

*Diamant* 



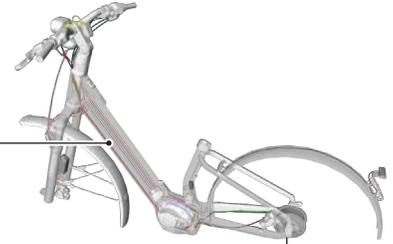
**SUVEA SPEED**  
SERVICE MANUAL

# Contents

## Trip Pro Speed



## Style Speed



### Routing

[Routing overview](#)

[Brake/dropper post](#)

[Front light/horn/power/rear derailleur](#)

### Rear derailleur

[Rear axle](#)

### Routing

[Routing overview](#)

[Brake/shift](#)

[Front light/horn/power](#)

### Belt drive

[Internal gear hub](#)

[Belt tensioner](#)

### Mudguards

[Front mudguard](#)

[Rear rack and mudguard](#)

### Battery

[Battery cover](#)

[Battery assembly](#)

### Routing

[Charge socket](#)

[ABS/speed sensors](#)

[Remote](#)

[Rear light/brake lights](#)

### Headset

[Headset](#)

[Install the headset](#)



### Drive unit

[Drive unit cover](#)

[Drive unit](#)

### Frame

[Chainguard](#)

[Kickstand](#)

[Ring lock](#)

[Frame fasteners](#)

[Specifications](#)

# About this manual

## Scope

This manual contains parts diagrams, specifications (such as grease and torque values), instructions, part numbers and helpful tips. It does not contain instructions for all components (such as brake callipers). Refer to the original manufacturer for more information.

## Additional info

The Owner's Manual is available at [Trekbikes.com/manuals](http://Trekbikes.com/manuals).

## Inspect the bike

Please inspect the bicycle carefully after removal from the box and all packaging:

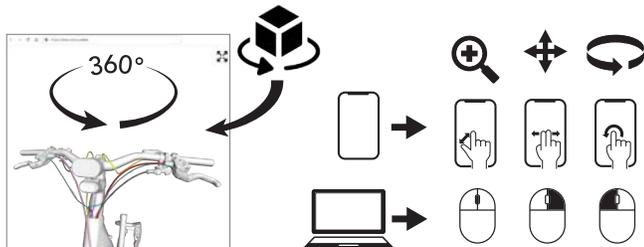
- Inspect all surfaces of the bicycle for damage, paying special attention to the fork legs and the seat stays (both inside and outside surfaces).
- If packaging damage is located near the front of the bicycle, remove the fork from the frame and inspect the steerer tube for damage.

## Replacement parts

Trek recommends using only Trek OEM (original manufacturer) replacement parts.

## 3D interactive graphics

Click the  icon in this manual to view interactive models.



## We value your feedback

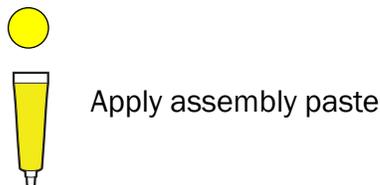
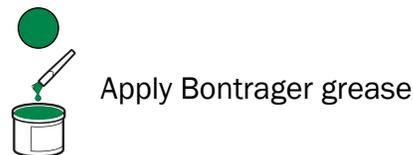
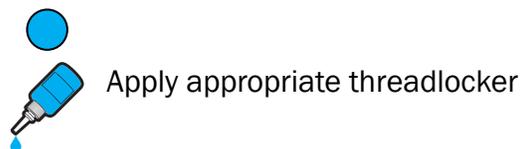
We hope you find our manual useful. To help us improve, [please take a brief survey about your experience](#). We periodically update our manuals and your input ensures we provide the highest quality user experience.



## For product help or enquiries:

Please visit [trekbikes.com/contactus](http://trekbikes.com/contactus) or call Customer Care.

## Legend



## Safety

### WARNING

#### Tighten hardware properly

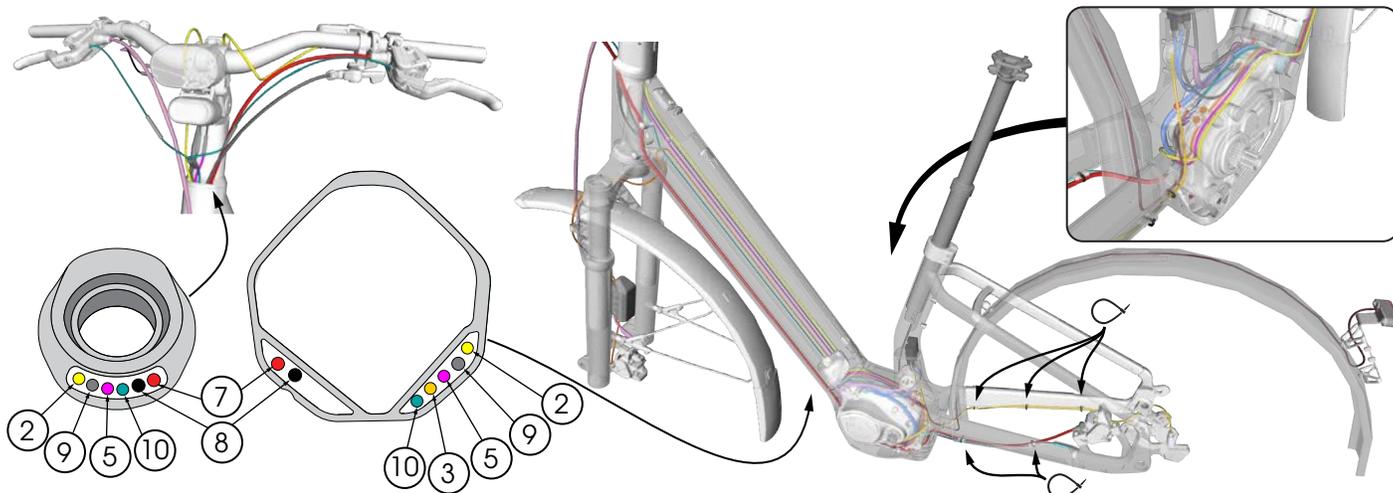
Always tighten hardware to the specified torque. Over-tightening hardware could deform or break the hardware or components. Under-tightening or over-tightening hardware could cause hardware or components to become loose. Either situation could damage the bicycle and result in injury to the rider.

### WARNING

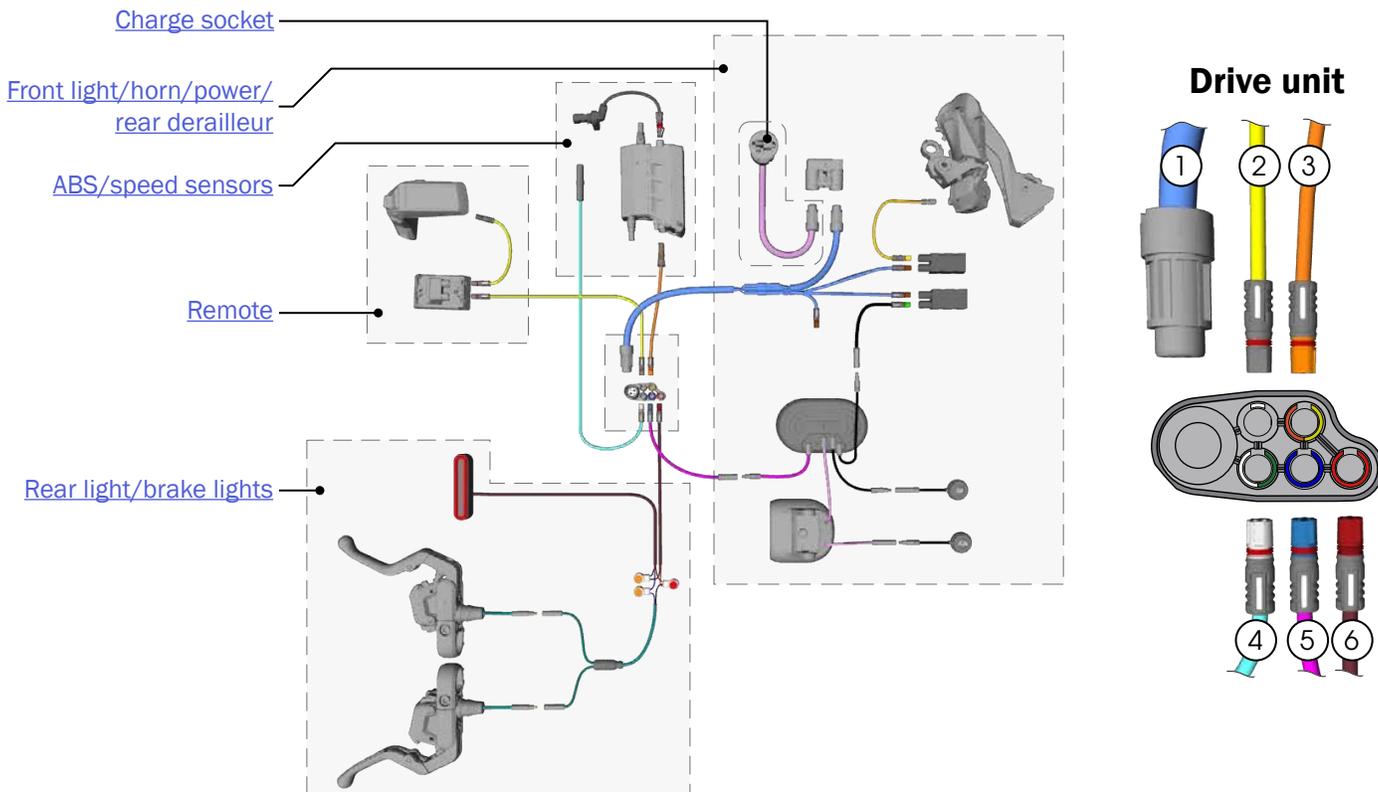
#### Re-apply threadlocker

All reused-fasteners with a pre-applied threadlocker must be cleaned with isopropyl alcohol and have new threadlocker applied before re-assembly. If a threadlocker is not applied, the fasteners may loosen, which could damage the bicycle and result in injury to the rider.

# Routing overview



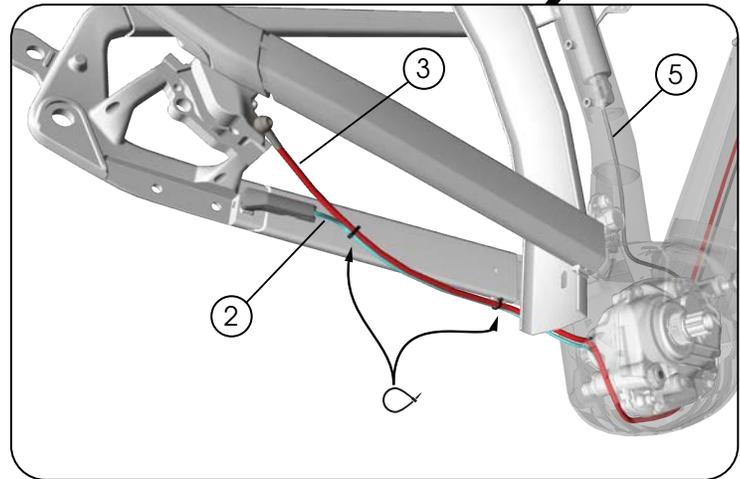
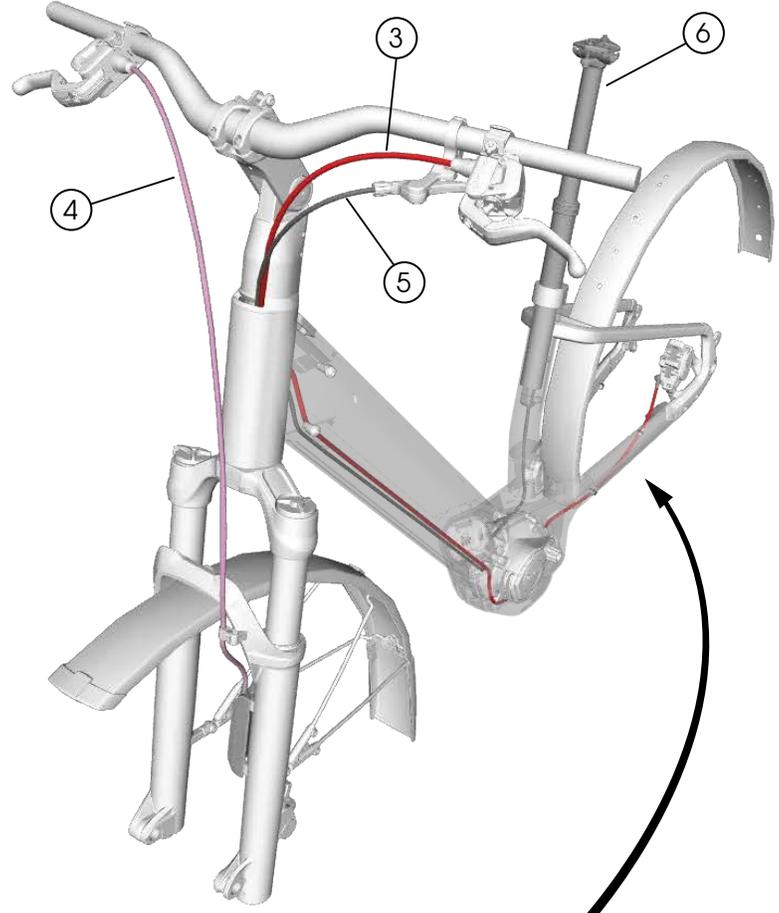
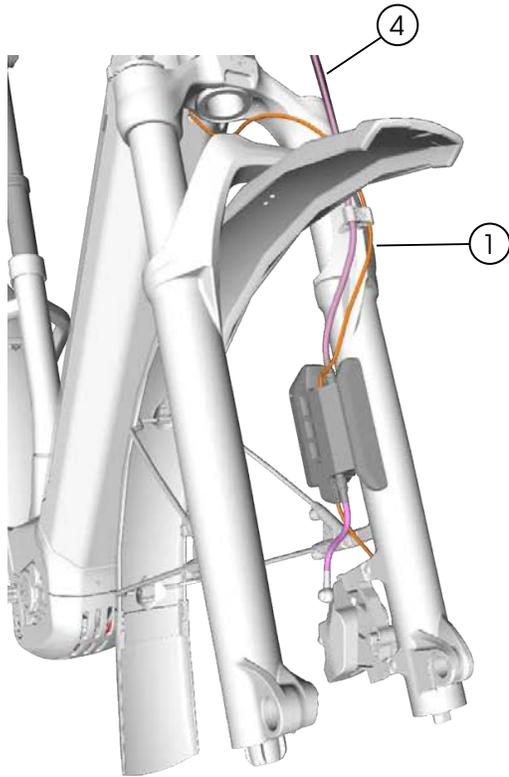
# Wiring diagram



- ① ■ Battery cable/connector (450 mm) - \*EB12.120.04E
- ② ■ HMI cable (1,500 mm) - \*EB12.120.005
- ③ ■ ABS cable - \*EB12.120.004
- ④ ■ Speed sensor/cable - \*EB11.200.011
- ⑤ ■ Front light wire - U-SNPC-BS3C1300 (Supernova)
- ⑥ ■ Rear light cable (1,400 mm) - \*EB12.120.00F
- ⑦ ■ Rear brake hose
- ⑧ ■ Dropper post cable
- ⑨ ■ Light power cable - W-SNPC-LPP1300 (Supernova)
- ⑩ ■ Brake light cable - 2,405,013 (Magura)

