



SHUTTLE LT



**PIVOT**  
CYCLES

SHUTTLE LT

# **PIVOT SHUTTLE LT**

## *Original Operational Instructions*

This manual is intended to provide you with the information needed to get you on the trail, walk you through the steps necessary to set up all the components, and become familiar with the Shimano STEPS E-bike System. This document contains some helpful diagrams and reference material to make sure you have everything necessary to maintain your Shuttle LT and enjoy it to the fullest.



# **PIVOT SHUTTLE LT**

## *Benutzerhandbuch*

In diesem Handbuch findest du alle Informationen, die du benötigst, um direkt auf den Trail zu starten. Schrittweise wirst du durch die notwendigen Einstellungen der Komponenten geführt und lernst das Shimano STEPS E-Bike-System kennen. In diesem Dokument findest du einige hilfreiche Diagramme und wichtige Materialien. Diese geben dir das notwendige Wissen, damit du dein Shuttle LT warten und maximal genießen kannst.



<b>TABLE OF CONTENTS</b>		<b>PAGE</b>
<b>1. Quick Start Guide</b>		<b>1</b>
- Suspension/Tire Set-up		1
- Adjusting Saddle Height		1
- Charging the Battery		1
- Powering the System ON and OFF		1
- Assist Switch and Shifter Function		2
- Operating the Cycle Computer		2
- Screen Display		2
<b>2. Bike Set-up</b>		<b>3</b>
- Setting Proper Sag		3
- Setting Compression Damping on the Fox Float X		3
- Setting Open Mode Adjust on the Fox Float X		3
- Setting Rebound Damping on the Fox Float X		4
- Setting Air Pressure on the Fox 38 Forks		4
- Setting Compression Damping on the Fox 38 Forks		5
- Setting Rebound Damping on the Fox 38 Forks		5
- Recommended Tire Pressure		5
<b>3. Charging</b>		<b>6</b>
- Charging the Battery		6
- Charger LED Lamp		6
- USB-C Charging on the Shuttle LT		6
- Battery Removal and Installation		7
<b>4. Shimano STEPS System</b>		<b>8</b>
- Connecting to E-Tube Project App		8
- Main Menu for E-Tube Project		8
- Customize Menu in E-Tube Project		8
- Assist Profiles in E-Tube Project		9
- Update Firmware Menu in E-Tube Project		9
- Maintenance Menu in E-Tube Project		9
<b>5. Troubleshooting</b>		<b>10</b>
- Cycle Computer Warning Codes		10
- Cycle Computer Error Codes		11
<b>6. Schematics</b>		<b>12</b>
- Shimano STEPS Schematic		12
- Small Parts Schematic		13
- Small Parts Table		14
- Wiring Diagrams		15
<b>7. Additional Information</b>		<b>16</b>
- Shimano STEPS System		16
- Pivot Shuttle LT		16
- Bicycle Safety		16
- Battery Safety		16
- Sources		18

<b>TABLE OF CONTENTS</b>		<b>PAGE</b>
<b>1. Quick Start Guide</b>		<b>1</b>
- Suspension/Tire Set-up		1
- Adjusting Saddle Height		1
- Charging the Battery		1
- Powering the System ON and OFF		1
- Assist Switch and Shifter Function		2
- Operating the Cycle Computer		2
- Screen Display		2
<b>2. Bike Set-up</b>		<b>3</b>
- Setting Proper Sag		3
- Setting Compression Damping on the Fox Float X		3
- Setting Open Mode Adjust on the Fox Float X		3
- Setting Rebound Damping on the Fox Float X		4
- Setting Air Pressure on the Fox 38 Forks		4
- Setting Compression Damping on the Fox 38 Forks		5
- Setting Rebound Damping on the Fox 38 Forks		5
- Recommended Tire Pressure		5
<b>3. Charging</b>		<b>6</b>
- Charging the Battery		6
- Charger LED Lamp		6
- USB-C Charging on the Shuttle LT		6
- Battery Removal and Installation		7
<b>4. Shimano STEPS System</b>		<b>8</b>
- Connecting to E-Tube Project App		8
- Main Menu for E-Tube Project		8
- Customize Menu in E-Tube Project		8
- Assist Profiles in E-Tube Project		9
- Update Firmware Menu in E-Tube Project		9
- Maintenance Menu in E-Tube Project		9
<b>5. Troubleshooting</b>		<b>10</b>
- Cycle Computer Warning Codes		10
- Cycle Computer Error Codes		11
<b>6. Schematics</b>		<b>12</b>
- Shimano STEPS Schematic		12
- Small Parts Schematic		13
- Small Parts Table		14
- Wiring Diagrams		15
<b>7. Additional Information</b>		<b>16</b>
- Shimano STEPS System		16
- Pivot Shuttle LT		16
- Bicycle Safety		16
- Battery Safety		16
- Sources		18



This "Quick Start Guide" provides the essential information to set up your bike.

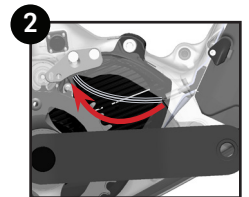
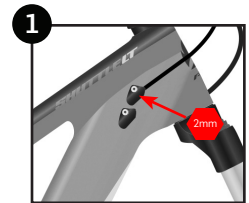
## Suspension/Tire Set-up

COMPONENT		QUICK START SETTING
Shock Air Pressure (by Body Weight) <i>*Always Check Sag</i>	Body Weight in [kg] to [bar]	$0.15 \times \text{Body Weight [kg]} + 0.7 \text{ [bar]}$
	Body Weight in [kg] to [psi]	$2.2 \times \text{Body Weight [kg]} + 10 \text{ [psi]}$
	Body Weight in [lbs] to [bar]	$0.07 \times \text{Body Weight [lbs]} + 0.7 \text{ [bar]}$
	Body Weight in [lbs] to [psi]	$\text{Body Weight [lbs]} + 10 \text{ [psi]}$
Shock Compression Damping		<b>8 clicks in from OPEN*</b>
Shock Rebound Damping		6 clicks in from OPEN
Fork Air Pressure		80 [psi] / 5.52 [bar]
Fork Compression Damping		<b>HSC: 2 clicks in from OPEN*</b> ; LSC: 5 clicks in from OPEN
Fork Rebound Damping		<b>HSR: 3 clicks in from OPEN*</b> ; LSR: 7 clicks in from OPEN
Front Tire Pressure		23 [psi] / 1.58 [bar]
Rear Tire Pressure		28 [psi] / 1.93 [bar]
<b>* These Adjustments are not available on all builds.</b>		

## Adjusting Saddle Height

1. Use a 2mm hex wrench, loosen the drive side cable port cap securing the dropper post housing. (fig. 1)
2. Using a 4mm hex wrench, loosen the seat post clamp bolt and raise/lower the saddle to the preferred height.
3. Using a 4mm hex wrench, tighten the seat post clamp bolt to 5 Nm.
4. Tighten the cable port cap screw with a 2mm hex wrench to secure the dropper post housing.

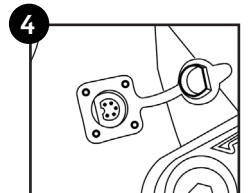
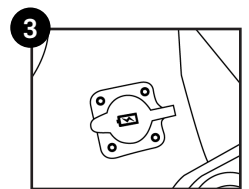
NOTE: If making a large adjustment to saddle height you may need to help feed the housing up past the drive unit into the seat tube. (fig. 2)



## Charging the Battery

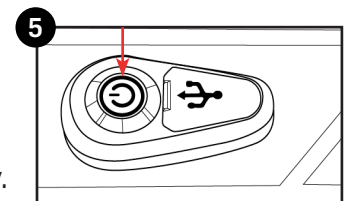
NOTE: The battery does not come fully charged and must be charged completely before the first use.

1. Locate the rubber charging port on the non-drive side of the seat tube. (fig.3) Pull back the sealing cover to access the charging terminal.
2. Locate the alignment pin in the charger. Insert the charging cable into the charging terminal, ensuring the cable and terminal are properly aligned. (fig. 4)
3. The display will illuminate briefly when the charger is properly connected. The charger LED lamp will glow red while charging, and glow green when charging is complete.
4. When done charging, remove the cable from the terminal and close the sealing cover.



## Powering the System ON and OFF

- The power button is located on the top of the top tube. (fig. 5)
- Power the system on by pressing on the power symbol.
- Power cannot be turned on while the battery is charging.
- If the bike has not moved for 10 minutes, the power will shut off automatically.



In dieser Kurzanleitung findest du essenzielle Informationen, um dein Bike einzustellen.

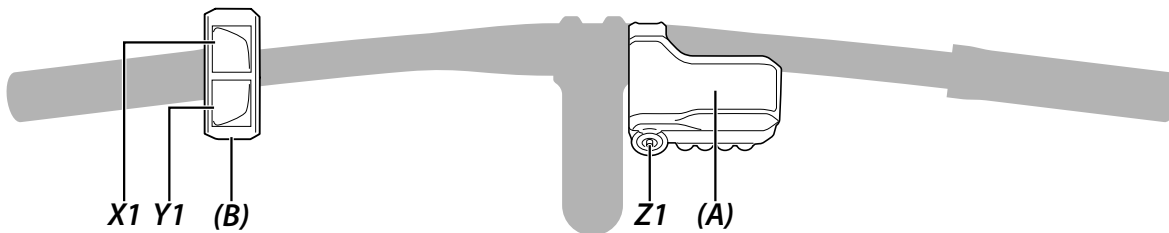
### **Fahrwerks- und Reifendruck-Einstellung**

<b>KOMPONENTE</b>		<b>SCHNELLSTART-EINSTELLUNG</b>
Dämpfer-Luftdruck (nach Körpergewicht)	Körpergewicht [kg] in [bar]	$0.15 \times \text{Körpergewicht [kg]} + 0.7 \text{ [bar]}$
	Körpergewicht [kg] in [psi]	$2.2 \times \text{Körpergewicht [kg]} + 10 \text{ [psi]}$
	Körpergewicht [lbs] in [bar]	$0.07 \times \text{Körpergewicht [lbs]} + 0.7 \text{ [bar]}$
	Körpergewicht [lbs] in [psi]	$\text{Körpergewicht [lbs]} + 10 \text{ [psi]}$
Dämpfer Druckstufen-Dämpfung		<b>8 Klicks im Uhrzeigersinn, von "OPEN"*</b>
Dämpfer Zugstufen-Dämpfung		6 Klicks im Uhrzeigersinn, von "OPEN"
Federgabel-Luftdruck		80 [psi] / 5.52 [bar]
Federgabel Druckstufen-Dämpfung		<b>HSC: 2 Klicks von "OPEN"*; LSC: 5 Klicks von "OPEN"</b>
Federgabel Zugstufen-Dämpfung		<b>HSR: 3 Klicks von "OPEN"*; LSR: 7 Klicks von "OPEN"</b>
Vorderrad Reifen-Luftdruck		23 [psi] / 1.58 [bar]
Hinterrad Reifen-Luftdruck		28 [psi] / 1.93 [bar]



## Assist Switch and Shifter Function

- On start-up, the assist mode will be off. There are three levels of assistance: Eco, Trail, and Boost.
- The switch on the left side of the handle bar controls the level of assistance provided by the system.
- Walk Mode: This provides limited power to help move the bike while walking.
  - Press Y1 until the Assist mode is off, then press and hold Y1 to initiate Walk Mode.



CYCLE COMPUTER (A)	
<b>Z1</b>	Cycles through display modes (Current Speed is default and will return after 60 seconds) <i>(Display Modes: Distance, Odometer, Range, Travel Time, Avg. Speed, Max. Speed, Cadence, Watts, Calories, Clock)</i>

ASSIST SWITCH (B)	
<b>X1</b>	Increase the level of assistance (Eco, Trail, and Boost)
<b>Y1</b>	Decrease the level of assistance (Press and hold for WALK mode)

## Operating the Cycle Computer

- The following settings can be adjusted through the cycle computer:

MENU	
<b>Clear</b>	Clear Odometer
<b>Clock</b>	Set current time
<b>Brightness</b>	Adjust Display Brightness (1-5)
<b>Beep</b>	Toggle Display Sound
<b>Unit</b>	Choose Units (km/miles)
<b>Language</b>	Choose Display Language
<b>Assist Customize</b>	Choose Assist Profile (1 or 2)
<b>Display Speed</b>	Adjust Display speed
<b>Exit</b>	Exit the Menu

- Follow the below procedure to adjust the settings in the Menu:
  1. Press and hold Z1 on cycle computer to enter the settings menu.
  2. Using X1 or Y1 scroll to setting to be adjusted. Press Z1 to enter settings options.
  3. Using X1 or Y1 select desired setting adjustment.
  4. Press Z1 to confirm adjustment. This will return to the menu screen.
  5. Using X1 or Y1 scroll to "Exit". Press Z1 to return to the main display.

## Screen Display

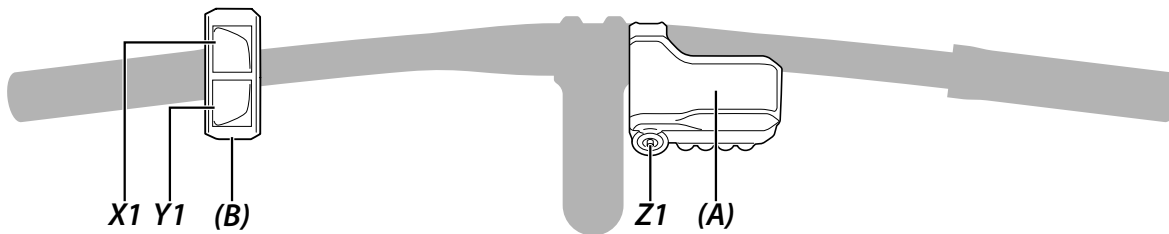


#	DISPLAY ITEM
<b>1</b>	Battery level indicator
<b>2</b>	Assist Gauge
<b>3</b>	Assist Mode Display*
<b>4</b>	Current Speed / Display Mode

\*[ECO] mode automatically activates as remaining battery capacity declines

## Funktion der Unterstützungs-Fernbedienung und des Schalthebels

- Nach dem Einschalten des Systems ist die Motorunterstützung ausgeschaltet. Es gibt drei Unterstützungsstufen: Eco, Trail und Boost.
- Die Fernbedienung auf der linken Seite des Lenkers kontrolliert den Grad der Motorunterstützung.
- Schiebeassistent: Dieser Modus bietet eingeschränkte Unterstützung, um beim Schieben des Bikes zu helfen.
  - Drücke und halte Y1, bis der Unterstützungsmodus ausgeschaltet ist. Dann drücke und halte Y1, um den Schiebeassistenten zu aktivieren.



