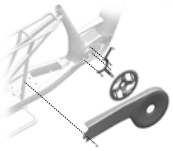


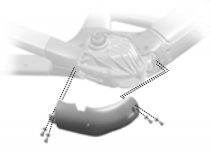
2023 FETCH+ 2

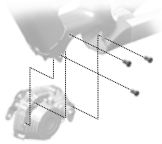
SERVICE MANUAL

Contents

Drivetrain
pages 1-3

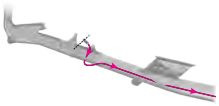

Drivetrain: chain guard and chain guide

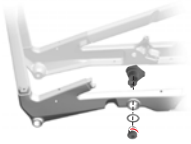

Drivetrain: drive unit cover


Drivetrain: drive unit

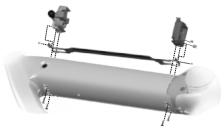
Routing
pages 4-6


Routing

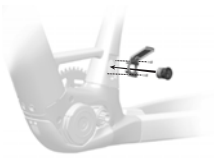

Routing: instructions


Routing: derailleur hanger

Battery
pages 7-9

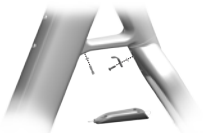

Battery: guide


Battery: handle and cover

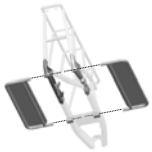

Battery: charge port

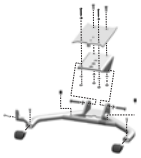
Headset
pages 10-11


Headset


Headset: steering stabilizer

Accessories
pages 12-13


Accessories: foot platforms


Accessories: kickstand


Specifications

Copyright 2023 Trek Bicycle Corporation All Rights Reserved

About this manual

Scope

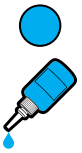
This manual contains parts diagrams, specifications (such as grease and torque values), instructions, and helpful tips (such as the easiest direction to route cables).

This manual does not contain instructions on all components (such as brake calipers). Refer to the original manufacturer for more information.