\*Bosch part number

# Brake/dropper post

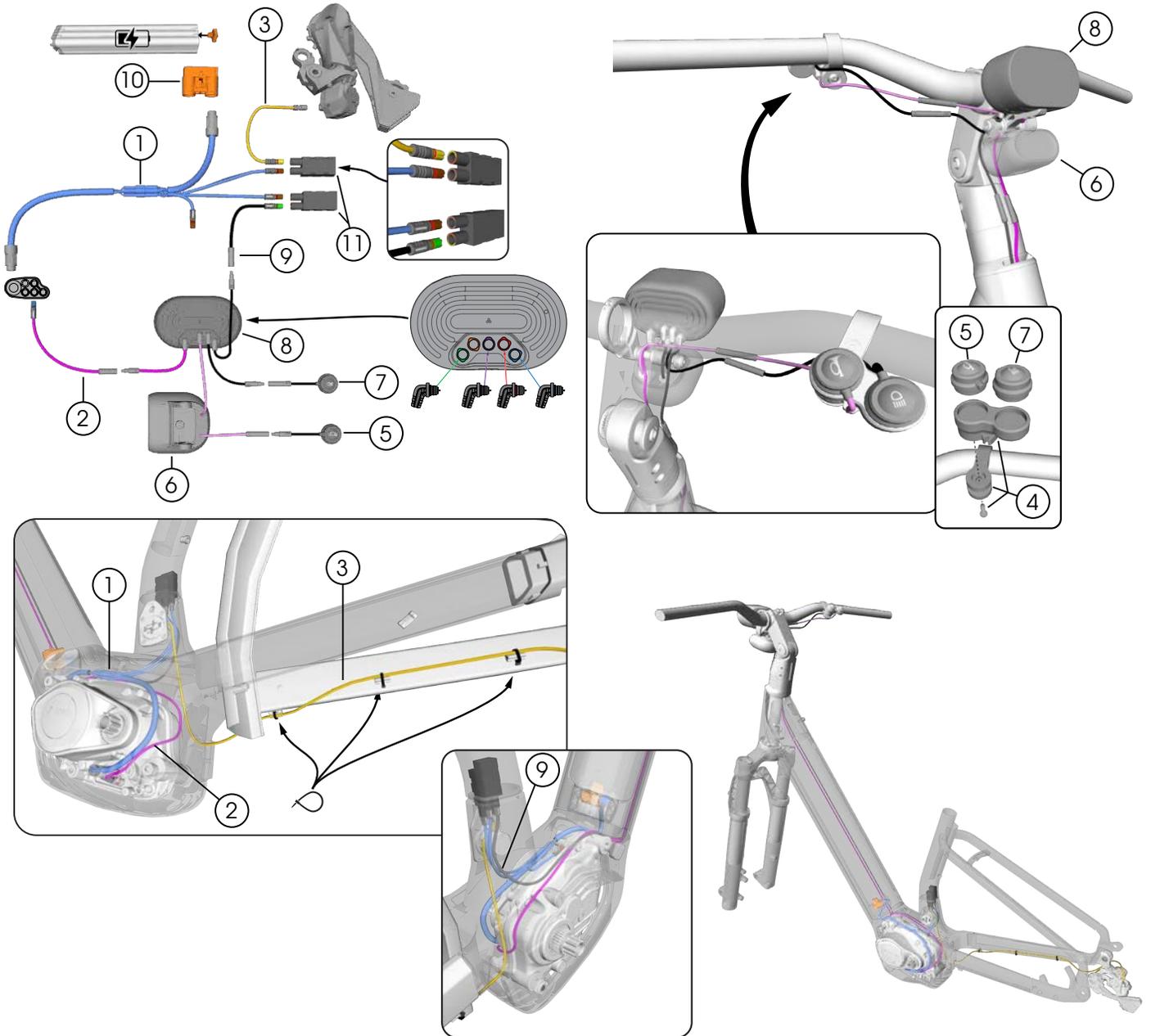


- ①  ABS cable - \*EB12.120.004
- ②  Speed sensor/cable - \*EB11.200.011
- ③  Rear brake hose
- ④  Front brake hose

- ⑤  Dropper post cable
- ⑥ Dropper post - W5333280

\*Bosch part number

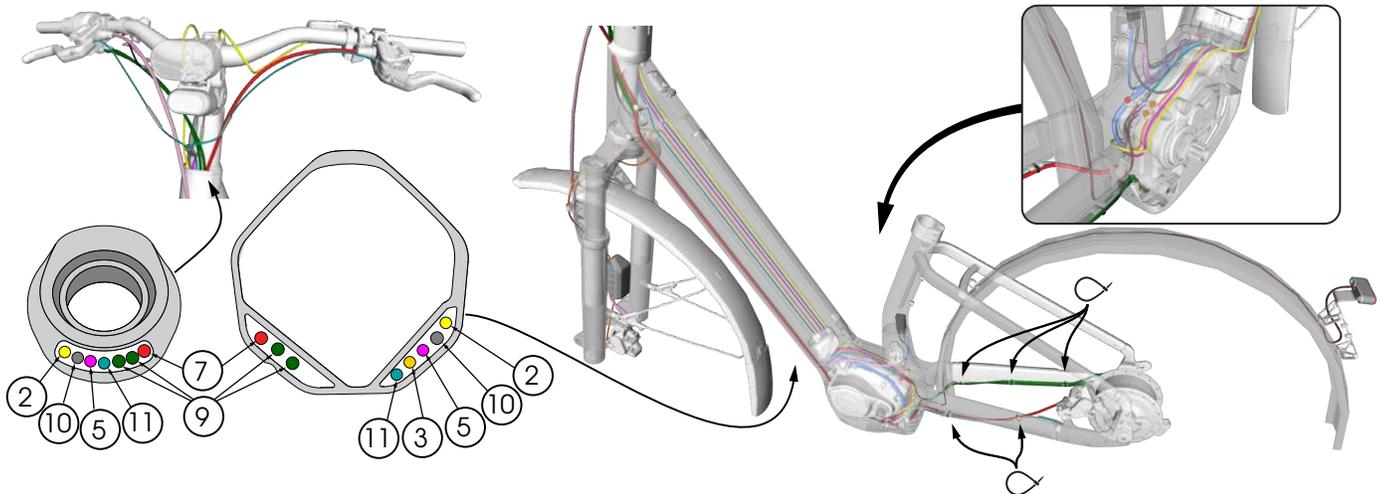
# Front light/horn/power/rear derailleur



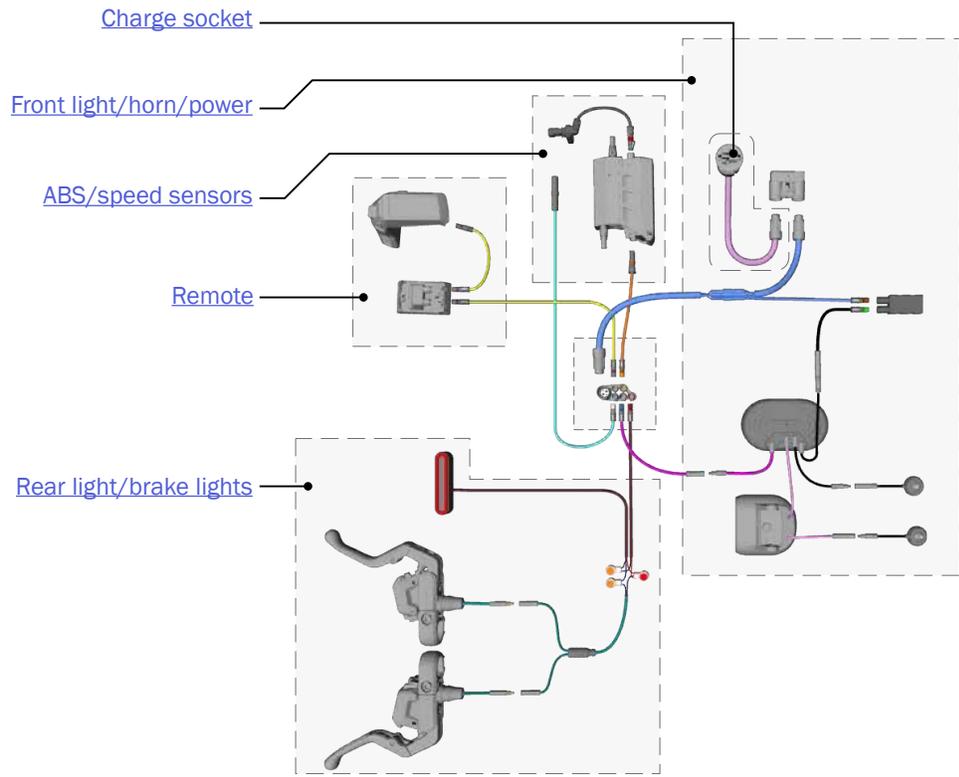
- ① ■ Battery cable/connector (450 mm) – \*EB12.120.040
- ② ■ Front light wire – U-SNPC-BS3C1300 (Supernova)
- ③ ■ Di2 cable – EW-PS300 (Shimano)
- ④ Switch holder – W5340149
- ⑤ Horn switch – W5340148
- ⑥ Horn – 5,344,682
- ⑦ High beam switch – W5340147
- ⑧ Front light – 5344683
- ⑨ ■ Light power cable – W-SNPC-LPP1300 (Supernova)
- ⑩ Battery adapter – \*EB12.100.015
- ⑪ Connectors – \*EB11.200.09Z

\*Bosch part number

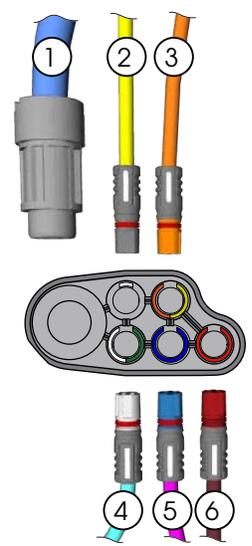
# Routing overview



# Wiring diagram



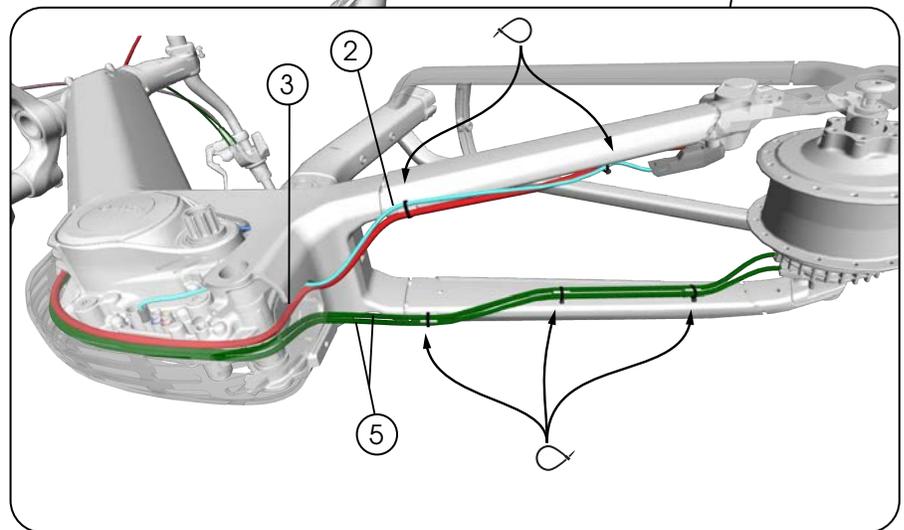
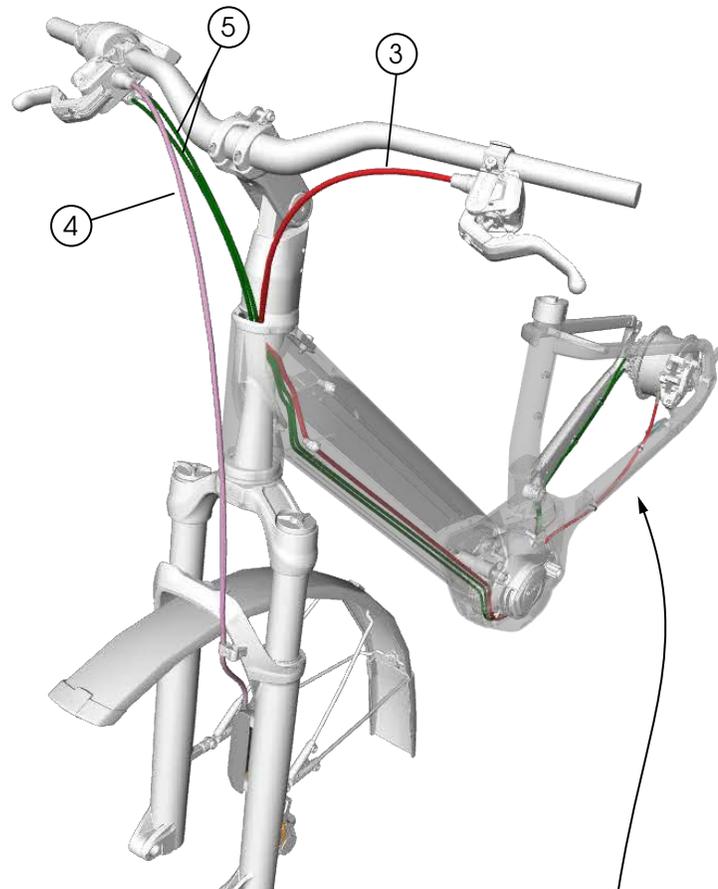
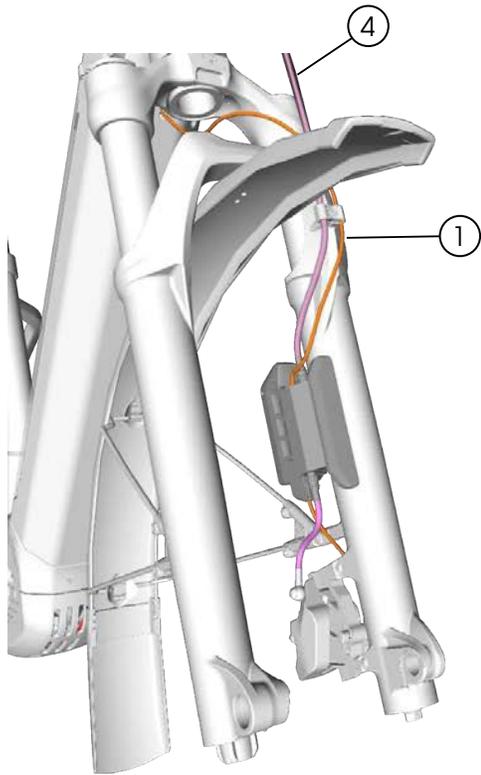
## Drive unit



- ① ■ Battery cable/connector (400 mm) - \*EB12.120.03Y
- ② ■ HMI cable (1,500 mm) - \*EB12.120.005
- ③ ■ ABS cable - \*EB12.120.004
- ④ ■ Speed sensor/cable - \*EB11.200.011
- ⑤ ■ Front light wire - U-SNPC-BS3C1300 (Supernova)
- ⑥ ■ Rear light cable (1,400 mm) - \*EB12.120.00F
- ⑦ ■ Rear brake hose
- ⑧ ■ Front brake hose
- ⑨ ■ Shift cables
- ⑩ ■ Light power cable - W-SNPC-LPP1300 (Supernova)
- ⑪ ■ Brake light cable - 2,405,013 (Magura)