KNOPF		FAHRRAD-COMPUTER (A)
<b>Z1</b>		Schaltet durch verschiedene Display-Anzeigen (Aktuelle Geschwindigkeit ist Standard-Einstellung und wird nach 60 Sekunden wieder angezeigt.) <i>(Display Anzeigen: Distanz, Kilometerzähler, Reichweite, Fahrzeit, Durchschnittsgeschwindigkeit, Maximalgeschwindigkeit, Kadenz, Watt-Leistung, verbrannte Kalorien, Uhr)</i>
KNOPF		UNTERSTÜTZUNGS-FERNBEDIENUNG (B)
<b>X1</b>		Erhöhe die Unterstützungsstufe (Eco, Trail, and Boost)
<b>Y1</b>		Reduziere die Unterstützungsstufe (Drücke und halte für Schiebeassistent)

## Bedienung des Fahrrad-Computers

- Folgende Einstellungen können am Fahrrad-Computer verändert werden:

- Im Folgenden findest du eine Anleitung, um die Einstellungen im Menü anzupassen:
  1. Drücke und halte Z1 am Fahrrad-Computer, um ins Hauptmenü zu gelangen.
  2. Mit X1/Y1 kannst du durch das Menü Navigieren. Drücke Z1 um in das Untermenü zu gelangen.
  3. Wähle mit X1/Y1 die gewünschten Einstellungen.
  4. Drücke Z1, um diese Einstellung zu bestätigen. Dadurch gelangst du zurück ins Hauptmenü.
  5. Navigiere mit X1/Y1 zum Punkt „Exit“. Drücke Z1, um das Menü zu beenden.

MENÜ	
<b>Clear</b>	Setze den Kilometerzähler zurück
<b>Clock</b>	Stelle die aktuelle Zeit ein
<b>Brightness</b>	Justiere die Helligkeit des Displays (1-5)
<b>Beep</b>	Passe den Tasten-Ton an
<b>Unit</b>	Wähle die Einheit (km/miles)
<b>Language</b>	Wähle die angezeigte Sprache
<b>Assist Custom-ize</b>	Wähle das Unterstützungs-Profil (1 oder 2)
<b>Display Speed</b>	Justiere die Display-Geschwindigkeit
<b>Exit</b>	Beende das Menü

## Display-Anzeige

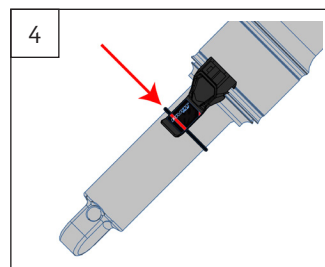
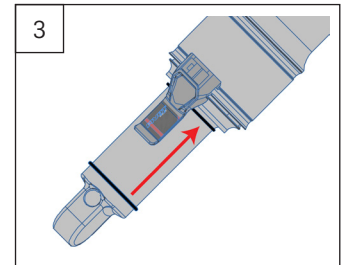
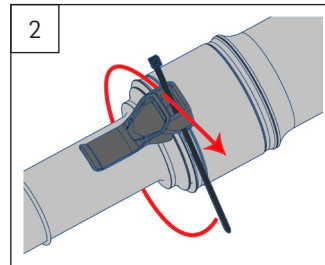
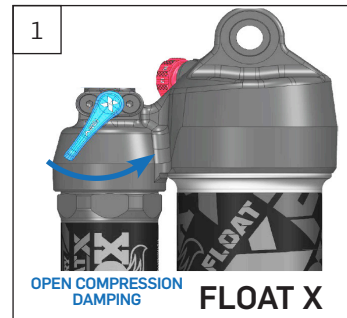


#	DISPLAY ELEMENTE
<b>1</b>	Batterieanzeige
<b>2</b>	Unterstützung
<b>3</b>	Unterstützungsstufe*
<b>4</b>	Aktuelle Geschwindigkeit / Display-Anzeige

\*[ECO] Modus wird automatisch aktiviert, wenn Akku-Ladezustand zu gering ist.

## Setting Proper Sag

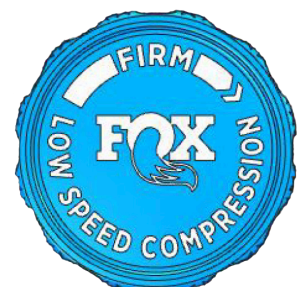
1. Always set sag with the *blue* compression lever to the open position. (fig. 1)
2. If your shock has additional compression and rebound adjustments ensure they are adjusted to be fully open, compression to the softest setting, and rebound to its fastest setting. Do this by rotating them fully counter-clockwise.
3. If it is not installed already, attach the sag indicator to the bottom of the shock body using the provided zip-tie and carefully cut the excess.(fig. 2)
4. Find a level surface and something to steady yourself while mounted on the bike so you can be on the pedals in a seated position. It may be easier to have a partner hold your bike steady from the front, by holding the handlebars while you are in your riding position.
5. While standing on the pedals, sit down hard into the saddle to cycle the suspension well into the stroke. This will ensure the bike comes to rest at the natural sag setting with the rider in the saddle.
6. While in the saddle and not moving, slide the O-ring up into position against the air can. (fig. 3)
7. Once the O-ring is set in place, slowly step off the bike so as not to move the O-ring.
8. Make adjustments to the sag by removing or adding air so that steps 4-7 result in the O-ring lining up with the *red* line on the sag indicator. (fig. 4) When adjusting air pressure in the shock, cycle the shock before re-checking sag, so the large Evol negative air chamber equalizes pressure with the main chamber each time air is added or removed. You can do this by pushing down on the saddle several times to compress the shock past the sag point.



**WARNING:** Make sure the sag indicator does not contact the frame or linkage through the suspension cycle. Otherwise, the indicator may break while riding.

## Setting Compression Damping on the Fox Float X

- Some Factory Series Float X features a *blue* low speed compression adjustment knob, which can be used to fine tune the open mode of the compression damping. This knob offers 10 additional fine tune adjustment settings to the open mode.
- Turning the knob clockwise will increase low speed compression damping. Turning the knob counter-clockwise will decrease low speed compression damping. You can experiment with all of these options to find the setting that provides the best compression support and plushest feel for your weight and riding style.
- For a rider close to 100lbs. we recommend having the compression fully open, by having the knob turned fully counter-clockwise. For riders 200lbs we like to start at 3 clicks in from full closed as a good baseline setting. If the rider's weight is less than 200lbs, open up compression damping 1 click counter-clockwise for every 10lbs. less. For every 10lbs over 200lbs we recommend increasing compression damping by 1 click clockwise.



LOW SPEED COMPRESSION KNOB



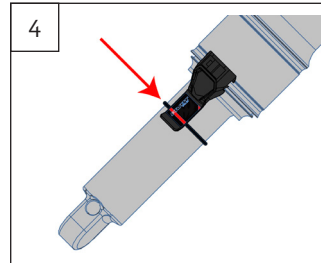
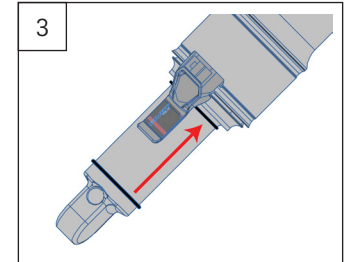
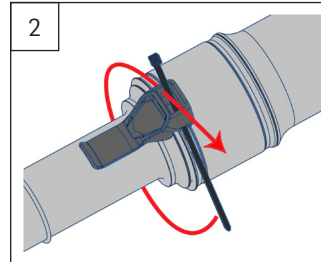
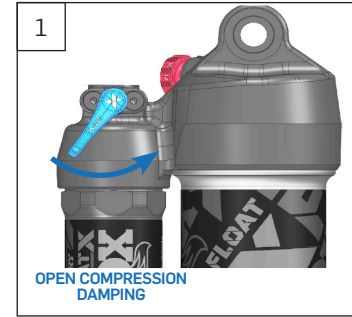
2 POSITION LEVER

## Using the Climb Switch on the Fox Float X

- Some Float X shocks feature a two position lever allows for on-the-fly adjustment between fully open and firm for climbing. As with other shocks, the firm setting is best suited for long fire road climbs and smooth XC courses.

## Sag an Fox-Float-DPS-, Float-DPX2- & Float-X-Luft-Dämpfern einstellen

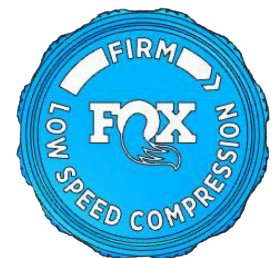
1. Vor der Sag-Einstellung solltest du alle Hebel und Einstellknöpfe in die schnellste (Rebound) bzw. weichste (Compression) Einstellung bringen. Drehe dazu alles gegen den Uhrzeigersinn. (Bild 1)
2. Wenn der Sag-Indikator nicht bereits montiert ist, befestige ihn mit einem Kabelbinder am Ende des Dämpfer-Körpers. Kürze das abstehende Ende des Kabelbinders vorsichtig. (Bild 2)
3. Suche dir einen ebenen Untergrund und etwas, woran du dich festhalten oder anlehnen kannst, während du auf dem Bike stehst oder sitzt. Einfacher geht das, wenn du eine Person als Hilfe hast, die vor dem Rad steht und den Lenker festhält, um dich zu stabilisieren, während du auf dem Bike stehst oder sitzt.
4. Setze dich aus dem Stand mit Schwung in den Sattel, damit die Federung durch gefedert wird. Dadurch wird sich der Sag mit sitzendem Fahrer einstellen.
5. Bleibe sitzen und bewege dich nicht, schiebe währenddessen aber den O-Ring gegen die Dichtung an der Luftkammer. (Bild 3)
6. Ist der O-Ring in Position, steige vorsichtig vom Bike, sodass der O-Ring nicht verschoben wird.
7. Verändere den Sag durch Hinzufügen oder Ablassen von Luft, damit der O-Ring bei Durchführung von Schritt 4 bis 7 mit der roten Linie am Sag-Indikator Linie hält. (Bild 4) Wenn du den Luftdruck im Dämpfer änderst, federe den Dämpfer durch, bevor du den Sag erneut prüfst, damit zwischen der großen EVOL-Negativ-Luftfeder und der Hauptkammer ein Druckausgleich stattfinden kann. Diesen Schritt musst du bei jeder Druck-Anpassung durchführen. Am einfachsten gelingt das, wenn du den Sattel mehrmals nach unten drückst, um den Dämpfer bis über den Sag-Punkt einzufedern.



**WARNUNG:** Stelle sicher, dass der Sag-Indikator beim Einfeder-Vorgang nicht mit dem Rahmen oder der Umlenkwappe in Kontakt kommt. Er kann sonst während der Fahrt abbrechen.

## Dämpfungs-Einstellung am Fox Float X

Am Float-X-Dämpfer aus der Factory-Baureihe ist ein Low-Speed-Compression-Einstellknopf verbaut. Mit diesem Einstellknopf kann offene Einstellung in 10 Schritten feinjustiert werden. Durch Drehen des Einstellers im Uhrzeigersinn wird die Low-Speed-Compression erhöht. Dreht man gegen den Uhrzeigersinn, wird die Low-Speed-Compression reduziert. Du kannst mit allen Optionen herumexperimentieren und die Einstellung verwenden, die für dich die beste Unterstützung und das satteste Fahrgefühl vereint. Für einen leichteren Fahrer im Bereich von 45 kg empfehlen wir die Compression komplett offen zu fahren. Fahrer mit 90 kg oder mehr empfehlen wir 3 Klicks von der geschlossenen Einstellung als Start-Wert. Ausgehend davon, kann man pro 4,5 kg Mehrgewicht einen Klick Richtung „FIRM“ drehen. Fahrer mit weniger als 90 kg können pro 4,5 kg einen Klick in die Gegenrichtung drehen.



LOW-SPEED-COMPRESSION-EINSTELLKNOPF



2 POSITION-HEBEL

An den Float-X-Dämpfern gibt es einen Hebel mit zwei Einstellungen für eine komplett offene und eine härtere Einstellung für Anstiege. Wie mit anderen Dämpfern auch, ist die geschlossene Einstellung am besten für lange Forststraßen-Anstiege oder glatte XC-Rennstrecken.

## Setting Rebound Damping on the Fox Float X

- Rebound is set from the most open (fully counter-clockwise) position.
- The rebound setting is determined by the air pressure in the shock.
- Refer to the table below for the suggested rebound setting. The number in the chart refers to how many clicks in (clockwise) from the open setting the rebound should be set. Fox sets rebound from the closed position, so that has been provided in the table in parentheses.



FLOAT X REBOUND KNOB

AIR PRESSURE		SUGGESTED REBOUND SETTING FLOAT X
[bar]	[psi]	
< 8.3	<120	<b>1</b> (9)
<b>8.3 - 9.7</b>	<b>120-140</b>	<b>2</b> (8)
<b>9.7 - 11</b>	<b>140-160</b>	<b>3</b> (7)
<b>11 - 12.4</b>	<b>160-180</b>	<b>4</b> (6)
<b>12.4 - 13.8</b>	<b>180-200</b>	<b>5</b> (5)
<b>13.8 - 15.2</b>	<b>200-220</b>	<b>6</b> (4)
<b>15.2 - 16.5</b>	<b>220-240</b>	<b>7</b> (3)
<b>16.5 - 17.9</b>	<b>240-260</b>	<b>8</b> (2)
<b>17.9 - 19.3</b>	<b>260-280</b>	<b>9</b> (1)
<b>19.3 - 20.7</b>	<b>280-300</b>	<b>CLOSED</b>

Clicks from **OPEN** (Clicks from **CLOSED**)

## Setting Air Pressure on the Fox 38 Fork

- Fox recommends setting sag between 15% and 20% of the total fork travel. The Shuttle LT comes with a 170mm fork, so the proper sag measurement is 25.5 - 34.0mm.
- The air pressure in the Fox 38 fork should not exceed 8.3 [bar] (120 [psi]).
- To achieve the proper sag, reference the chart below for an initial starting point.

RIDER WEIGHT		FOX 38 AIR PRESSURE
[kg]	[lbs]	
<b>55 - 59</b>	<b>120 - 130</b>	64 [psi] / 4.4 [bar]
<b>59 - 64</b>	<b>130 - 140</b>	68 [psi] / 4.7 [bar]
<b>64 - 68</b>	<b>140 - 150</b>	72 [psi] / 5.0 [bar]
<b>68 - 73</b>	<b>150 - 160</b>	76 [psi] / 5.2 [bar]
<b>73 - 77</b>	<b>160 - 170</b>	80 [psi] / 5.5 [bar]
<b>77 - 82</b>	<b>170 - 180</b>	84 [psi] / 5.8 [bar]
<b>82 - 86</b>	<b>180 - 190</b>	89 [psi] / 6.1 [bar]
<b>86 - 91</b>	<b>190 - 200</b>	93 [psi] / 6.4 [bar]
<b>91 - 95</b>	<b>200 - 210</b>	97 [psi] / 6.7 [bar]
<b>95 - 100</b>	<b>210 - 220</b>	102 [psi] / 7.0 [bar]
<b>100 - 105</b>	<b>220 - 230</b>	106 [psi] / 7.3 [bar]
<b>105 - 109</b>	<b>230 - 240</b>	110 [psi] / 7.6 [bar]
<b>109 - 114</b>	<b>240 - 250</b>	114 [psi] / 7.9 [bar]



### Rebound-Dämpfung am Fox Shocks

Die Einstellung vom Rebound ist abhängig vom Luftdruck im Dämpfer. Zum Beispiel erfordern höhere Luftdrücke einen langsameren Rebound. Wir stellen die Rebound-Einstellung von der schnellsten Position, also wenn die Dämpfung komplett offen ist ein. Zur Einstellung drehst du also den Einstellknopf im Uhrzeigersinn. Verwende zunächst die Tabelle auf der rechten Seite, um die Rebound-Empfehlung herauszufinden. Die Nummer in der Tabelle gibt an, um wie viele Klicks du den Einstellknopf drehen solltest.


