Cannondale Supplements

This manual is a “supplement” to your Cannondale Bicycle Owner’s Manual. This supplement provides additional and important model specific safety, maintenance, and technical information. It may be one of several important manuals/supplements for your bike; obtain and read all of them.

Please contact your Cannondale Dealer immediately if you need a manual or supplement, or have a question about your bike. You may also contact us using the appropriate country/region/location information. See Contacting Cannondale in this supplement.

You can download Adobe Acrobat PDF versions of any manual/supplement from our website: www.cannondale.com

This supplement contains information for the following models:

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>G5S277M</td>
<td>27.5+ M MOTERRA 2 US</td>
</tr>
<tr>
<td>G5S107M</td>
<td>27.5 M MOTERRA LT 1</td>
</tr>
<tr>
<td>G5S157M</td>
<td>27.5+ M MOTERRA 1</td>
</tr>
<tr>
<td>G5S207M</td>
<td>27.5 M MOTERRA LT 2</td>
</tr>
<tr>
<td>G5S257M</td>
<td>27.5+ M MOTERRA 2</td>
</tr>
<tr>
<td>G5S357M</td>
<td>27.5+ M MOTERRA 3</td>
</tr>
</tbody>
</table>

eBike Drive System

The manufacturer’s owner’s manuals and instructions for the operation and maintenance of the drive-assist system are available as electronic downloads (in Adobe Acrobat PDF format) from our website.

Obtain and read these materials BEFORE you operate the bike.

Drive System Manufacturer:
BOSCH Performance Line CX

Drive System Owner’s Manual:
http://www.bosch-ebike.de

NOTICE
Unauthorized service, maintenance, or repair parts can result in serious damage and void your warranty.

CANNONDALE EUROPE

Cycling Sports Group Europe, B.V.
Han zepoort 27, 7570 CC, Oldenzaal, Netherlands
(Voice): +31 61 4879380
(Fax): +31 5415 14240
servicedeskeurope@cyclingsportsgroup.com

This bike complies with EN 15194,
EN ISO 4210 - Electrically Power Assisted Cycles (EPAC).

Vehicle Category: A
Make: Cannondale

1. -- 10. 34Z, 30Z
2. -- 26Z, 25Z
3. -- 21Z, 16Z
4. -- 17Z, 11Z
5. -- 13Z, 11Z
6. 0.275.007.031 -- 11. --
7. -- 12. --
7.a -- 8. --
9. 20Z
Intended Use

This model is equipped with an electric pedal assist drive system. It is not a moped or motorcycle. In EU countries, it is known legally as an “EPAC” cycle or Electrically Powered Assisted Cycle.

The drive assist system consists of a drive unit, a battery, a computer control, and various electronic components (harness wires, sensors, and switches). This model bike does share components common with pedal-only bikes.

It is important to know that when the assist system is turned ON, the drive unit engages to provide power only while you are pedaling. The amount of power provided by the drive unit depends on your pedaling force and the assistance mode/level you set with the handlebar control unit. At anytime, if you stop pedaling, the drive assist will dis-engage. In all modes/levels, the drive assist system power reduces progressively and cuts off as the bike reaches a the maximum allowable speed. The drive-assist re-engages when speed drops below the maximum allowable speed as long as the pedals are turning.

Whenever the drive assist system is turned OFF, You can pedal the bike normally. The drive system will not engage.

Compliance/Regulation

**WARNING**

MAXIMUM ALLOWABLE ASSIST SPEED: The drive assist system is limited to a maximum continuous power rating of 0.25 kW (250 W) and a maximum speed of 25 Km/h.

YOU MUST FOLLOW ALL LOCAL LAWS:

It is your responsibility to identify and follow all local laws and regulations (including fitting your bike with additional equipment) necessary to comply with your state and local laws.

Ask your local Cannondale Dealer for more information about operating an electrically assisted pedal bicycle in your area.

