric-powered motors that assist the rider's pedal-power, making it easier to maneuver heavy loads. The Drive Unit Controller provides you with information on the power assist level, speed, battery range, charge, and lights.

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 ECT 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

Labels

- Located on the Coaster ECT 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, wheels, paint, and decals 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, Coaster ECT models are designated as Class 1 eBikes. All models are pedal-assist and have a max speed of 20 mph.

Familiarize yourself with the 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



The Venture is light and maneuverable with efficient cargo capacity (13.5 cu ft) 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

FREIGHTER



The Freighter offers our largest cargo capacity (72 cu ft) in a wide profile.

Features Include:

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

PARCEL AW

The Parcel AW offers a large cargo capacity (70 cu ft) in a narrow profile with added rider protection.

Features Include:

- All Weather Canopy
- RFID Based Locking
- LED Lighting Package
- Locking Driver Storage
- Disc Brakes
- Steel Frame with Aluminum Cargo Box
- eCargo Rated Tires
- Bosch Cargo Line Motor
- Stepless Automatic Mid-Drive
- Auxiliary Battery for Anti-Theft System



FREIGHTER AW

The Freighter AW has a large cargo capacity (72 cu ft) in a wide profile with added rider protection.

Features Include:

- All Weather Canopy
- RFID Based Locking
- LED Lighting Package
- Locking Driver Storage
- Disc Brakes
- Steel Frame with Aluminum Cargo Box
- eCargo Rated Tires
- Bosch Cargo Line Motor
- Stepless Automatic Mid-Drive
- Auxiliary Battery for Anti-Theft System



COASTER ECT SPECIFICATIONS

VENTURE

PARCEL AW

Paint	Powder Coat	Powder Coat
Front Tire Size	26" x 2.35"	26" x 2.35"
Rear Tire Size	26" x 2.35"	20" x 2.35"
ECT Weight (Unloaded)	170 lbs	310 lbs
Overall ECT Footprint (inches)	88 L x 36 W x 41 H	117 L x 36 W x 83 H
Cargo Capacity	13.5 cu ft	70 cu ft
Suggested Rider Height	5'4" - 6'4"	5'4" - 6'4"
Max Rider Weight	264 lbs	264 lbs
Cargo Max Load	200 lbs	400 lbs
Recommended Tire Pressure	35 psi	55 psi
Motor	Bosch Cargo Line 85 Nm	Bosch Cargo Line 85 Nm
Drivetrain	Manual Shifting - Internal Geared Hub 380% Gear Range	Automatic Shifting - Internal Geared Hub 380% Gear Range

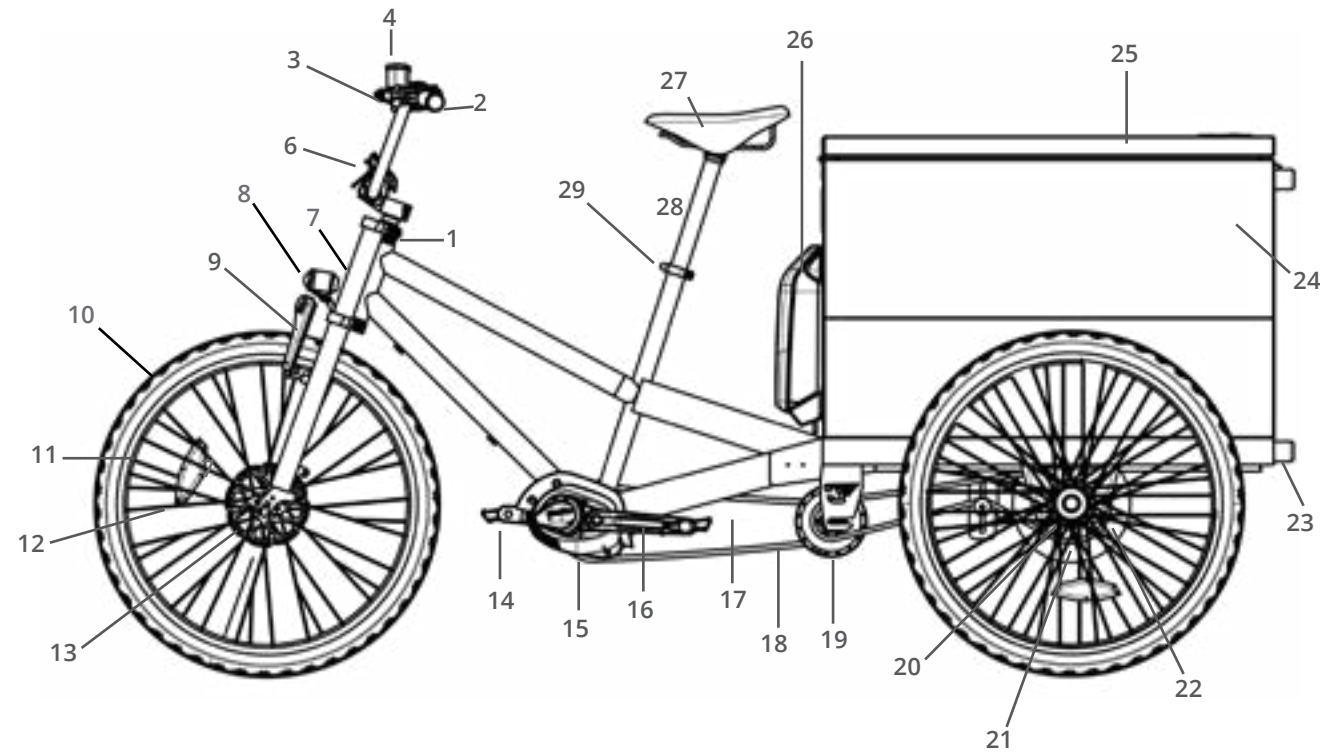
COASTER ECT SPECIFICATIONS

FREIGHTER

FREIGHTER AW

Paint	Powder Coat	Powder Coat
Front Tire Size	26" x 2.35"	26" x 2.35"
Rear Tire Size	20" x 2.35"	20" x 2.35"
ECT Weight (Unloaded)	295 lbs	315 lbs
Overall ECT Footprint (inches)	117 L x 47.24 W x 62 H	117 L x 47.24 W x 83 H
Cargo Capacity	72 cu ft	72 cu ft
Suggested Rider Height	5'4" - 6'4"	5'4" - 6'4"
Max Rider Weight	264 lbs	264 lbs
Cargo Max Load	400 lbs	400 lbs
Recommended Tire Pressure	55 psi	55 psi
Motor	Bosch Cargo Line 85 Nm	Bosch Cargo Line 85 Nm
Drivetrain	Automatic Shifting - Internal Geared Hub, 380% Gear Range	Automatic Shifting - Internal Geared Hub 380% Gear Range