**FLOAT X REBOUND KNOB**

LUFTDRUCK		SUGGESTED REBOUND SETTING (FLOAT X)
[bar]	[psi]	
< 8.3	<120	1 (9)
8.3 - 9.7	120-140	2 (8)
9.7 - 11	140-160	3 (7)
11 - 12.4	160-180	4 (6)
12.4 - 13.8	180-200	5 (5)
13.8 - 15.2	200-220	6 (4)
15.2 - 16.5	220-240	7 (3)
16.5 - 17.9	240-260	8 (2)
17.9 - 19.3	260-280	9 (1)
19.3 - 20.7	280-300	GESCHLOSSEN

Klicks von offen (Klicks von geschlossen)

### Sag an Fox-Float-Luft-Federgabeln einstellen

Ein guter Start-Wert für den Sag ist im Bereich von 15 % bis 20 % des vollständigen Federwegs. Die unten stehende Tabelle enthält Luftdruck-Empfehlungen für die Sag-Einstellung. In unseren eigenen Test-Versuchen haben wir herausgefunden, dass diese Empfehlungen für manche Fahrer\*Innen zu hoch sind und die gesamte Federwegausnutzung beschränken. Eventuell muss hier mit einem geringeren Luftdruck gearbeitet werden, wenn der gesamte Federweg nicht genutzt werden kann. Insgesamt beobachten wir, dass viele 2 bis 3 Stufen bei der Druckempfehlungen nach unten gehen.

FAHRER GEWICHT		FOX 38 LUFTDRUCK
[kg]	[lbs]	
55 - 59	120 - 130	64 [psi] / 4.4 [bar]
59 - 64	130 - 140	68 [psi] / 4.7 [bar]
64 - 68	140 - 150	72 [psi] / 5.0 [bar]
68 - 73	150 - 160	76 [psi] / 5.2 [bar]
73 - 77	160 - 170	80 [psi] / 5.5 [bar]
77 - 82	170 - 180	84 [psi] / 5.8 [bar]
82 - 86	180 - 190	89 [psi] / 6.1 [bar]
86 - 91	190 - 200	93 [psi] / 6.4 [bar]
91 - 95	200 - 210	97 [psi] / 6.7 [bar]
95 - 100	210 - 220	102 [psi] / 7.0 [bar]
100 - 105	220 - 230	106 [psi] / 7.3 [bar]
105 - 109	230 - 240	110 [psi] / 7.6 [bar]
109 - 114	240 - 250	114 [psi] / 7.9 [bar]

## Setting Compression Damping on the Fox 38 Grip 2 Fork

- To set compression, start from the open (or fastest) position by turning the *black* (LSC) dial & *blue* (HSC) dial counterclockwise until they stop clicking.
- A good starting point for most riders is to turn the *black* (LSC) dial clockwise 5 clicks & turn the *blue* (HSC) dial clockwise 2 clicks.
- The recommended starting points may need to be adjusted based on rider weight. Lighter riders may prefer less compression damping (fewer clicks from open).



GRIP2 Compression Knob

## Setting Compression Damping on the Fox 38 Grip Fork

- We always start with the lever in the full open position. Most riders will not need to make any changes from this position.
- If you do need more compression support, the lever will provide a low speed compression adjustment until the lever is turned halfway.
- The second half of the lever adjustment affects the high speed compression circuit. Of course, fully closed provides a nearly locked out feel for climbing.

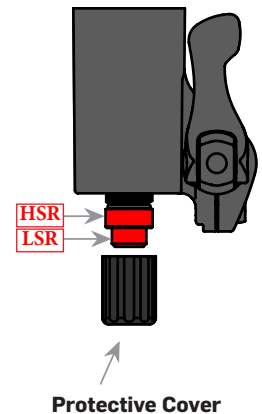


GRIP Compression Knob

## Setting Rebound Damping on the Fox Fork 38

- Remove the protective cover over the rebound knobs on the lower fork leg.
- To set rebound, start from the open (or fastest) position by turning the *red* rebound dial(s) on the bottom of the right fork leg counterclockwise until it stops clicking. On the Fox 38 Grip 2 there are two dials. One for high speed and one for low speed.
- Refer to the chart below for the recommended settings when setting rebound. Fox clicks are in parentheses.

RIDER WEIGHT	FOX 38 SUGGESTED REBOUND	
	LSR / HSR	*HSR not available on all builds
120-130 [lbs]	3 / Open	(12 / 10)
130-140 [lbs]	4 / Open	(11 / 10)
140-150 [lbs]	5 / 1	(10 / 9)
150-160 [lbs]	6 / 2	(9 / 8)
160-170 [lbs]	7 / 3	(8 / 7)
170-180 [lbs]	8 / 4	(7 / 6)
180-190 [lbs]	8 / 4	(7 / 6)
190-200 [lbs]	9 / 5	(6 / 5)
200-210 [lbs]	9 / 5	(6 / 5)
210-220 [lbs]	10 / 6	(5 / 4)
220-230 [lbs]	11 / 7	(4 / 3)
230-240 [lbs]	11 / 7	(4 / 3)
240-250 [lbs]	12 / 8	(3 / 2)



Clicks from OPEN (Clicks from CLOSED)

## Recommended Tire Pressure

- Tire pressure is an important factor on having the bike ride properly. If the tire pressure is too high, the tire will not conform to ground, reducing traction. If the tire pressure is too low, the tire could pinch flat.
- It is important to have an accurate pressure gauge when setting tire pressure; preferably a digital gauge with a 0.03 [bar] (0.5 [psi]) accuracy.
- The recommended tire pressure will vary slightly based on rider weight, riding style, and terrain.
- Some riders may find it helpful to start a ride at a slightly higher pressure than recommended and let out a little air throughout the course of the ride until you find your ideal riding tire pressure.

RECOMMENDED TIRE PRESSURE	
FRONT	REAR
1.58 [bar] / 23 [psi]	1.93 [bar] / 28 [psi]

## Dämpfungs-Einstellung an Fox-Float-38-Federgabeln mit GRIP2-Dämpfung

An der GRIP-2-Kartusche gibt es zudem Low-Speed-Compression- und High-Speed-Compression-Einstellungsmöglichkeiten. Diese sind auf der Antriebsseitigen Oberseite der Gabel angebracht. Der äußere, *blaue* Ring wird für die Einstellung der High-Speed-Compression genutzt, der innere, *schwarze* Einstellknopf für die Low-Speed-Compression. Als Start-Wert drehst du aus der offenen Stellung den *blauen* Einsteller 2 Klicks und den *schwarzen* Einsteller 5 Klicks im Uhrzeigersinn.

## Dämpfungs-Einstellung an Fox-Float-Federgabeln mit GRIP-Dämpfung

Wir empfehlen mit dem Hebel in komplett offener Stellung zu starten. Diese Einstellung sollte für die meisten schon ausreichen, viele ändern daran nichts. Wünscht man sich mehr Unterstützung von der Federgabel, erhöht der Hebel die Low-Speed-Compression, wenn man ihn bis etwa zu Hälfte dreht. Die zweite Hälfte nimmt hingegen Einfluss auf die High-Speed-Compression. Natürlich ermöglicht die komplett geschlossene Position eine fast gänzlich geschlossene Gabel für Anstiege.

Diese Einstellung kannst du über den *roten* Einstellknopf am Antriebs-seitigen, unteren Ende der Federgabel vornehmen. Verwende zunächst die Tabelle auf der rechten Seite, um die Rebound-Empfehlung herauszufinden. Die Nummer in der Tabelle gibt an, um wie viele Klicks du den Einstellknopf drehen solltest



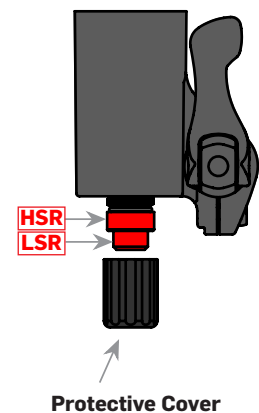
GRIP2-Compression-Einstellrad



GRIP-Compression-Einstellhebel

FAHRER GEWICHT	FOX 38 SUGGESTED REBOUND	
	LSR / HSR	
120-130 [lbs]	3 / Open	(12 / 10)
130-140 [lbs]	4 / Open	(11 / 10)
140-150 [lbs]	5 / 1	(10 / 9)
150-160 [lbs]	6 / 2	(9 / 8)
160-170 [lbs]	7 / 3	(8 / 7)
170-180 [lbs]	8 / 4	(7 / 6)
180-190 [lbs]	8 / 4	(7 / 6)
190-200 [lbs]	9 / 5	(6 / 5)
200-210 [lbs]	9 / 5	(6 / 5)
210-220 [lbs]	10 / 6	(5 / 4)
220-230 [lbs]	11 / 7	(4 / 3)
230-240 [lbs]	11 / 7	(4 / 3)
240-250 [lbs]	12 / 8	(3 / 2)

Klicks von offen (Klicks von geschlossen)



## Empfohlener Reifendruck

- Ein gut eingestellter Reifendruck hat einen großen Einfluss darauf, dass sich das Bike gut fährt. Ist der Druck zu hoch, kann sich der Reifen nicht an das Gelände anpassen, die Traktion nimmt ab. Ist der Druck zu niedrig, läuft man Gefahr einen Reifendefekt oder Platten zu bekommen.
- Wichtig ist, einen genauen Reifendruck-Prüfer zu verwenden, wenn man den Druck einstellt. Am besten eignet sich ein Druck-Prüfer mit Digital-Anzeige und 0,3 bar (0,5 psi) maximaler Abweichung.
- Die Empfehlung des Reifendrucks ist vom Fahrergewicht, dem Fahrstil und dem befahrenen Gelände abhängig.
- Manche Fahrer werden es hilfreich finden, mit einem etwas höheren Reifendruck zu beginnen und unterwegs Luft abzulassen, bis man den idealen Druck gefunden hat.

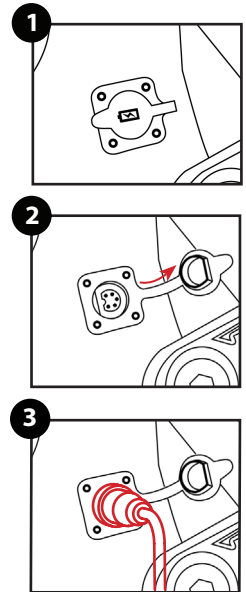
EMPFOHLENER REIFEN-LUFTDRUCK	
VORDERRAD	HINTERRAD
1.58 [bar] / 23 [psi]	1.93 [bar] / 28 [psi]



## Charging the Battery on the Bike

**NOTE:** The battery does not come fully charged and must be charged completely before the first use.

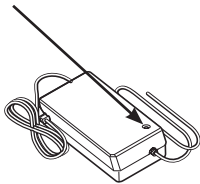
1. Locate the rubber charging port on the non-drive side of the seat tube. (fig. 1)
2. Pull back the sealing cover to access the charging terminal. (fig. 2)
3. Locate the alignment pin in the charger. Insert the charging cable into the charging terminal, ensuring the cable and terminal are properly aligned. (fig. 3)
4. The display will illuminate briefly when the charger is properly connected. The charger LED lamp will glow red while charging, and glow green when charging is complete.
5. When done charging, remove the cable from the terminal and close the sealing cover.



## Charger LED Lamp

- After charging has started, the LED lamp on the charger lights up.

### Charger LED Lamp

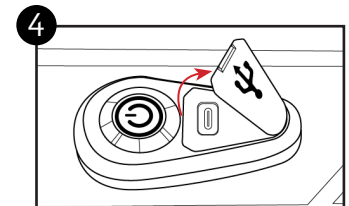


LED INDICATOR	DESCRIPTION
Lit Up (GREEN)	Battery Charging Complete
Lit Up (RED)	Battery Charging
Flashing (ORANGE)*	Charging Failure

\* Remove AC Power and plug-in again. If symptoms still occur take your bike and charger to a authorized dealer.

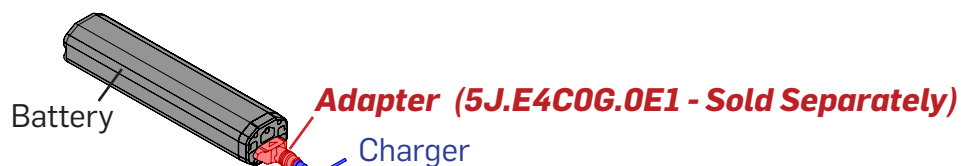
## USB-C Charging on the Shuttle LT

- The power button also houses a USB-C port for accessory charging.
- Lift up on the USB cover to access the charging port. (fig. 4)
- When not using the charging port replace the cover.



## Charging the Battery off the Bike

1. Remove the battery from the bike. Instructions for this procedure can be found below.
2. Look for the alignment pin in the charger and insert the charging cable into the charging adapter, ensuring the cable and adapter are properly aligned.
3. Secure the cable to the adapter.
4. Orient the adapter terminals with the terminal block on the battery and plug the adapter into the battery.
5. The charger LED lamp will glow red while charging, and glow green when charging is complete. The current charge level will be displayed on the battery LEDs just above the terminal block on the battery.
6. When done charging, remove the adapter from the battery terminal block.



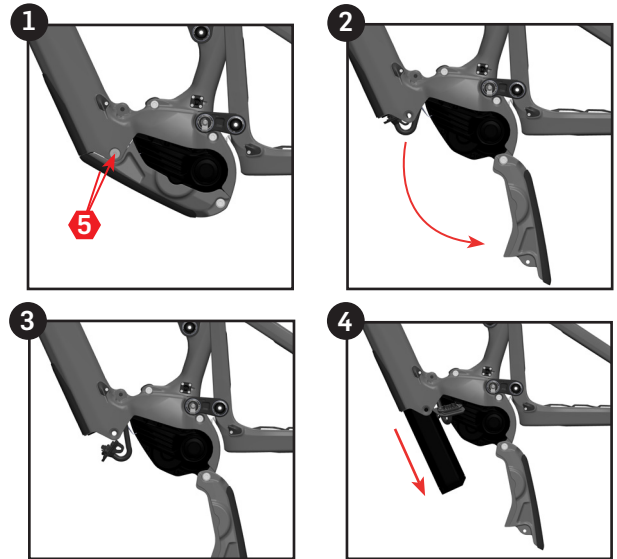


## Removing the Battery

- The battery may need to be removed to swap batteries or to charge the battery if there is no power supply near the bike.