Legend

★ Cable (zip) tie

Nm Torque value



Apply appropriate threadlocker



Apply appropriate grease

⚠ WARNING

Properly tighten hardware

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

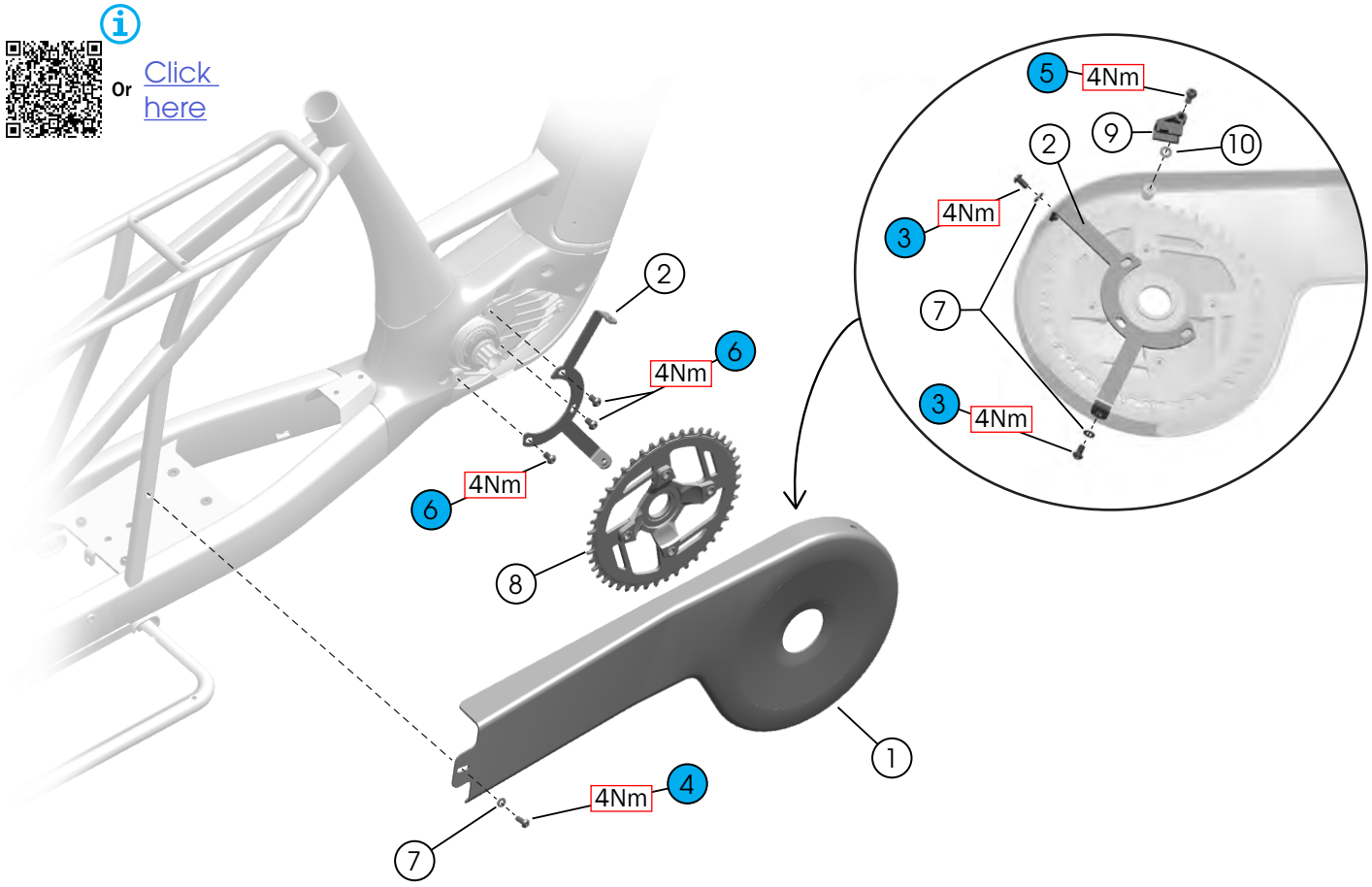
⚠ WARNING

Reapply threadlocker

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

Drivetrain: chain guard and chain guide

Or Click here



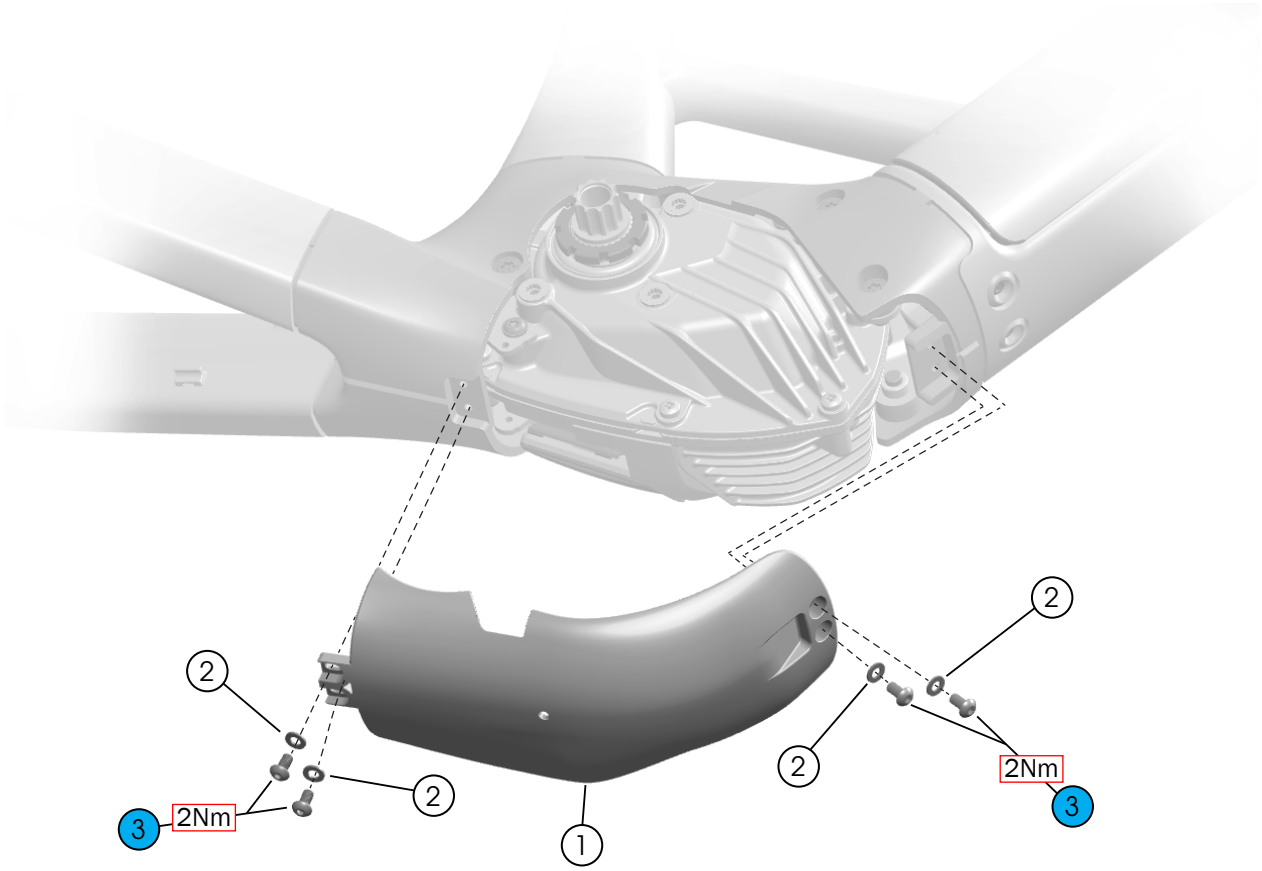
1. Chainguard
2. Bracket
3. Bolts (M5x10mm)
4. Bolt (M5x14mm)
5. Bolt (M5x16mm)
6. Bolts (M6x10mm)
7. Washers (M5)