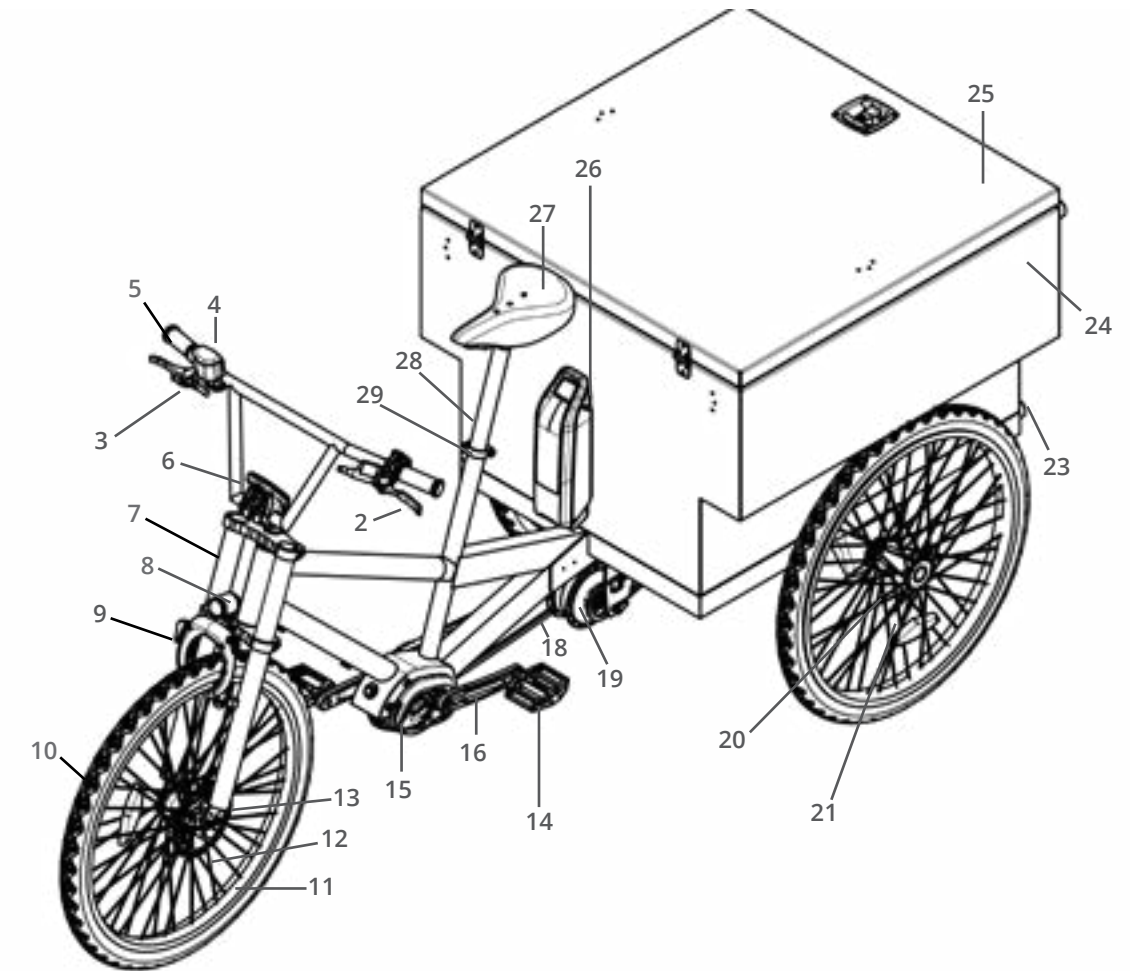
VENTURE COMPONENTS



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

Italicized components are not marked.