Drive System

**WARNING**

MANUFACTURER’S INSTRUCTIONS - In addition to this supplement, you must read and follow the manufacturer’s instructions for all components of the drive assist system:

- Drive Unit
- Battery
- Display/Control Unit
- Charger

These instructions contain correct operation, service and maintenance information. Drive system instructions can be also be found at www.cannondale.com.
Operation

**WARNING**

**IMPORTANCE OF PRACTICE & RIDER TRAINING -** Before you ride this bike, practice riding in a safe area free from hazards. Take time to learn to bike’s controls and performance. Practice the controls and gain the experience necessary to avoid the many hazards you will encounter while riding.

**DO NOT RIDE “HANDS-OFF”** - Keep your hands on the handlebars when riding the bike. If you remove your hands from the handlebar while riding, you can lose control of the bicycle and crash.

**CHANGING THE ASSISTANCE LEVEL WHILE RIDING** - Changing the drive assistance level while riding will increase or decrease the acceleration of the bike. You should anticipate this change in speed and react appropriately depending on the riding conditions. (such as on slippery trails, tight turns, or unstable or uneven surfaces). Set assistance level to “ECO” (lowest assist) or “OFF” before descending technical trails, (e.g. tight downhill switchbacks)."

**WHEN NOT RIDING - TURN THE DRIVE SYSTEM OFF and REMOVE THE BATTERY, KEY, AND CONTROL UNIT AND STORE ALL IN A SECURE AREA TO PREVENT UNAUTHORIZED USE.** Remove the battery and key when the bike is parked for long periods.

**DO NOT ALLOW CHILDREN TO OPERATE EBIKE.** Follow any state or local laws for any minimum age restrictions for eBikes.

**ONLY TURN THE DRIVE SYSTEM ON WHEN YOU ARE SEATED WITH YOUR HANDS ON THE HANDLEBAR READY TO RIDE.**

**EBIKES ARE HEAVIER THAN ORDINARY MOUNTAIN BIKES.** This bike has wide bars, and with wide tires without an integrated kickstand to hold it parked upright. Always park the bike in a suitable safe area away from children, cars or animals that may come into contact with it.

**WEAR A HELMET AND ALL OTHER PROTECTIVE GEAR (GLOVES, PADS, AND CYCLING SHOES).**

Modification

**WARNING**

**DO NOT MODIFY THIS BICYCLE/DRIVE SYSTEM/ IN ANY WAY FOR ANY REASON.** Doing so can result in severe damage, faulty or dangerous operating conditions, or violation of local laws.

**Dealers and owners MUST NOT change, alter, or modify in any way the original components of the bicycle or drive assist system and the specified sizing of the attached gear ratios (front/rear chain rings). Specifically attempts to “hot-rod” or “improve” the speed of the bike are dangerous to the rider. Use only specified CANNONDALE and manufacturer drive assist service and replacement parts.**

Battery Strap

**WARNING**

**DO NOT RIDE WITH A MISSING OR DAMAGED BATTERY STRAP.**

The battery strap is an additional and required retention device. It must be used with the battery key locking mechanism while riding. If the battery strap is missing, secured incorrectly, or damaged; the battery could become damaged resulting in an accident.

- Follow the instructions in this supplement for installing the battery and securing the battery strap.
- Replace the battery strap with a new one if it is damaged in any way. See REPLACEMENT PARTS.

No Child Seats or Trailers

**WARNING**

**YOU CAN BE SERIOUSLY INJURED, PARALYZED OR KILLED IF YOU IGNORE WARNINGS.**

Child seats and trailers or racks can not be used and are not allowed to be used with your Cannondale e-bike.
1. Drive Unit  
2. Battery  
3. Drive Control Unit  
4. Speed Sensor (left side)  
5. Rear Cassette  
6. Front Chain Ring  
7. Battery Strap  
8. Bike Serial Number/ID  
9. Key (on left side)

Your E-Series bike comes with a main key and spare key. The keys are identified by the serial number SERIAL. Please record the key serial number for future use and key replacement. If your keys are ever lost or stolen, or you would like additional spares, please contact: www.abus.com

Notice

Don’t ride with key in battery lock. Always remove the key from the lock after using it. Keys may be stolen or break off accidentally in the lock.
Keep your spare key in a safe place.