— W5283147

8. Chainring — W5271386
9. Chain guide
10. Lock washer (M5)

— 5294953

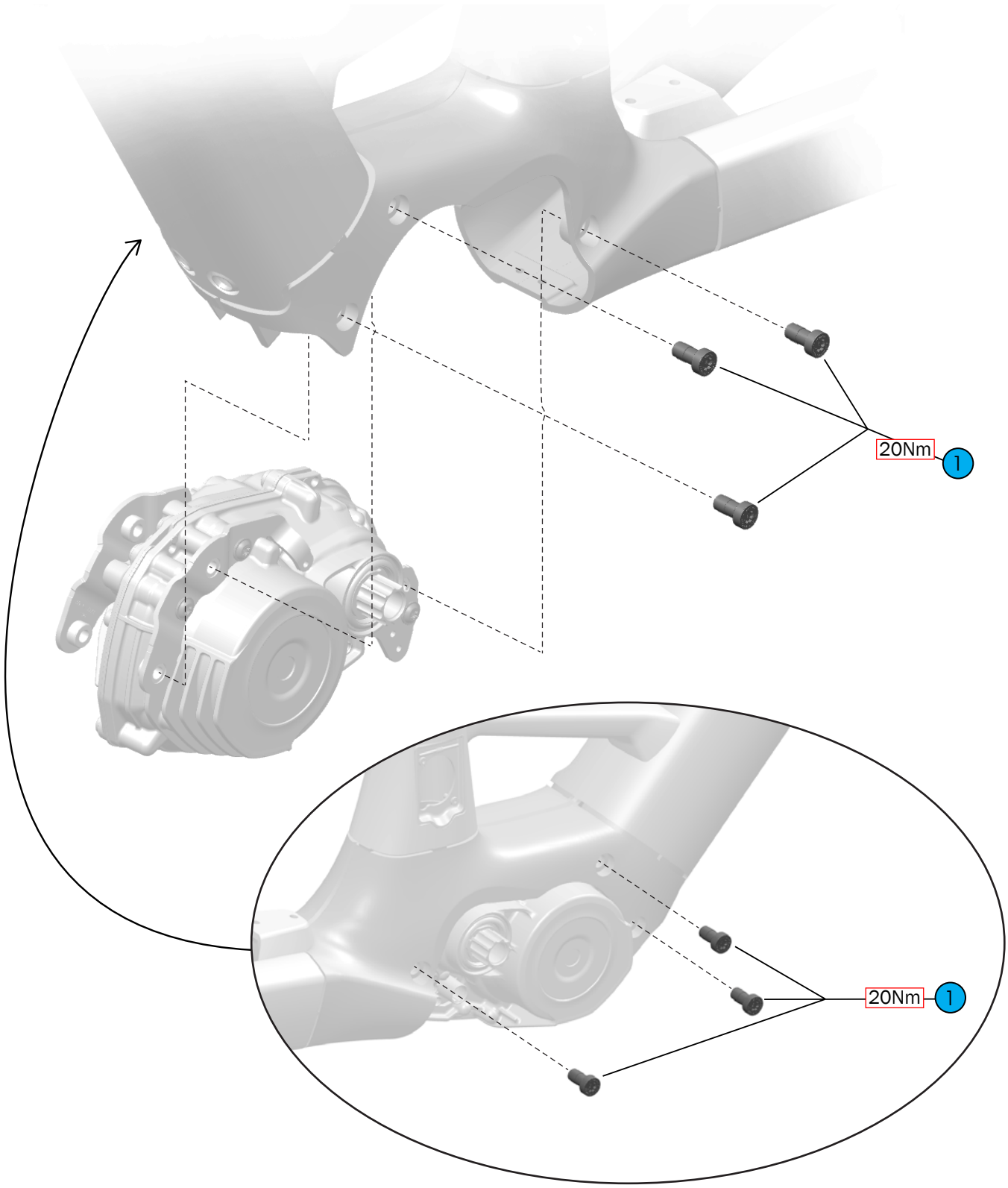
Drivetrain: drive unit cover



1. Drive unit cover
2. Washers (M5)
3. Bolts (M5x10mm)

W5284815

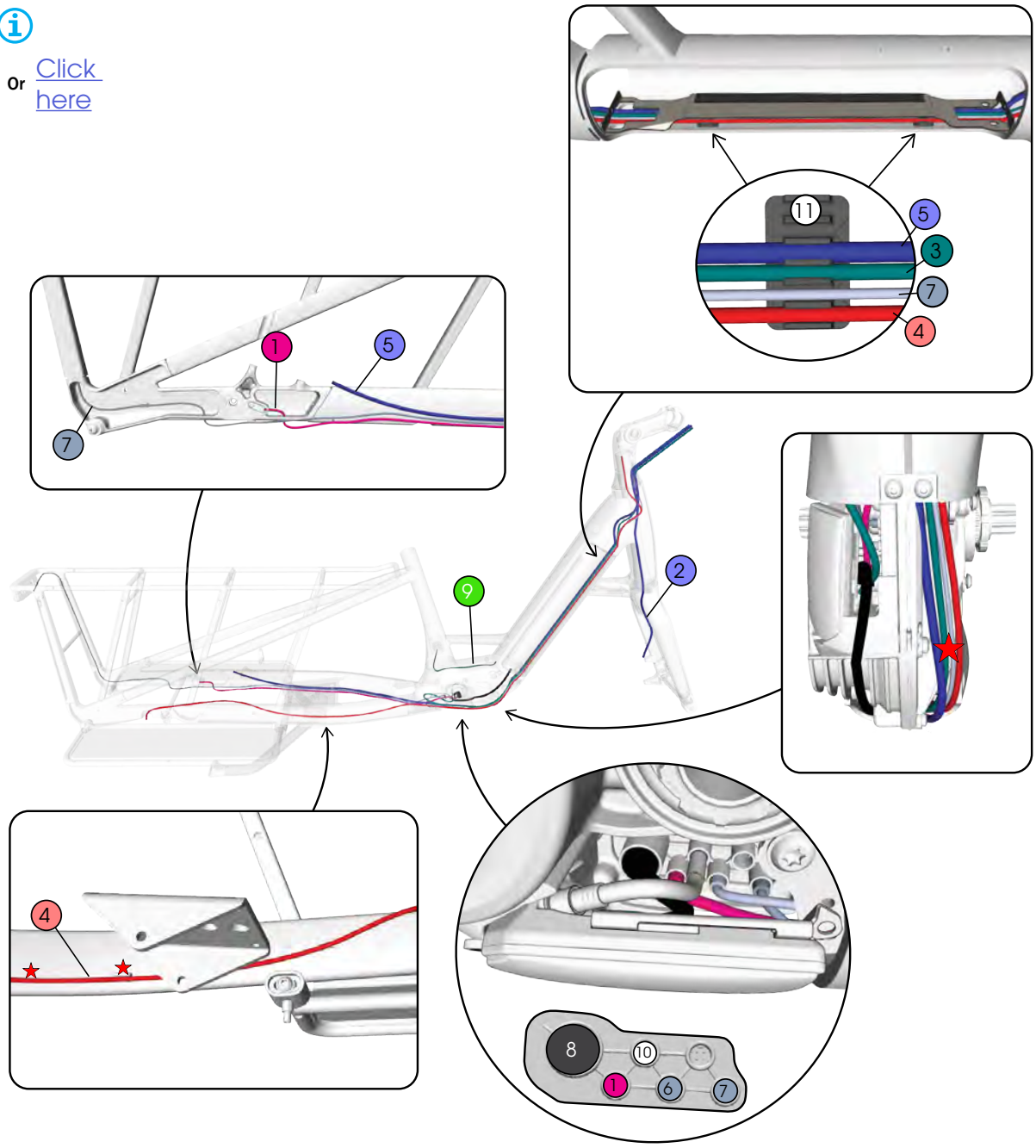
Drivetrain: drive unit



1 Mounting bolts, TP40 (M8x16mm) — *5265419*

Routing

Or Click here

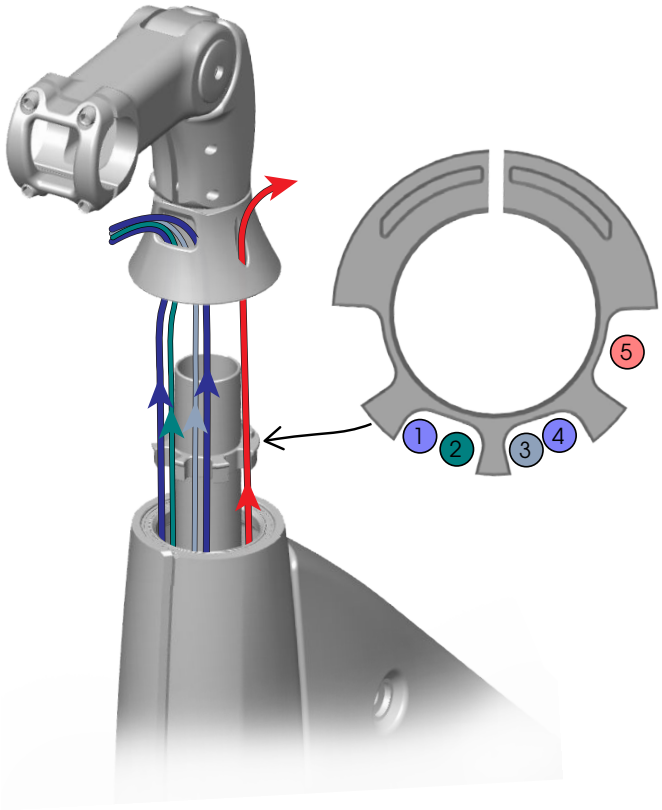


1 Speed sensor wire
2 Front brake hose
3 Remote wire
4 Rear derailleur cable
5 Rear brake hose
6 Front light wire
7 Rear light wire
8 Battery cable
9 Charge port wire
10 Bosch connect module
11 Cable guides — *W591416*

Routing: instructions

Headset

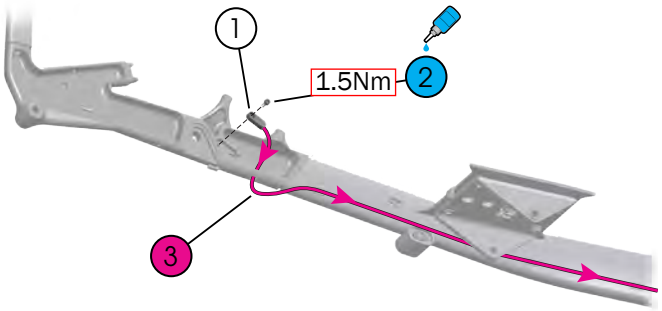
Route all handlebar cables/wires/hoses up through the headset. See page 10 for headset detail and grease specifications.