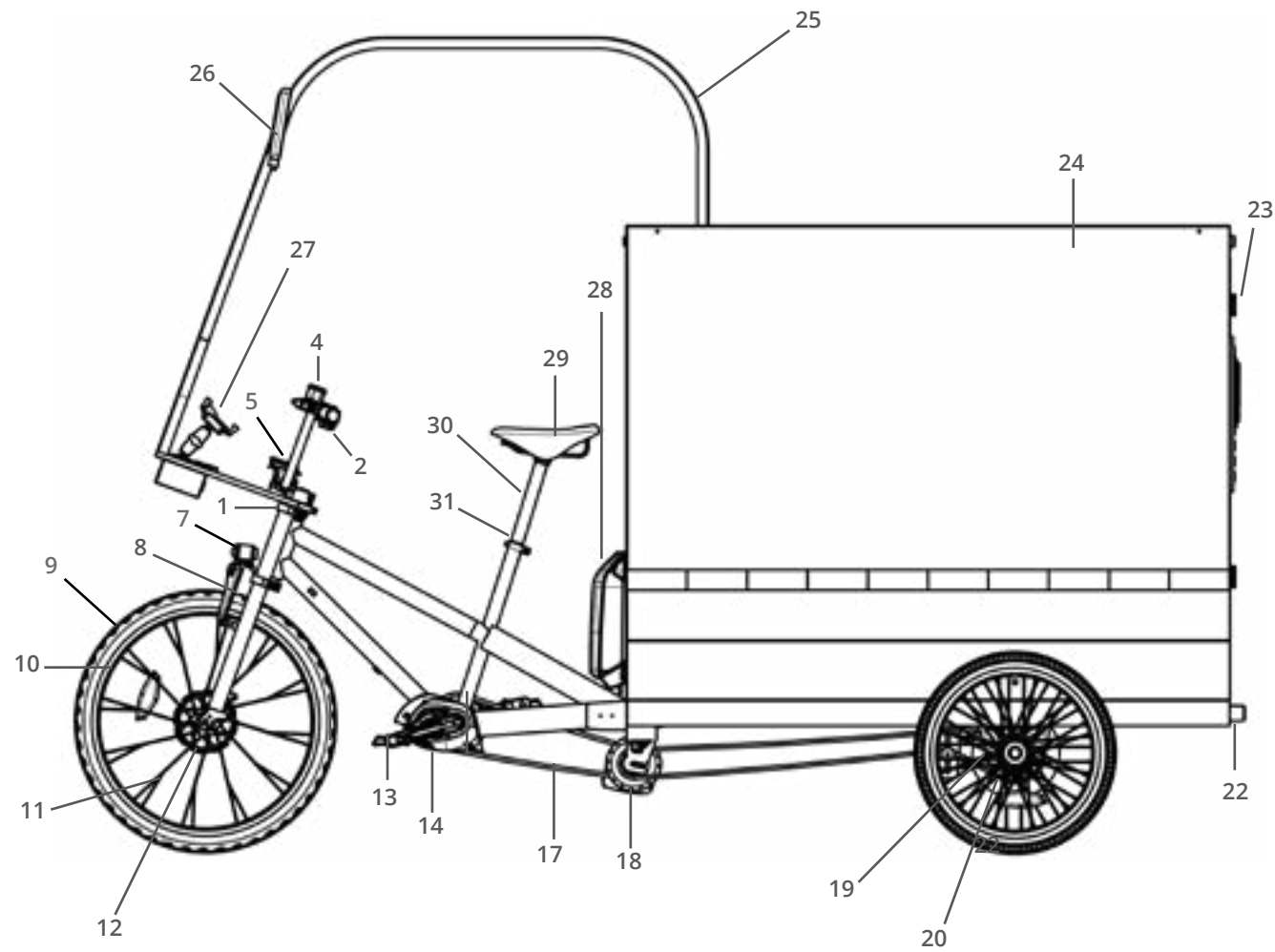
VENTURE COMPONENTS



- | | | |
|--------------------------|------------------------|------------------------------|
| 1. <i>Headset</i> | 11. Rim | 21. Speed Sensor Magnet |
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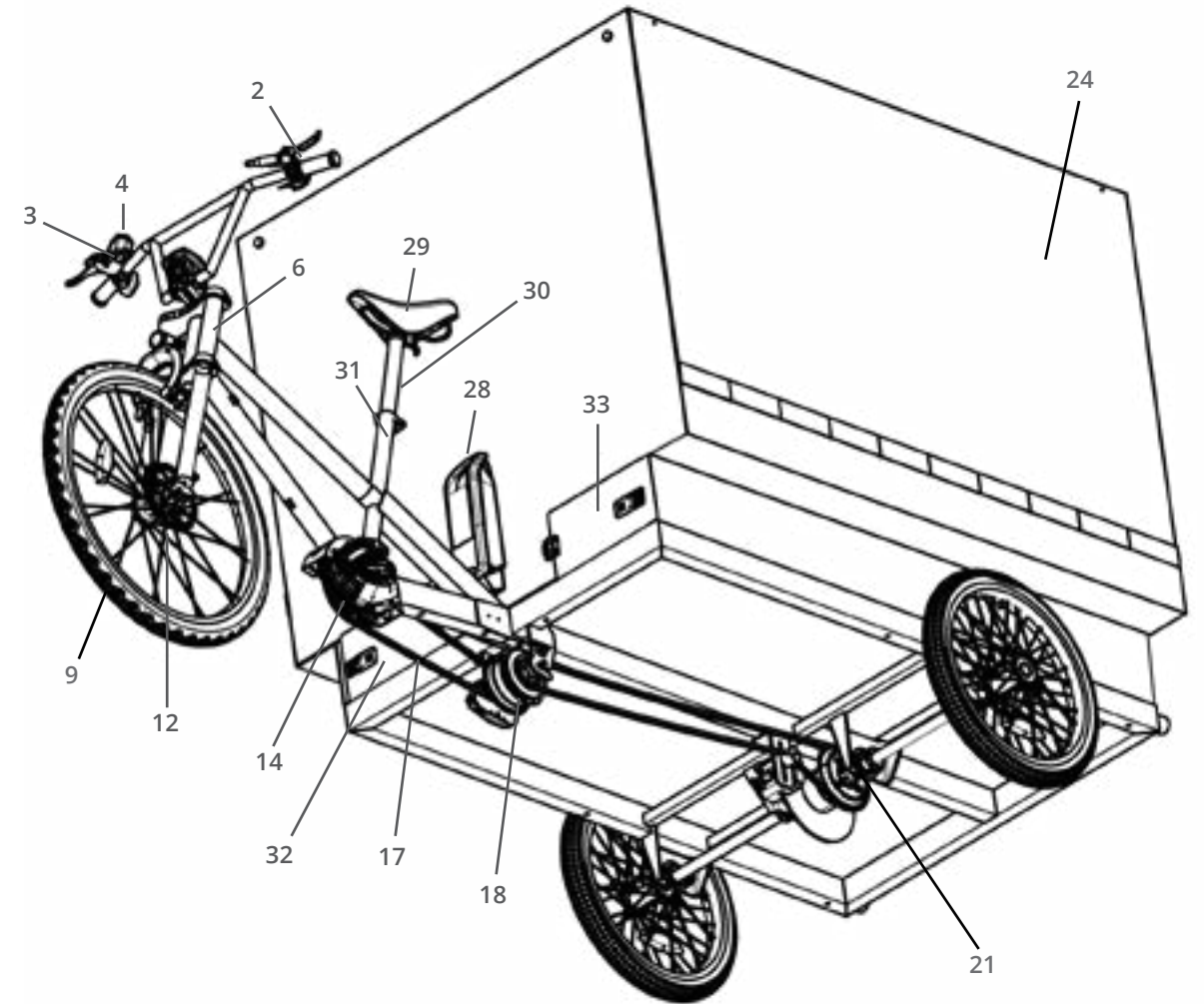
COASTER ECT COMPONENTS



- | | | |
|----------------------------|------------------------------|-------------------------------|
| 1. Headset | 12. Disc Brake Rotor | 23. Brake Lights |
| 2. Front Brake Lever | 13. Pedals | 24. Cargo Box |
| 3. <i>Rear Brake Lever</i> | 14. Bosch Motor | 25. All Weather Canopy |
| 4. Brake Fluid Reservoir | 15. <i>Crank Arm</i> | 26. Sideview Mirrors |
| 5. Onboard Computer | 16. <i>Chain Guard</i> | 27. Cockpit Components |
| 6. Fork | 17. Chain | 28. Bosch Battery |
| 7. Headlight | 18. Mid-Drive | 29. Saddle |
| 8. Frame Lock | 19. Speed Sensor | 30. Seat Post |
| 9. Tire | 20. Speed Sensor Magnet | 31. Seat Post Clamp |
| 10. Rim | 21. <i>Rear Differential</i> | 32. <i>Auxiliary Battery</i> |
| 11. Spoke | 22. Bumper | 33. <i>Rider Gear Storage</i> |

Italicized components are not marked.

COASTER ECT COMPONENTS



- | | | |
|----------------------------|--------------------------------|-------------------------------|
| 1. Headset | 12. Disc Brake Rotor | 23. Brake Lights |
| 2. Front Brake Lever | 13. <i>Pedals</i> | 24. Cargo Box |
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| 5. <i>Onboard Computer</i> | 16. <i>Chain Guard</i> | 27. <i>Cockpit Components</i> |
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| 8. <i>Frame Lock</i> | 19. <i>Speed Sensor</i> | 30. Seat Post |
| 9. Tire | 20. <i>Speed Sensor Magnet</i> | 31. Seat Post Clamp |
| 10. Rim | 21. <i>Rear Differential</i> | 32. <i>Auxiliary Battery</i> |
| 11. Spoke | 22. Bumper | 33. <i>Rider Gear Storage</i> |

Italicized components are not marked.

YOUR SAFETY

Though there are multiple safety features built into your Coaster ECT, taking an active role in your safety and others around you is crucial when you ride. Read all safety instructions and other manufacturer's instructions before use.

GIVE IT A GO

We recommend a test ride before getting on the road. Refer to the "Start Your Ride" guide (See page 16) before heading out. Get to know the uses and limitations for a smooth and trouble-free operation.

All Coaster ECT models are heavier and faster than regular bicycles. Beginning without eAssist and then moving through the eAssist modes will help you understand and become familiar with the power assistance. Give yourself enough time to stop and negotiate traffic when learning to ride.

THINK SAFETY

We understand bike riding is fun! We also want your ride and delivery experience to be fun too. However, keep in mind that your Coaster ECT model is much heavier and less responsive than a regular bike. There is no shortcut to familiarize yourself with the Coaster ECT ride experience.

Avoid the following:

- *Fast Maneuvers*
- *Jumping*
- *Stunts*
- *Rough Roads or Off-Road*
- *Any maneuver that adds severe stress to the chassis or components.*

PROTECT

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

!WARNING!