\*Bosch part number

# Brake/shift

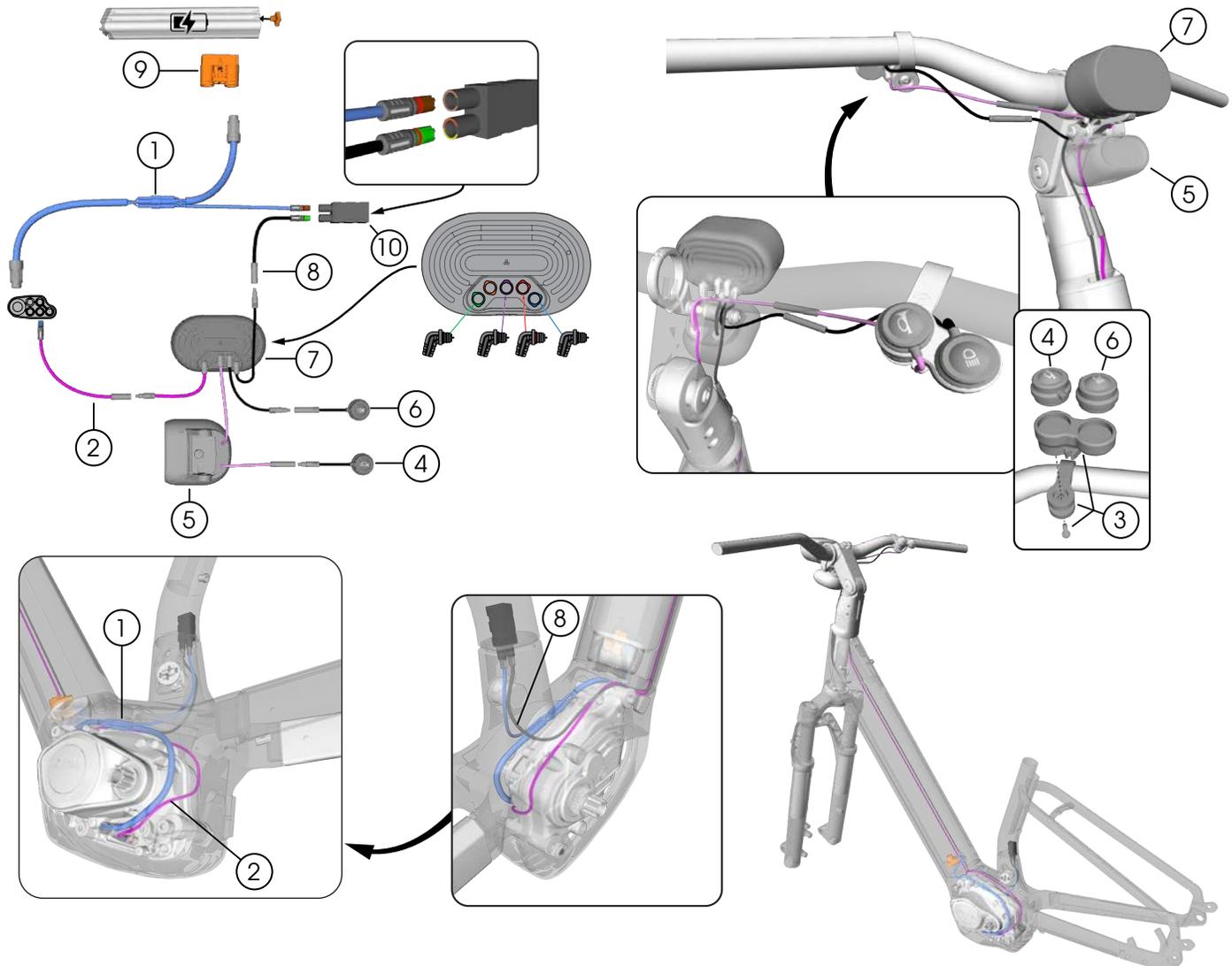


- ①  ABS cable - \*EB12.120.004
- ②  Speed sensor/cable - \*EB11.200.011
- ③  Rear brake hose

- ④  Front brake hose
- ⑤  Shift cables

\*Bosch part number

# Front light/horn/power

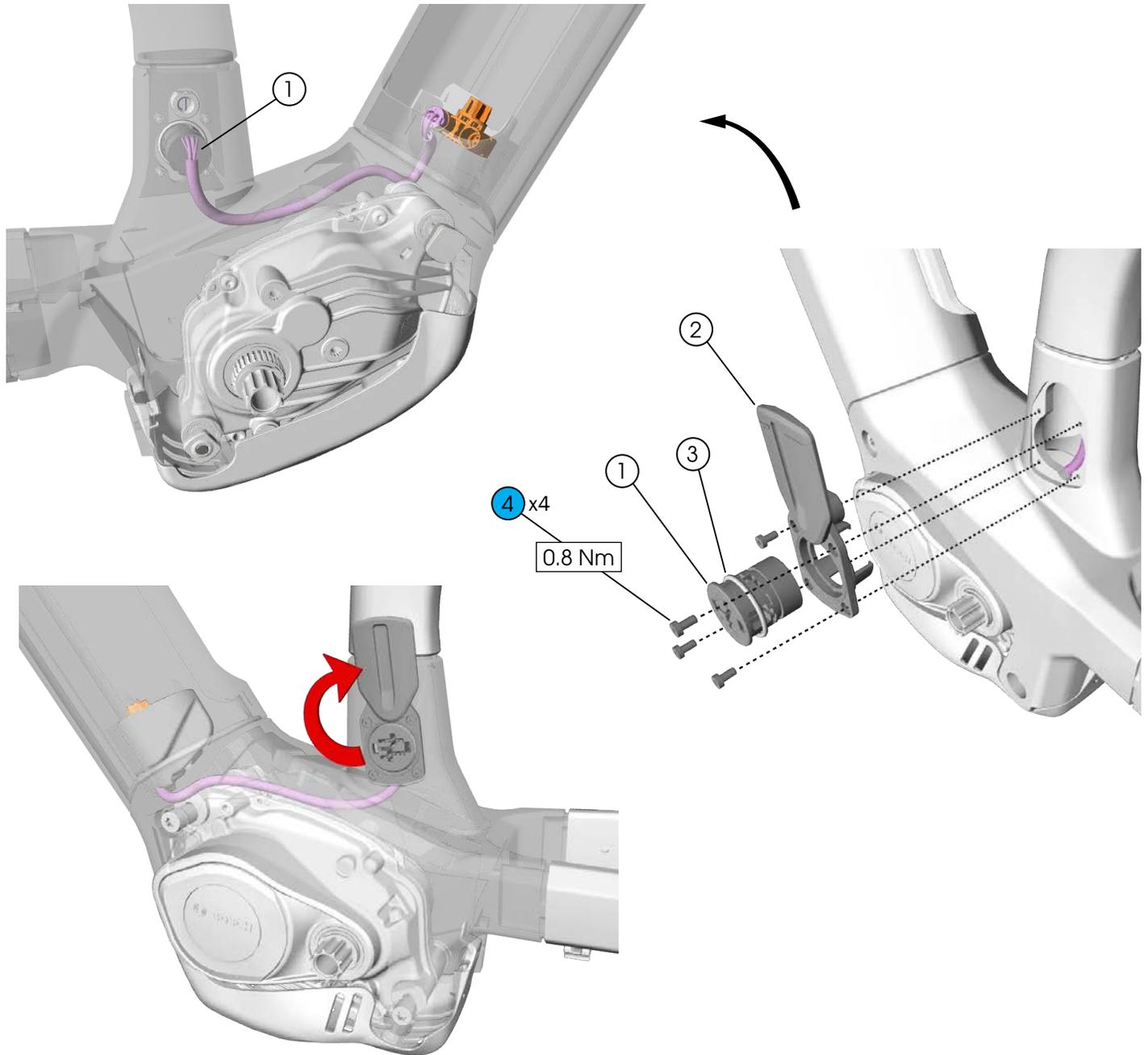


- ①  Battery cable/connector (400 mm) – \*EB12.120.03Y
- ②  Front light wire – U-SNPC-BS3C1300 (Supernova)
- ③ Switch holder – W5340149
- ④ Horn switch – W5340148
- ⑤ Horn – 5,344,682
- ⑥ High beam switch – W5340147
- ⑦ Front light – 5344683
- ⑧  Light power cable – W-SNPC-LPP1300 (Supernova)

- ⑨ Battery adapter – \*EB12.100.015
- ⑩ Connector – \*EB11.200.09Z

\*Bosch part number

# Charge socket



①  Charge socket/cable - \*EB12.120.02C

② Charge port - W5307772

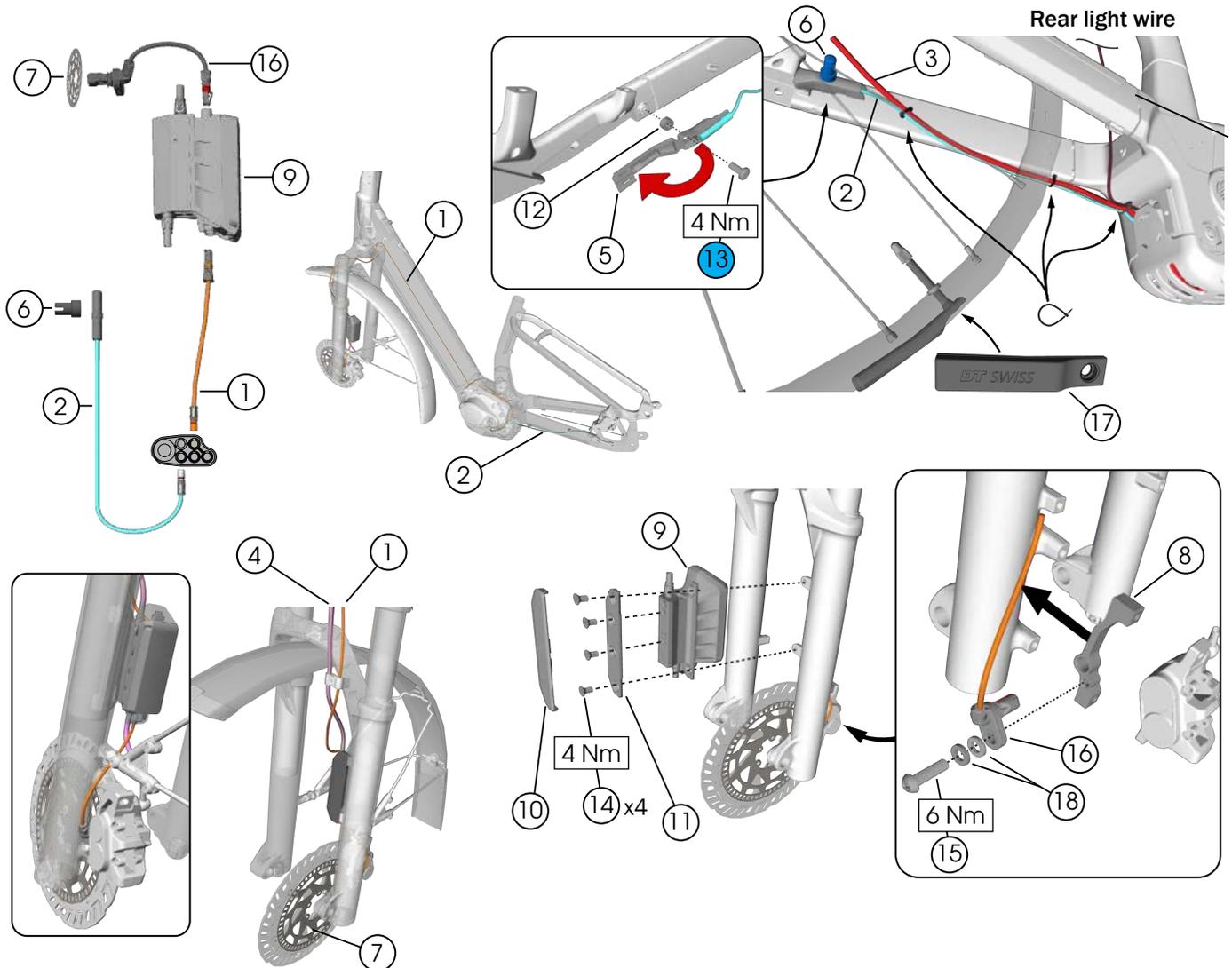
③ O-ring - \*EB12.120.019

④ Fasteners (M3 x 6 mm) - W5276241



\*Bosch part number

# ABS/speed sensors

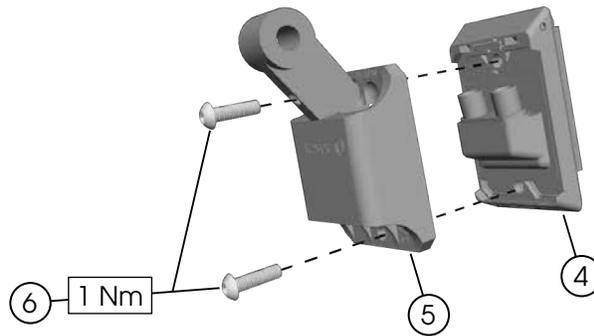
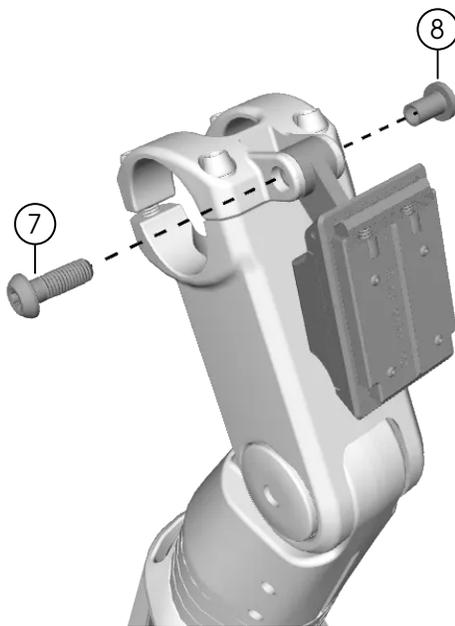
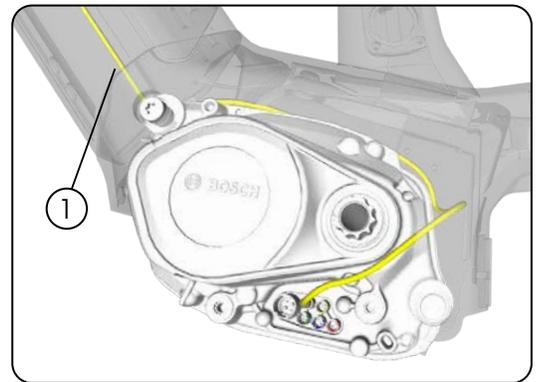
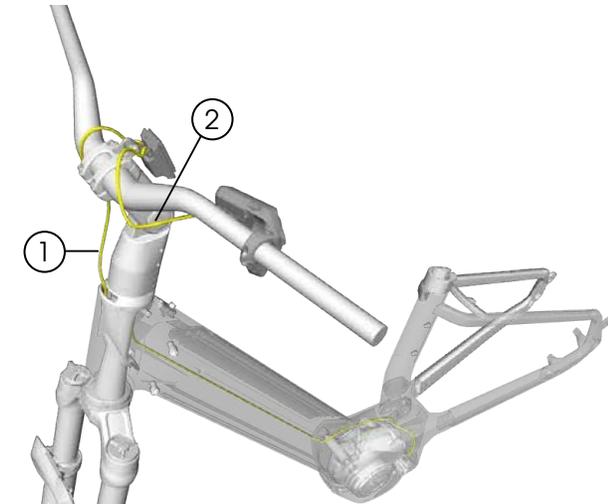
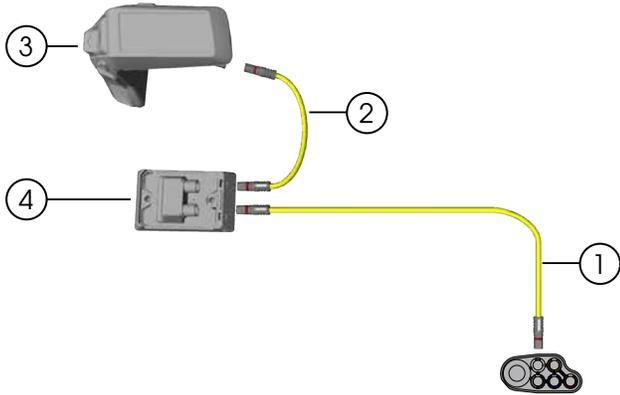


- ①  ABS cable - \*EB12.120.004
- ②  Speed sensor/cable - \*EB11.200.011
- ③  Rear brake hose
- ④  Front brake hose
- ⑤ Speed sensor adapter - \*EB11.200.016
- ⑥ Spoke magnet (rear) - \*EB11.120.000
- ⑦ Speed sensor ring - 2702701 (Magura)
- ⑧ Caliper adapter - 2500253 (Magura)
- ⑨ ABS control unit - \*EB11.110.000
- ⑩ Mounting plate cover - \*EB1120000B