Please Note: After lots of rides and washing, the battery lock can become dry and difficult to use. To maintain, whenever you lubricate your bike chain, place a few drops of chain oil on the key insert the key and operate the lock, then remove and wipe the key clean.

Record key SERIAL here:
# TECHNICAL INFORMATION

## Frame Specification

<table>
<thead>
<tr>
<th></th>
<th>MOTERRA</th>
<th>MOTERRA LT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HEAD TUBE</strong></td>
<td>Cannondale Si</td>
<td></td>
</tr>
<tr>
<td><strong>BOTTOM BRACKET</strong></td>
<td>BOSCH</td>
<td>BOSCH</td>
</tr>
<tr>
<td><strong>FRONT DERAILLEUR</strong></td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td><strong>SEAT POST DIA./BINDER</strong></td>
<td>31.6 / 35 mm</td>
<td>31.6 / 35 mm</td>
</tr>
<tr>
<td><strong>MINIMUM SEAT POST INSERT</strong></td>
<td>100 mm</td>
<td>100 mm</td>
</tr>
<tr>
<td><strong>TIRE (SIZE/MAXIMUM WIDTH)</strong></td>
<td>275 x 2.8</td>
<td>275 x 2.4</td>
</tr>
<tr>
<td><strong>MINIMUM FORK LENGTH</strong></td>
<td>541mm</td>
<td>556mm</td>
</tr>
<tr>
<td><strong>EYE-TO-EYE</strong></td>
<td>200 x 51 mm</td>
<td>216 x 63 mm</td>
</tr>
<tr>
<td><strong>REAR BRAKE</strong></td>
<td>Post Mount/ Adapter 180/185/203 mm</td>
<td></td>
</tr>
<tr>
<td><strong>ISCG</strong></td>
<td>Cannondale Chain Guide item “E”</td>
<td></td>
</tr>
<tr>
<td><strong>REAR DROPOUT</strong></td>
<td>157 x 12 mm</td>
<td></td>
</tr>
<tr>
<td><strong>MAXIMUM WEIGHT LIMIT (Lbs/Kg)</strong></td>
<td>330 lbs/150kg</td>
<td></td>
</tr>
</tbody>
</table>

To calculate maximum load of your e-bike, please deduct bike weight from total Maximum Bike Weight Limit (330 lbs/150kg). To find the bike weight, please see CE Sticker on your bike or contact your local Cannondale Dealer.

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## Drive System Specification

<table>
<thead>
<tr>
<th></th>
<th>MOTERRA</th>
<th>MOTERRA LT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DRIVE UNIT</strong></td>
<td>BOSCH Performance Line CX 250W 0 275 007 045</td>
<td></td>
</tr>
<tr>
<td><strong>BATTERY</strong></td>
<td>BOSCH PowerPack 500Wh 0 275 007 533/534</td>
<td></td>
</tr>
<tr>
<td><strong>DISPLAY</strong></td>
<td>BOSCH Intuvia 1 270 020 906/909</td>
<td>BOSCH Purion 1 270 020 916/917</td>
</tr>
<tr>
<td><strong>CHARGER</strong></td>
<td>BOSCH 4A 0 275 007 906</td>
<td>0 275 007 915</td>
</tr>
<tr>
<td><strong>REAR CASSETTE</strong></td>
<td>11-42T</td>
<td></td>
</tr>
<tr>
<td><strong>FRONT CHAIN RING</strong></td>
<td>Cannondale p/n : CK2047U0005</td>
<td></td>
</tr>
<tr>
<td><strong>CRANK ARMS</strong></td>
<td>FSA-CK745/1S, 170mm</td>
<td></td>
</tr>
<tr>
<td><strong>MAXIMUM SUPPORT up to:</strong></td>
<td>25 km/h , 15.5 mph</td>
<td></td>
</tr>
<tr>
<td><strong>ASSIST SUPPORT LEVELS</strong></td>
<td>OFF, ECO, TOUR, SPORT, TURBO</td>
<td></td>
</tr>
</tbody>
</table>