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

VISIBILITY

Headlight, brake lights, turn signals, and reflective decals are standard visibility features. Using your lights day and night helps provide better visibility for yourself and to others. Utilizing hand signals is encouraged in conjunction with your turn signals but is a must in models without them.

FULLY CHARGED

The Coaster ECT's use a lithium-ion battery for an efficient power system and long life. Be sure the battery is fully charged and placed on the Coaster ECT securely. Having enough power throughout the day ensures the e-motor lasts throughout the day. Maintain the Bosch battery as instructed by the Bosch user manual.

An additional 12 volt auxiliary battery on the Coaster AW models powers the alarm system and lights. Charge this extra battery nightly. This battery must be fully charged and installed before start-up.

!WARNING!

Damage to the battery or 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 ECT well maintained ensures all moving parts and pieces stay in good working order. A daily check verifies it is ready for use. If your Coaster ECT is part of a fleet, creating a daily checklist for your rider is helpful to keep things running smoothly.

Cleaning your bike of dirt and debris keeps the powder coating pristine. Wipe all lights and high visibility reflectors with a soft cloth. Do not use any cleaning products. Mild soap and water will do the trick.

This manual provides general maintenance information for various components of the Coaster ECT models. Refer to specific manufacturer's repair manual for detailed repairs and maintenance.

REPAIRS

There is no replacement for daily maintenance and cleaning your Coaster ECT. Regular tune-ups and repairs will be a necessity when you are making daily trips and deliveries. We recommend a certified Coaster Repair Technician for replacing parts or repairs.

!WARNING!

Improper repairs or adjustments may damage your Coaster ECT, but even worse, it could cause an accident, injury, or death.

START YOUR RIDE

1. 360° INSPECTION

Start with a 360° visual inspection of the Coaster ECT and its surroundings before each ride to ensure safe and smooth operation. Check for any obstructions in the path of the tires and chassis. Make sure all doors are securely closed.

Check tires for proper inflation (See page 27). Inspect and manipulate the wheels to ensure they are secure, with no lateral movement.

2. ADJUST

Adjust your 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 Coaster ECT and verify the setup suits your riding position. Never extend the seat post past the minimum insertion line.

If your Coaster model (Parcel AW & Freighter AW) comes equipped with mirrors, make adjustments to maximize sightlines and reduce blind spots.

3. INSTALL BATTERY

Verify the battery is secure and fully charged before riding.

For models with secondary lighting, be sure the auxiliary battery is charged and installed properly.

4. POWER

Power on the lighting and electrical system by passing the blue Radio-Frequency Identification (RFID) keyfob over the receiver located in the upper right-hand corner of the rider cockpit. Verify that all lights and displays are working.

Coaster AW Models: **Always** swipe the **blue** keyfob before any movement or ride. The alarm WILL sound if not first disarmed with the keyfob. **Note: The Venture and Freighter do not need the RFID key for start up operation.**

5. RIDING MODE

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

Use the “+” and “-” keys to select riding mode. See page 25 for detailed instructions.

6. 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.

7. SHIFTING

At any time, the eShift can be used for less or more assistance. This is helpful depending on the load and terrain. Especially with heavier loads, stop pedaling when you shift to lessen torque on the drive unit.

For models with automatic shifting, preferred cadence can be adjusted through the onboard computer.

8. GET MOVING

Sit on the saddle with both hands on the handlebars and both feet on the pedals. Change the controller to the eAssist mode you would like to use, and you are ready to start pedaling.

Use your signals (hands and/or lights) to pull into the bike lane or roadway. Lastly, enjoy your day!

Use the Troubleshooting Guide on page 32-33 for help with starting your Coaster ECT.

FINISH YOUR RIDE



1. PARKING

Find a secure place to park your Coaster ECT out of pedestrian and vehicle traffic. When possible, reverse park for safe maneuvering and exiting for your next ride.

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 26.

3. CARGO LOCK

Close and lock all cargo doors with the designated key on the keyfob keyring.

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. See page 22 for charging specifics.

If your Coaster model has the 12 volt auxiliary battery, take it out of the compartment and charge nightly.

5. POWER DOWN

If you are not able to park your Coaster ECT in a secure area, the Parcel and Freighter AW models have a 12 volt auxiliary battery that operated an anti-theft system. This battery should be charged daily but could be used overnight to keep the anti-theft armed. Always verify this battery is charged before starting the next day.

When arming the anti-theft system, lights and controls, always use the blue keyfob to operate.



LOADING & DELIVERY

We care about the safety of the drivers and the security of the contents of the cargo. Locking cargo doors ensure that your contents are protected when you stop for a delivery.

Max cargo loads vary between Coaster models. Verify the weights on the specification sheet and strictly adhere to these recommendations.

Weight Distribution

When delivering or receiving packages, place heavier parcels at the bottom and toward the center of the Coaster cargo box.

Keep your weight centered over the frame at all times. Avoid abrupt or forceful turns to keep loads evenly distributed.



!WARNING!

Never overload your Coaster ECT. This will impact your steering and handling ability and any warranty claims.

Speed

Slowing down before you reach a turn helps to reduce the potential for your Coaster ECT to become unbalanced and tip—practice riding with and without a load to understand the maneuverability and control. Using caution on any downhill, manage acceleration and apply equal pressure to the front and rear brakes to control speed.

Any high impact or force on your Coaster ECT and its components could harm you or others or void any applicable warranties.

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

!WARNING!

High tipping risk. Avoid abrupt maneuvers and turns. Control speed entering and exiting turns.

Braking

Always ride with both hands on the handlebars for better control while braking. Smooth braking and turning ensure any obstacle doesn't cause an incident or accident.

Do the majority of braking before entering a turn. Since your Coaster ECT or load can become unbalanced during a ride.

Always engage both front and rear brakes at the same time to come to a stop or slow down before entering a turn.

!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.

LOADING & DELIVERY

CANOPY

The AW Canopy is a weatherproof enclosure that helps protect the rider. There is an integrated cockpit with a cell phone holder, a USB charger, and a back up camera.

The Coaster AW Cover is an optional accessory for completely waterproof storage. Visit coastercycles.com/partsstore for more information.



PARKING

When possible, park your Coaster ECT 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 the lanes of traffic.



!CAUTION!

Use a mild solution of warm water and dish detergent with a soft cloth. Never use any cleaner containing ammonia, and never use a dry cloth or your hand.



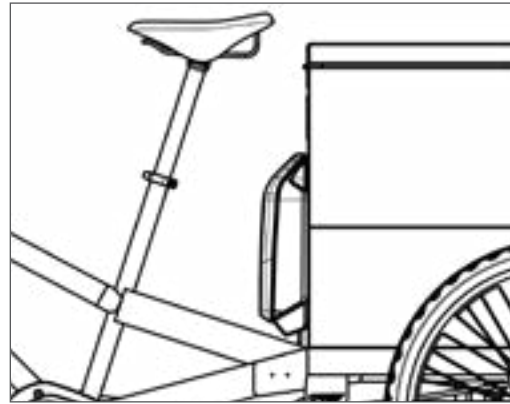
HAZARD LIGHTS

When making an extended stop or riding in low visibility conditions, apply the hazard lights to make it easy for others to see you.