- ⑪ Mounting plate - \*EB1120000A
- ⑫ Spacer (5 mm)
- ⑬  Fastener (M4 x 10 mm) - 5317308  ⑬
- ⑭ Fasteners (M5 x 8 mm) - \*EB11.200.00C  T20
- ⑮ Fastener (M6 x 20 mm)  T25
- ⑯ ABS speed sensor (175 mm) - \*0265.011.615
- ⑰ Rim magnet (rear) - W5346200
- ⑱ Washers (M6)

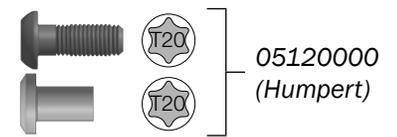
\*Bosch part number

# Remote

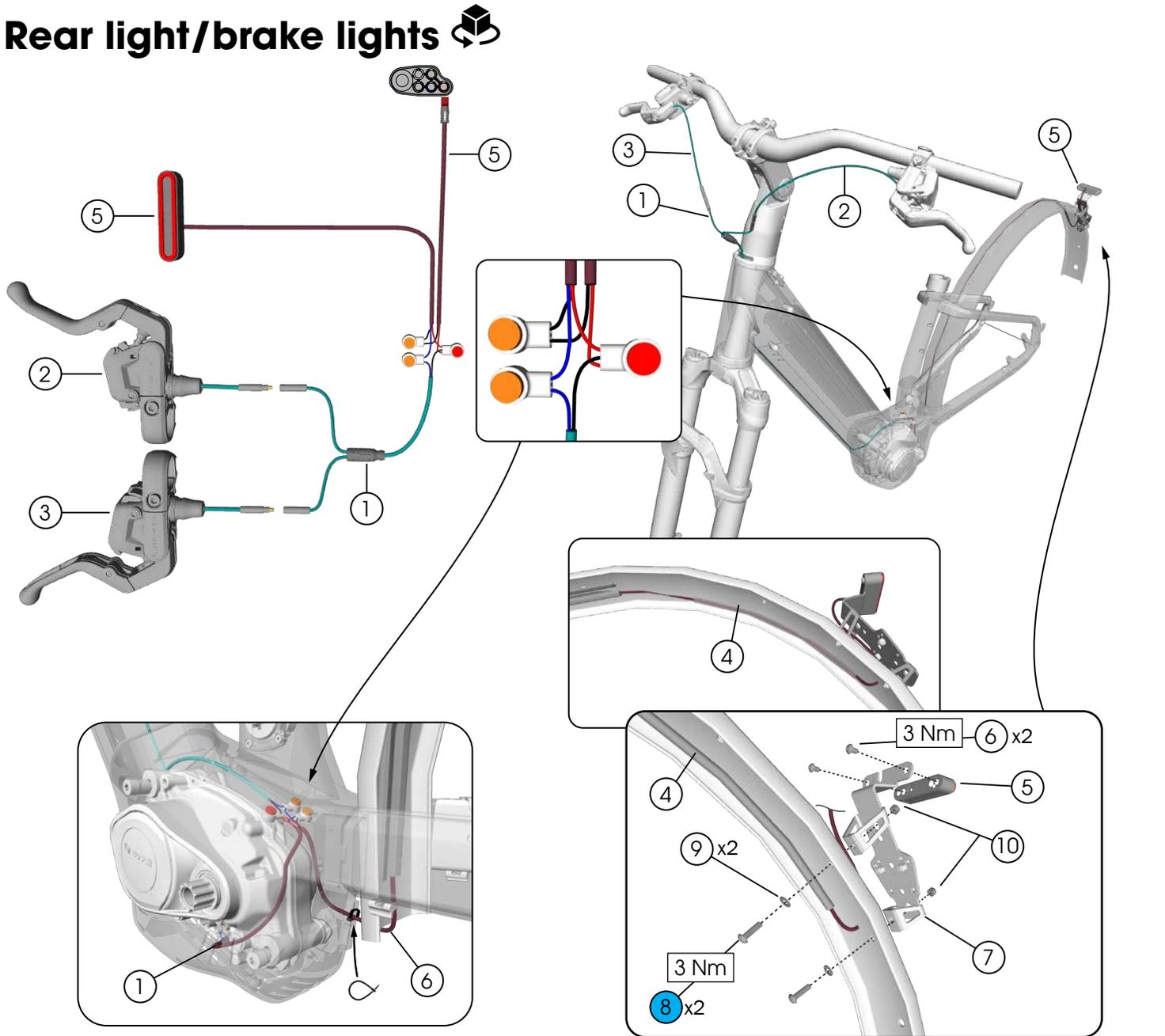


- ①  HMI cable (1,500 mm) - \*EB12.120.005
- ②  HMI cable (250 mm) - \*EB12.120.00B
- ③ Remote - \*EB13.200.00B
- ④ Display interface - \*EB13.100.009
- ⑤ Display adapter - 6031301 (Ergotec)
- ⑥ Fastener (M3 x 10 mm) 

- ⑦ Fastener 
  - ⑧ Rivet nut 
- \*Bosch part number



# Rear light/brake lights

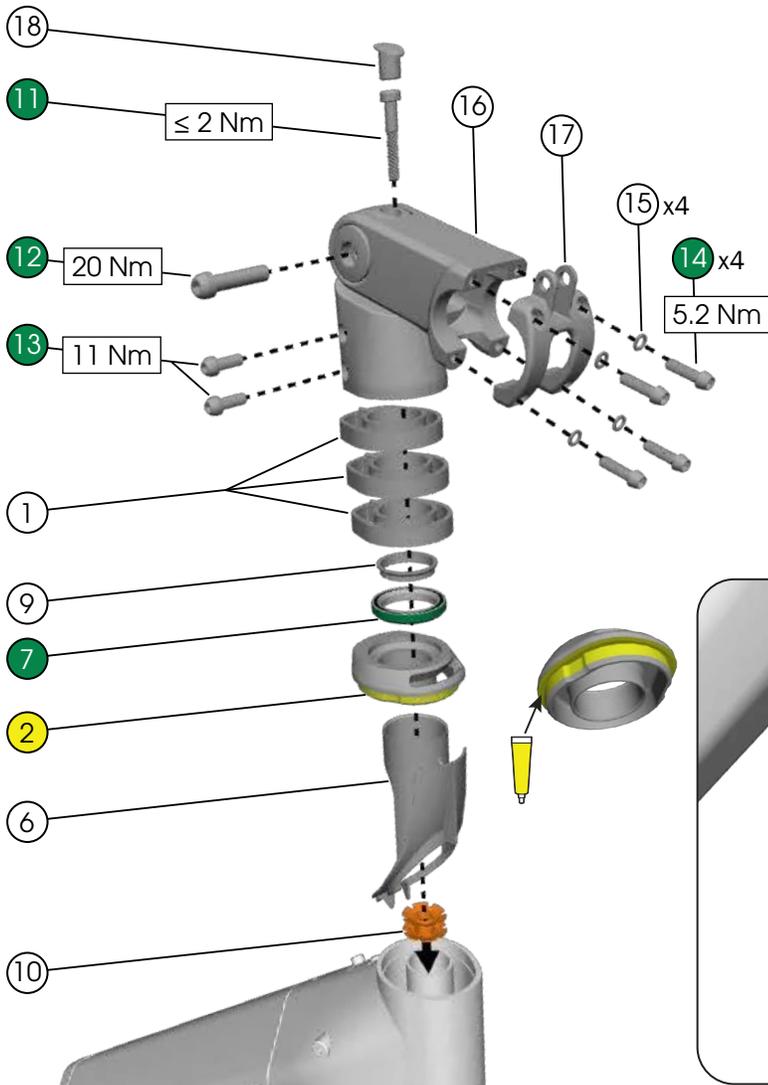


- ① Brake light cable - 2405013 (Magura)
  - ② Brake lever/cable, left
  - ③ Brake lever/cable, right
  - ④ Cable guide - 5344901
- } 2007683 (Magura)

- ⑤ Rear light/cable (1,400 mm) - \*EB12.120.00F
  - ⑥ Fasteners (M4 x 6 mm) 
  - ⑦ Licence plate holder
  - ⑧ Fasteners (M4 x 14 mm) 
  - ⑨ Washers (M4) 
  - ⑩ Lock-nuts (M4) 
- } X-UL1EK-12V-02 (Supernova)

\*Bosch part number

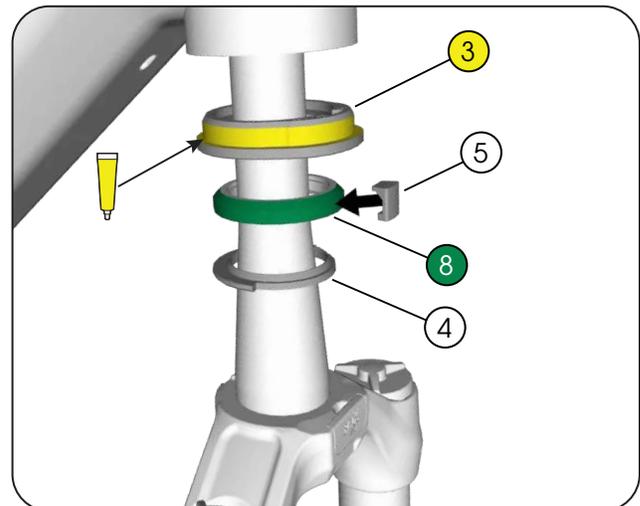
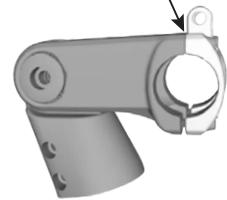
# Headset



Tighten both top fasteners first



No gap



- ① Spacers (10 mm)
  - ② Headset cup, upper
  - ③ Headset cup, lower
  - ④ Crown race
  - ⑤ Knock block
  - ⑥ Cable guide
  - ⑦ Headset bearing, upper (28.6 mm/1 1/8") - W531676
  - ⑧ Headset bearing, lower (38.1 mm/1.5") - W532843
  - ⑨ Compression ring - W532842
  - ⑩ Compression nut (28.6 mm/1 1/8") - 63377
- 5333324

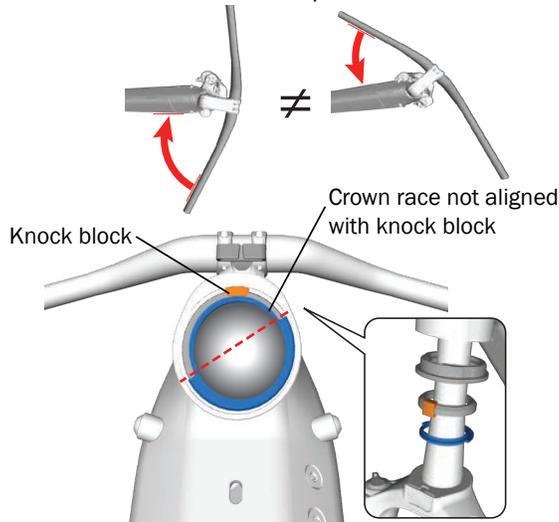
- ⑪ Fastener (M6 x 38 mm)
  - ⑫ Fastener (M8 x 35 mm)
  - ⑬ Fasteners (M5 x 18 mm)
  - ⑭ Fasteners (M5 x 18 mm)
  - ⑮ Washers (M5)
  - ⑯ Stem (\*70 mm)
  - ⑰ Face plate
  - ⑱ Plug
- \*W5329504

\*See [Trek bikes.com](http://Trek bikes.com) for all compatible stems

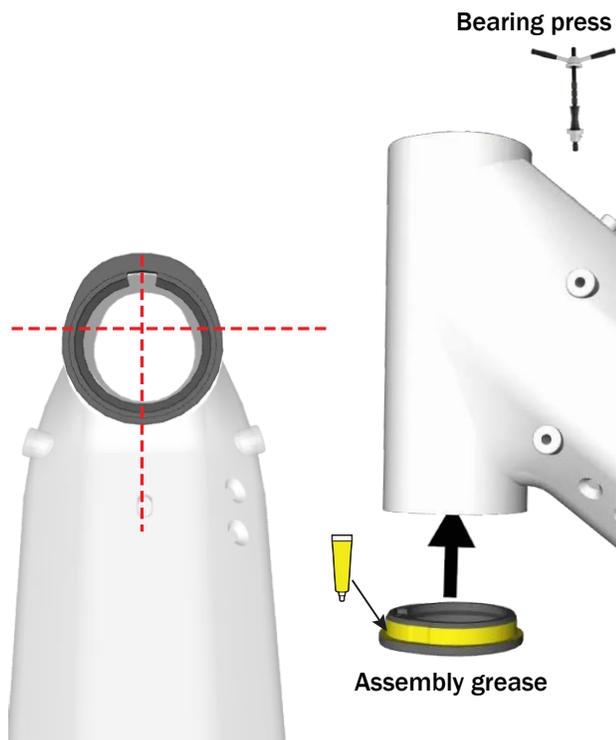
# Install the headset

## Asymmetrical steering

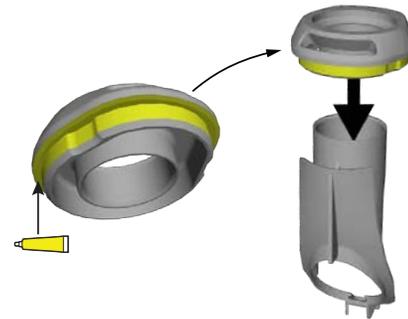
If the turning radius is asymmetrical, the knock block/crown race is not aligned and you must disassemble the lower headset and follow steps 6 to 10.



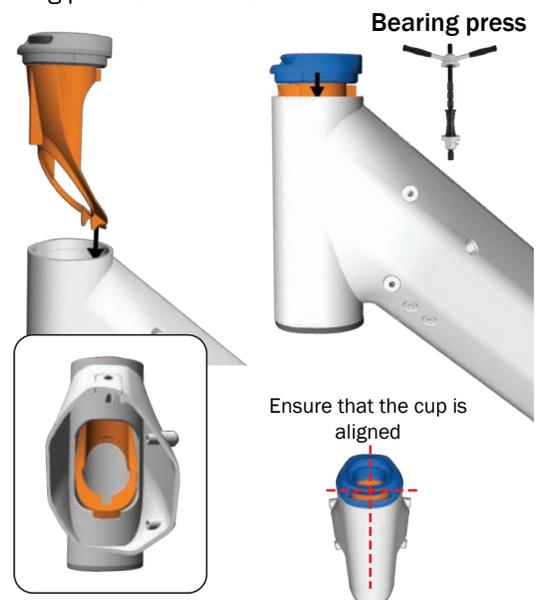
1. Apply assembly grease to the lower headset cup and use a bearing press to install it.