*NOTE: If the bike is sitting level on its wheels the battery will touch the ground before it is removed from the frame. Using a stand to secure the frame and elevate the rear wheel is recommended.*

- Using a M5 hex wrench, remove the front two bolts securing the skid plate to the frame. (fig. 1)
- Rotate the cover toward the rear of the bike. (fig. 2)
- Carefully remove the power cord from the battery. (fig. 3)
- Use both hands to grip the battery and gently guide it down and out of the frame. (fig. 4)
- If you are not using a stand to hold the rear wheel off the ground you may need to tip the bike to the non-drive side or lift it up to remove the battery completely from the frame.

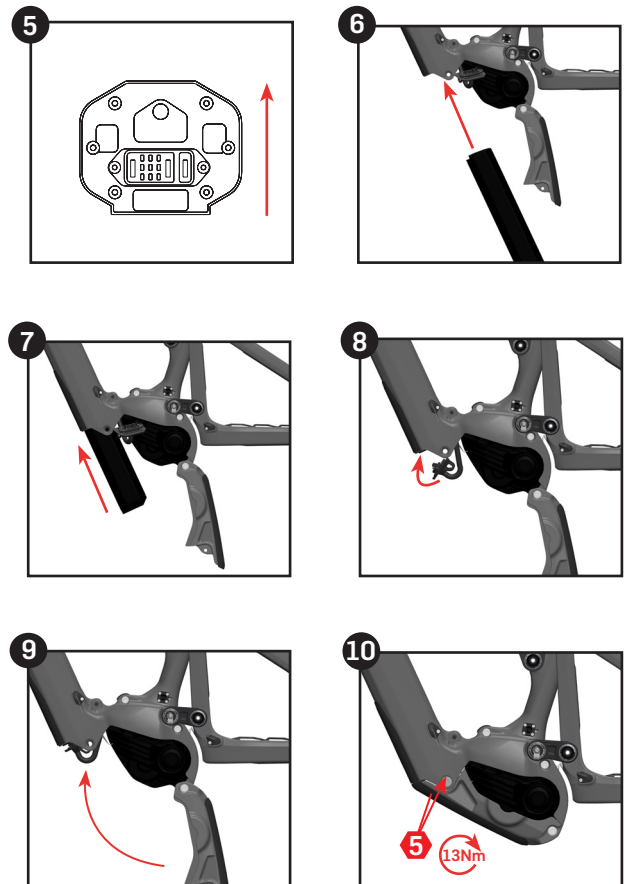


## Installing the Battery

- To install the battery, reverse the removal procedure from above.

*NOTE: Installing the battery can be easier with the bike upside-down or on its side. Using a stand to secure the bike upside-down is recommended.*

- Check the orientation of the battery before installing the battery. (fig. 5)
- Carefully route the battery back into the downtube using both hands. (fig. 6)
- Apply upward pressure on the battery to fully seat the battery into the terminal block (fig. 7)
- Plug the power cord back into the battery. (fig. 8)
- Close the skid plate. (fig. 9)
- Apply Loctite 243 or an equivalent to the thread of the skid plate bolts.
- Re-install the bolts and torque them to 13 Nm. (fig.10)





## Connecting to E-Tube Project App

- The display layout and switch operation can be customized through the Shimano E-Tube Project App.
- The Shimano E-Tube Project can be accessed via the Shimano E-Tube Project app available in the App Store.
- The E-Tube Project app is compatible with both Android and Apple devices.

Connecting via the E-Tube Project app:

1. Before setting up a connection, turn on the Bluetooth connectivity of the smart phone or tablet.
2. Open the E-Tube Project app and then power up the Shuttle LT.
3. Once the bike has been powered on, press the large plus sign (+) on the "Get started" opening screen.
4. A list of nearby devices will be listed on the screen. Choose your bike.
5. When the connection is successful, a list of "confirmed units" will appear. These are all the devices connected to the Shuttle LT. The units listed should include: the battery, drive unit, cyclecomputer, & assist switch.
6. If all the connected units appear, press "OK" to confirm that all devices are shown.
7. To disconnect, press the "Disconnect" button at the bottom of the screen.

## Main Menu for E-Tube Project

- The main menu to the E-Tube Project has three main menus that are relevant for the consumer to know how to navigate and operate: Update, Customize, & Maintenance. These are listed at the top of the app.
- The app will open to the "Customize" menu. The other functions can be accessed by swiping left or right.

## Customize Menu in E-Tube Project

- The Customize menu lists the components available for customization: Assist, Drive Unit, Assist Switch, & Cyclecomputer
- The tables below show the available options within the Customize menu.

E-BIKE		DESCRIPTION
<b>Assist*</b>	Assist Character	Adjust Assist Character for each Assist Level (Eco, Trail, Boost)
	Max. Torque	Adjust Maximum Torque for each Assist Level (Eco, Trail, Boost)
	Assist Start	Adjust how quickly assistance is provided for each Assist Level (Eco, Trail, Boost)
<b>Drive Unit</b>	Max. Assist Speed	Adjust Max Assist Speed (Max. 20 mph) & Speed correction percentage
	Display Speed	Allows adjustment of display speed to match speed shown on third party unit

\*Assist features can be saved into 2 profiles for easy access to preferred settings

SWITCH		DESCRIPTION
<b>Assist Switch*</b>	X1	Customize the functions of the buttons on the assist switch
	Y1	Customize the functions of the buttons on the assist switch

\*X1/Y1 Buttons are the Upper/Lower button on the Assist Switch. See Page 2 for the handlebar diagram.

DISPLAY		DESCRIPTION
<b>Cyclecomputer</b>	Unit	Change display units from International standards to US Customary standards
	Shift	Toggle display modes (Travel Time, Avg. Speed, Max. Speed, Cadence, Time)
	Time (Auto/Man.)	Set the current time (Either manually or automatically)
	Beep	Toggle system sound
	Brightness	Adjust display brightness
	Language	Select display language
	Name	Create a custom name for your bike
	Passkey	Change passkey for accessing the E-Tube app



## Verbinden mit der E-Tube-Projekt-App

- Durch die Shimano E-Tube-Projekt-App können das Display Layout und der Schalter individuell angepasst werden.
- Auf das Shimano E-Tube-Projekt und die zugehörige App kann man über den App Store zugreifen.
- Die E-Tube-Projekt-App ist mit Android- und Apple-Geräten kompatibel

Verbindung durch die E-Tube-Projekt-App:

8. Bevor eine Verbindung hergestellt werden kann, muss die Bluetooth-Funktion am Smartphone oder Tablet aktiviert werden.
9. Öffne die E-Tube-Projekt-App und schalte danach dein Shuttle LT an.
10. Nachdem das Bike angeschaltet wurde, kannst du auf das große Plus-Zeichen (+) auf dem „Get started“ Startbildschirm klicken.
11. Eine Liste der verfügbaren Geräte wird angezeigt. Wähle dein Bike aus.
12. Wenn die Verbindung erfolgreich ist, erscheint eine Liste mit „bestätigten Einheiten“. Das sind sämtliche Geräte, die mit dem Shuttle verbunden sind. In der Liste sollten der Akku, der Motor, der Fahrrad-Computer und die Unterstützungs-Fernbedienung enthalten sein.
13. Erscheinen alle diese Bestandteile, drücke „OK“, um zu bestätigen, dass alle Geräte angezeigt werden.
14. Zum Trennen der Verbindung drücke den „Disconnect“-Knopf am unteren Rand des Bildschirms.

## Hauptmenü des E-Tube-Projekts

- Im Hauptmenü des E-Tube-Projekts befinden sich drei Menüs, die für den Endverbraucher relevant für die Bedienung sind: Update, Customize & Maintenance. Diese werden oben in der App angezeigt.
- Die App wird sich im „Customize“-Menü öffnen. Die anderen Funktionen kannst du durch Wischen nach links oder rechts erreichen.

## „Customize“-Menü im E-Tube-Projekt

- Innerhalb des „Customize“-Menüs werden die Komponenten aufgelistet, die mit individuellen Einstellungen versehen werden können: Unterstützung, Motor, Unterstützungs-Fernbedienung und Fahrrad-Computer.
- In den Tabellen siehst du, welche Möglichkeiten der Anpassung dir geboten werden.

E-BIKE		BESCHREIBUNG
<b>Unterstützung*</b>	Character d. Unterstützung	Adjust Assist Character for each Assist Level (Eco, Trail, Boost)
	Max. Drehmoment	Adjust Maximum Torque for each Assist Level (Eco, Trail, Boost)
	Einsatz d. Unterstützung	Adjust how quickly assistance is provided for each Assist Level (Eco, Trail, Boost)
<b>Motor-Einheit</b>	Max. Unterstützungs-Geschwindigkeit	Adjust Max Assist Speed (Max. 20 mph) & Speed correction percentage
	Display Geschwindigkeit	Allows adjustment of display speed to match speed shown on third party unit

\*Unterstützungs-Einstellungen können in zwei verschiedenen Profilen abgespeichert werden, die einfach zugänglich und umschaltbar sind.

FERNBEDIENUNG		BESCHREIBUNG
<b>Unterstützungs-Fernbedienung*</b>	X1	Customize the functions of the buttons on the assist switch
	Y1	Customize the functions of the buttons on the assist switch

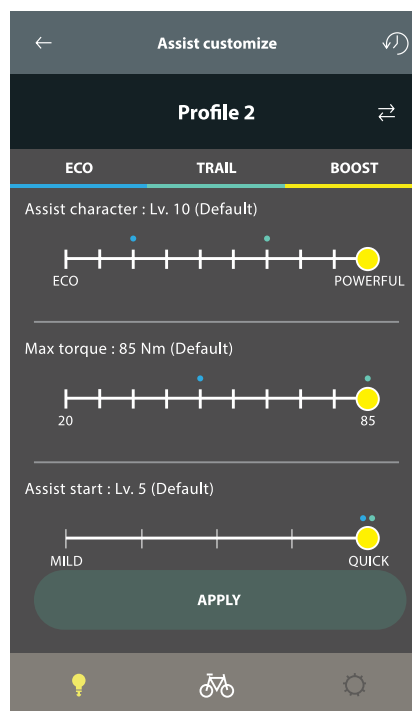
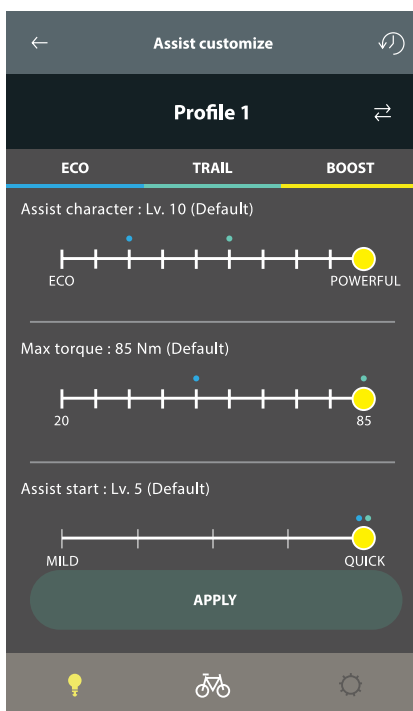
\*X1/Y1-Knöpfe sind der obere und untere Knopf an der Unterstützungs-Fernbedienung. Sh. Bild Seite 2.

DISPLAY		BESCHREIBUNG
<b>Fahrrad-Computer</b>	Einheit	Ändere die im Display gezeigten Einheiten vom Imperialen System auf Metrisch.
	Shift	Toggle display modes (Travel Time, Avg. Speed, Max. Speed, Cadence, Time)
	Zeit (Auto/Man.)	Stelle die aktuelle Zeit ein (entweder manuell oder automatisch)
	Beep	Stelle die Tastentöne ein
	Brightness	Verändere die Helligkeit des Displays
	Sprache	Wähle die im Display gezeigte Sprache aus
	Name	Erstelle einen individuellen Namen für dein Bike
	Passkey	Ändere den Passkey für die E-Tube-App



## Assist Profiles in E-Tube Project

- The E-Tube Project allows saving two profiles with different assist characteristics for different terrain.
- To customize a profile:
  1. Under the "Customize" menu, select "Assist". (The active profile will be displayed on this button.)
  2. At the top of the "Assist customize" screen, the current profile will be displayed. To choose the other profile, tap the profile name (or the double arrows) and it will alternate to the other profile.
  3. To customize the selected profile, choose "Eco", "Trail", or "Boost" to customize each assistance level.
  4. For each assistance level, the Assist Character, Max. Torque, & Assist Start features can be customized within the range defined by the white slider. Move the colored dot (corresponding to the selected assistance level), to the desired value for that feature.
- The Shuttle LT comes with two preloaded profiles:
  1. Pivot Factory Default: Optimized for balance and control
  2. Maximum assistance permitted for all levels



- ← Return to Customize menu
- ↺ Reset to Default settings
- ↔ Switch between profiles
- ECO settings
- TRAIL settings
- BOOST settings
- 💡 Go to "Update" menu
- 🚲 Go to "Customize" menu
- ⚙️ Go to "Maintenance" menu

## Update Firmware Menu in E-Tube Project

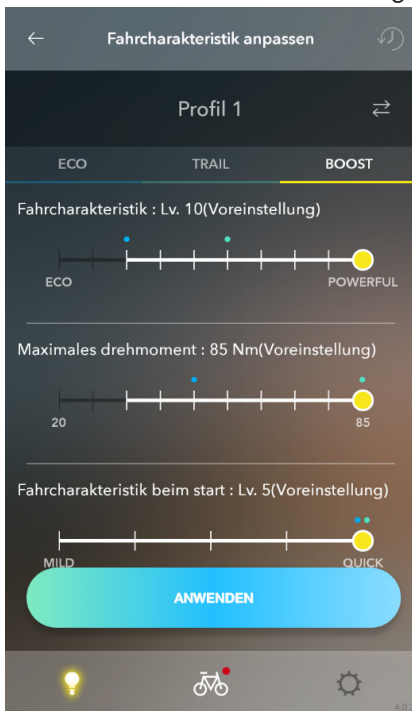
- There is an "Update" menu option listed at the top of the app home screen. To access this feature tap on the word "Update".
- Under the Update menu option, all connected devices are listed, and the app will display if they are running the latest firmware, or if it needs to be updated.
- There is also an "Update All" button. By pressing this button, the software automatically searches for and downloads any update for the system.
- Once the program has completed any updates, each component of the Shimano STEPS E-bike System will be listed with the corresponding version of the latest firmware for that component.

## Maintenance Menu in E-Tube Project

- There is a "Maintenance" menu option listed at the top of the app home screen. To access this feature tap on the word "Maintenance".
- Under the Maintenance menu option, there is an Error log which will track system errors to provide better insight into system performance and catalogue any previous issues.