!WARNING!

Road rules and regulations apply to every ride. Use your signals, horn, and lights to communicate with others what you are about to do.

TOUCH POINTS



Always make sure the seat post is inserted past the minimum insertion line.

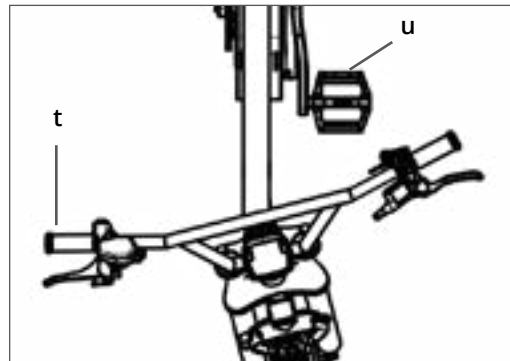
MIRRORS

Safety is a top priority for everybody on the roads and paths. Large side mirrors are installed on the Coaster AW models, and provide excellent visibility around and behind Coaster ECT's.

Always adjust your mirrors to maximize sight-lines and reduce blind spots.

GRIPS

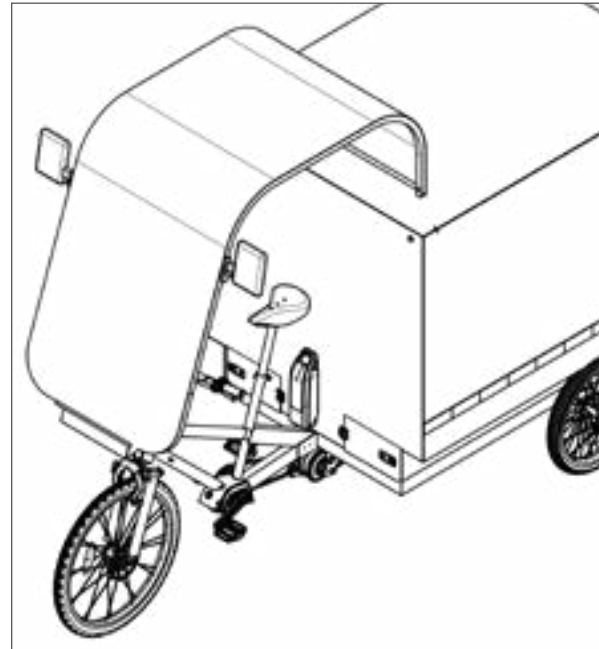
Soft rubber grips (t) provide maximum comfort and anti-vibration to help eliminate numbness and slipping for any size hand.



SADDLE

You can adjust the height and the front and back position of the saddle to suit your comfort. However, there are a few things to keep in mind to determine the correct adjustment for you.

Open the quick release. Adjust saddle up and down to desired height, making sure the minimum insertion line is not showing. We recommend a saddle height at hip level as a starting point. Close the quick release to secure the seat post in its final position.



PEDALS

All Coaster models have pedals (u) with a superior grip. Check your pedals for wear, and contact your Coaster Repair Technician if you detect play while stepping on the pedals.

!WARNING!

Pedals and crank set will rotate when walk assistance is on. There is a risk of injury to your legs when pushing the bike while the "Walk" mode is activated.

AW COMPONENTS

Coaster AW models come equipped with additional features for navigation and visibility.

MULTI-FUNCTION SWITCH

The multi-function switch located on the right-hand side of the handlebars operates the lights, signals, hazard lights, and horn.

Turn Signals

Activate turn signals by moving the turn signal switch (n) in the desired direction. Turn signals automatically reset after 20 seconds.

Horn

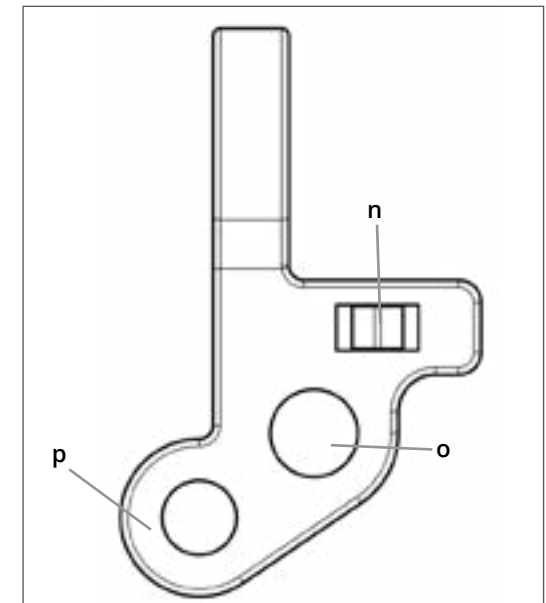
Sound the horn at any time by pushing the green button (p).

Running Lights

Push the red button (o) to switch on the Coaster ECT's running lights.

Hazard Lights

Toggle the turn signal switch (n) back and forth three consecutive times to activate the hazard lights. The hazard lights will remain in operation should you turn the system off during extended stops.



A 12 volt battery operates all lights and the anti-theft system. See page 32 to troubleshoot if lights or alarm are not functioning.

!WARNING!

Come to a complete stop before using any electronic device. Distracted riding is hazardous to you and those around you.

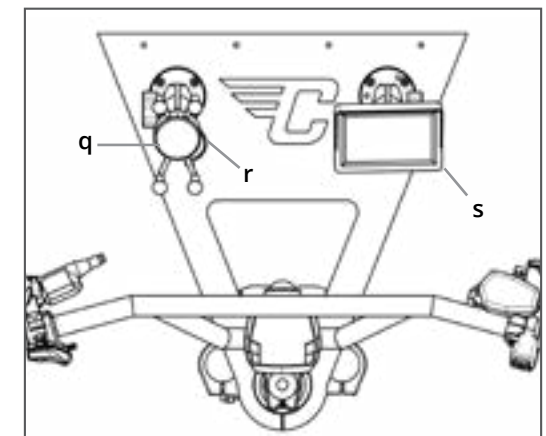
CELL PHONE HOLDER

The cell phone holder (q) is integrated into the cockpit of the AW models. To charge your phone, a dedicated USB charger (r) is provided.

BACK UP CAMERA

For safe maneuvering, the AW models are outfitted with large side-view mirrors and a back up camera (s).

The Coaster cargo box blocks your view when backing up or parking in tight spaces. Utilizing the mirrors and camera will ensure your path is clear.



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 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 ECT

1. Park your Coaster ECT close to an outlet.
2. Turn On/Off button (a) to switch off the battery.
3. Check the charger for any damage and then insert the charge socket into the Bosch battery.
4. Connect the main cable (c) of the battery charger into outlet.