2. Apply assembly grease to the upper headset cup and connect it to the cable guide.

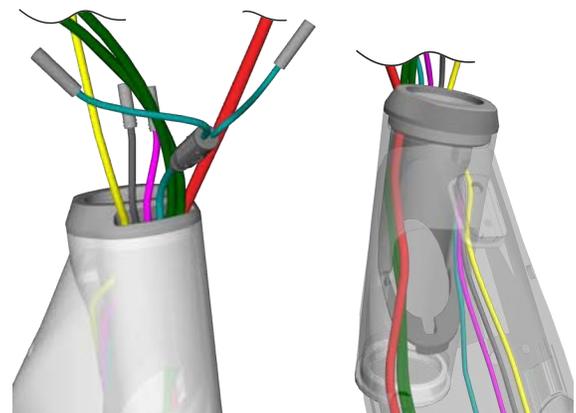


3. Insert the assembly into the head tube and use a bearing press to install it.



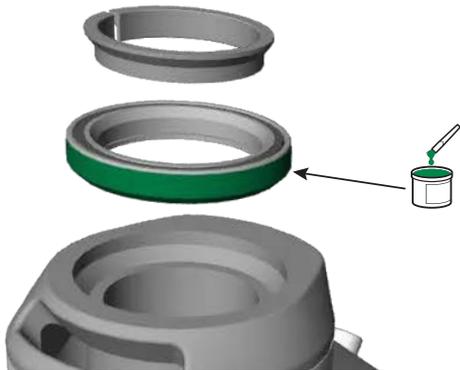
4. Route all cables through the headset. See cable routing on the Routing Overview pages:

- [Routing overview \(Trip Pro Speed\)](#)
- [Routing overview \(Style Speed\)](#)

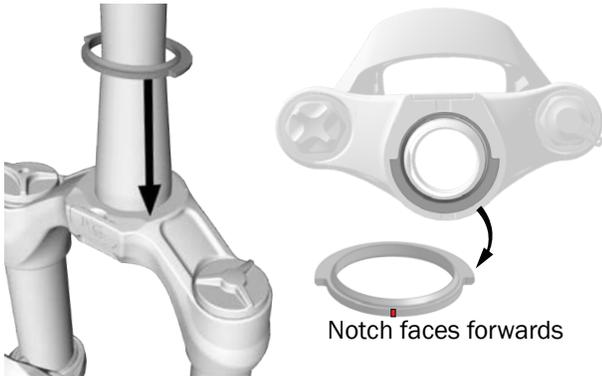


## Install the headset (continued)

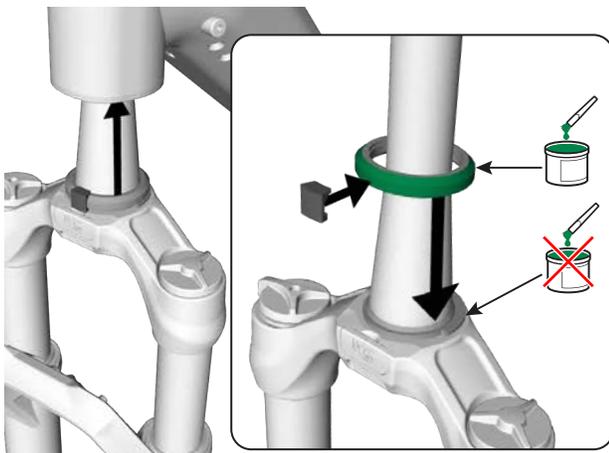
- 5.** Grease the upper bearing and insert it into the upper cup with the compression ring.



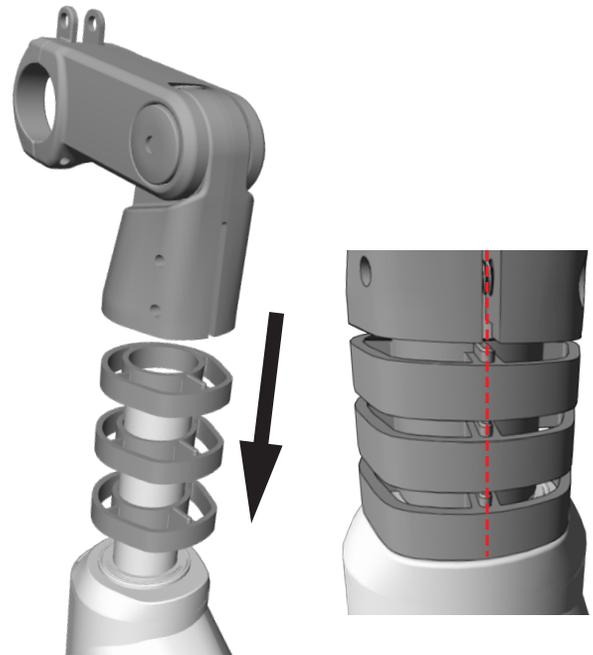
- 6.** Use a crown race setter to install the crown race onto the fork.



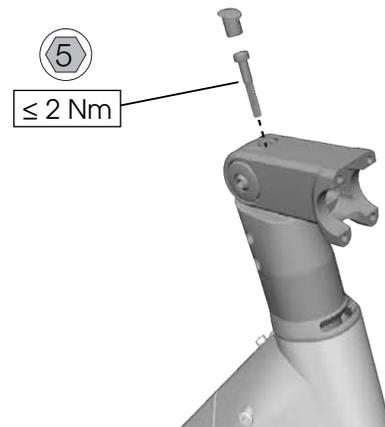
- 7.** Grease the lower bearing, assemble the knock block to the bearing and slide it onto the fork. Then insert the fork into the head tube.



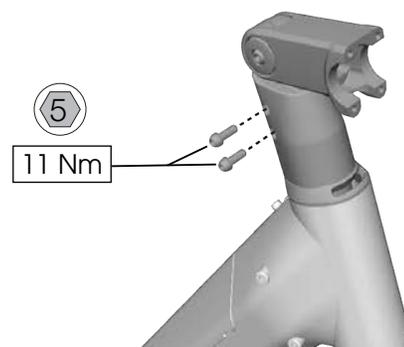
- 8.**



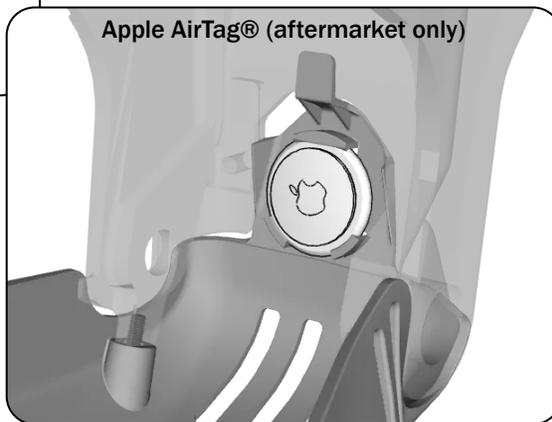
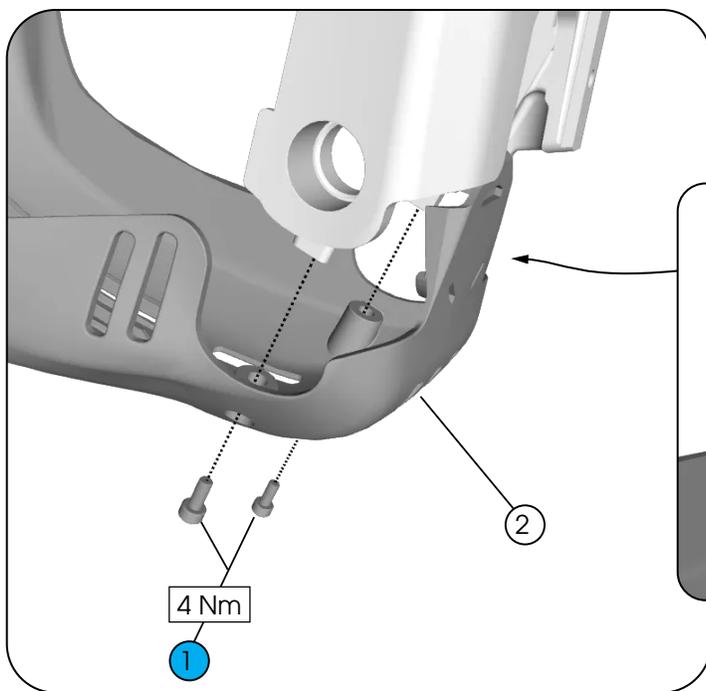
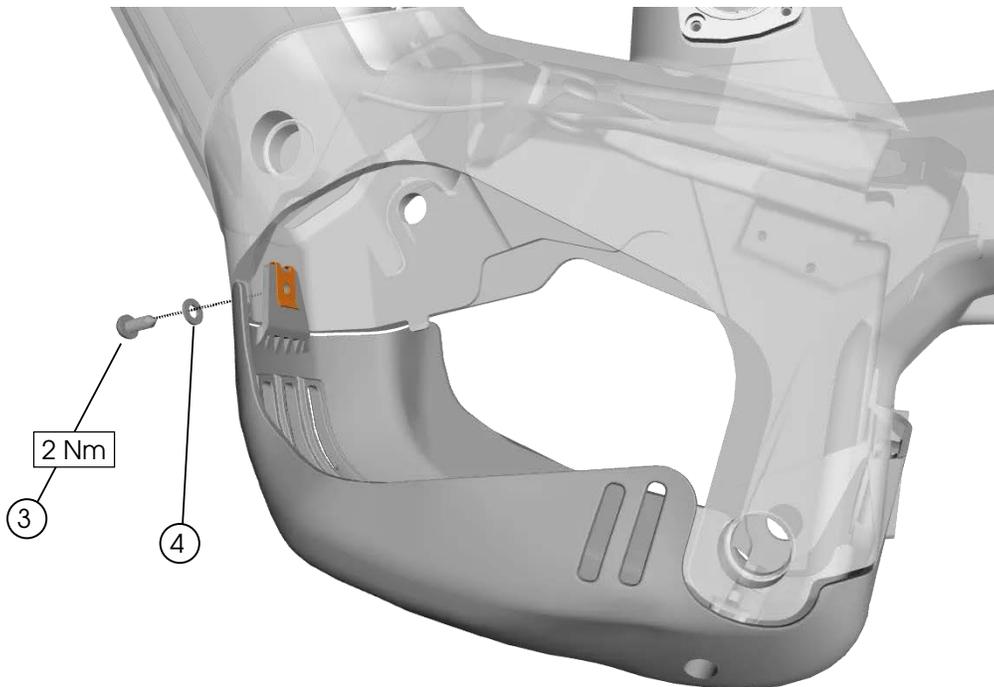
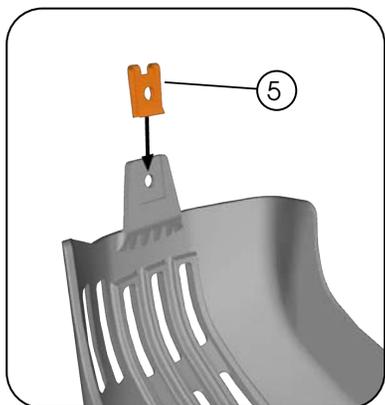
- 9.**



- 10.**



# Drive unit cover

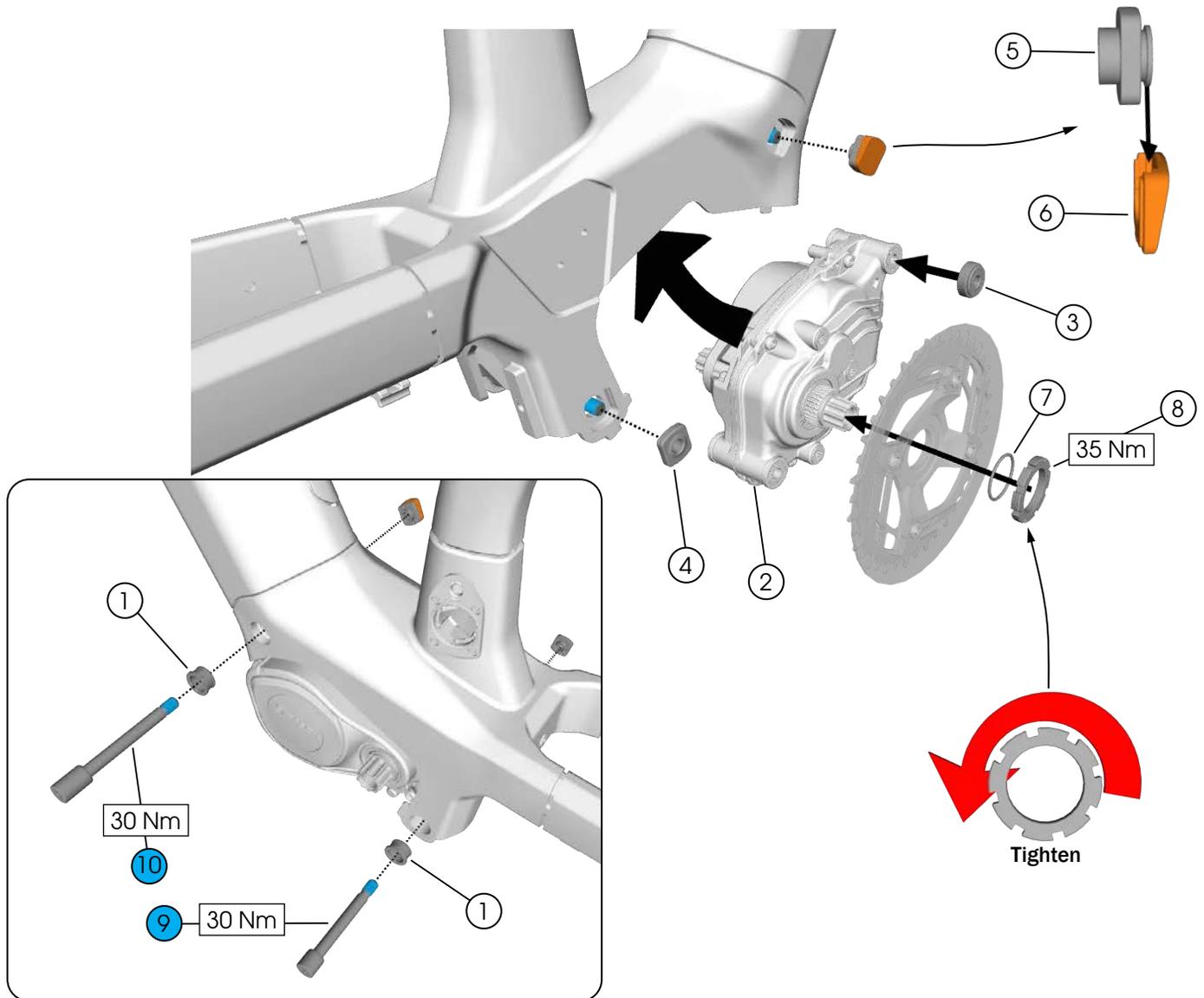


- 1 Fasteners (M4 x 10 mm)
 

  - 2 Drive unit cover - W5342014
  - 3 Tap fastener (M4.8 x 13 mm)
 

  - 4 Washer (M5)
 
  - 5 Sheet nut (M4.8)
 