## Unterstützungs-Profile im E-Tube-Projekt

- Über das E-Tube-Projekt kannst du zwei Profile mit unterschiedlichen Charakteristiken für verschiedenes Gelände abspeichern.
- Um ein Profil zu individualisieren:
  1. Wähle im „Customize“-Menü „Assist“ (Das aktive Profil wird auf dem Button angezeigt.)
  2. Oben in der „Assist customize“-Anzeige wird das aktuelle Profil angezeigt. Um das andere Profil anzuwählen, tippe auf den Profil-Namen (oder den Doppel-Pfeil) und es wird zum anderen Profil gewechselt.
  3. Um das gewählte Profil zu individualisieren, wähle „Eco“, „Trail“ oder „Boost“ um die einzelnen Unterstützungslevel anzupassen.
  4. Jedes Unterstützungslevel kann hinsichtlich Charakter, maximalem Drehmoment und dem Einsetzen der Unterstützung, innerhalb des Sliders angepasst werden. Bewege den farbigen Punkt (dem gewählten Unterstützungslevel entsprechend) zum gewünschten Wert auf dem Slider.
- Das Shuttle wird mit zwei vorinstallierten Profilen geliefert:
  1. Pivot Factory Default: Optimiert für Balance und Kontrolle
  2. Maximale Unterstützung für alle Stufen.



← Zurück zum "Customize"-Menü

↺ Reset auf Werkseinstellung

↔ Wechsel zwischen Profilen

● ECO Einstellungen

● TRAIL Einstellungen

● BOOST Einstellungen

💡 Zum "Update"-Menü

🚲 Zum "Customize"-Menü

⚙️ Zum "Maintenance"-Menü

## Update der Firmware über das E-Tube-Projekt-Menü

- Auf der Oberseite der Anzeige ist eine „Update“ Menü-Option angebracht. Um auf dieses Menü zu kommen, drücke auf das Wort „Update“.
- Hier findest du alle verbundenen Geräte und die App zeigt an, ob diese mit der aktuellsten Firmware laufen oder ein Update benötigen.
- Es gibt außerdem einen „Update All“-Button, mit dem die Software automatisch alle für alle Geräte nach Updates sucht und diese installiert.
- Wenn das Programm alle Updates abgeschlossen hat, wird jede Komponente des Shimano STEPS E-Bike Systems mit der entsprechenden Version der neuesten Firmware in der App erscheinen.

## „Maintenance“-Menü im E-Tube-Projekt

- Auf der Oberseite der Anzeige ist eine „Maintenance“ Menü-Option angebracht. Um auf dieses Menü zu kommen, drücke auf das Wort „Maintenance“.
- Im „Maintenance“-Menü gibt es einen Fehlerspeicher, der Systemfehler dokumentiert, einen besseren Einblick in die Performance des Systems gibt und alle bisherigen Probleme listet.



## Cycle Computer Warning Codes

- Warnings may appear on the cycle computer display if the system detects an issue.
- The warning code will clear once the issue is resolved.
- If any issues persist after the suggestions below, contact the place of purchase.



CODE	ISSUE	OPERATIONAL RESTRICTION	REMEDY
<b>W010</b>	Drive unit operation temperature is higher than normal	Power assistance may be lower than usual	Stop using the assist function until the drive unit temperature drops
<b>W011</b>	Traveling speed cannot be detected	Maximum speed may be lower than usual	Check that the speed sensor is installed correctly
<b>W013</b>	Torque sensor was not initialized properly	Power assistance may be lower than usual	Turn the power off and back on again
<b>W020</b>	Battery operation temperature is higher than normal	No system functions will start	Leave the battery in a cool place until the temperature decreases sufficiently
<b>W032</b>	Shifting unit installed differs from unit configured in system	Unable to perform gear shifting	Update shifting configuration in E-Tube Project app
<b>W10000</b>	Drive unit operation temperature is higher than normal	Power assistance may be lower than usual	Stop using the assist function until the drive unit temperature drops
<b>W10100</b>	Traveling speed cannot be detected	Maximum speed may be lower than usual	Check that the speed sensor is installed correctly
<b>W103</b>	Sensor initialization could not be completed normally	Power assistance may be lower than usual	Turn the cranks in reverse two or three times
<b>W10300</b>	Sensor initialization could not be completed normally	Power assistance may be lower than usual	Turn the cranks in reverse two or three times
<b>W104</b>	Power was turned off due to current leakage detected	Power assistance will not be provided while riding	Remove components from drive unit and turn on to find faulty component
<b>W10400</b>	Power was turned off due to current leakage detected	Power assistance will not be provided while riding	Remove components from drive unit and turn on to find faulty component
<b>W10500</b>	Unexpected power disconnection was detected	There are no restricted assist functions while displayed	Check the power cord for damage. Turn the power off and back on again
<b>W20000</b>	Battery operation temperature is higher than normal	No system functions will start	Leave the battery in a cool place until the temperature decreases sufficiently
<b>W30200</b>	Shifting unit installed differs from unit configured in system	Unable to perform gear shifting	Update shifting configuration in E-Tube Project app

## Fahrrad-Computer-Warmmeldungen

- Wenn das System ein Problem entdeckt, können auf dem Display des Fahrrad-Computers Warnmeldungen erscheinen.
- Die Warnmeldung verschwindet automatisch, wenn das Problem behoben ist.
- Bleiben Probleme auch nach Ausführung der Lösungsvorschlägen bestehen, wende dich an den Verkäufer deines Bikes.



CODE	ISSUE	OPERATIONAL RESTRICTION	REMEDY
<b>W010</b>	Drive unit operation temperature is higher than normal	Power assistance may be lower than usual	Stop using the assist function until the drive unit temperature drops.
<b>W011</b>	Traveling speed cannot be detected	Maximum speed may be lower than usual	Check that the speed sensor is installed correctly.
<b>W013</b>	Torque sensor was not initialized properly	Power assistance may be lower than usual	Turn the power off and back on again.
<b>W020</b>	Battery operation temperature is higher than normal	No system functions will start	Leave the battery in a cool place until the temperature decreases sufficiently.
<b>W032</b>	Shifting unit installed differs from unit configured in system	Unable to perform gear shifting	Update shifting configuration in E-Tube Project app.
<b>W10000</b>	Drive unit operation temperature is higher than normal	Power assistance may be lower than usual	Stop using the assist function until the drive unit temperature drops.
<b>W10100</b>	Traveling speed cannot be detected	Maximum speed may be lower than usual	Check that the speed sensor is installed correctly.
<b>W103</b>	Sensor initialization could not be completed normally	Power assistance may be lower than usual	Turn the cranks in reverse two or three times.
<b>W10300</b>	Sensor initialization could not be completed normally	Power assistance may be lower than usual	Turn the cranks in reverse two or three times.
<b>W104</b>	Power was turned off due to current leakage detected	Power assistance will not be provided while riding	Remove components from drive unit and turn on to find faulty component.
<b>W10400</b>	Power was turned off due to current leakage detected	Power assistance will not be provided while riding	Remove components from drive unit and turn on to find faulty component.
<b>W10500</b>	Unexpected power disconnection was detected	There are no restricted assist functions while displayed	Check the power cord for damage. Turn the power off and back on again.
<b>W20000</b>	Battery operation temperature is higher than normal	No system functions will start	Leave the battery in a cool place until the temperature decreases sufficiently.
<b>W30200</b>	Shifting unit installed differs from unit configured in system	Unable to perform gear shifting	Update shifting configuration in E-Tube Project app.

## Cycle Computer Error Codes

- An error message may appear on the cycle computer if the system detects an issue.
- If any issues persist after the suggestions below, contact the place of purchase.



CODE	ISSUE	OPERATIONAL RESTRICTION	REMEDY
<b>E010</b>	A system abnormality was detected in the drive unit	Power assistance is not provided during riding	Turn the power off and back on again
<b>E01000 - E01004</b>	A sensor abnormality was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase
<b>E01010 - E01011</b>	A sensor abnormality was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase
<b>E01020 - E01022</b>	A sensor abnormality was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase
<b>E01030</b>	A sensor failure was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase
<b>E01040 - E01042</b>	A malfunction was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase
<b>E01050 - E01051</b>	A sensor failure was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase
<b>E013, E034 &amp; E03400</b>	An abnormality was detected in the drive unit's firmware	Power assistance is not provided during riding	Connect to the E-Tube Project app and restore or update the firmware
<b>E014</b>	An abnormal vehicle speed signal was detected from the speed sensor	Power assistance is not provided during riding	Check that the speed sensor is correctly positioned
<b>E020 &amp; E02000</b>	A communication error between the battery and drive unit was detected	Power assistance is not provided during riding	Check that the cable between the drive unit and battery is properly connected
<b>E021</b>	Battery connected to the drive unit is not supported	Power assistance is not provided during riding	Turn the power off and back on again
<b>E022</b>	The battery connected does not conform with system standards	No system functions will start	Turn the power off and back on again
<b>E023</b>	An electrical failure was detected inside the battery	No system functions will start	Turn the power off and back on again
<b>E025</b>	The battery does not recognize the drive unit	No system functions will start	Confirm the drive unit is compatible. Check the power cord for damage
<b>E030</b>	Shifting unit installed differs from unit configured in system	Power assistance is not provided during riding	Update shifting configuration in E-Tube Project app
<b>E033</b>	Current firmware is not supported by this system	Power assistance is not provided during riding	Connect to the E-Tube Project app and update the firmware
<b>E035 &amp; E03500</b>	An abnormality was detected in the vehicle settings	Power assistance is not provided during riding	Connect to the E-Tube Project app to check if the settings and vehicle status differ
<b>E043</b>	Part of the system firmware may be corrupted	Power assistance is not provided during riding	Contact the place of purchase to restore the system firmware
<b>E044</b>	Error caused by system configuration	Power assistance is not provided during riding	Contact the place of purchase
<b>E050 &amp; E05000</b>	An abnormal vehicle speed signal was detected from the speed sensor	Power assistance is not provided during riding	Check that the speed sensor is correctly positioned

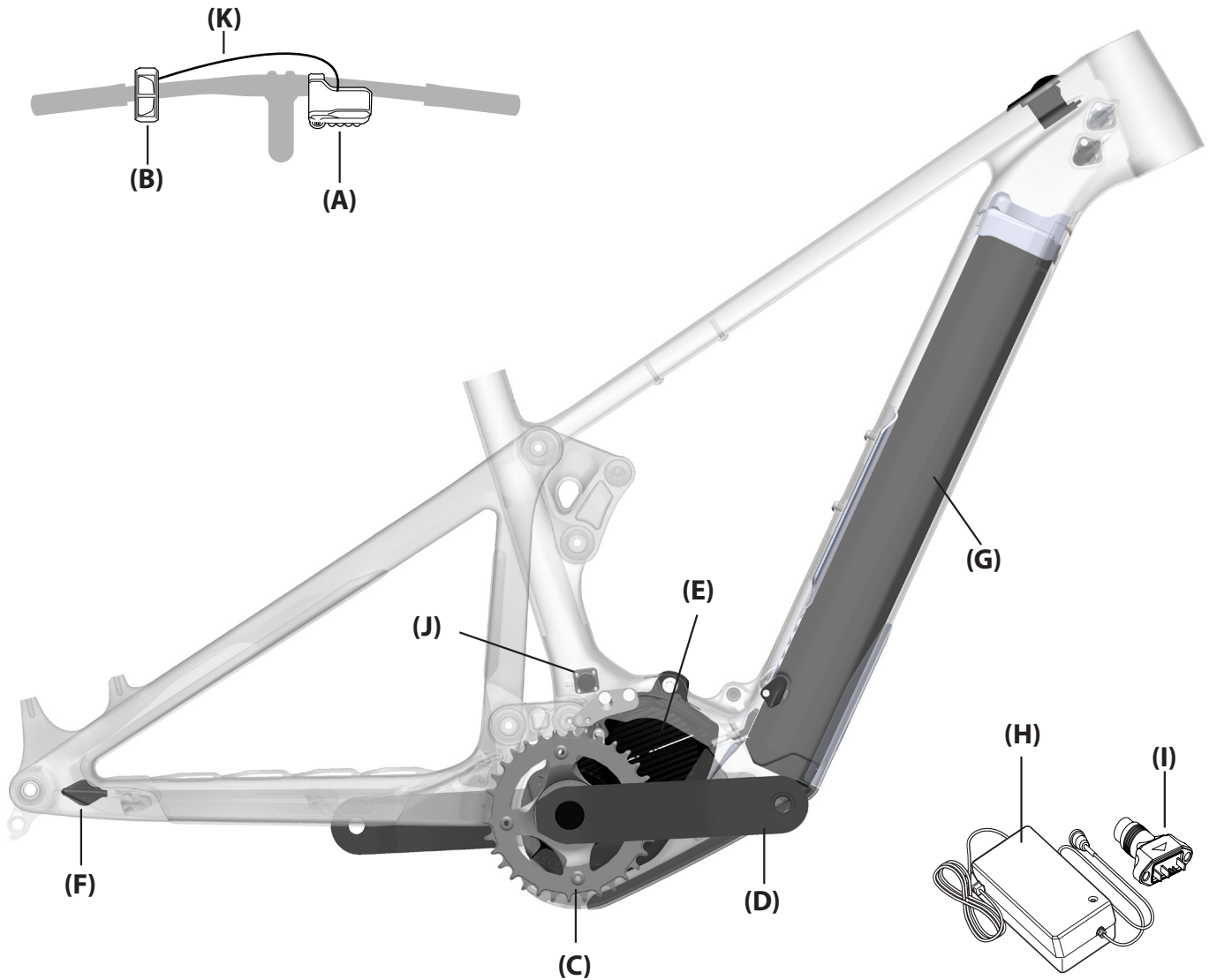
## Fahrrad-Computer-Fehlermeldungen

- Wenn das System ein Problem entdeckt, können auf dem Display des Fahrrad-Computers Fehlermeldungen erscheinen.
- Bleiben Probleme auch nach Ausführung der Lösungsvorschlägen bestehen, wende dich an den Verkäufer deines Bikes.