On the Charger

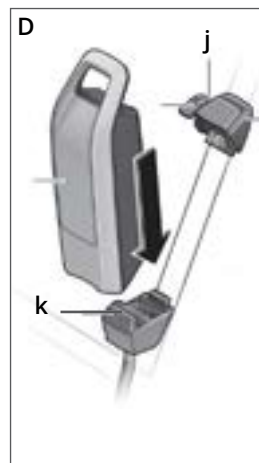
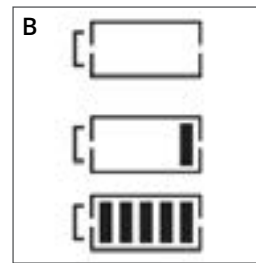
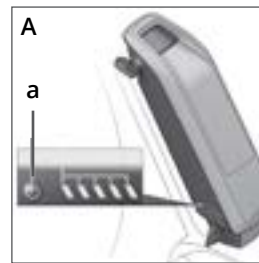
1. Press the On/Off button (a) to switch the battery off.
2. Remove the battery from the Coaster ECT.
4. Place the battery on a clean surface.
5. Insert the charger plug into the socket on the battery.
6. Connect the main cable of the battery charger into outlet.

Removing Battery

1. Press the On/Off button (a) to switch the battery off.
2. Use designated key (m), place in battery lock and turn key counter 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 Coaster ECT and attach to charger.

Attaching Battery (D)

1. Insert the battery place it onto the contacts on the lower holder (k) on the Coaster ECT.
2. Tilt it into the upper holder (j) as far as possible.
3. Lock securely into place using provided key (l).



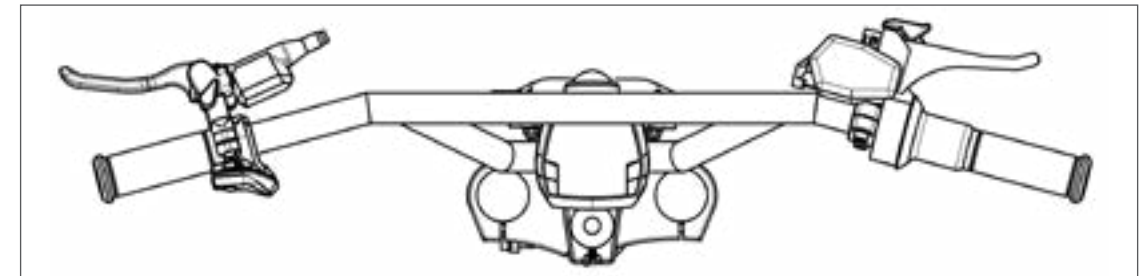
DRIVETRAIN

INTERNAL GEAR HUB

All Coaster models feature either manual (Venture) or automatic (Parcel/Freighter) shifting.

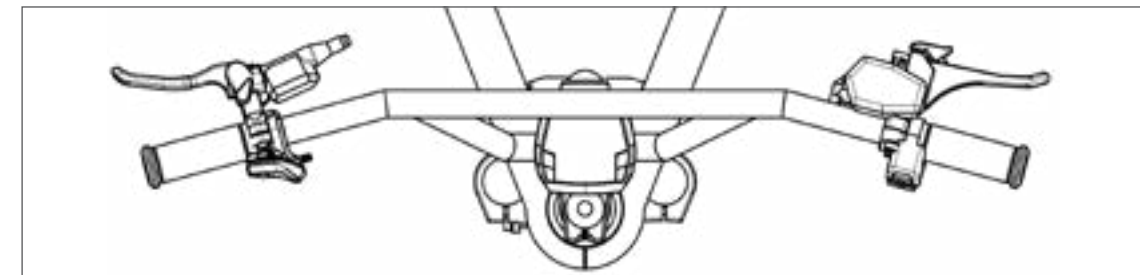
Manual Shifting

Venture models are equipped with manual shifting. Riders may change gears by using the handlebar shifter in order to control desired cadence and effort level.



Automatic Shifting

Automatic shifting will adjust the gears on the Parcel and Freighter models as you ride to pedal at the same cadence, even up or downhill. Seamlessly integrated, it will quickly supply the information to shift the gears, so you don't have to.



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. This component will enable it to run with minimal maintenance or failures.

CHAIN

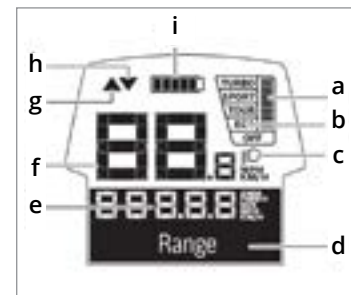
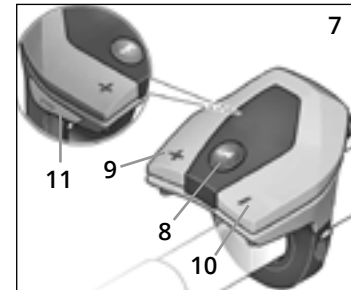
The front chain is 3/32" wide and is rated to carry loads associated with a motor-driven drivetrain. The rear chain is 1/8" wide and corrosion-resistant, designed to survive repeated exposure to the elements.

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

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

Insert

Slide from the front into the holder.

Remove

Press the lock latch (15) and slide the on-board computer toward the front out of the holder.

(16) Locking screw (thread M3, 8 mm long) does not prevent theft. Remove the on-board computer when you park the Coaster ECT.



eASSIST SETTINGS

The level of assistance can be adjusted on all models via the Controller (7). The assistance level can be changed anytime, even during riding.

To increase the assistance level use the controller and press the "+" button (9) on the operating unit until the desired assistance level is displayed on 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.
	TOUR	Uniform touring assistance for long touring range.
	SPORT	Powerful assistance continuous stopping and starting.
Maximum Assistance	TURBO	High cadence riding supporting maximum assistance.

WALK

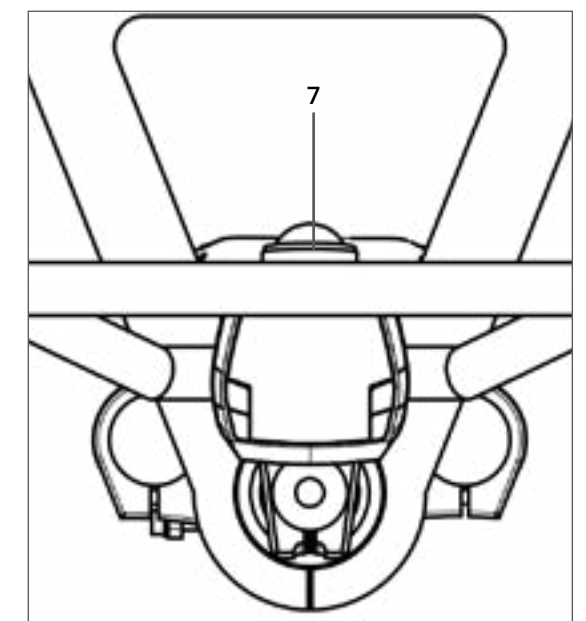
To activate the walk assistance function, briefly press the "WALK" button (11) on your on-board computer. After activation, press button "+" button within 3 seconds and keep it pressed. The eBike drive is now switched on.

Note: Walk assistance cannot be activated in the "OFF" assistance level.