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Please read your Cannondale Bicycle Owner’s Manual for more information on specification marked with the safety alert symbol "⚠️".
Frame Geometry

<table>
<thead>
<tr>
<th>SIZE (cm)</th>
<th>MOTERRA</th>
<th>MOTERRA LT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A SEAT TUBE LENGTH</td>
<td>S 40 M 44 L 48 XL 52</td>
<td>S 40 M 44 L 48 XL 52</td>
</tr>
<tr>
<td>B TOP TUBE HORIZONTAL</td>
<td>57.4 60.1 63.1 65.8</td>
<td>55.6 58.6 61.6 64.3</td>
</tr>
<tr>
<td>C TOP TUBE ACTUAL</td>
<td>N/A ★ ★ ★ ★ ★ ★ ★</td>
<td>★ ★ ★ ★ ★ ★ ★ ★</td>
</tr>
<tr>
<td>D HEAD TUBE ANGLE</td>
<td>67° 67.5° 66° ★ ★ ★★</td>
<td>66° ★ ★ ★ ★ ★ ★</td>
</tr>
<tr>
<td>E SEAT TUBE ANGLE EFFECTIVE</td>
<td>75° 74° 74.8° ★ ★ ★</td>
<td>74.8° ★ ★ ★ ★ ★</td>
</tr>
<tr>
<td>F STAND OVER</td>
<td>75 76 76 77</td>
<td>77 78 78 79</td>
</tr>
<tr>
<td>G HEAD TUBE LENGTH</td>
<td>109.7 122.4 134.4 134.4</td>
<td>109.7 122.4 134.4 134.4</td>
</tr>
<tr>
<td>H WHEELBASE</td>
<td>117.2 118.3 121.4 124.1</td>
<td>115.7 118.9 122.1 124.8</td>
</tr>
<tr>
<td>I FRONT CENTER</td>
<td>71.5 72.7 75.8 78.5</td>
<td>71.4 74.6 77.8 80.5</td>
</tr>
<tr>
<td>J CHAIN STAY LENGTH</td>
<td>45.7 ★ ★ ★ ★</td>
<td>44.3 ★ ★ ★ ★ ★</td>
</tr>
<tr>
<td>K BOTTOM BRACKET DROP</td>
<td>19.0 ★ ★ ★ ★</td>
<td>-3.0 ★ ★ ★ ★ ★</td>
</tr>
<tr>
<td>L BOTTOM BRACKET HEIGHT</td>
<td>34.7 ★ ★ ★ ★</td>
<td>35.7 ★ ★ ★ ★ ★</td>
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<td>M FORK RAKE</td>
<td>51.0 ★ ★ ★ ★</td>
<td>50.0 ★ ★ ★ ★ ★</td>
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<td>N TRAIL</td>
<td>10.0 9.6 ★ ★ ★ ★</td>
<td>10.3 ★ ★ ★ ★ ★</td>
</tr>
<tr>
<td>O STACK</td>
<td>59.8 61.2 62.3 62.3</td>
<td>58.8 60.0 61.1 61.1</td>
</tr>
<tr>
<td>P REACH</td>
<td>41.4 42.5 45.2 47.9</td>
<td>39.6 42.3 45.0 47.7</td>
</tr>
</tbody>
</table>

All Specifications subject to change without notice.
★ - Indicates same.
Rear Shock

Set Up

1. Set the air pressure according to your body weight. Follow the shock manufacturer’s instructions for pressurizing the shock.

2. Slide the O-ring against the shock wiper seal.

3. Sit on the bike in a normal riding position with your hands on the handlebar and feet on the pedals so that your weight compresses the rear shock.

4. Measure the SAG. Adjust the air pressure in the shock to achieve the correct SAG measurement.

   Add air to decrease sag.

   Release air to increase sag.