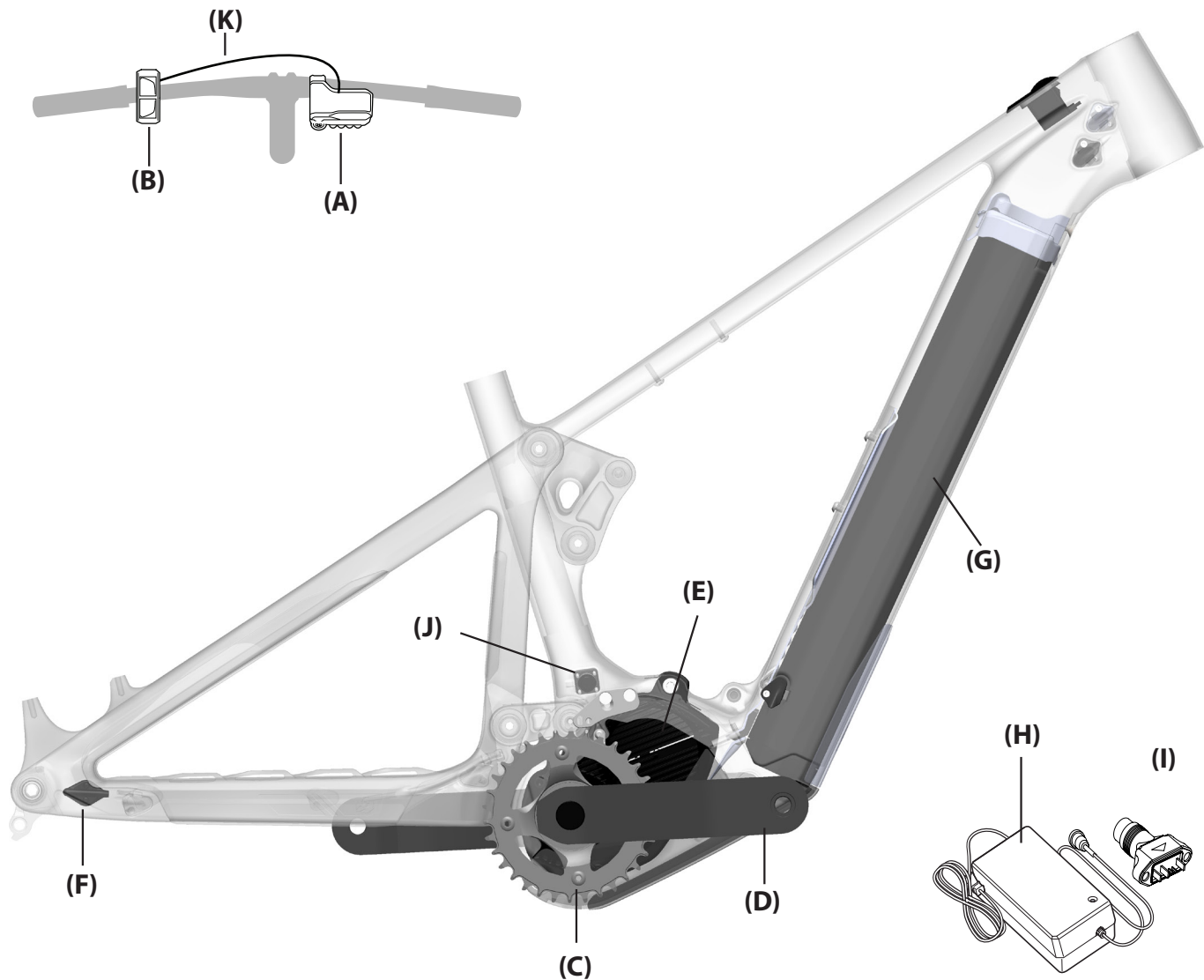


CODE	ISSUE	OPERATIONAL RESTRICTION	REMEDY
<b>E010</b>	A system abnormality was detected in the drive unit	Power assistance is not provided during riding	Turn the power off and back on again.
<b>E01000 - E01004</b>	A sensor abnormality was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase.
<b>E01010 - E01011</b>	A sensor abnormality was detected in the drive unit	Power assistance is not provided during riding	Contact the place of purchase.
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<b>E022</b>	The battery connected does not conform with system standards	No system functions will start	Turn the power off and back on again.
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<b>E025</b>	The battery does not recognize the drive unit	No system functions will start	Confirm the drive unit is compatible. Check the power cord for damage.
<b>E030</b>	Shifting unit installed differs from unit configured in system	Power assistance is not provided during riding	Update shifting configuration in E-Tube Project app.
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<b>E035 &amp; E03500</b>	An abnormality was detected in the vehicle settings	Power assistance is not provided during riding	Connect to the E-Tube Project app to check if the settings and vehicle status differ.
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<b>E044</b>	Error caused by system configuration	Power assistance is not provided during riding	Contact the place of purchase.
<b>E050 &amp; E05000</b>	An abnormal vehicle speed signal was detected from the speed sensor	Power assistance is not provided during riding	Check that the speed sensor is correctly positioned.

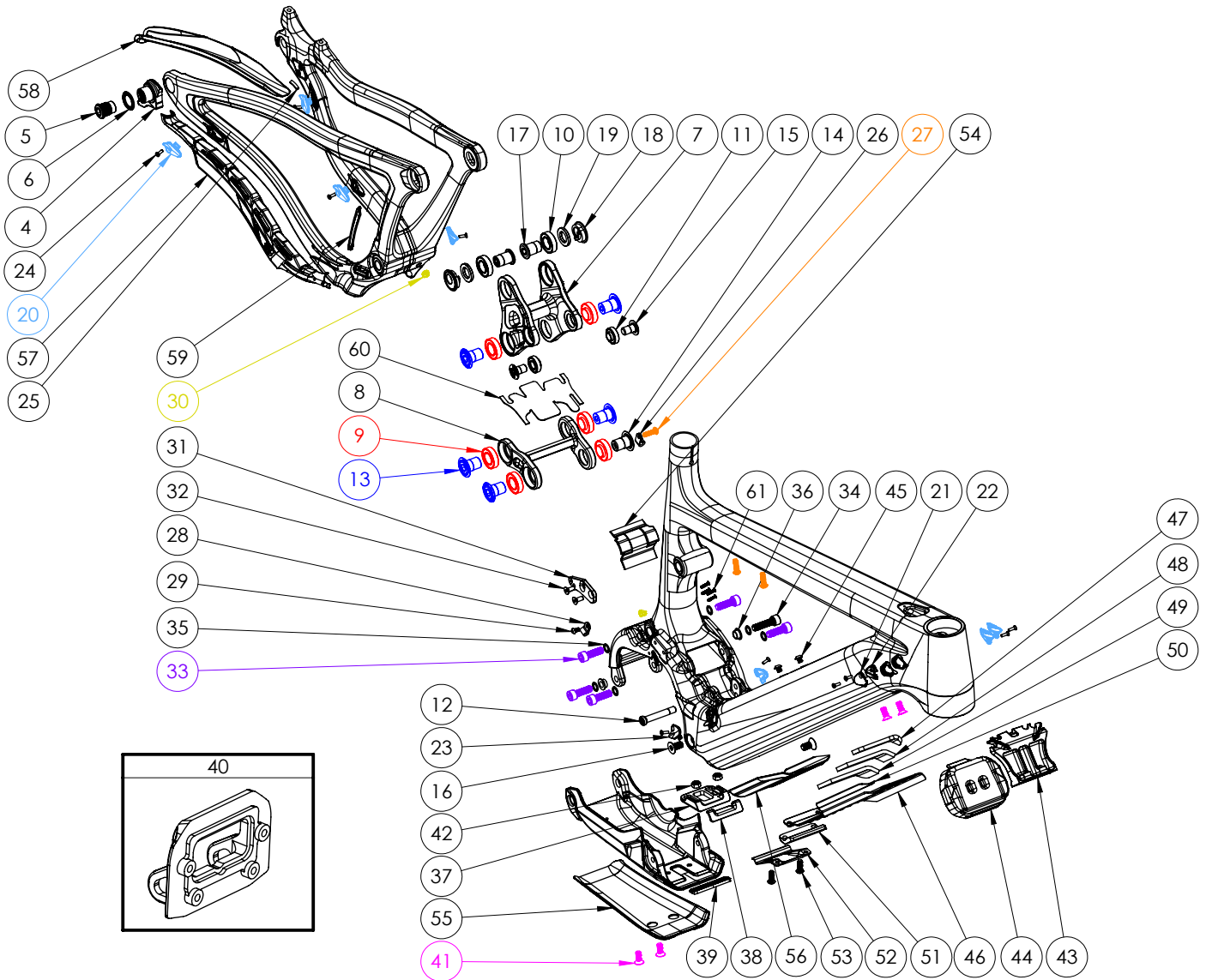
## Shimano STEPS E-bike System Schematic



LETTER	PART DESCRIPTION	PART NAME
A	Cycle Computer	SC-EM800A
B	Assist Switch	SW-EM800-L
C	Front Chainring	SAMOX NWP201-34T
D	Crank Arm	FC-M8150
E	Drive Unit	DU-EP800
F	Speed Sensor	EW-SS301
G	Battery	DARFON 756 Wh
H	Battery Charger (US) Battery Charger (EU)	DARFON BK.01240.304 DARFON BK.01240.301
I	Battery Charger Adapter (For Off-the-bike Charging - Sold Separately)	DARFON 5J.E4C0G.0E1
J	Charging Port and Cable	DARFON 5J.E4C0G.0C1
K	Assist Switch E-Tube Wire (400mm)	EW-SD400
L	Cycle Computer E-Tube Wire (S/M/L 1000mm, XL 1200) <i>Not Shown Above</i>	EW-SD1000 / EW-SD1200

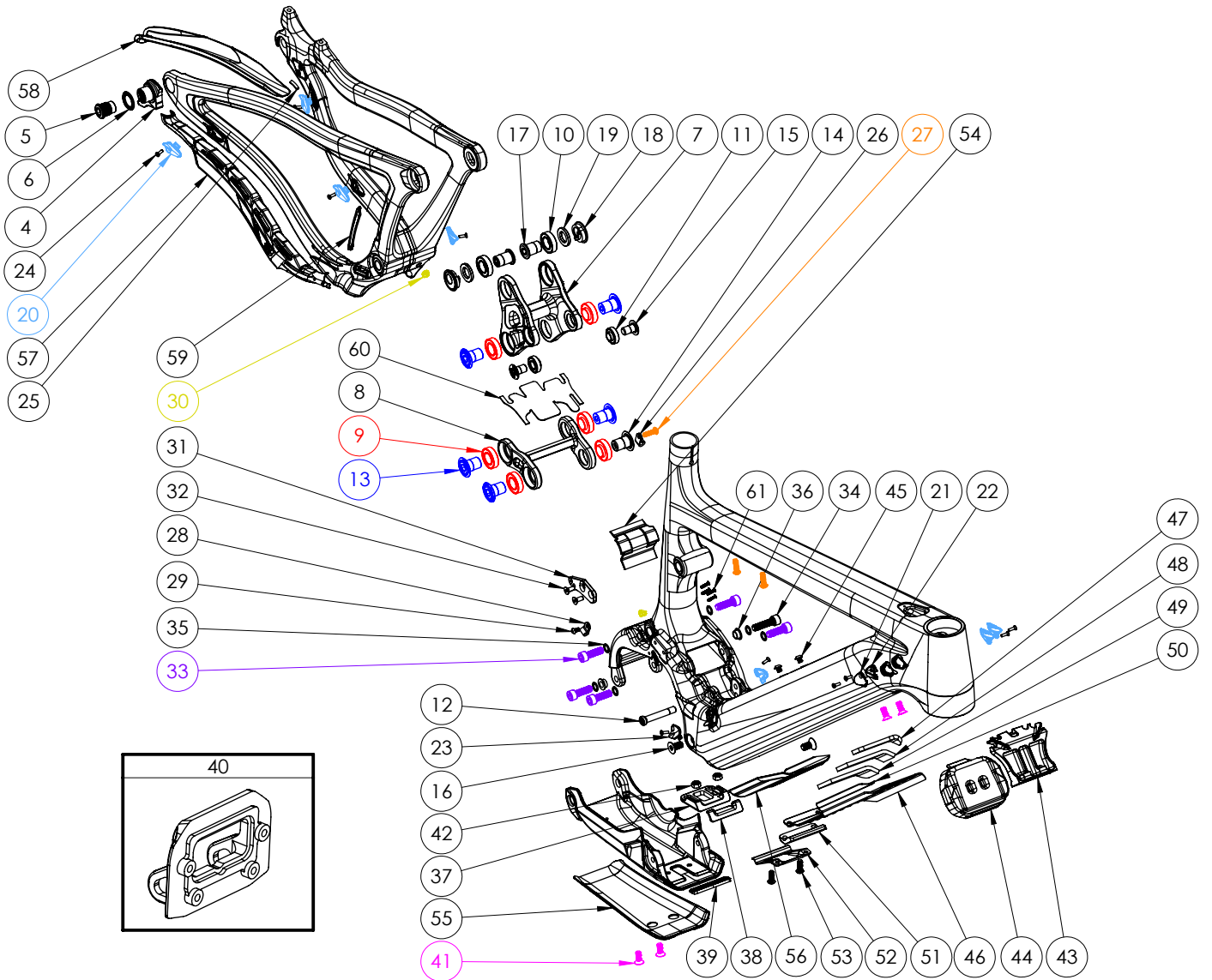
**Shimano STEPS E-bike System Schaubilder**


LETTER	PART DESCRIPTION	PART NAME
A	Cycle Computer	SC-EM800A
B	Assist Switch	SW-EM800-L
C	Front Chainring	SAMOX NWP201-34T
D	Crank Arm	FC-M8150
E	Drive Unit	DU-EP800
F	Speed Sensor	EW-SS301
G	Battery	DARFON 756 Wh
H	Battery Charger (US) Battery Charger (EU)	DARFON BK.01240.304 DARFON BK.01240.301
I	Battery Charger Adapter (For Off-the-bike Charging - Sold Separately)	DARFON 5J.E4C0G.0E1
J	Charging Port and Cable	DARFON 5J.E4C0G.0C1
K	Assist Switch E-Tube Wire (400mm)	EW-SD400
L	Cycle Computer E-Tube Wire (S/M/L 1000mm, XL 1200) <i>Not Shown Above</i>	EW-SD1000 / EW-SD1200