1. Rear brake hose
2. Remote wire
3. Front light wire
4. Front brake hose
5. Rear derailleur cable

Speed sensor

Route the wire from the back to the drive unit.

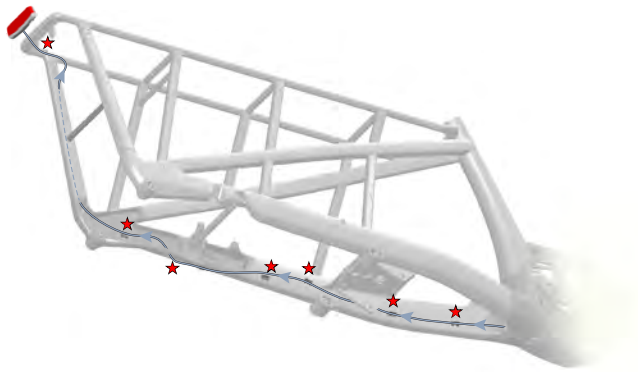


1. Speed sensor
2. Bolt (M4x10)
3. Wire

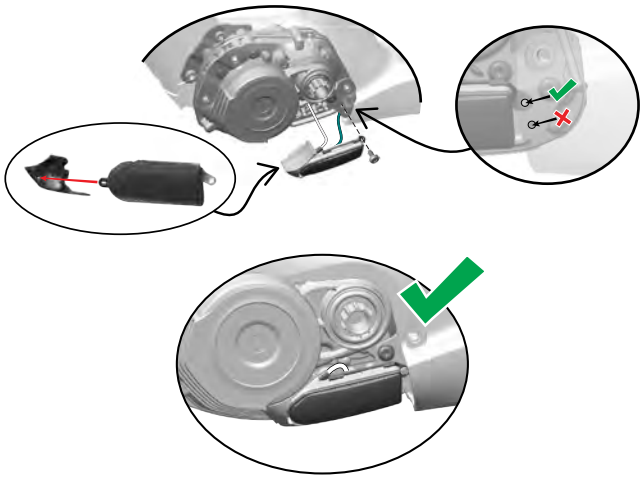
W5271031

Rear light

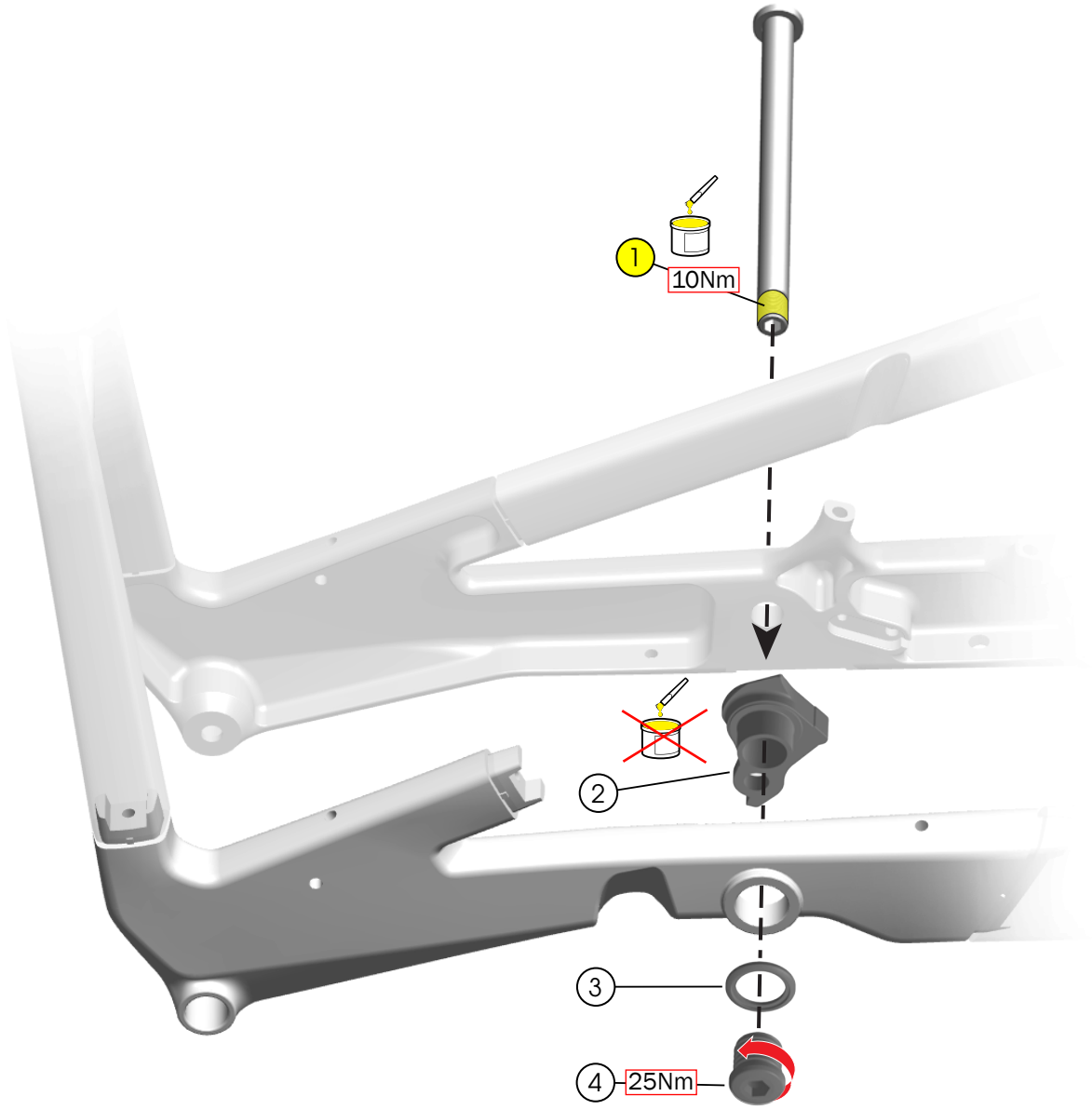
Route the rear light wire rearward from the drive unit to the rear light.