   **Recommended Sag 30%**

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**WARNING**

SELECT ONLY COMPATIBLE SHOCKS AND FORKS FOR YOUR BIKE. DO NOT MODIFY YOUR BIKE IN ANY WAY TO MOUNT ONE. HAVE YOUR SHOCK OR FORK INSTALLED BY A PROFESSIONAL BIKE MECHANIC

- Riding with the wrong rear shock can damage the frame. You could have a serious accident. Make sure the total travel, eye-to-eye length, and stroke length of the rear shock you select meet the SPECIFICATIONS listed in this manual.

- When selecting different shocks or forks for your bike, make sure that the shock or fork you select is compatible with your bike’s design and how you will use your bike.

**YOU CAN BE SERIOUSLY INJURED, PARALYZED OR KILLED IF YOU IGNORE THESE WARNINGS.**

**NOTICE**

Mount the shock as shown.
Shock Link

1. Top Tube Pivot
2. Pivot Nut
3. Bearing
4. Spacer
5. Link
6. Shock Bolt
7. Shock Bolt
8. Seat Stay Axle
9. Shim
10. Pinch Bolts

a. gap (seat stay)
b. slot (shim)

Service Tool - KP169/

Service Tool Cannondale KP169/ is a multi-function tool set used to remove and install the axle (8) and shim (9). The kit also includes bearing driver needed to replace the link and swingarm bearings. It is available from a Cannondale Dealer.

Composite Link Bearing, Install

1. Clean outer race of all bearings and link bearing bores with denatured alcohol and clean cloth to remove any oil or contamination.
2. Apply a thin bead of Loctite 435 adhesive * around inside of a bearings bore near the outer edge of the bore.
3. Insert a bearing into the bore with adhesive and ensure it is fully seated on the lip (a) in the bore.
4. Ensure bearing is fully seated in bore.
5. Repeat steps 3-5 for the remaining 3 bearings.
6. Confirm that all 4 bearings are fully seated in each bore.
7. After 45 seconds the adhesive will cure enough for handling.
8. Wait a 5 minutes before installing link in frame.

Shock Link, Remove

1. Place the bike in a work stand. Make sure the wheel / swing arm is supported.
2. Remove the rear shock bolts and disconnect the shock from the link.
3. Remove the pinch bolts (10) and clean old thread locking agent from the threads.
4. Insert the driver tool KP169/ (as shown) into of the seat stay axle (8).
5. Drive out the axle by tapping on the tool with a small rubber mallet.
6. Loosen and remove the pivot nut (2) and remove the top tube pivot (1).
7. Remove the link and the spacers (4).

Shock Link, Install

1. Clean all parts with a dry lint-free shop towel.
2. Locate the spacers with the small ends into the link bearings.
3. Align and insert the top tube pivot . Tighten the pivot nut to the specified torque.
4. Align and insert the seat stay pivot with the larger end on the drive side. Insert the shim (9) over the axle end and position the slot (b) opposite the clamp gap (a).
2. Re-apply Loctite 242 (blue) to the pinch bolt threads and tighten to specified torque.
Carbon Link:
Install bearings w/Loctite 435 *
Main Pivot

1. Frame Pivot
2. Main Pivot Axle
3. Main Pivot Nut
4. Ring Clip
5. Bearing
6. Spacer
8. Swing Arm

The main pivot assembly connects the swingarm to the frame. It should be inspected periodically by a Cannondale Dealer to make sure all the parts are in good condition.

Service of worn or damaged parts in this assembly should be performed by a Cannondale Dealer.

As shown, a significant degree of disassembly is required.

The main pivot bearings (5) should be renewed periodically to ensure best performance, or if they become damaged during use. An indication of damage would be excessive play or loose feel of the swing arm connection.

Use Cannondale tool KP169/ bearing drivers to install and remove the bearings.

The non-drive side bearing (5) is retained by a ring clip (4).
The dropout bearings (7) should be renewed periodically to ensure best performance, or if they become damaged during use. An indication of damage would be excessive play or loose feel of the seat stay dropout connection.

The bearings (see inset) can be inspected without removing them. With the pivots removed, rotate the installed bearings. The bearings should be free of corrosion, fixed firmly in the dropout and rotate smoothly without a gritty or loose feel.