- 5284548

# Drive unit

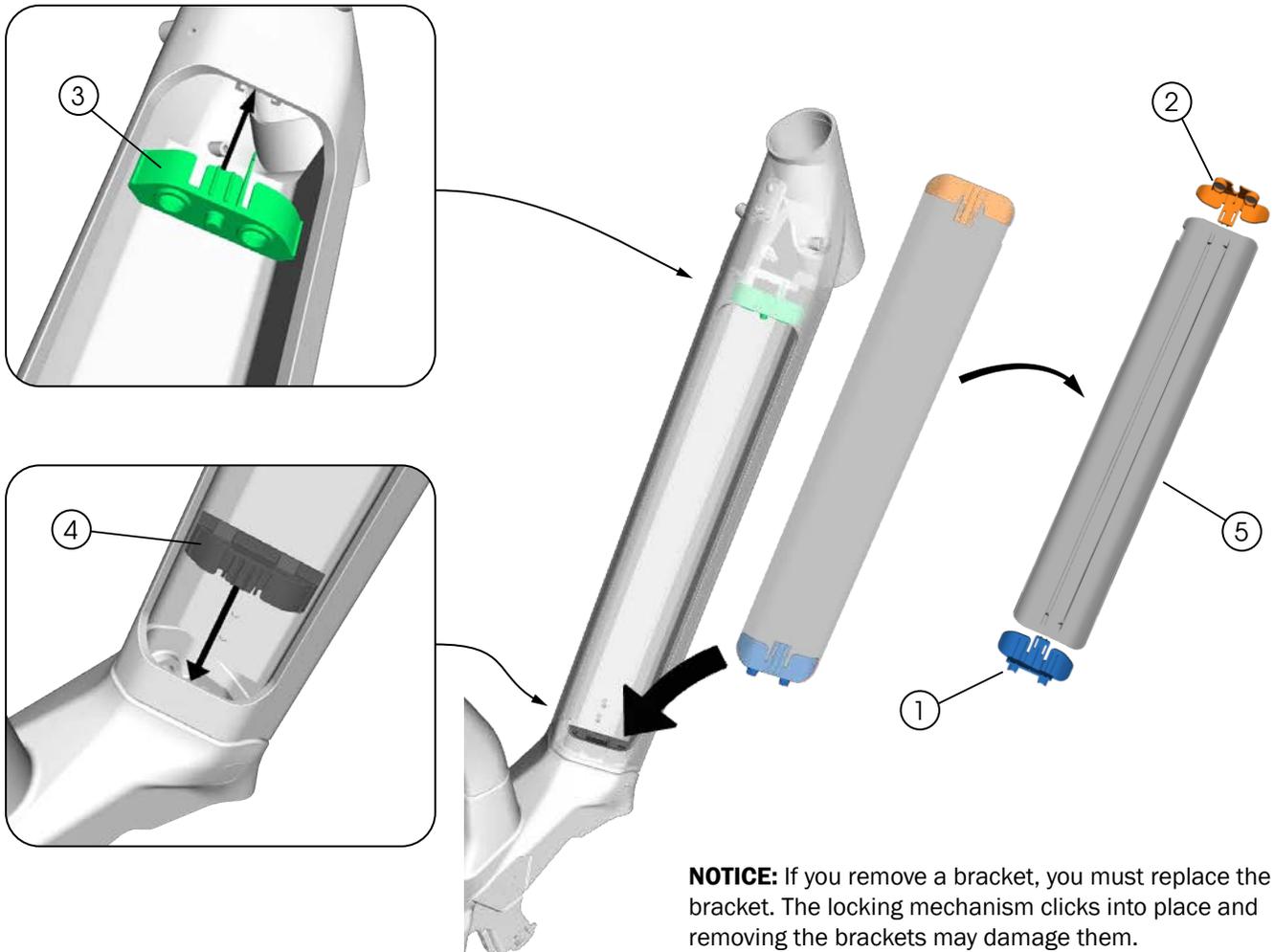


- ① Sleeves - \*EB11.200.15H
- ② Drive unit - \*EB11.100.00E
- ③ Spacer - \*EB11.200.0T9
- ④ Nut-square (M8) - \*EB11.200.03C 
- ⑨ Fastener, short (M8 x 68.7 mm) - \*EB11.200.12G 
- ⑩ Fastener, long (M8 x 75.5 mm) - \*EB11.200.15J 

- ⑤ Nut-square (M8)  } W5317916
- ⑥ Cover
- ⑦ O-ring - \*1270.016.119
- ⑧ Lockring - \*EB11.200.0JH 

\*Bosch part number

# Battery cover

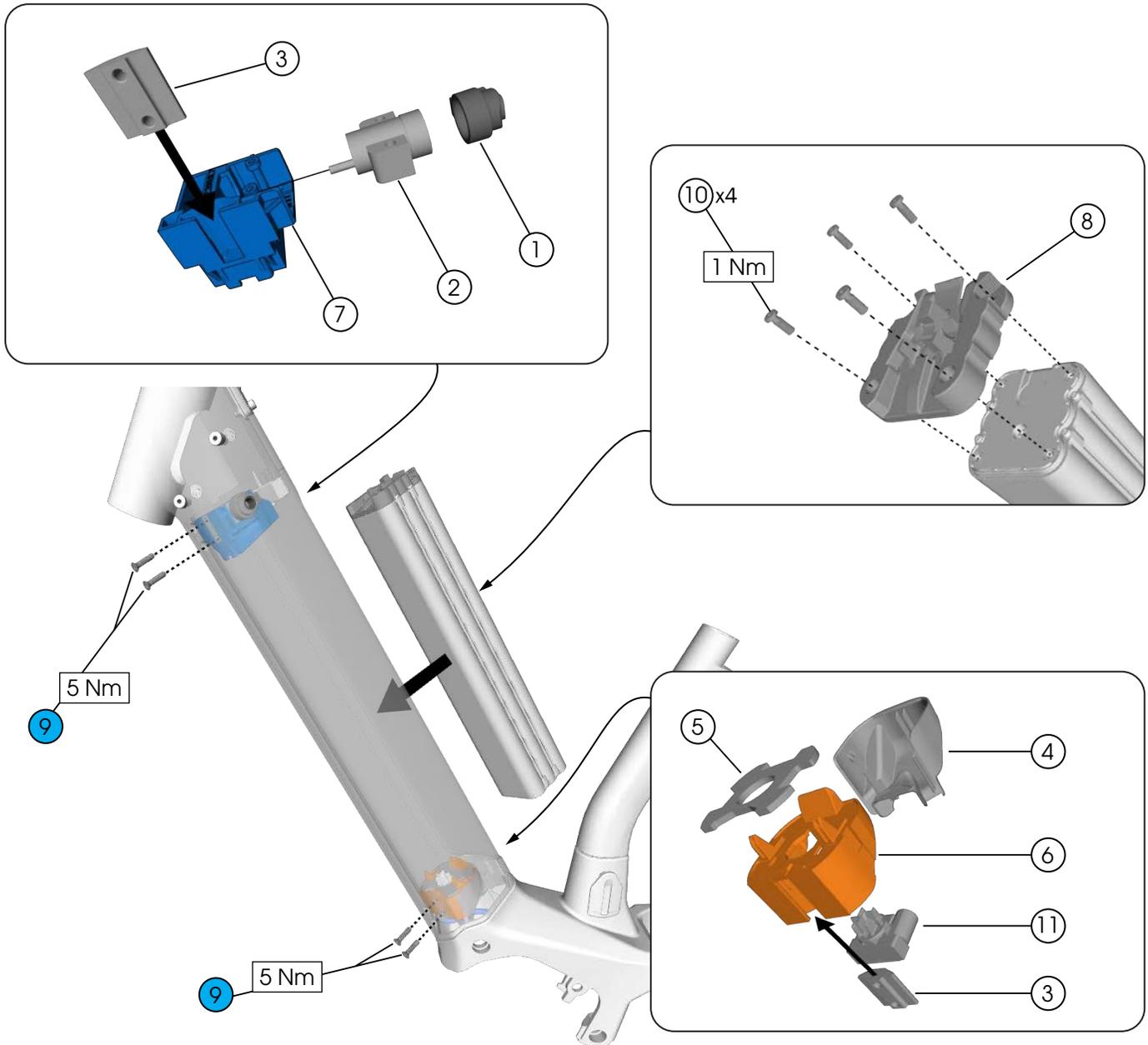


**NOTICE:** If you remove a bracket, you must replace the bracket. The locking mechanism clicks into place and removing the brackets may damage them.

- ① Bracket cover, bottom
  - ② Bracket cover, top
  - ③ Bracket, top
  - ④ Bracket, bottom
  - ⑤ Battery cover (Lehmbeige) - \*5334303
- } 5334302

\*Colour matched part – see [Trek bikes.com](http://Trek bikes.com) for full product list

# Battery assembly



① Lock grommet - W5328196

② Lock - W5331910

③ Clamping plates - \*EB12.200.OLG

④ Cap - \*EB12.200.0MF

⑤ Damper foil - \*EB12.200.OLK

⑥ Cradle - \*EB12.200.OLJ

⑦ Locking assembly - \*EB12.200.OL7

⑧ Mounting plate - \*EB12.200.OL3

⑨ Fasteners (M5 x 16 mm) - 602529



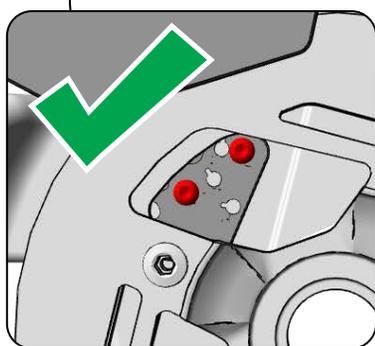
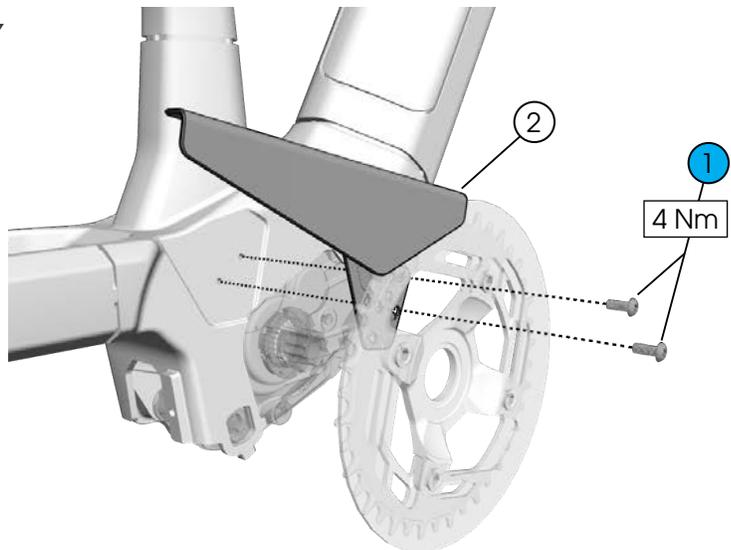
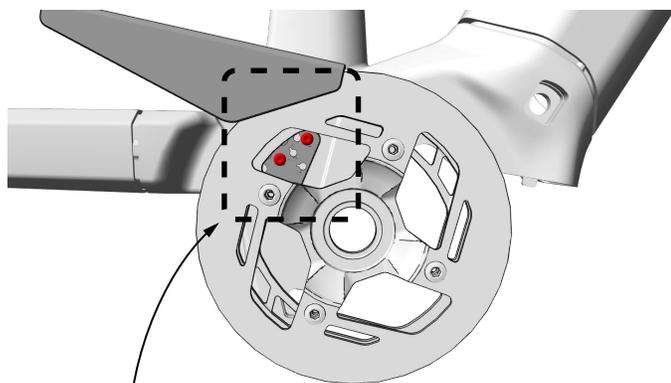
⑩ Fasteners (M4 x 8 mm) - \*F04N.002.664



⑪ Battery outlet - \*EB12.100.015

\*Bosch part number

# Chainguard

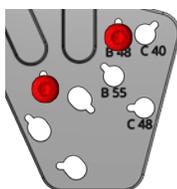


Install the guard following the fastener locations in the chart below. This will ensure that you can reach the fasteners behind the chainring.

**Style Speed**

**Belt drive**

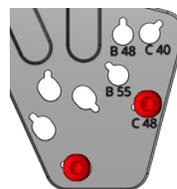
55T



**Trip Pro Speed**

**Chain drive**

48T

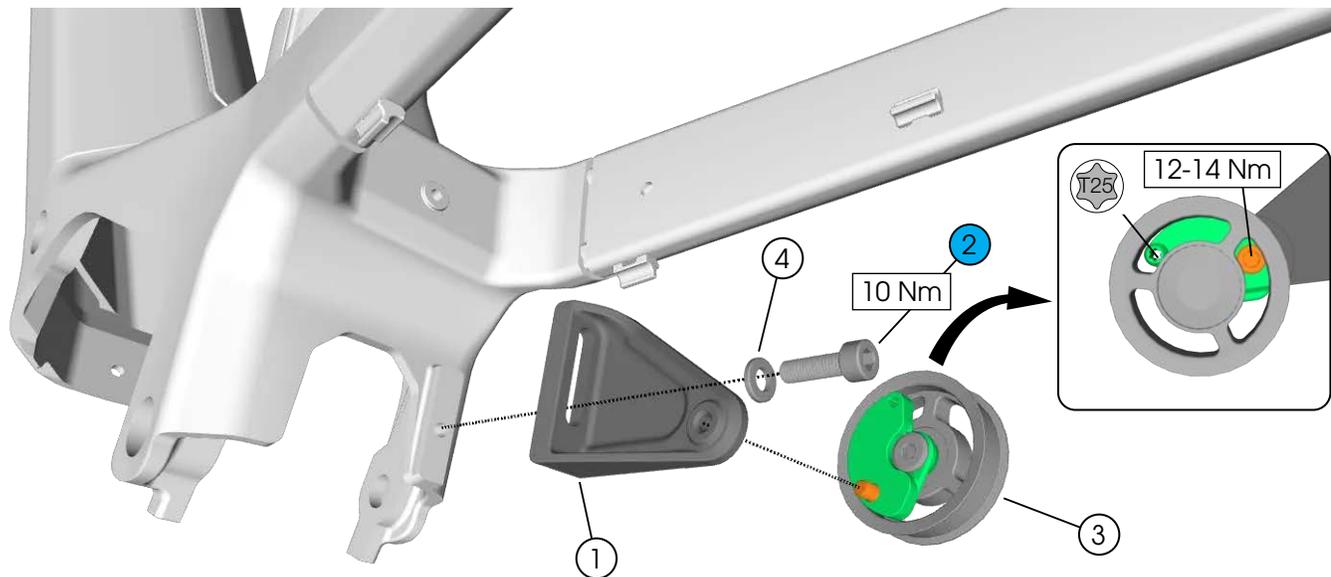


1 Fasteners (M4 x 10 mm)



2 Chain guard bracket - W5323172

# Belt tensioner



① Bracket - W5325022

② Fastener (M6 x 20 mm) - W5258524



③ Idler - \*TI-12-DS

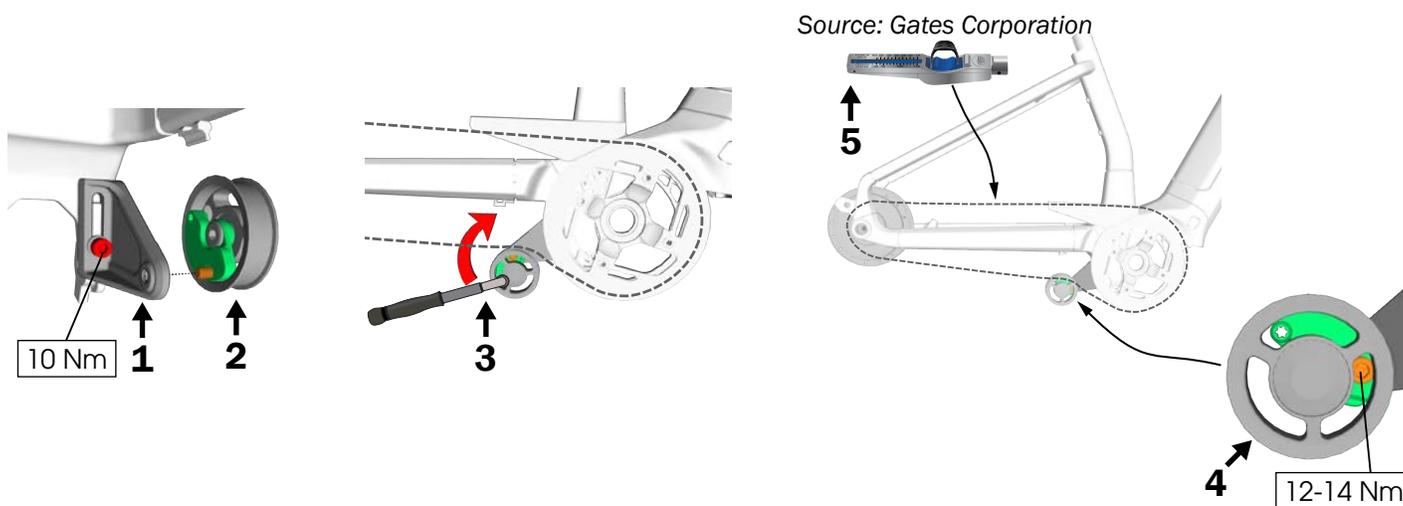
④ Washer (M6)