Bosch Connect Module



Routing: derailleur hanger



1. Rear thru axle (M12x174mm)
2. Derailleur hanger
3. Washer
4. Bolt (M12x12mm)

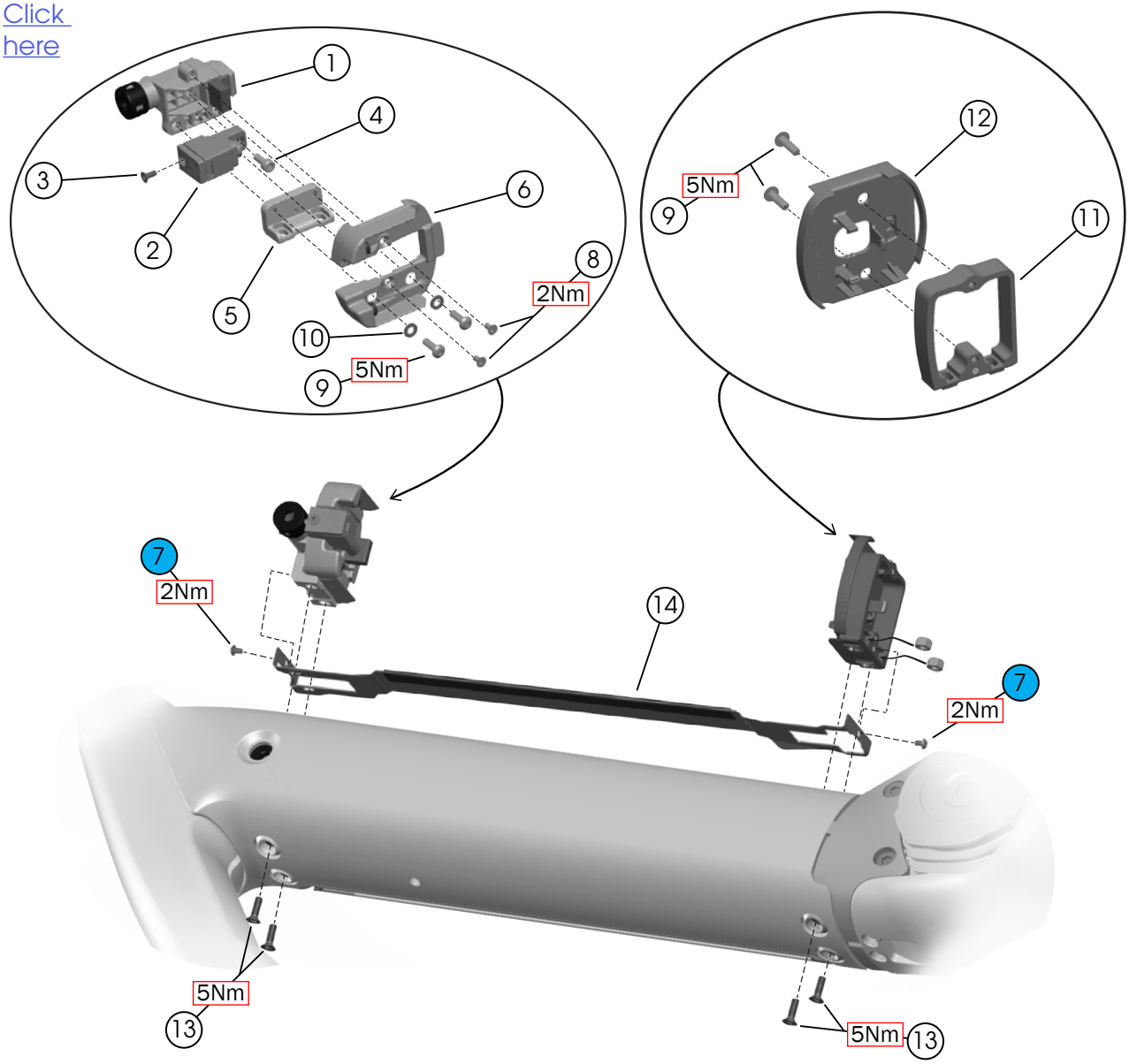
W600321

NOTE: This bicycle frame is designed to use a Universal Derailleur Hanger (UDH) only.

For additional information about the UDH, refer to the SRAM user manual at wwww.sram.com.

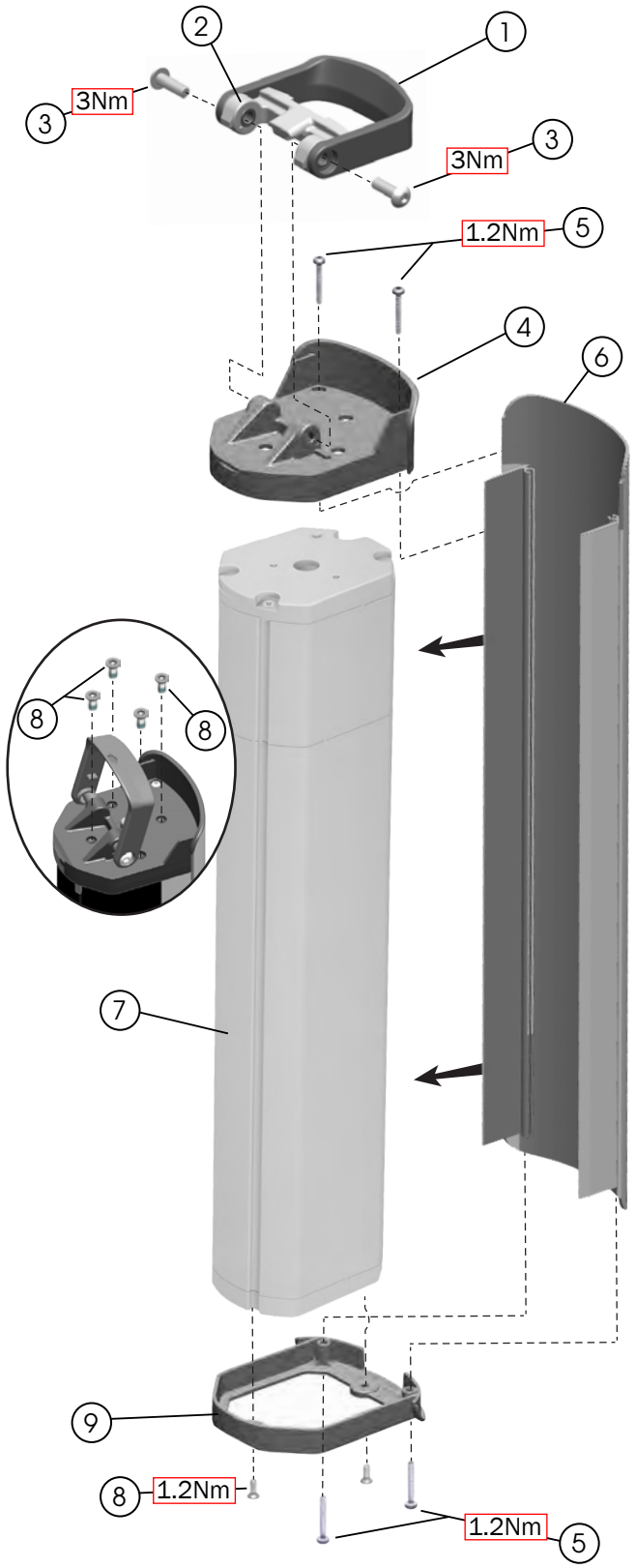
Battery: guide

Or Click here



1. Lock — W562311
2. Eject plunger
3. Bolt (M4x90mm) — 579324
4. Bolt (M5x12mm) — 579324
5. Upper docking bracket — 5277571
6. Upper battery mount — 5256256
7. Bolts (M4x6mm)
8. Bolts (M4x8mm)
9. Bolts (M5x16mm) — 579247
10. Washers (M5) — 579247
11. Lower docking bracket — 5277571
12. Lower battery mount — W5252293
13. Bolts, T25 (M5x16mm)
14. Alignment plate — W5252804