It is best practice to renew all the parts ring clips (6), bearings (7), pivots (5) and spacers (4) with new ones when service is required. The bearing pairs in each dropout are retained by two ring clips which are seated in a groove.

The small end of the spacers (4) fit into the bearings before connection of the seat stay ends (8).
Rear Derailleur Hanger

1. RD Hanger
2. Screws
3. Housing Guide

Anytime the RD Hanger is replaced due to damage or a crash, clean the dropout and also check for any damage.

The flexible housing guide (3) is an added part enclosing the internally routed RD housing/cable. It spans the housing section between the chain stay opening the connection to the rear derailleur. The guide is necessary to best shifting performance. Be sure to replace it if it is removed when servicing the rear derailleur.

Chain Stay Protector / Chain Guide / Front Chain Ring

The following items should be inspected often to make sure they are securely mounted and in good condition and if damaged, have them replaced by your Cannondale Dealer:

1. Chain Stay Protector - Prevents chain movement from damaging the chain stay.
2. Chain Guide - Retains the chain.
3. Front Chain Ring
4. Chain Ring Nut

WARNING

DO NOT RIDE WITH A MISSING OR DAMAGED CHAIN GUIDE.
Battery Strap

1. Battery Strap
2. Battery
3. Plate

- a. Loop
- b. Button
- c. Hook
- d. Hole
- e. Slot

The battery strap must be released before the battery can be released from the frame mounts with the key (not shown).

The battery strap must be secured at all times when riding. If it becomes loose or damaged, it must be replaced with a new one. Have this performed by your Cannondale Dealer.

**To release the strap:**
Pull the strap loop (a) back and down to disengage the hook (c) from the slot (e) in the plate (3).

**To secure the strap:**
Insert the charged battery (1) into the frame mounts and lock the battery in place with the key.

Remove the key.
Pull the strap loop (a) backward and engage the hook (e) with the slot in the plate (e) and release the strap tension. Make sure it is engaged forward. Press the button (b) into the plate (3).

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**WARNING**

DO NOT RIDE WITH A MISSING OR DAMAGED BATTERY STRAP.
## REPLACEMENT PARTS

<table>
<thead>
<tr>
<th>ID</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>CK3067U100S</td>
<td>Moterra Link Hardware BLK</td>
</tr>
<tr>
<td>C</td>
<td>CK3057M000S</td>
<td>Moterra Shock Mount Hardware</td>
</tr>
<tr>
<td>D</td>
<td>CK3037U1005S</td>
<td>Moterra Chainstay Protector BLK</td>
</tr>
<tr>
<td>E</td>
<td>CK3297U000S</td>
<td>Moterra Crb Link, w/brgs</td>
</tr>
<tr>
<td>F</td>
<td>CK2047U000S</td>
<td>Moterra Sprocket and Lockring</td>
</tr>
<tr>
<td>P</td>
<td>K83037</td>
<td>Syntace Thru Axle X12 157x12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ID</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>KP173/</td>
<td>Derailleur Hanger TA ST DS 026</td>
</tr>
<tr>
<td>H</td>
<td>KP312/</td>
<td>Open Oval Grommet (QTY=10)</td>
</tr>
<tr>
<td>I</td>
<td>KP169/</td>
<td>Tool Jekyll Pivot</td>
</tr>
<tr>
<td>J</td>
<td>KP175/X</td>
<td>Brake Adapter Post Mount 160mm</td>
</tr>
<tr>
<td>J</td>
<td>KP176/X</td>
<td>Brake Adapter Post Mount 180mm</td>
</tr>
<tr>
<td>J</td>
<td>KP177/X</td>
<td>Brake Adapter Post Mount 185mm</td>
</tr>
</tbody>
</table>