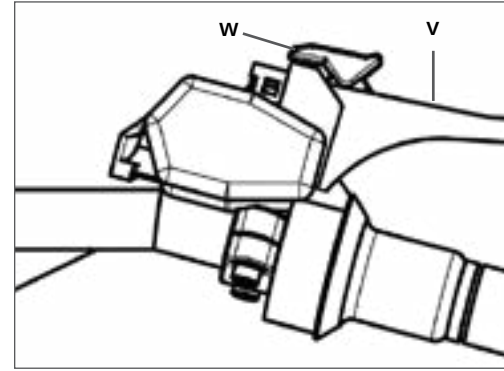


!WARNING!

The Walk assistance function must only be used when pushing the Coaster ECT. When the push assistance is activated, the pedals may turn at the same time. Put enough space between your legs and the turning pedals to avoid the risk of injury.



BRAKING



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 (w) toward the hand grip.
2. Push small locking lever (v) 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 keyfob and keys with you leaves your Coaster ECT protected from unauthorized riders.

DISC BRAKES

Your Coaster Electric Cargo Trike comes with hydraulic disc brakes, making for an easy stop, especially with a heavy load.

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

Pre-check your brakes are working before heading out on the road. There should always feel like there is tension when squeezing the levers.



FRAME LOCK

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

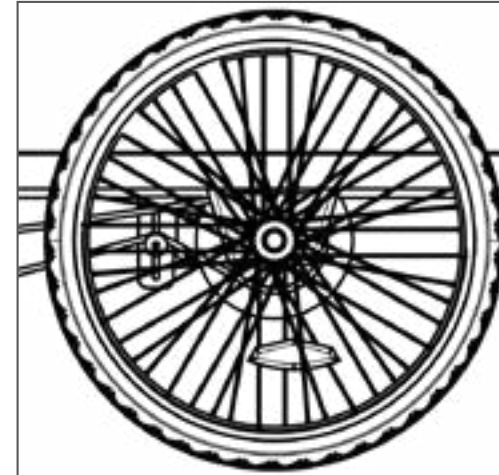
To Lock

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.
3. Remove key before riding.

TIRES & WHEELS



KEEP THINGS ROLLING

Checking tires and wheels for damage can prevent accidents or broken components while your Coaster ECT is used. Look for tread wear on tires and replace if worn, cracked, or not rolling smooth.

!WARNING!

Riding with low tire pressure may damage tires and wheel hubs and create a bumpy or challenging ride. Check your tires before each ride. Inflate tires to the proper pressure listed below.

Wheel Trueness

If your wheels have a wobble or your brakes are rubbing, waste no time in getting your Coaster ECT repaired. Having components checked by a certified Coaster Repair Technician will save time, money, and potential damage.

Check rims and spokes for damage. Pitting, dents, etc., can interfere with a smooth rolling tire and potentially interfere with the structure or disc brakes. Having components checked by a certified Coaster Repair Technician will save time, money, and potential damage.

Wear

When you check for wear on your tires, you want to see the rubber and an even tread pattern. If there is any uneven wear, have your wheels checked for trueness and spoke tension. Significant or uneven wear can be due to continued use with insufficient tire pressure. Weather can also play a part in tire wear, including long-term heat and UV exposure.

TIRE SPECIFICATIONS

	VENTURE	PARCEL AW	FREIGHTER	FREIGHTER AW
Front Tire Dimensions	26" x 2.35"	26" x 2.35"	26" x 2.35"	26" x 2.35"
Front Tire Inflation	35 psi 2.41 bar	55 psi 3.79 bar	55 psi 3.79 bar	55 psi 3.79 bar
Rear Tire Dimensions	26" x 2.35"	20" x 2.35"	20" x 2.35"	20" x 2.35"
Rear Tire Inflation	35 psi 2.41 bar	55 psi 3.79 bar	55 psi 3.79 bar	55 psi 3.79 bar

MAINTENANCE

All maintenance recommendations in this manual are not detailed repair instructions. General maintenance is a rider's responsibility for their daily safety.

A qualified Coaster Repair Technician should do repairs and service on your Coaster ECT.

IMPORTANT SAFETY PRECAUTIONS

To eliminate potential hazards, follow the start-up instructions in this manual or see our start-up videos at coastercycles.com/explore to have an understanding of how the Coaster ECT operates.

We recommend visiting a Coaster Repair Technician regularly for proper maintenance and repairs.

- Be prepared with the proper tools and equipment to get the job done safely.

- Park the Coaster ECT on level ground and engage the brakes and frame lock to prevent any movement or rolling.

- Start with a 360° visual inspection of your Coaster ECT.

- Wear eye protection and any other PPE required for the equipment or materials you will be using.

- Turn off and remove the battery before starting any maintenance.

- Keep open flames, sparks, and cigarettes away from the Coaster ECT to reduce any possibility of a fire.

- If you suspect any damage beyond general maintenance, visit your local Coaster Repair Technician.

!WARNING!

Improper repairs or adjustments may damage your Coaster ECT, but even worse, it could cause an accident, injury, or death.

OWNER MAINTENANCE

Along with a daily walk around and keeping things clean, there are a few steps that a Coaster owner can do to ensure items are in good working order.

Battery

Having fully charged batteries keeps your Coaster ECT performing all day. See page 22.

Tires

Examine tire tread for wear or foreign objects. Check tire pressure daily. See page 27.

Lights

Clean all lights and signals with a damp cloth. Verify they are all operating before riding. See page 21.

Brakes

Verify brakes have good tension before every ride. Check fluid level monthly (reservoir located on the right side of handlebars).

CLEANING

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

Begin by turning off and removing the battery. Use a damp, soft cloth and only mild soap and water if required to clean dirt from the frame, cargo box, and other components. Avoid soaking or spraying water, especially on controls, drive unit, or lubricated parts.

For specific instructions on how to clean the Drive Unit, see manufactures instructions at coastercycles.com/support.

!CAUTION!

Keep water away from any lubricated or electrical components.

MAINTENANCE

TIRES

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

As part of your daily 360° visual inspection, always verify all three tires have minimal wear, are free from obstructions, and are inflated to the proper pressure (See page 27).



SPOKES

Check spoke tension once a week for excessively loose or rattling spokes which may compromise the integrity of the wheels and tires.

Riding with heavier loads can lead to more wear and tear to 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 specific bike chain lubricant and apply it to each pin as you move the pedals backward to distribute evenly. Wipe any excess off the chain and avoid getting any residue on disc brakes or electrical components.

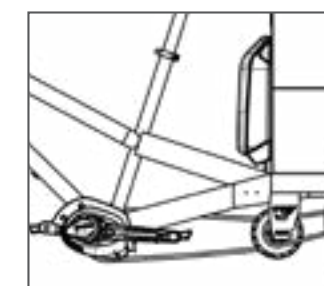
When applying the lubrication, hold a rag under the chain to avoid drips on other parts.

!WARNING!

Incorrect chain tension can cause increased wear on other drive components or cause your Coaster ECT to become unstable while riding.

!CAUTION!

Do not spill lubricant on disc brakes or any electrical components.