**Small Parts Schematic**




**Schaubild Kleinteile**







**Small Parts Table**

SHUTTLE LT				
Hardware				
NUMBER	PART NUMBER	DESCRIPTION	TORQUE	*
4	FP-UDH-TA-12MM-BLK-V1-R1	Universal Rear Derailleur Hanger		
5	-	Universal Rear Derailleur Hanger Bolt	25 Nm (18 lb·ft)	
6	-	Universal Rear Derailleur Hanger Washer		
7	FP-LNK-UL-84MM-V1-R1	84mm Upper Link		
8	FP-LNK-LL-50MM-V2-R1	50mm Out-to-Out Lower Link V2		
9	FP-BRG-6902-LLUMAXECN	28mm 6902 Extended Max-E Bearing		R
10	FP-BRG-6902-LLUMAX	28mm 6902 Standard Max Bearing		R
11	FP-BRG-6900-LLUMAXE	22mm 6900 Ext'd Max-E Bearing		R
12	FP-BLT-M8*45.7-BLK-V2	M8 Front Shock Bolt for 30.1mm Shock Spacing	13 Nm (10 lb·ft)	G / L
13	FP-BLT-M14*20-BLK-V2-R2	M14x20 Link Bolt	35 Nm (27 lb·ft)	L
14	FP-BLT-M14*20-BLK-V4-R1	M14x20 Link Bolt w/ Internal Threads	35 Nm (27 lb·ft)	L
15	FP-BLT-M10*16.5-BLK-V1	M10 Trunnion Mount Bolt	13 Nm (10 lb·ft)	L
16	FP-SCW-FLT-M8*16	M8x16 Flat Head Bolts for Skid Plate	13 Nm (10 lb·ft)	G / L
17	FP-BLT-M14*20-BLK-V3-R2	M14x20 Flip Chip Bolt	35 Nm (27 lb·ft)	L
18	FP-NUT-FLIPCHIP-4.6MM-V1	4.6mm Flip Chip		G
19	FP-WSH-SPC-15I*250*3W	M14x3mm Flip Chip Spacer		G
20	FP-CLM-MECH-FRM-V1	Internal Routing Cable Clamp		
21	FP-CVR-MECH-FRM-V2	Internal Routing Hole Cover		
22	FP-CLM-DUAL-FRM-V1	Internal Routing Dual Clamp		
23	FP-CLM-MECH-FRM-V2	Internal Routing Cable Clamp (Mirrored)		
24	FP-SCW-FLT-M3*10	M3x10 Cable Clamp Screw (Included w/ Clamp)		
25	FP-CLM-DI2-SLV-BLK-V1	Di2 Wire Sleeve for Cable Clamps		
26	FP-CLM-ADEL-5MM-V1-R1	5mm Adel Clamp for Rear Brake		
27	PIVOT WB BOLTS V2	M5 Adel Clamp Bolt / Top Tube Tool Bolts		
28	FP-CLM-ADEL-4MM-V1-R1	4mm Adel Clamp for RD Cable		
29	FP-SCW-BTN-M4*8-V1-R1	M4x8 Adel Clamp Mounting Bolt		
30	FP-GDE-DI2-7*8*2.5*2.5	7x8mm Di2 Wire Guide		
31	FP-MNT-CG-V3	Chain Guide Mounting Plate		
32	FP-SCW-FLT-M5*12	M5x12 CG Mounting Screw	5 Nm (4 lb·ft)	L
33	FP-SCW-SCK-M8*25-V1-R1	M8x25 Motor Mounting Screw	13 Nm (10 lb·ft)	L
34	FP-SCW-SCK-M8*30-R1	M8x30 Motor Mounting Screw	13 Nm (10 lb·ft)	L
35	FP-WSH-8I*120*1W	M8 Motor Mount Bolt Washer		
36	FP-WSH-SKIDPLT-V1-R1	M8 Bushing for Rear Skid Plate bolts		G
37	FP-SPC-SKIDPLT-WEDGE-V1-R1	Skid Plate Wedge		
38	FP-PRO-SKIDPLT-WEDGE-V1-R1	Skid Plate Wedge Rubber		
39	FP-GDE-BATT-LOWER-V1-R1	Lower Battery Support		
40	FP-MNT-WIRE-PLATE-V1-R1	Wire Connector Custom Backing Plate		
41	FP-BLT-FLT-M6*16-V1-R1	M6x16 Skid Plate Wedge / Front Bracket mounting bolts		G / L
42	FP-NUT-M6-NYLOC-V1-R1	M6 Nylon Locking Nuts		
43	FP-MNT-FRNT-BATT-V3-R1	Front Battery Bracket		
44	FP-MNT-LATCH-BATT-V1-R1	Front Battery Catch		
45	FP-BLT-BTN-M5*6-V1-R1	M5x6 DT Water Bottle Bolts	3 Nm (26 in·lb)	
46	FP-GDE-WIRE-PLATE-V1-R1	Wire Routing Plate		
47	FP-PRO-FOAM-87*21-V1-R1	Wire Routing Plate Foam (70x21)		
48	FP-PRO-FOAM-87*32-V1-R1	Wire Routing Plate Foam (70x32)		
49	FP-PRO-FOAM-87*40-V1-R1	Wire Routing Plate Foam (70x40)		
50	FP-PRO-PLATE-STRIP-V1-R1	Wire Routing Plate Rubber Strip		
51	FP-GDE-WIRE-BASE-V1-R1	Wire Routing Plate Rubber Base		
52	FP-GDE-WIRE-SHIELD-V1-R1	Wire Shield		
53	FP-SCW-BTN-M5*16-V1-R1	M5x16 Wire Routing Plate Mounting Screw	3 Nm (26 in·lb)	L
54	FP-CVR-MOTOR-FRONT-V1-R1	Front Motor Mount Cover		
55	FP-PRO-SHTV5-SKD-V1-R1	SHTLv5 Skid Plate Protector		
56	FP-PRO-SHTV5-DT-V1-R1	SHTLv5 Downtube Protector		
57	FP-PRO-SHTV5-CS-V1-R1	SHTLv5 Chainstay Protector		
58	FP-PRO-SHTV5-SS-V1-R1	SHTLv5 Seatstay Protector		
59	FP-PRO-SHTV5-UR-V1-R1	SHTLv5 Upright Protector		
60	FP-PRO-LL-50MM-V2-R1	Lower Link Protector		
61	FP-BLT-FLT-M2.5*8-V1-R1	M2.5x8 Flat Head Charging Port Mounting Bolts		
62	FRAME SIZE STICKER - XS/SM/MD/LG/XL	Frame Size Sticker		
Axles				
NUMBER	PART NUMBER	DESCRIPTION	TORQUE	*
101	157MM THROUGH AXLE V5	157mm UDH Rear Axle	15 Nm (11 lb·ft)	G
102	-	12mm Axle Washer (Included w/ Axle)		
Bike Care				
*	PRODUCT TYPE	RECOMMENDED PRODUCT		
G	Grease	Motorex Bike Grease 2000		
L	Thread Locker**	Loctite Thread Locker #243 (or equivalent)		
G/L	Grease (Bolt Shaft) / Thread Locker (Bolt Threads)	See Above		
A	Anti-Seize	Motorex Copper Paste		
R	Retaining Compound	Loctite Retaining Compound #620 (or equivalent)		

\*\*Threadlocker should always be applied to the corresponding female threads for the bolt specified





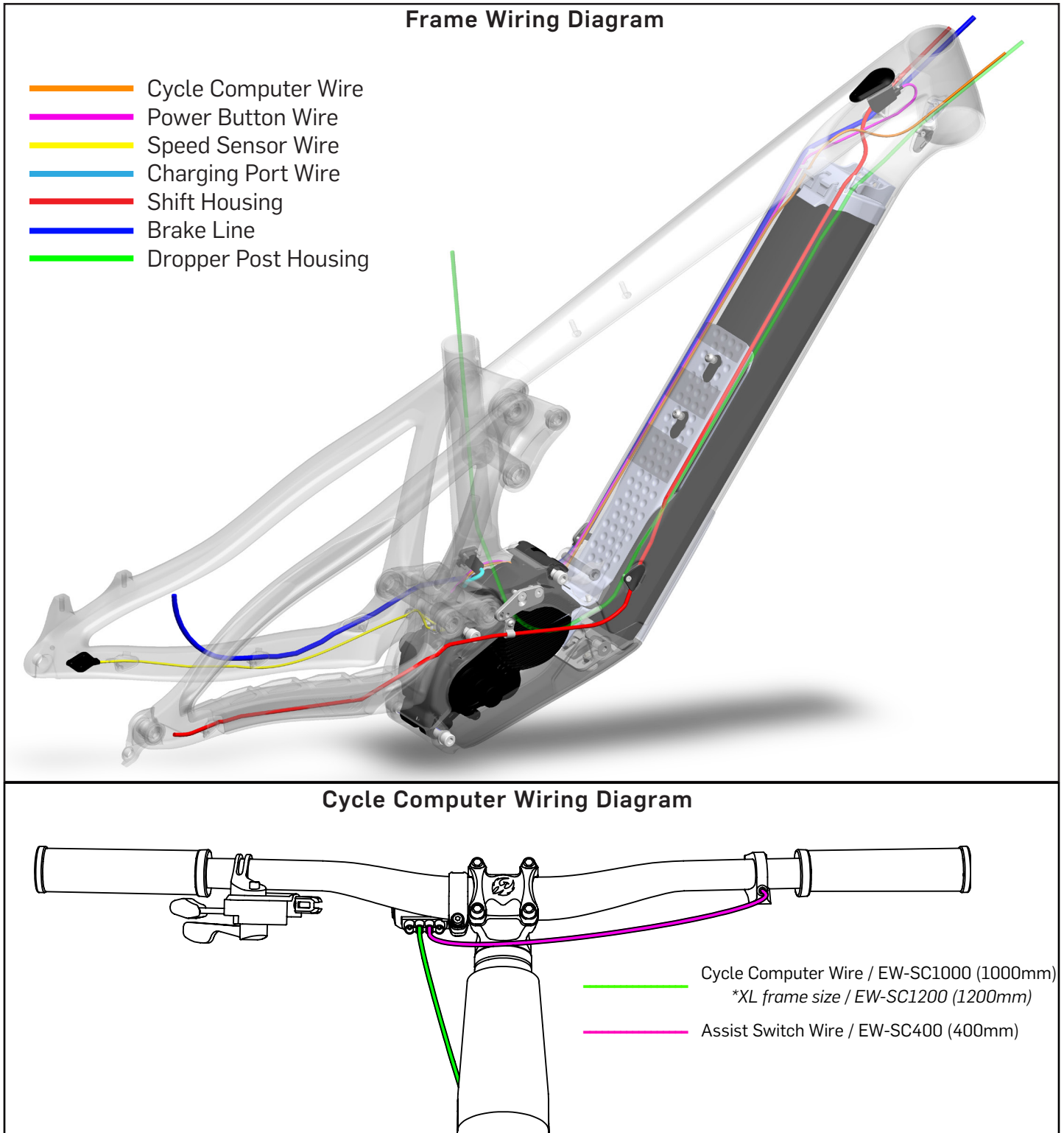
SHUTTLE LT				
Hardware				
NUMBER	PART NUMBER	DESCRIPTION	TORQUE	*
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5	-	Universal Rear Derailleur Hanger Bolt	25 Nm (18 lb-ft)	
6	-	Universal Rear Derailleur Hanger Washer		
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8	FP-LNK-LL-50MM-V2-R1	50mm Out-to-Out Lower Link V2		
9	FP-BRG-6902-LLUMAXECN	28mm 6902 Extended Max-E Bearing		R
10	FP-BRG-6902-LLUMAX	28mm 6902 Standard Max Bearing		R
11	FP-BRG-6900-LLUMAXE	22mm 6900 Ext'd Max-E Bearing		R
12	FP-BLT-M8*45.7-BLK-V2	M8 Front Shock Bolt for 30.1mm Shock Spacing	13 Nm (10 lb-ft)	G / L
13	FP-BLT-M14*20-BLK-V2-R2	M14x20 Link Bolt	35 Nm (27 lb-ft)	L
14	FP-BLT-M14*20-BLK-V4-R1	M14x20 Link Bolt w/ Internal Threads	35 Nm (27 lb-ft)	L
15	FP-BLT-M10*16.5-BLK-V1	M10 Trunnion Mount Bolt	13 Nm (10 lb-ft)	L
16	FP-SCW-FLT-M8*16	M8x16 Flat Head Bolts for Skid Plate	13 Nm (10 lb-ft)	G / L
17	FP-BLT-M14*20-BLK-V3-R2	M14x20 Flip Chip Bolt	35 Nm (27 lb-ft)	L
18	FP-NUT-FLIPCHIP-4.6MM-V1	4.6mm Flip Chip		G
19	FP-WSH-SPC-15I*250*3W	M14x3mm Flip Chip Spacer		G
20	FP-CLM-MECH-FRM-V1	Internal Routing Cable Clamp		
21	FP-CVR-MECH-FRM-V2	Internal Routing Hole Cover		
22	FP-CLM-DUAL-FRM-V1	Internal Routing Dual Clamp		
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24	FP-SCW-FLT-M3*10	M3x10 Cable Clamp Screw (Included w/ Clamp)		
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32	FP-SCW-FLT-M5*12	M5x12 CG Mounting Screw	5 Nm (4 lb-ft)	L
33	FP-SCW-SCK-M8*25-V1-R1	M8x25 Motor Mounting Screw	13 Nm (10 lb-ft)	L
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35	FP-WSH-8I*120*1W	M8 Motor Mount Bolt Washer		
36	FP-WSH-SKIDPLT-V1-R1	M8 Bushing for Rear Skid Plate bolts		G
37	FP-SPC-SKIDPLT-WEDGE-V1-R1	Skid Plate Wedge		
38	FP-PRO-SKIDPLT-WEDGE-V1-R1	Skid Plate Wedge Rubber		
39	FP-GDE-BATT-LOWER-V1-R1	Lower Battery Support		
40	FP-MNT-WIRE-PLATE-V1-R1	Wire Connector Custom Backing Plate		
41	FP-BLT-FLT-M6*16-V1-R1	M6x16 Skid Plate Wedge / Front Bracket mounting bolts		G / L
42	FP-NUT-M6-NYLOC-V1-R1	M6 Nylon Locking Nuts		
43	FP-MNT-FRNT-BATT-V3-R1	Front Battery Bracket		
44	FP-MNT-LATCH-BATT-V1-R1	Front Battery Catch		
45	FP-BLT-BTN-M5*6-V1-R1	M5x6 DT Water Bottle Bolts	3 Nm (26 in·lb)	
46	FP-GDE-WIRE-PLATE-V1-R1	Wire Routing Plate		
47	FP-PRO-FOAM-87*21-V1-R1	Wire Routing Plate Foam (70x21)		
48	FP-PRO-FOAM-87*32-V1-R1	Wire Routing Plate Foam (70x32)		
49	FP-PRO-FOAM-87*40-V1-R1	Wire Routing Plate Foam (70x40)		
50	FP-PRO-PLATE-STRIP-V1-R1	Wire Routing Plate Rubber Strip		
51	FP-GDE-WIRE-BASE-V1-R1	Wire Routing Plate Rubber Base		
52	FP-GDE-WIRE-SHIELD-V1-R1	Wire Shield		
53	FP-SCW-BTN-M5*16-V1-R1	M5x16 Wire Routing Plate Mounting Screw	3 Nm (26 in·lb)	L
54	FP-CVR-MOTOR-FRONT-V1-R1	Front Motor Mount Cover		
55	FP-PRO-SHTV5-SKD-V1-R1	SHTLv5 Skid Plate Protector		
56	FP-PRO-SHTV5-DT-V1-R1	SHTLv5 Downtube Protector		
57	FP-PRO-SHTV5-CS-V1-R1	SHTLv5 Chainstay Protector		
58	FP-PRO-SHTV5-SS-V1-R1	SHTLv5 Seatstay Protector		
59	FP-PRO-SHTV5-UR-V1-R1	SHTLv5 Upright Protector		
60	FP-PRO-LL-50MM-V2-R1	Lower Link Protector		
61	FP-BLT-FLT-M2.5*8-V1-R1	M2.5x8 Flat Head Charging Port Mounting Bolts		
62	FRAME SIZE STICKER - XS/SM/MD/LG/XL	Frame Size Sticker		
Axles				
NUMBER	PART NUMBER	DESCRIPTION	TORQUE	*
101	157MM THROUGH AXLE V5	157mm UDH Rear Axle	15 Nm (11 lb-ft)	G
102	-	12mm Axle Washer (Included w/ Axle)		
Bike Care				
*	PRODUCT TYPE	RECOMMENDED PRODUCT		
G	Grease	Motorex Bike Grease 2000		
L	Thread Locker**	Loctite Thread Locker #243 (or equivalent)		
G/L	Grease (Bolt Shaft) / Thread Locker (Bolt Threads)	See Above		
A	Anti-Seize	Motorex Copper Paste		
R	Retaining Compound	Loctite Retaining Compound #620 (or equivalent)		

\*\*Threadlocker should always be applied to the corresponding female threads for the bolt specified



### Shuttle LT Wiring Diagram

- The diagrams below will help illustrate how the wires are to be routed through the internal cable guides and how the handlebar switches are attached to the cycle computer.
- The routing shown below will help minimize the likelihood of pinching a wire when removing and installing the motor for maintenance purposes.