### HEAD TUBE
- Cannondale SI

### BOTTOM BRACKET
- BOSCH

### REAR TRAVEL
- 130 mm
- 160 mm

### SAG 30%
- 36 mm

### EYE-TO-EYE/STROKE:
- 200 x 51 mm
- 216 x 63 mm

### REAR BRAKE
- Post Mount/Adapter 180/185/203mm

### ISCG
- Cannondale Chain Guide item “E”

### REAR DROPOUT
- 157 x 12 mm

### FRONT DERAILLEUR
- 53 Direct Mount

### SEAT POST DIA./BINDER
- 31.6 / 34.9mm

### MIN. SEAT POST INSERT
- 100mm

### TIRE (SIZE/MAXIMUM WIDTH*)
- 27.5 x 2.8
- 27.5 x 2.4

### MAX. FORK LENGTH
- 541mm
- 556mm

### MAX. WEIGHT LIMIT (Lbs/Kg)
- 330 lbs/150kg

### INTENDED USE
- ASTM CONDITION 4, All Mountain

To calculate maximum load of your e-bike, please deduct bike weight from total Maximum Bike Weight (330 lbs/150kg). To find the bike weight, please see CE Sticker on you bike or contact your local Cannondale Dealer.
KP388/
34.9 mm

A

5 N·m

B

8 N·m

C

25 N·m

Crank Bolts:
40 N·m

I

4 N·m

J

25 N·m

K

30 N·m

L

18 N·m

M

9 N·m

ID Part Number Description
J KP178/X Brake Adapter Post Mount 203mm
K CK2017U10OS Moterra Chainguide BLK
L CK3017U10OS Moterra Skid Plate BLK
M CK3077U00OS Moterra Plug/Grommet
N CK3277U000S Moterra Bat Strap

ID Part Number Description
-- KP205/ Headset Integrated Headshok To Taper
B K36027 Moterra Pivot CS SS Bearings
-- K34667 Moterra DT Protector
MAINTENANCE

The following table lists only supplemental maintenance items. Please consult your Cannondale Bicycle Owner’s Manual for more information on basic bike maintenance. Consult with your Cannondale Dealer to create a complete maintenance program for your riding style, components, and conditions of use. Follow the maintenance recommendations given by the component manufacturer’s for the various non-Cannondale parts of your bike.

CHECK THE FOLLOWING BEFORE EACH RIDE:

- Make sure the battery is fully charged and locked securely in position on the bicycle.
- Check tire pressure and wheel condition.
- Check the drive chain condition. Make sure it is clean and well-lubricated. Chain wear is greater compared with pedal only bikes. This requires frequent inspection and replacement.
- Check the bicycle brakes, make sure they are working well. Brake system pad and disc wear is greater compared with pedal only bikes. This requires frequent inspection and replacement.
- Inspect condition of electrical cables (i.e. Kinks free, no signs of abrasive wear)
- Test the drive assist system, make sure the drive system functions normally.
- If your eBike model was equipped a lighting system, brake lights, headlights, and number plate illumination, make sure these lights are each functioning normally. Make sure the number plate is clean and readable.

IF YOU FIND ANY DAMAGE, DO NOT RIDE THE BIKE, CONTACT YOUR CANNONDALE DEALER.

TO BE PERFORMED BY CANNONDALE DEALER:

Recommended after the first 150 km, bring your bike to your Cannondale Dealer for an initial check-up. It should include checks of the drive assist system, drive chain condition, proper shifting, accessories, wheels and tire condition, brakes, etc. This visit will help you establish a schedule for repeated visits appropriate for how and where you ride.

Every 1000 km, bring your bike in to your Cannondale Dealer for a regular detailed inspection, adjustment, and replacement of wear items across the entire bike. Electrically powered assist cycle (electric bikes) can wear out wheels, tires, drive chain, brakes, more quickly.

WARNING

ANY PART OF A POORLY MAINTAINED BIKE CAN BREAK OR MALFUNCTION LEADING TO AN ACCIDENT WHERE YOU CAN BE KILLED, SEVERELY INJURED OR PARALYZED.

Please ask your Cannondale Dealer to help you develop a complete maintenance program, a program which includes a list of the parts on your bike for YOU to check regularly. Frequent checks are necessary to identify the problems that can lead to an accident.