\*Gates part number

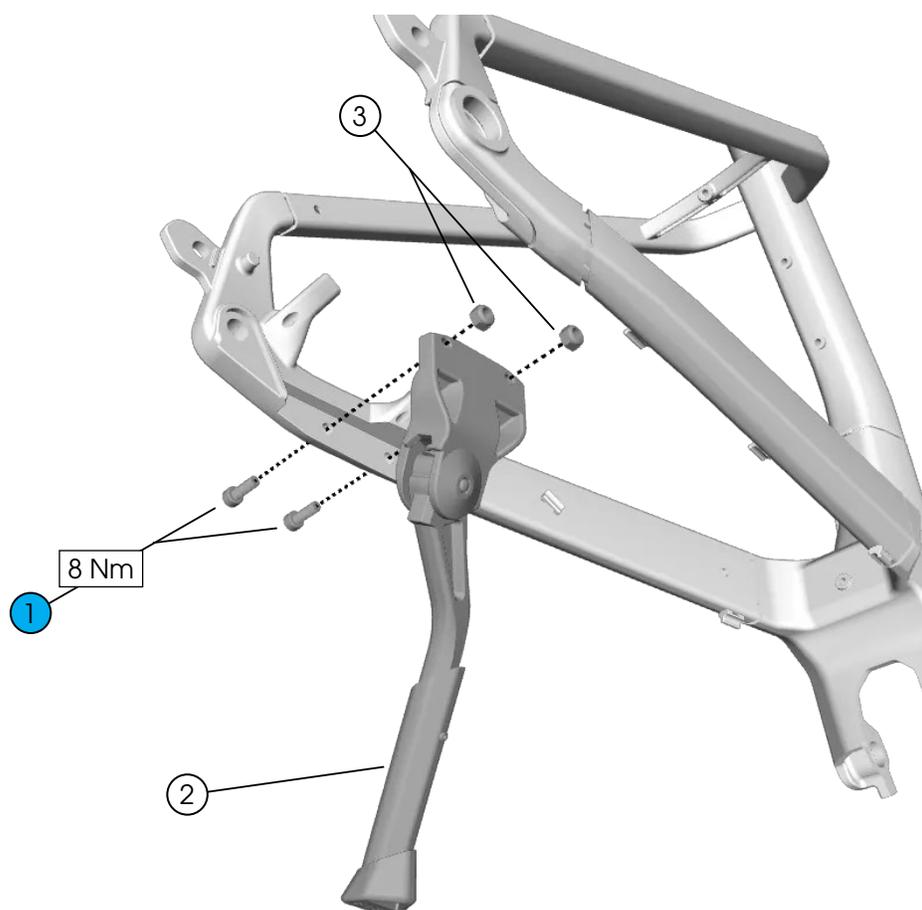
## Install

After measuring the belt tension, repeat steps 3 to 5 until you reach the desired tension. Then validate the measurement at four different crank positions.

**DESIRED BELT TENSION:** 40-55 Hz/15 kg-19 kg/32-43 lb



# Kickstand



① Fasteners (M6 x 18 mm)

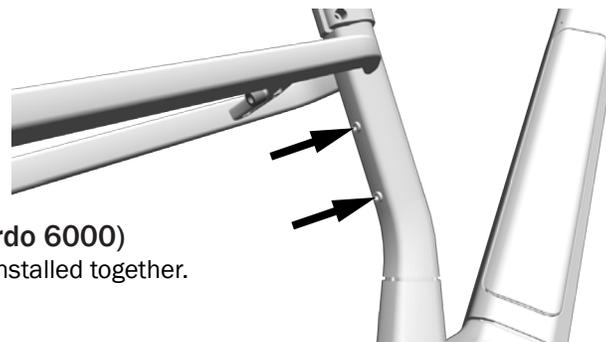
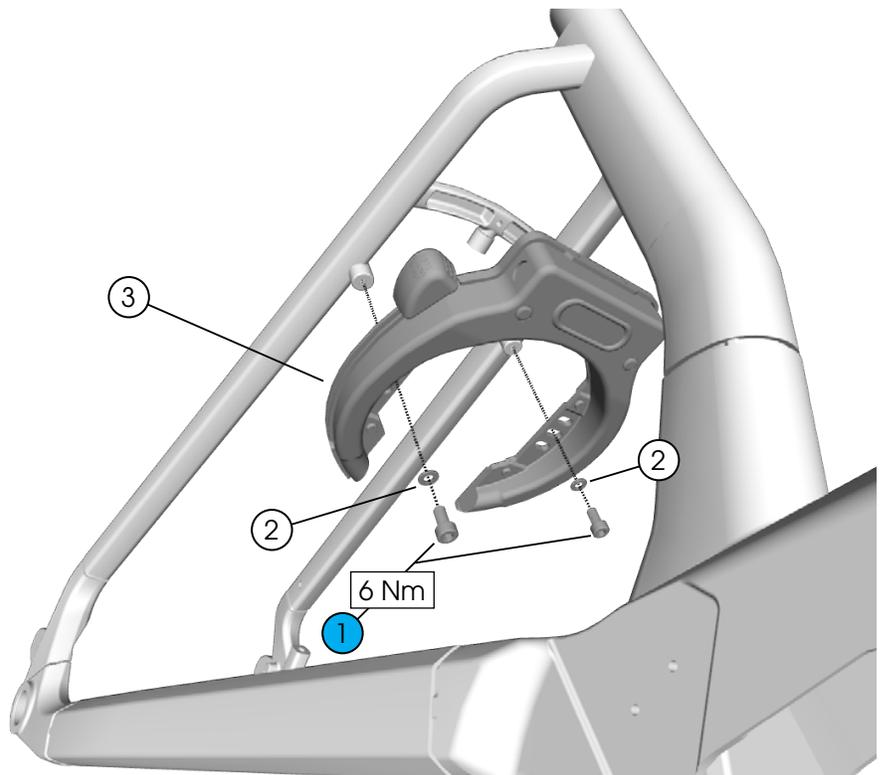
② Kickstand - 5331898

③ Lock-nuts (M6)



# Ring lock

**SOLD AFTERMARKET ONLY**



**Attach folding lock here (such as the Abus Bordo 6000)**

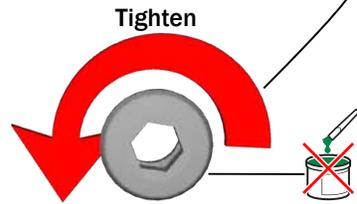
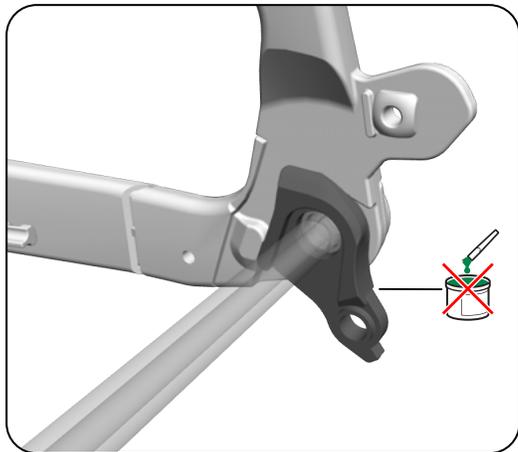
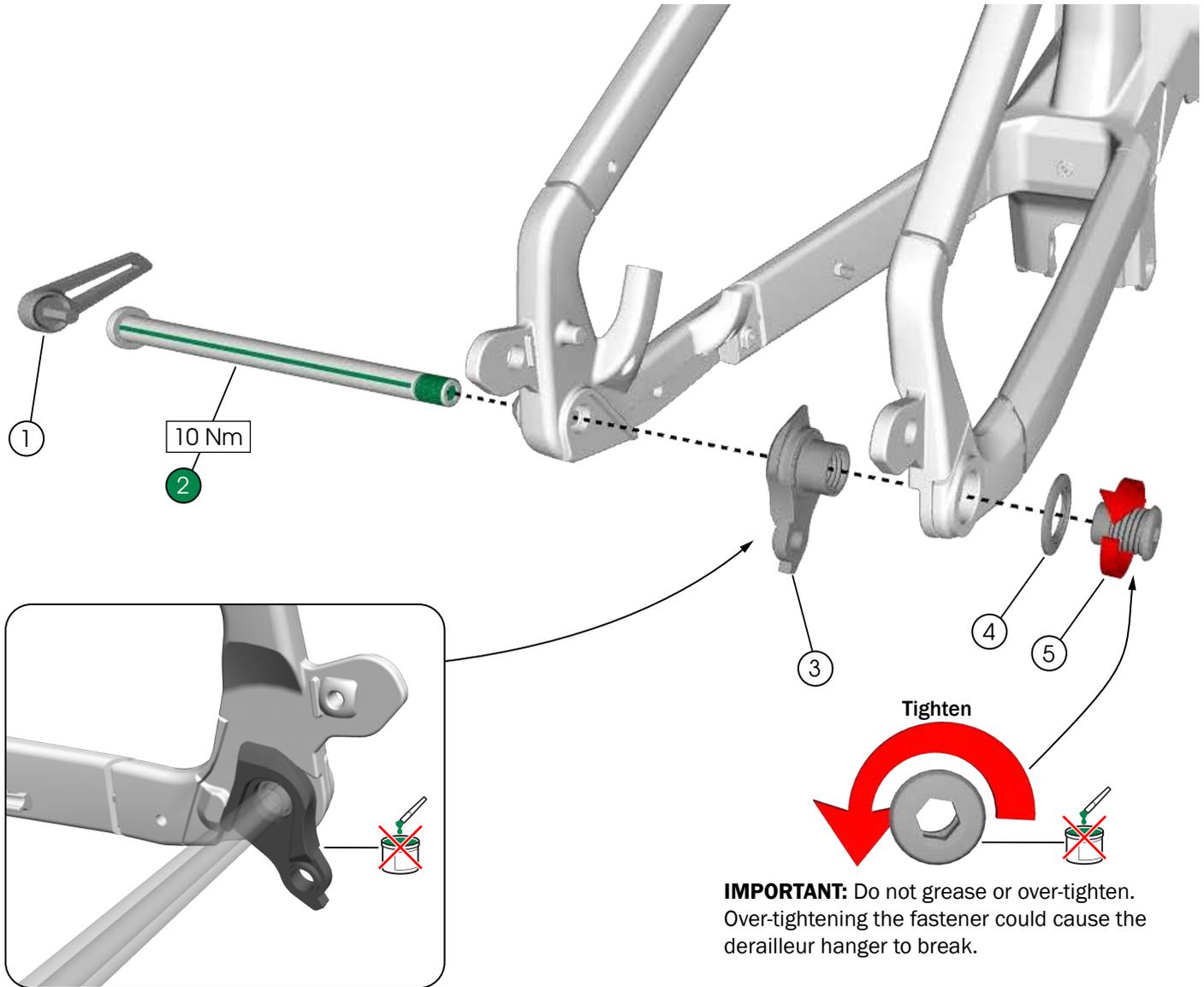
**NOTE:** You cannot have the ring lock and folding lock installed together.

**NOTE:** The folding lock is sold aftermarket only.

**NOTE:** Sizes L/XL have an additional mounting hole.

- ① Fasteners (M5 x 12 mm) - 5308514  
- ② Washers (M5) - W521137
- ③ Ring lock - 4650XL/4750XL (ABUS)

# Rear axle



**IMPORTANT:** Do not grease or over-tighten. Over-tightening the fastener could cause the derailleur hanger to break.

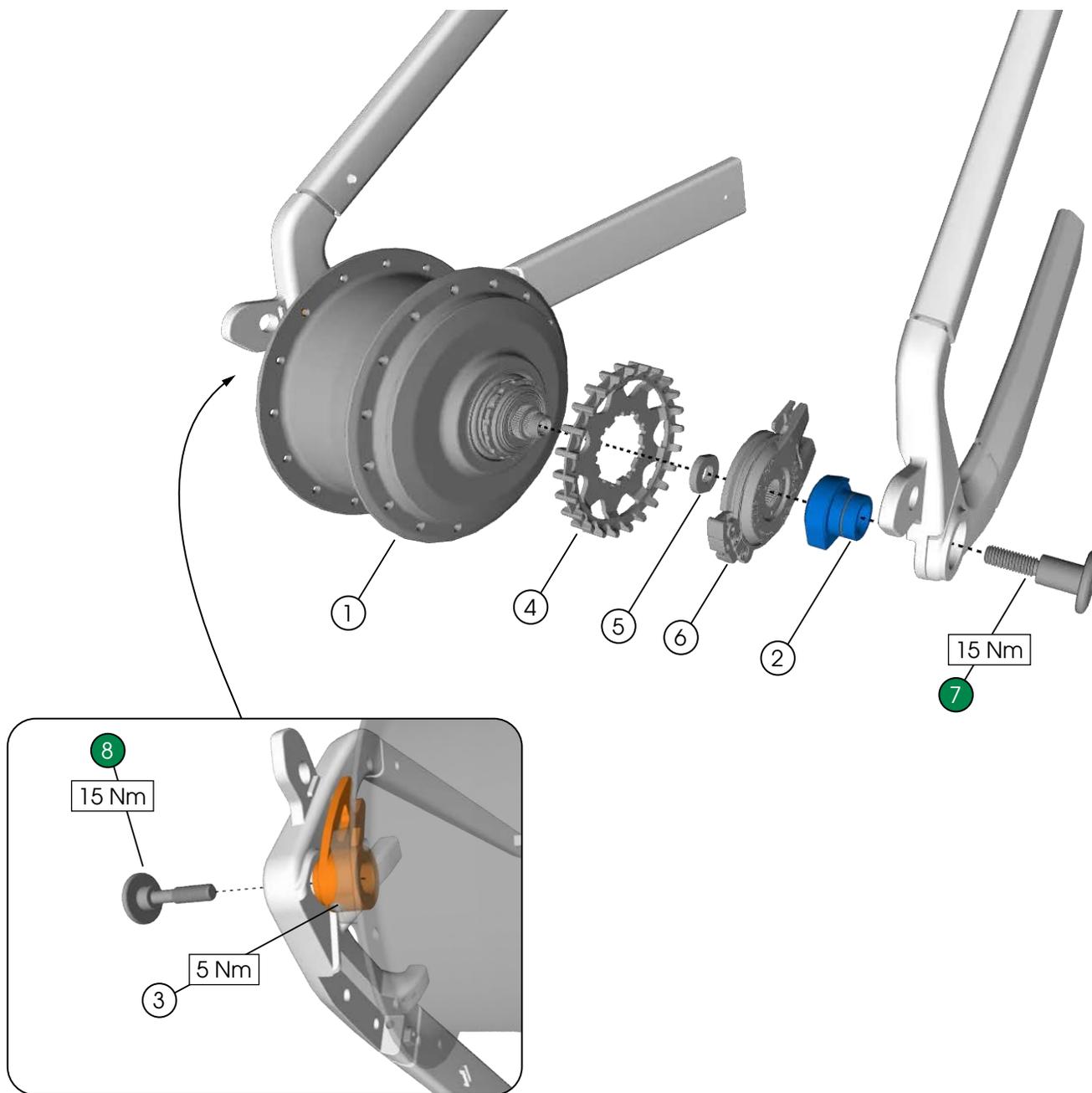
- ① Switch lever - W573860
  - ② Rear axle (M12 x 174 mm) - W600321
  - ③ Derailleur hanger
  - ④ Washer (30 mm)
  - ⑤ Fastener (M12 x 16 mm)
- ⑥

