

SERVICE MANUAL Rev 2 October 2023

# Contents



Safety



Adjustable headset





Active Braking Pivot (ABP)



Rocker pivot and seatstay

Main pivot and

chainstay



Rear shock

hardware and

dimensions

Adjust the

progression

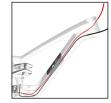
Routing with mechanical shift



Routing with AXS <u>shift</u>

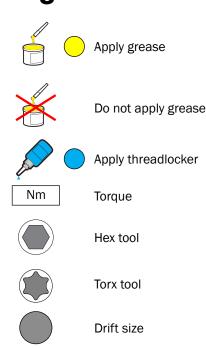


Frame guards aluminum frame



Routing with AXS shift

Legend



Zip tie

seatstay mino link

6

Adjust the

geometry -

headset angle

Adjust the

geometry -

Down tube storage



**Specifications** 

Derailleur hanger

# **Safety**



### 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.

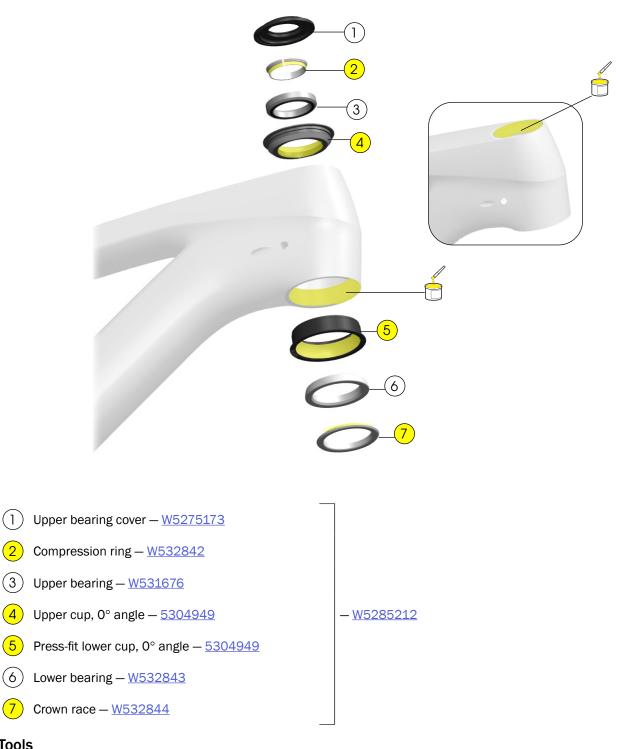
# **WARNING**

### 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.

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# Adjustable headset



Tools

(1)

(2

(4)

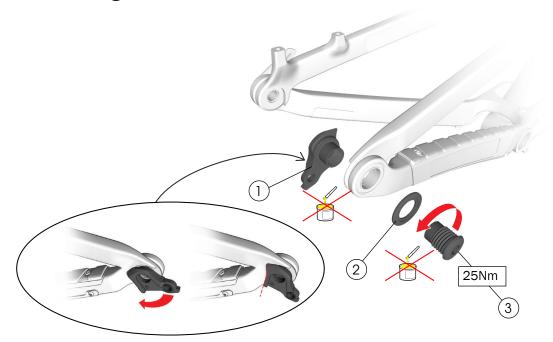
(5)

(6)

(7)

- Headset press
- Grease

## **Derailleur hanger**





#### Tools

- 8mm hex tool
- Torque wrench (left-hand thread) with 8mm hex bit



Do not apply grease to the derailleur hanger or bolt.

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

**NOTICE:** The thru axle must be compatible with a UDH and must be M12x1.0 with a 12.7mm thread.

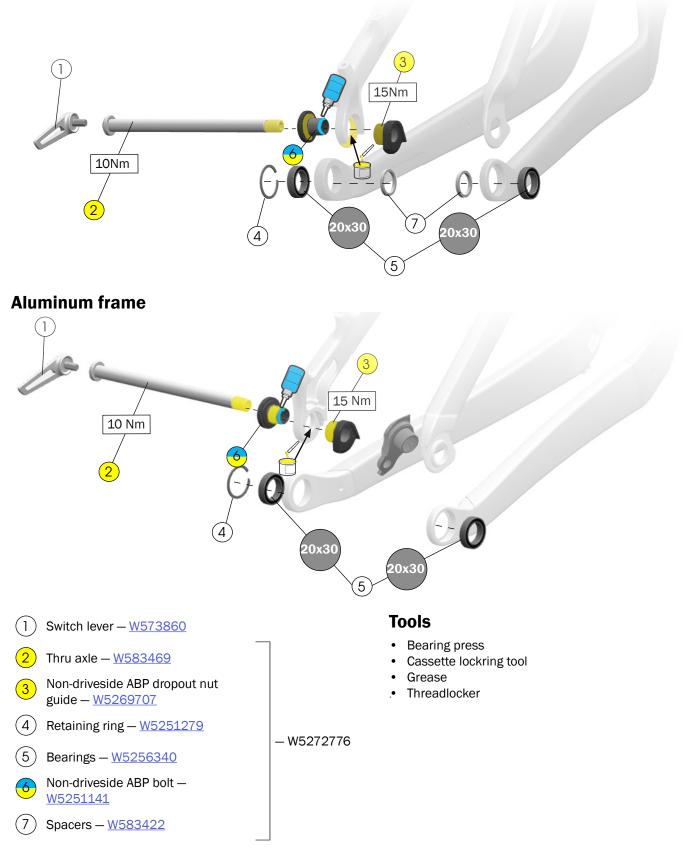
**NOTICE:** The washer is frame-specific. Install only the washer size specified.