Battery: handle and cover



1. Handle
2. Handle bracket
3. Bolts (M5x16mm)
4. Handle cap

— W5252236

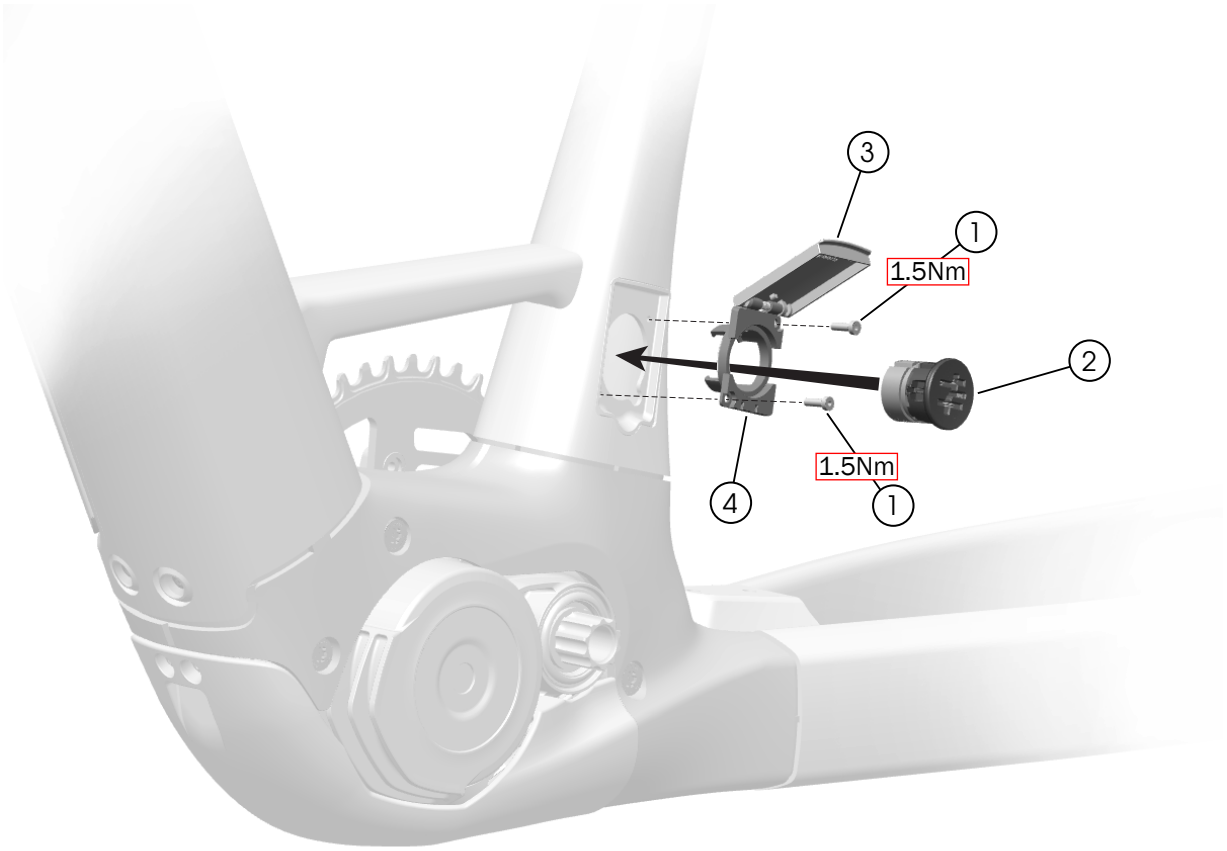
5. Bolts (M3x20mm) — W5254060
6. *Battery cover
7. Battery (500W), vertical — *EB12100016 (Bosch)*
8. Bolts (M3x8mm) — W5269016
9. Docking bracket — W5252240

**This is a color-matched part — search trekbikes.com to find the right color for your bike.*

⚠ WARNINGS: Battery use

- A short circuit in the electric system and/or damage to the battery might lead to over-heating. In an extremely rare case, a battery that has been severely impacted could potentially catch fire.
- Only charge the battery with a Bosch smart system charger. Using the wrong charger risks the life of the battery and presents a potential fire hazard.
- Only use the charger in dry, indoor areas.
- Do not leave a charging battery unattended.
- When the battery is fully charged, disconnect the charger from the battery and wall socket.