⑥

}

W5271425

# Internal gear hub

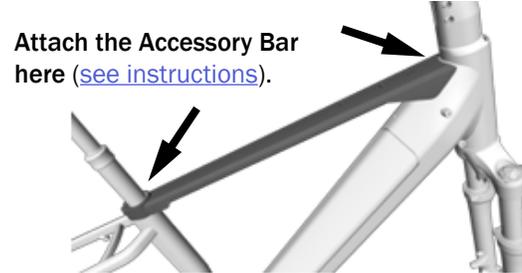
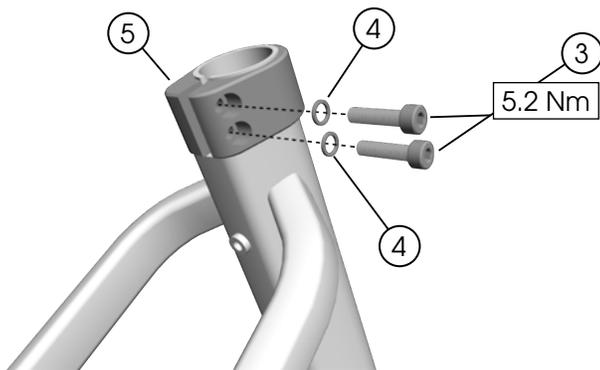
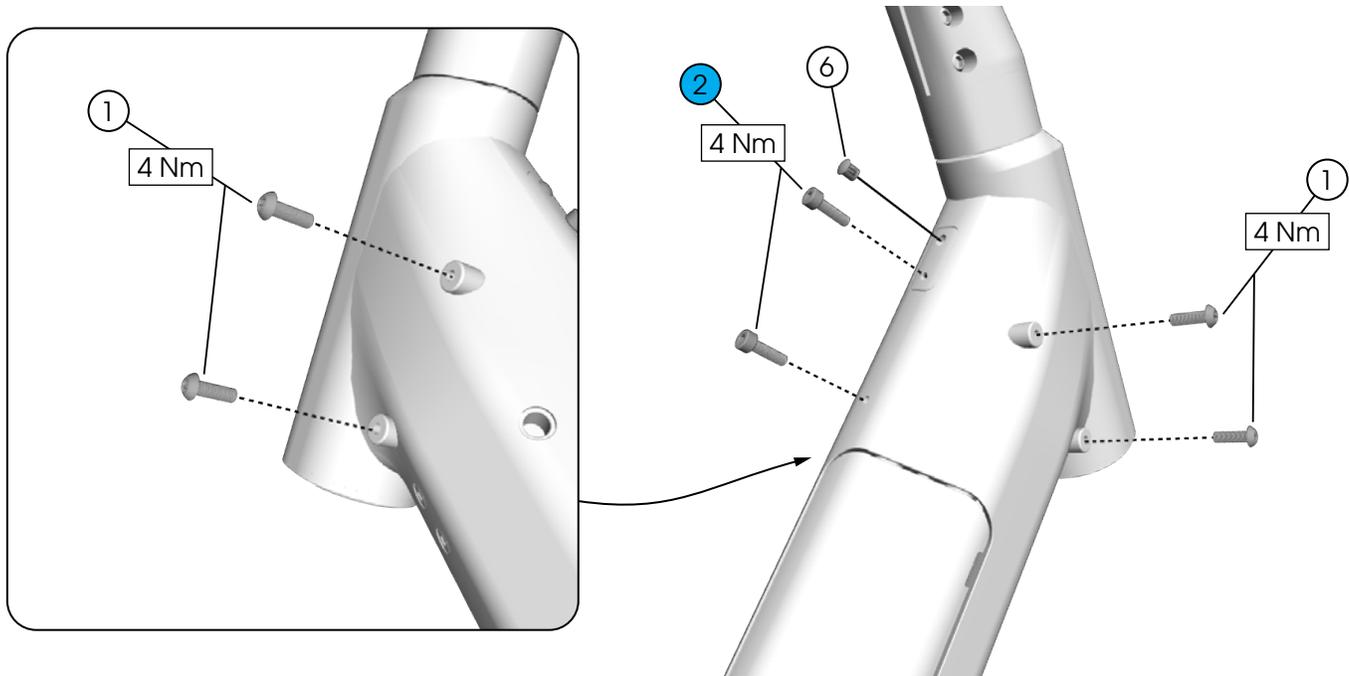


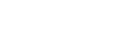
- ① Internal gear hub - \*CVP-HD-MA-32-DC -1
- ② UDH insert - \*HW-MA-INSRT-UDH
- ③ Reaction arm - \*HW-TORQ-6
- ④ Sprocket - XF112E9MN (Gates)
- ⑤ Locknut - \*HW-MA-LNUT
- ⑥ Hub interface - \*MHI-MT-40T

- ⑦ Fastener - \*HW-MA-1PC-UDH  
- ⑧ Fastener - \*HW-MA-1PC-12TA  

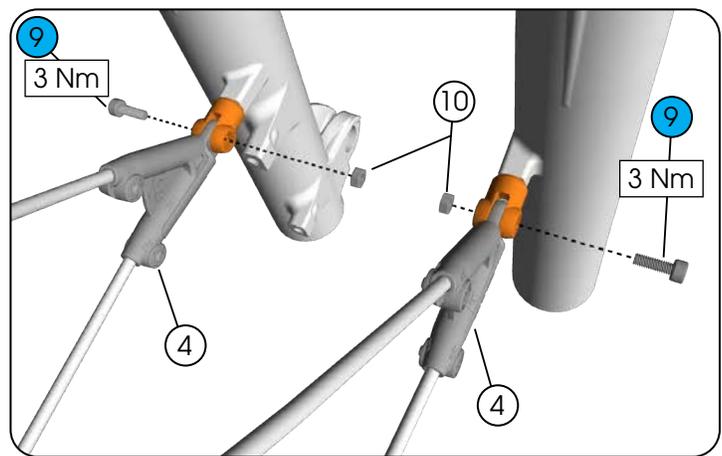
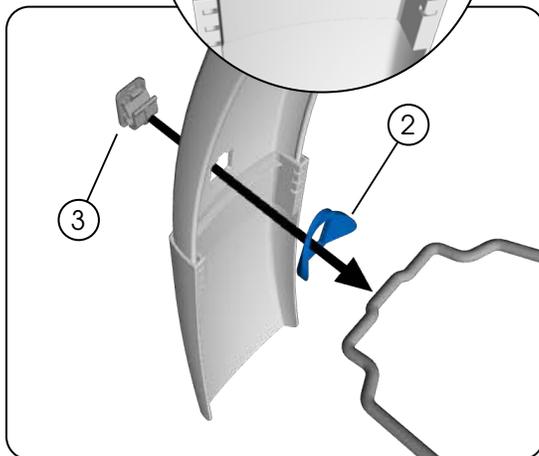
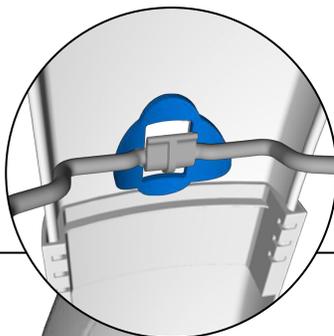
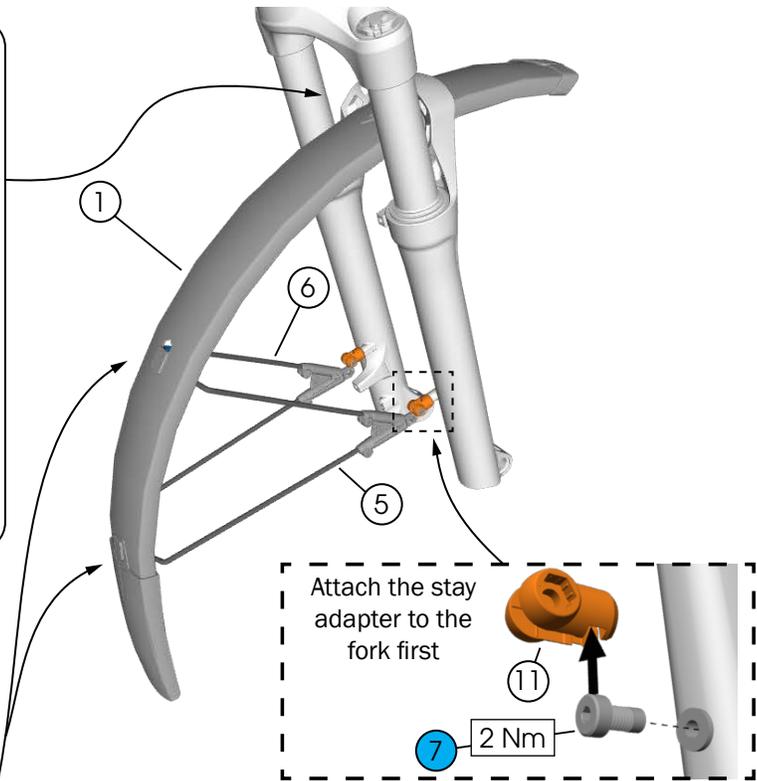
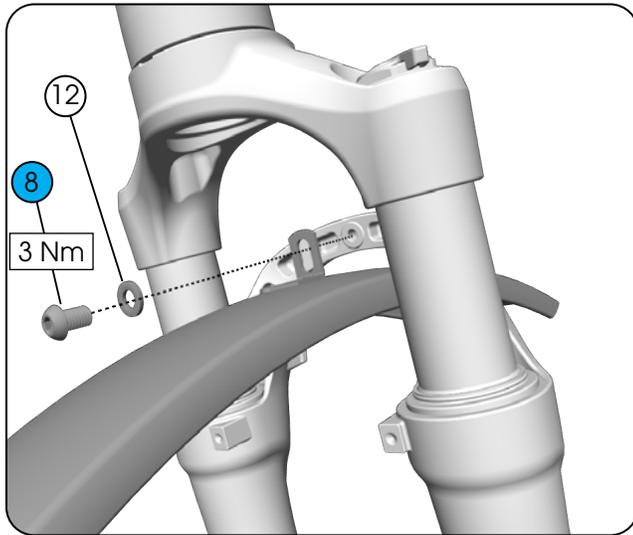
\*Enviolo part number

# Frame fasteners



- 1 Fasteners (M5 x 16 mm) – 5328801  
- 2 Fasteners (M5 x 16 mm) – \*W5252789  
- 3 Fasteners (M5 x 20 mm)  
- 4 Washers (M5) 
- 5 Seat collar – W5325704
- 6 Rivet (6.4 mm x 8 mm)

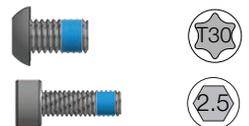
# Front mudguard



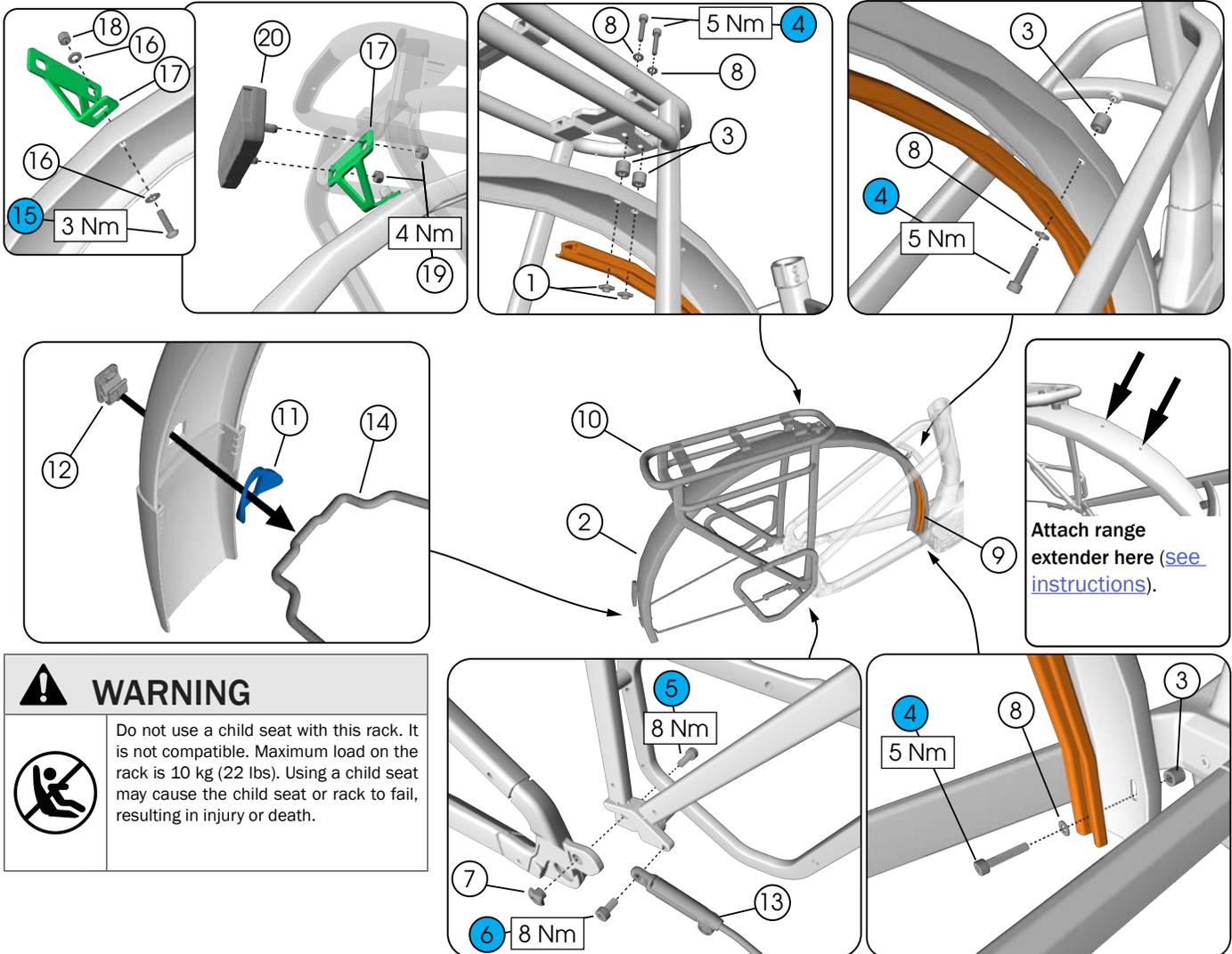
- ① Mudguard (700 x 69 mm) - W5328184
- ② Damping rubbers
- ③ Stay clips
- ④ Stay mounts - 5341283
- ⑤ Mudguard stay (265 mm) - W5338125
- ⑥ Mudguard stay (215 mm) - W5330610
- ⑦ Fasteners (M5 x 10 mm) - 5317305



- ⑧ Fastener (M6 x 10 mm)
- ⑨ Fasteners (M4 x 12 mm) - 5305635
- ⑩ Nuts, hexagon (M4) - 5,328,804
- ⑪ Stay adapters - W5326167
- ⑫ Split washer (M6) - 5317315



# Rear rack and mudguard



**⚠ WARNING**

Do not use a child seat with this rack. It is not compatible. Maximum load on the rack is 10 kg (22 lbs). Using a child seat may cause the child seat or rack to fail, resulting in injury or death.

- |                                     |  |                                     |           |
|-------------------------------------|--|-------------------------------------|-----------|
| ① Mounting nuts (M5) - W5251640     |  | ⑪ Damping rubber                    | } 5258253 |
| ② Mudguard - W5333970               |  | ⑫ Stay clip                         |           |
| ③ Spacers (10 mm) - 5260275         |  | ⑬ Stay mounts - 5258260             |           |
| ④ Fasteners (M5 x 25 mm) - W5252787 |  | ⑭ Mudguard stay (275 mm) - W5321840 |           |
| ⑤ Fasteners (M6 x 16 mm) - 5332528  |  | ⑮ Fasteners (M4 x 14 mm)            |           |
| ⑥ Fasteners (M5 x 10 mm) - 5271528  |  | ⑯ Washers (M4)                      |           |
| ⑦ Mounting nuts (M6) - W5325889     |  | ⑰ Bracket - W5343154                |           |
| ⑧ Washers (M5) - 5317316            |  | ⑱ Lock-nuts (M5)                    |           |
| ⑨ Strut - W5328273                  |  | ⑳ Reflector - R830200 (Spanninga)   |           |
| ⑩ Rack - W5333970                   |  |                                     |           |

# Specifications

## Frame

<b>Hub OLD</b>	Front	110 mm
	Rear	148 mm
<b>Fork steerer tube OD</b>	Upper	28.6 mm
	Lower	38.1 mm
<b>Brake rotor diameter min/ max</b>	Front	180/203 mm
	Rear	180/203 mm
<b>Max chain ring</b>		48T chain/55 belt
<b>Chain line</b>		52 mm chain/50.2 mm belt
<b>Seat post diameter</b>		31.6 mm