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## **Bicycle Safety**

- This bike is not designed or equipped for use on public roads. Before it can be used on public roads it must be fitted with the legally prescribed equipment. It is designed to be used off-road, but not for competitions. The manufacturer and dealer accept no liability for damage resulting from any use beyond this definition and/or failure to comply with the safety information and instructions in this user guide. This applies particularly to, but not limited to, the use of this bike in competitions, overloading, and the failure to properly rectify faults. Intended use also includes conformance with the specified operating, service, and repair conditions in the user guide. Fluctuations in the consumption and power of the battery and a reduction of capacity with increasing age are common and technically unavoidable, and as such, do not constitute material defects.

## **Battery Safety**

- Batteries are subject to the dangerous goods regulations. Private users are permitted to transport them on the road without further conditions. If transported by commercial third parties (e.g. by air freight, logistics companies, or postal service) special conditions apply to packing and labeling. For questions about transporting batteries, please contact your local Pivot dealer.
- Damaged batteries must not be charged, used, or transported. They can explode and cause serious burns or fires. Gases can be released and irritate the airways. Ensure there is a supply of fresh air and consult a doctor in the event of discomfort. Liquid can escape and cause skin irritation. Avoid contact with this liquid, but in case of accidental contact, wash off with water. If the liquid gets into the eyes, flush out with water and seek medical attention.
- Batteries must not be submerged in water. There is a risk of explosion. Do not attempt to extinguish a burning battery with water, only the surrounding burning material. For burning batteries, use a Class D Fire Extinguisher. If it is possible to take the battery safely outside, smother the fire with sand. You do not need to worry that you are in danger when riding in the rain; the battery is protected from moisture and condensation.
- Clean the battery with a dry or, if at all, a slightly moist rag. Do not direct the water jet of a high pressure cleaner at the rechargeable battery or submerge the battery into water, as there is a risk of water entry and/or short-circuit.
- For more information on the proper handling of your rechargeable battery see the system instructions of your drive manufacturer.
- Charge your battery only with the supplied charger. Do not use the charger of any other manufacturer, not even when the connector of the charger matches your rechargeable battery. The rechargeable battery can heat up, catch fire or even explode!
- Keep the rechargeable battery and the charger out of the reach of children!
- We recommend that you charge your battery only during the day and only in dry rooms which have a smoke or a fire detector; but not in your bedroom. Place the battery during the charging process on a big, non-flammable plate made of ceramics or glass! Unplug the battery once it has been charged up.
- Keep the rechargeable battery and the charger away from moisture and water during the charging process to exclude electric shocks and short circuits.
- Do not use a rechargeable battery or a charger that is defective. If you are in doubt or if you have any questions, contact your Pivot dealer.

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## **Sicherheitshinweise zum Fahrrad**

- Dieses Fahrrad ist nicht StVZO-konform. Es wurde nicht für die Nutzung auf öffentlichen Straßen gedacht oder dafür ausgerüstet. Vor der Nutzung auf öffentlichen Straßen muss es gesetzestkonform mit den vorgeschriebenen Reflektoren, Lichtern und Klingel ausgestattet werden. Das Bike ist für die Nutzung im Gelände gebaut, mit der Ausnahme von Wettbewerben und Rennen. Für Schäden die außerhalb der hier angeführten Nutzungsbedingungen oder bei Missachtung der Sicherheitshinweise und Instruktionen entstehen, übernehmen Händler und Hersteller keine Haftung. Dies betrifft vor allem, aber nicht ausschließlich, den Einsatz des Bikes in Wettkämpfen, Überladen, und das Versäumnis, Mängel und Störungen vorschriftsgemäß zu beheben. Die bestimmungsgemäße Verwendung bezieht sich auch auf die Einhaltung der in diesem Handbuch dargelegten Bedienungs-, Service- und Reparaturbedingungen. Schwankungen von Verbrauch und Leistung des Akkus und eine verminderte Leistung bei zunehmendem Alter sind normal und technisch nicht zu vermeiden. Sie stellen als solche keine materiellen Mängel dar.

## **Sicherheitshinweise zum Akku**

- Akkus unterliegen den Gefahrgutvorschriften. Privatanwender haben das Recht, sie auf der Straße ohne weitere Bedingungen zu transportieren. Beim Transport durch Dritte (z.B. Luftfracht, Logistikunternehmen, Postdienste) gelten besondere Bedingungen für Verpackung und Kennzeichnung. Bei Fragen zum Transport von Akkus wenden Sie sich bitte an Ihren örtlichen Pivot-Händler.
- Beschädigte Akkus dürfen nicht geladen, verwendet oder transportiert werden. Sie können explodieren und so zu schweren Verbrennungen oder Bränden führen. Atemwegsreizende Gase können freigesetzt werden. Sorgen Sie stets für ausreichende Frischluftzufuhr und suchen Sie im Falle von Unwohlsein einen Arzt auf. Flüssigkeit kann austreten und die Haut reizen. Vermeiden Sie den Kontakt mit dieser Flüssigkeit. Im Falle von Kontakt unter klarem Wasser abspülen. Bei Kontakt mit den Augen sofort mit klarem Wasser ausspülen und einen Arzt aufsuchen.
- Akkus dürfen nicht ins Wasser getaucht werden. Es besteht Explosionsgefahr. Brennende Akkus dürfen nicht mit Wasser gelöscht werden, nur sie umgebendes brennendes Material. Brennende Akkus müssen mit einem Feuerlöscher für Brandklasse D gelöscht werden. Falls es möglich ist, den Akku sicher ins Freie zu befördern, ersticken Sie das Feuer mit Sand. Wenn Sie im Regen fahren, müssen Sie sich keine Sorgen machen. Der Akku ist im Fahrrad vor Feuchtigkeit und Kondensation geschützt.
- Säubere den Akku mit einem trockenen, oder höchstens feuchten Tuch. Richte den Strahl eines Hochdruckreinigers unter keinen Umständen direkt auf den Akku. Tauche den Akku nicht unter Wasser. Es besteht das Risiko, dass Wasser eindringt und einen Kurzschluss verursacht.
- Weiterführende Informationen zur Sachgemäßen Handhabung deines Akkus findest du im Benutzerhandbuch des Motor-/Akku-Herstellers.
- Lade deinen Akku ausschließlich mit dem, im Lieferumfang enthaltenen, Ladegerät. Verwende unter keinen Umständen das Ladegerät eines anderen Herstellers, auch nicht, wenn der Ladestecker dem deines Akkus entspricht. Der Akku kann sich aufheizen, Feuer fangen oder explodieren!
- Bewahre den Akku und das Ladegerät außerhalb der Reichweite von Kindern auf.
- Wir empfehlen dir den Akku ausschließlich unter Tags und in trockenen Räumen, die mit einem Rauch-/Feuermelder ausgestattet sind, aufzuladen und unter keinen Umständen in deinem Schlafzimmer. Lege den Akku während dem Ladevorgang auf eine große, nicht brennbare Oberfläche aus Keramik oder Glas. Trenne den Akku vom Ladegerät, sobald er voll geladen ist.
- Halte den Akku und das Ladegerät während dem Ladeprozess von Feuchtigkeit und Wasser fern, um elektrische Schläge oder Kurzschlüsse zu verhindern.

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**Battery Safety (Continued)**

- Do not expose your battery or the charger to the blazing sun during charging.
- Do not charge any other electrical devices with the supplied charger of your Pivot e-bike.
- The drive is not approved for steam cleaning, high-pressure cleaning or cleaning with a water hose. The contact of the electrics or the drive with water can destroy the units. The individual drive components can be cleaned with a soft rag and neutral detergents. You may use a moist rag, but not excessive water. Keep the rechargeable battery dry and do not submerge it. Risk of explosion.
- Make sure your rechargeable battery does not show any damage, i.e. cracks, breakages or discolorations at the contact points. Do not use a battery with such damage. Bring a damaged battery to your Pivot dealer at once.
- Make sure your rechargeable battery is in sound condition. Do not open, disassemble or crush the battery. Risk of explosion!
- Make sure your rechargeable battery is not exposed to mechanical impacts.
- Keep your battery away from fire and heat. Risk of explosion!
- Batteries must not be short-circuited. Therefore store them in a safe storage area and make sure the battery is not short-circuited accidentally (e.g. with metal or another battery). In addition, rechargeable batteries must not be stored inappropriately, e.g. in a box or in a drawer where they can be short-circuited by other conductive materials or where they can short-circuit each other. Do not deposit any objects in the storage area (e.g. clothes).
- Make sure to use the battery only for the Pivot e-bike for which it is designed.
- Remove the rechargeable battery if you do not use your Pivot e-bike for a long period of time (e.g. during the winter season). Store the rechargeable battery in a dry room at temperatures between 5 - 20°C (41 - 68°F) . The state of charge should be 50 - 70% of the charging capacity. Check the state of charge if the rechargeable battery is left unused for more than two months and recharge it in between, if necessary, to 50%.
- The battery does not come charged and must be charged completely before the first use.
- When removing the charger from the outlet or the port, pull on the plug, not the cord.
- When charging the battery, plug the cord into the wall outlet first, and then into the battery.
- Be sure that the charger is on a flat and stable surface, when charging.
- Do not leave the battery fully depleted for an extended period of time. This will cause the battery to deteriorate and reduce the battery capacity.
- Keep the rechargeable battery and the charger away from moisture and water during the charging process to avoid electric shocks and short circuits.
- Keep the charger and battery out of reach of children.
- Do not use a battery or a charger that is defective. If you are in doubt, contact your Pivot dealer.
- If the rechargeable battery or the charger (or parts of it) must be replaced, only use original spare parts. Contact your Pivot dealer.
- Charge the battery at an ambient temperature of approximately 20°C (68°F). Therefore, before starting the charging, wait until the temperature of the battery has increased or decreased after a ride in cold or hot weather.
- Do not dispose of your rechargeable battery in the normal household rubbish! It must be disposed of according to battery disposal regulations. Therefore, sellers of new rechargeable batteries must provide collection of old batteries and appropriate disposal. If you are in doubt or if you have any questions, contact your Pivot dealer.
- When the battery is fully charged, remove the charger.
- Observe the notes on the respective labels on the rechargeable battery or on the charger.



### **Sicherheitshinweise zum Akku (Weiterführung)**

- Verwende keinen Akku und kein Ladegerät, das einen Defekt aufweist. Wenn du dir nicht sicher bist oder Fragen hast, kontaktiere deinen Pivot-Händler.
- Schütze deinen Akku und dein Ladegerät während des Ladevorgangs vor direkter Sonneneinstrahlung
- Lade keine anderen elektronischen Geräte mit dem Ladegerät deines Pivot E-Bikes.
- Der Motor ist nicht für die Reinigung durch Hochdruckreiniger oder Wasserschlauch freigegeben. Bei Kontakt der Elektronik mit Wasser, kann die Motoreinheit kaputt gehen. Die Einzelteile des Antriebs können mit einem weichen Tuch und neutralen Putzmitteln gesäubert werden. Ein feuchtes Tuch kann verwendet werden, solange nicht viel Wasser verwendet wird. Halte den Akku trocken und tauche ihn nicht unter Wasser. Es besteht die Gefahr von Explosionen!
- Stelle sicher, dass dein Akku keine äußerlichen Schäden, wie Risse, Brüche oder Verfärbungen der Kontakte aufweist. Verwende keinen Akku mit solchen Schäden. Bringe deinen beschädigten Akku zu deinem Pivot-Händler.
- Stelle sicher, dass dein Akku unversehrt ist und bleibt. Öffne, zerlege oder zerstöre den Akku unter keinen Umständen. Es besteht die Gefahr von Explosionen!
- Stelle sicher, dass dein Akku keinen mechanischen Stößen und Schlägen ausgesetzt ist.
- Halte deinen Akku von Hitzequellen und Feuer fern. Es besteht die Gefahr von Explosionen!
- Kurzschließen von Akkus ist verboten. Lagere den Akku an einem sicheren Lagerplatz und stelle sicher, dass es nicht versehentlich zum Kurzschluss mit Metal oder anderen Akkus kommen kann. Zusätzlich müssen Akkus ordnungsgemäß gelagert werden. Sie dürfen nicht so gelagert werden, dass es durch andere leitende Materialien oder andere Akkus zum Kurzschluss kommen kann. Bewahre in der Nähe keine anderen Objekte, wie z.B. Kleidung.
- Verwende den Akku nur mit dem Pivot E-Bike, für das er konstruiert wurde.
- Entferne den Akku, wenn du dein Pivot E-Bike für einen längeren Zeitraum nicht verwendest (z.B. Winter-Saison). Lagere den Akku in einem trockenen, zwischen 5° und 20° temperierten Raum. Die Ladung sollte etwa bei 50–70 % der maximalen Kapazität liegen. Überprüfe den Ladestand des Akkus, falls er länger als zwei Monate nicht genutzt wird und lade ihn, falls nötig, erneut zu 50 % auf.
- Der Akku ist bei Auslieferung nicht geladen und muss vor der ersten Verwendung aufgeladen werden.
- Beim Trennen des Ladegeräts von der Stromverbindung nicht am Kabel, sondern dem Stecker ziehen.
- Vor dem Aufladen erst den Stecker ans Stromnetz anschließen und dann den Akku an das Ladegerät anschließen.
- Stelle sicher, dass das Ladegerät während dem Ladevorgang auf einer geraden, stabilen Oberfläche steht.
- Lasse die Batterie nicht über längere Zeiträume komplett entladen. Das kann zu Nachlassen der Akku-Kapazität führen.
- Müssen der Akku, das Ladegerät oder Teile davon ersetzt werden, verwende ausschließlich Originalteile. Kontaktiere deinen Pivot-Händler.
- Lade den Akku erst, wenn er Raumtemperatur erreicht hat, also etwa 20°. Vor dem Ladevorgang musst du nach Fahrten bei warmen oder kalten Bedingungen warten, bis die Batterie sich auf Raumtemperatur aufgewärmt oder abgekühlt hat.
- Entsorge den Akku unter keinen Umständen im normalen Hausmüll! Er muss den Entsorgungs-Richtlinien entsprechend entsorgt werden. Verkäufer von neuen Akkus müssen deinen alten Akku entgegennehmen und entsorgen. Wenn du unsicher bist oder Fragen hast, kontaktiere deinen Pivot-Händler.
- Beachte die Sicherheitshinweise auf deinem Akku und deinem Ladegerät.



**Shimano STEPS Drive System**

- Additional information regarding operation and functionality of the Shimano EP8 Drive System and to download the STEPS software and mobile apps to fully utilize the connectivity and customizability of the Shimano STEPS System visit: <https://bike.shimano.com/>

**Pivot Shuttle LT**

- For FAQs and additional technical documents regarding the maintenance of the Pivot Shuttle LT can be found at: <https://global.pivotcycles.com/products/shuttle-lt>

**Sources**

- Portions of this document have been sourced from information provided by Shimano. Additional end-user documentation can be found at: <https://bike.shimano.com/>









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**Notes:**

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