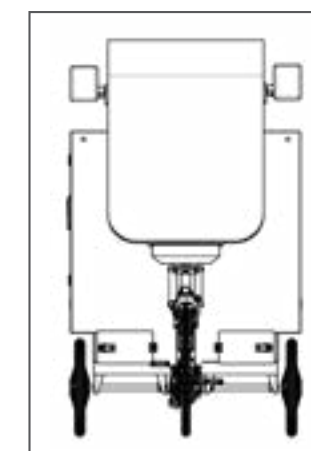
STORAGE

For long-term storage, always take your Bosch battery and 12 volt battery off the Coaster ECT and store them separately. Store battery at room temperature in a dry and well-ventilated location. It is ideal for keeping the battery between 30% to 60% charged (2-3 LED's on the battery indicator).

Your Coaster ECT should also be stored in a dry and well-ventilated area. Extreme high or low temperatures (32 F (0 C) - 68 F (20 C)) could damage components, void warranties, or cause potential risk to the rider.

Dry all components and the chassis, lubricate the chain, and cover the Coaster ECT to keep 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

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		
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
Chain Wear			x	
Cog Wear				x

MAINTENANCE

COASTER ECT PART REPLACEMENT SCHEDULE	Every 2000	3000	6000
Rear Tires	x		
Front Tire	x		
Front Drive Chain	x		
Rear Drive Chain		x	x
Cables (Venture)		x	
Hydraulic Fluid		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 your Coaster ECT motor checked at least once a year by Coaster Repair Technician or Bosch Service Dealer.

Headset

Tighten if the headset is not spinning smooth or has play.

Lighting

Replace any light if not working correctly, including brakes and signals.

TROUBLESHOOT

We have put together a few techniques for troubleshooting specific components to keep you riding along.

START-UP

My Coaster ECT won't start?

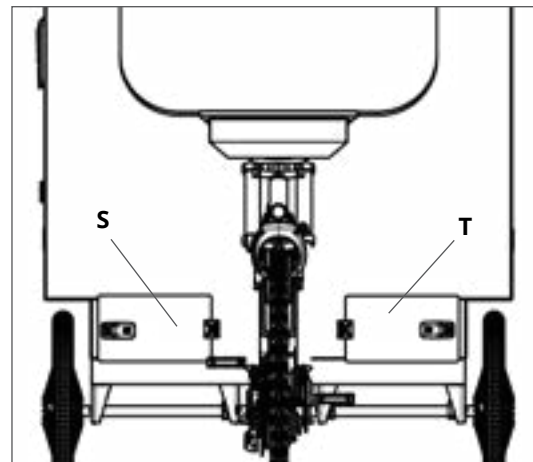
Places to start:

Check battery charge.

Check battery placement and be sure it is seated and locked.

Read the Battery Troubleshooting guide on the page 33, as well as the Bosch Battery user manual if your battery is not charging correctly.

If the Coaster ECT still won't start and you have an anti-theft system (All Weather models), a 12 volt battery is located in a compartment (S) behind the rider inside the cargo box that must be charged nightly. Compartment (T) is for rider's gear.



!WARNING!

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

RFID - KEYFOB

The RFID keyfobs and keys are specific to your Coaster ECT.

Swiping the blue RFID chip over the receiver powers down the system, including the Bosch motor, and arms the anti-theft alarm.

Even without the Bosch battery installed, the blue keyfob will turn on the lights (if installed on your specific Coaster model) using a 12 volt auxiliary battery located inside the cargo box. This additional battery allows the anti-theft to be activated while parked.

What if I lose my RFID keyfob?

A serial number specifies each RFID keyfob. Record serial number so the key can be identified for potential key replacement. You can also record your specific Coaster serial number along with this information for fast identification.

Why won't my alarm shut off?

Hold the RFID over the reader until the alarm shuts off.

The battery was removed, why are the lights still on?

An internal 12 volt battery on the Parcel and Freighter models, powers lights and the alarm system. Hold the RFID keyfob over the sensor to power them off.

OVERVIEW

What should I do if my battery and Coaster ECT get wet?

The Bosh battery is designed to shed water and keep the contacts dry. Before charging, verify the mount and plug are clean. Completely dry with a soft rag if chassis or other components are wet before storing or riding.

TROUBLESHOOT

DRIVE UNIT

If a fault is detected, a code appears on the Bosch On-Board Computer screen. See the Bosch User Manual for a complete list of error codes to determine what type of fault has occurred.

Below is a list of common errors. A good place to start is restarting the unit to see if that clears any errors. *Have all repairs performed by a certified Bosch Dealer or Coaster Repair Technician.*

418

Cause: One or more buttons on the controller are disabled.

Resolution: Buttons may stick as a result of dirt. Clean the controls on the on-board computer and controller if needed with a dry cloth to dislodge any debris. Avoid using water or high-pressure air.

430

Cause: The internal battery of the controller is not charged.

Resolution: Charge the on-board computer (in the holder or via the USB port).

Computer Display is blank?

Cause: Internal fault of the on-board computer.

Resolution: Restart your entire ECT system by switching it off and back on.

All LED lights will go out if the controller battery is below 5%. Use the Drive Unit Controller manual to the replace battery.

The Speed on the On-Board Computer Display is not showing -

The speed sensor and the magnet are not lined up; they won't talk to the controller.

Loosen the sensor magnet bolt and verify it runs past the mark on the sensor. The magnet must be present and positioned correctly, or the power-assist function will shut down after a short amount of time.

If the controller still does not register speed, visit a Coaster Repair Technician for service.

!WARNING!

Warnings listed on the actual battery do not list all potential hazards of using lithium-ion batteries.

BATTERY

Read and understand all safety warnings and instructions before use. You can find detailed information and troubleshooting information in the Bosch Drive System Owner's manual.

How long does it take the battery to charge?

Your Bosch Cargo Battery will take 4.5 hours to charge 100% with the standard charger.

Charging Troubleshooter

If the Bosch battery is not in use and left on, it will automatically shut off after 10 minutes to save energy. Although the battery has built-in technology to prevent overheating and short-circuiting, it will automatically shut off in the event of danger.

If a fault does occur, two of the LED's on the charge indicator will flash. Take your battery to a certified Bosch dealer for servicing.

How far can I ride?

Your distance will depend on how speedy you are, what assistance level you use throughout the day, the age of the battery, and even environmental factors.

To plan your trip use the online range calculator at [bosch-ebike.com/service](https://www.bosch-ebike.com/service)

Cadence: A higher cadence optimizes efficiency of the drive unit.

Shifting: Starting in a smaller assistance level and building in speed depending on your terrain. You can calculate your range online at [bosch-ebike.com/range](https://www.bosch-ebike.com/range)

REFERENCE

WEBSITE

coastercycles.com

BOSCH BATTERY

bosch-ebike.com

CONTROLLER

bosch-ebike.com

MOTOR

enviolo.com

SAFETY

coastercycles.com



CONTACT

COASTER CYCLES

Coaster Cycles are proudly assembled in Montana, USA

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

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[instagram @coastercycles](https://www.instagram.com/coastercycles)

[twitter.com/coastercycles](https://www.twitter.com/coastercycles)

BATTERY DISPOSAL

Please do not dispose of batteries or other elements 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.