Battery: charge port

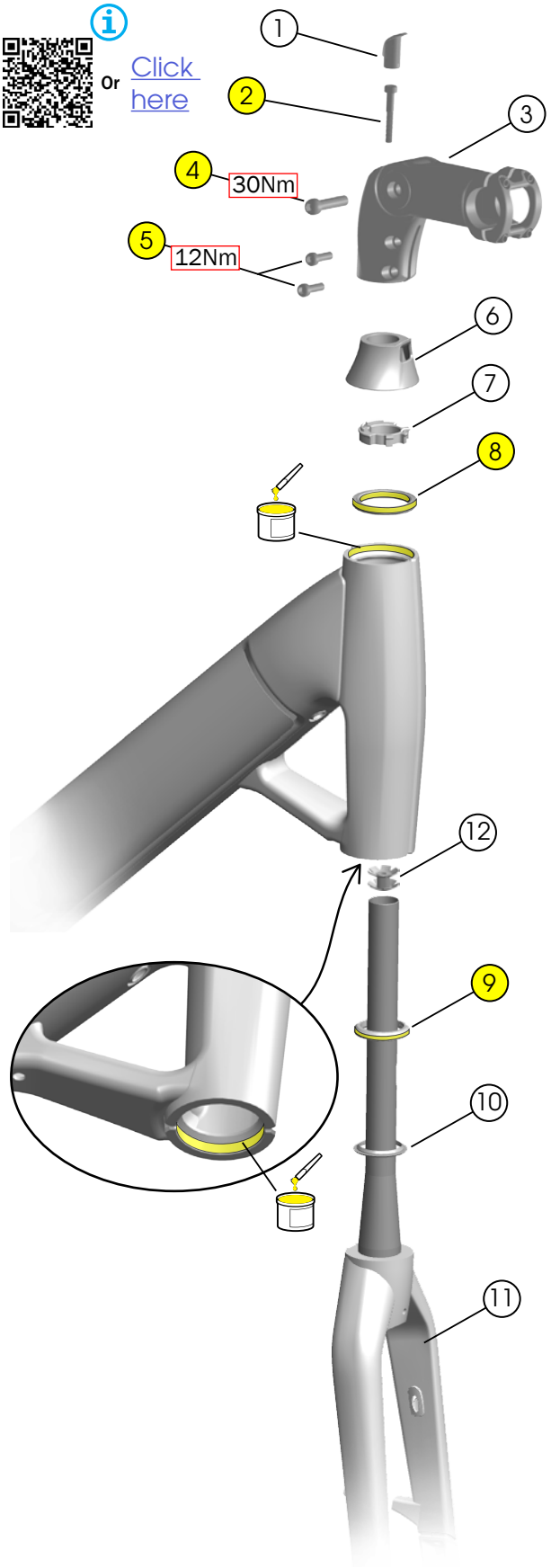


1. Bolts (M3x10mm) — *5284849*
2. Charge socket
3. Door
4. Base

W5251862

Headset

Or Click here



1. Stem cover
2. Compression bolt
3. Stem
4. Bolt (M8x35mm)
5. Bolts (M6x20mm)

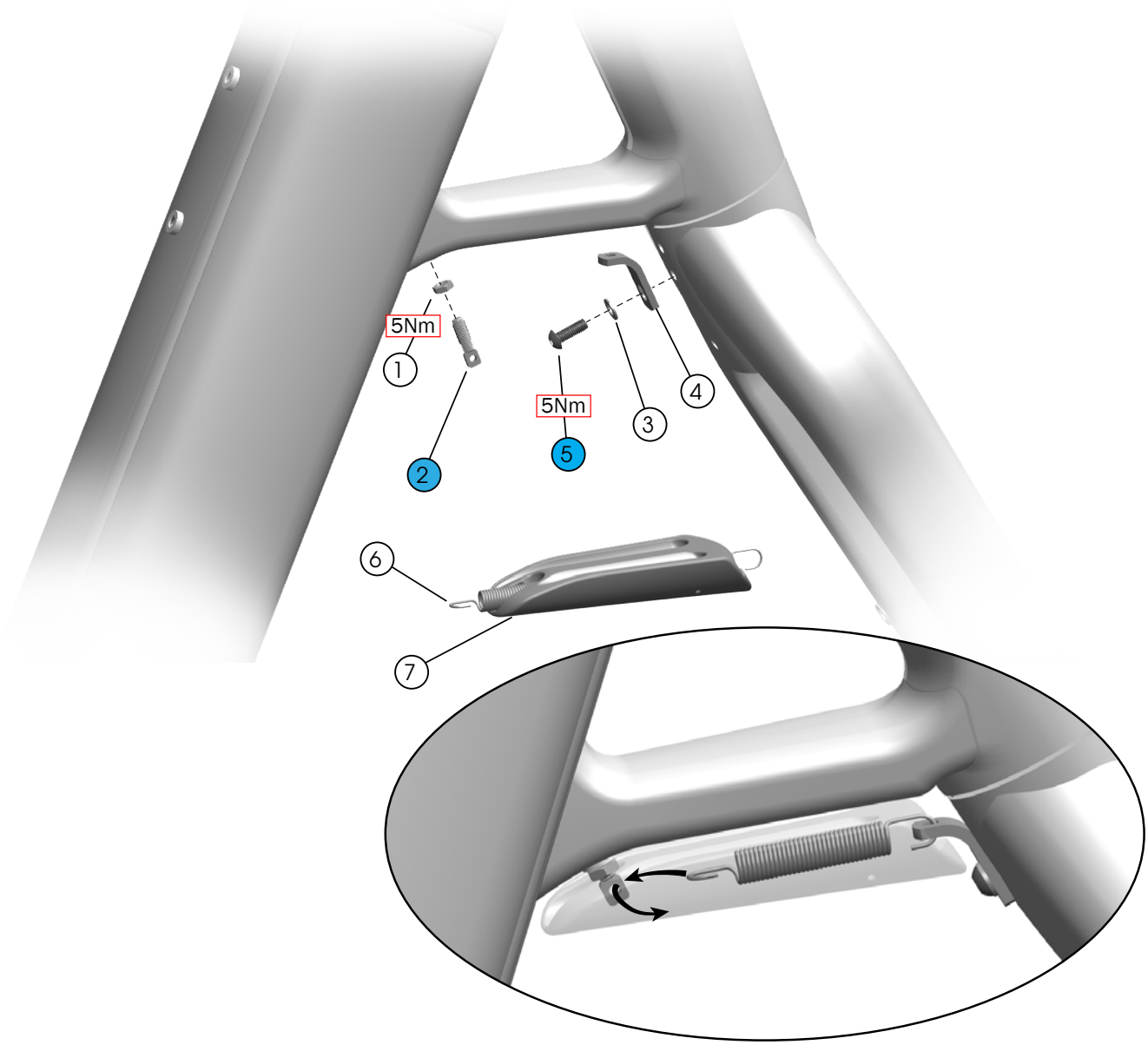
— W5272363

6. Routing spacer — W5262815
7. Compression ring
8. Upper headset bearing
9. Lower headset bearing

— 588930

10. Crown race (1.5") — W532844
11. Fork
12. Compression nut (1-1/8") — 63377

Headset: steering stabilizer

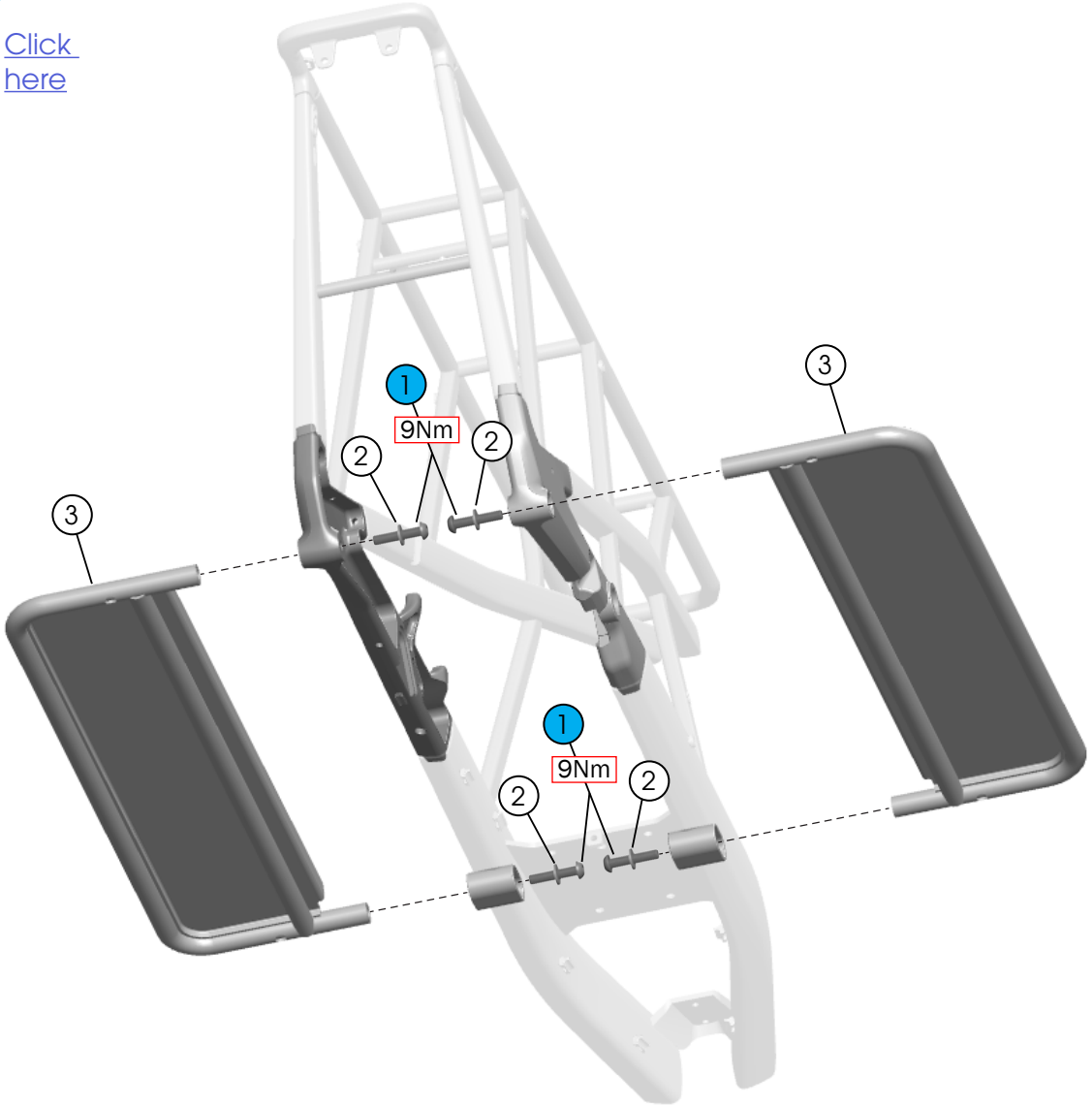


1. Nut (M5)
2. Eyelet bolt
3. Washer (M5.4)
4. Bracket
5. Bolt (M5x14mm)
6. Spring
7. Stabilizer

W5269848

Accessories: foot platforms

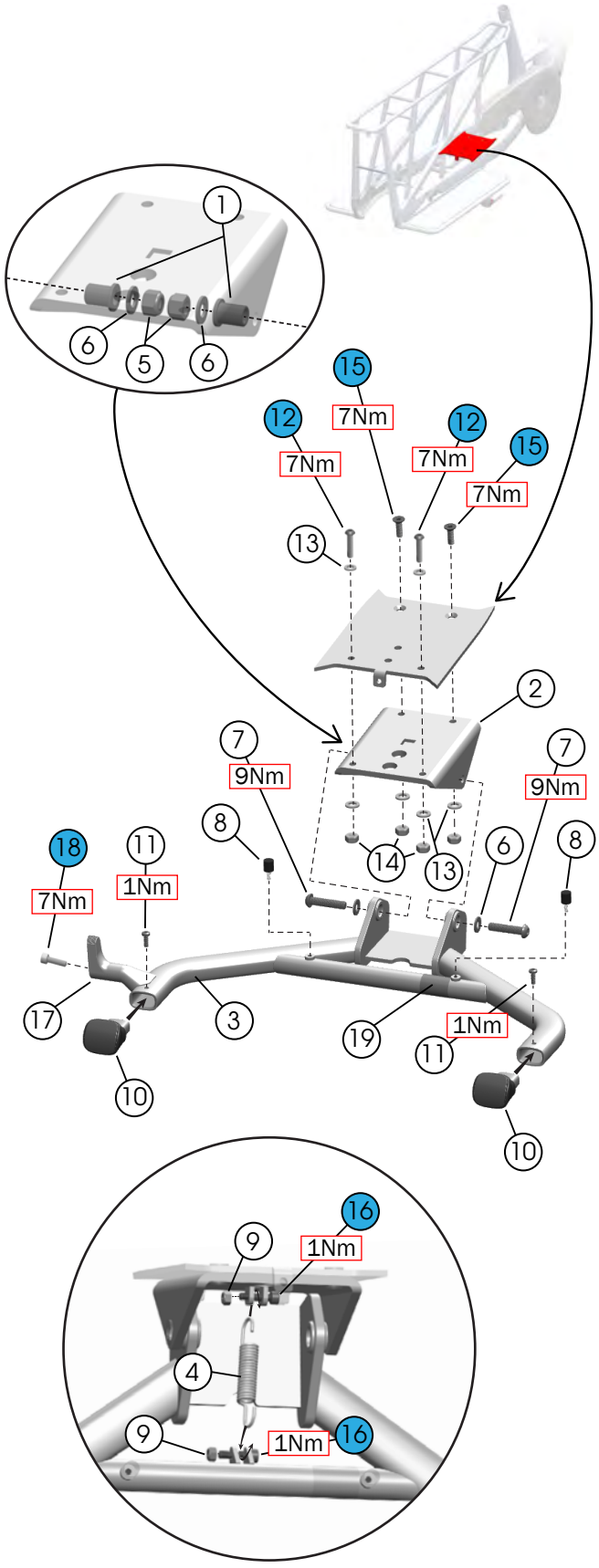
Or Click here



1 Bolts (M8x37mm)
2 Washers (M8)
— 5308079

3 Foot platforms — W5288728

Accessories: kickstand



- (1) Bearings
- (2) Plate
- (3) Kickstand
- (4) Spring
- (5) Nuts, 13mm drive (M8)
- (6) Washers (M8)
- (7) Bolts (M8x37mm)
- (8) Rubber bumpers — *W5269169*
- (9) Nuts, 8mm drive (M8)
- (10) Foot — *5291301*
- (11) Bolts (M3.5x15mm)
- (12) Bolts (M6x25mm)
- (13) Washers (M6)
- (14) Nuts (M6)
- (15) Bolts (M6x20mm)

  (12), (13), (14), (15) — *5305906*
- (16) Bolts (M5x20mm)
- (17) Kicker
- (18) Bolt (M8x25mm)
- (19) Chainguard decal

W1050926

CAUTION

The kickstand is spring-loaded and can snap shut on you when servicing, causing injury. Either tie off the kickstand or be careful not to get caught in it.

Specifications

	Fetch+ 2
Rear hub OLD	148mm
Front hub OLD	100mm
Upper fork steerer tube OD	28.6mm
Lower fork steerer tube OD	39.8mm
Chainline	52mm
Max chainring teeth	46T
Brake rotor diameter max	180mm
Tire width max	2.35”/59.7mm
Fender compatible	Yes