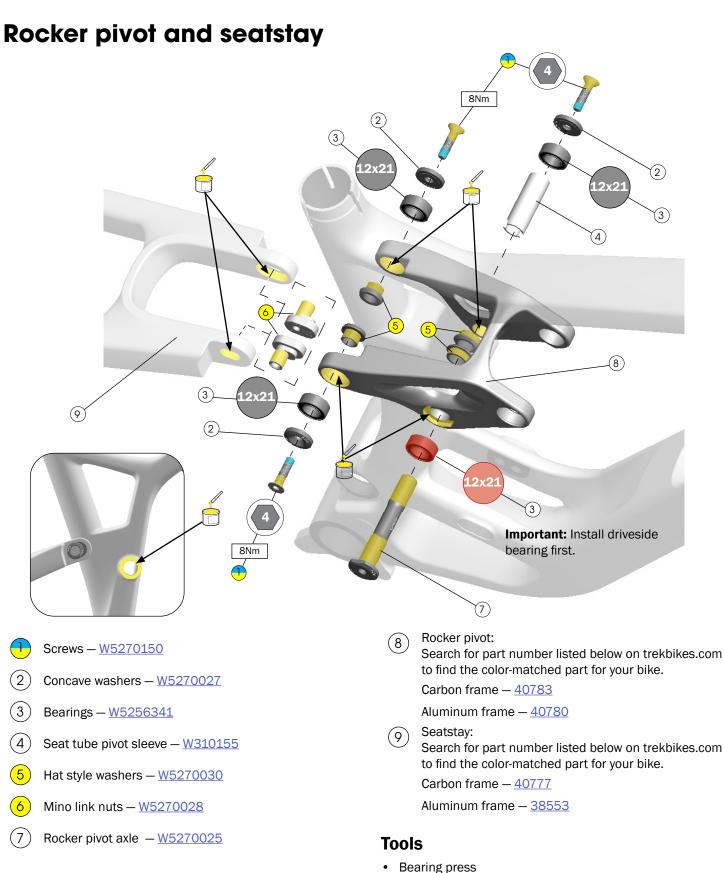
**NOTICE:** Do not over-tighten. Over-tightening the bolt could cause the hanger to break.

For additional information about the UDH, refer to the SRAM user manual at <u>www.sram.com.</u>

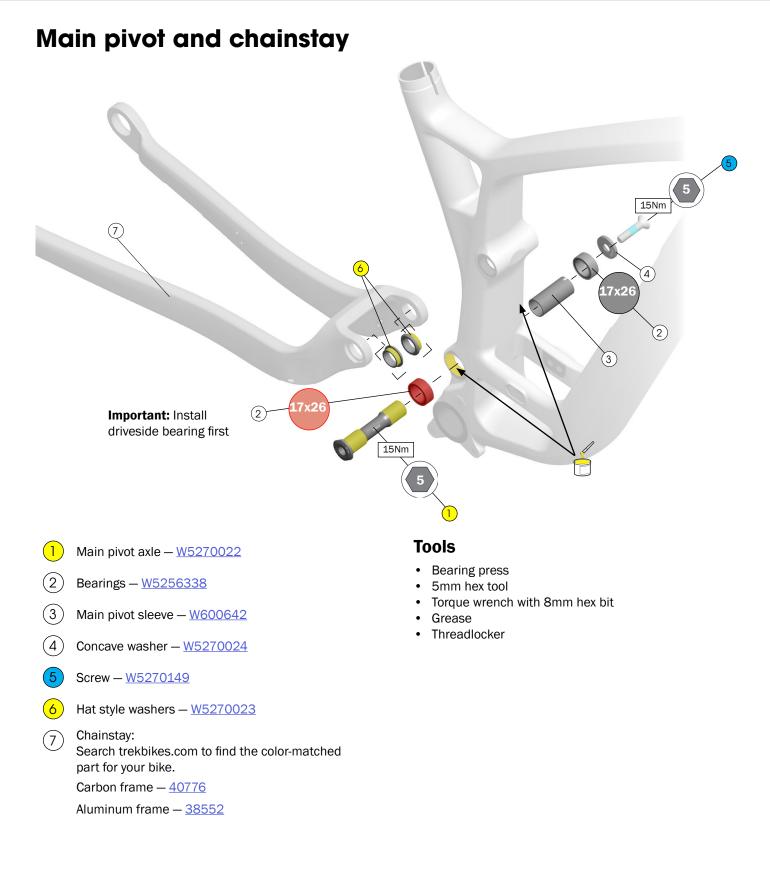
# Active Braking Pivot (ABP)

### **Carbon frame**

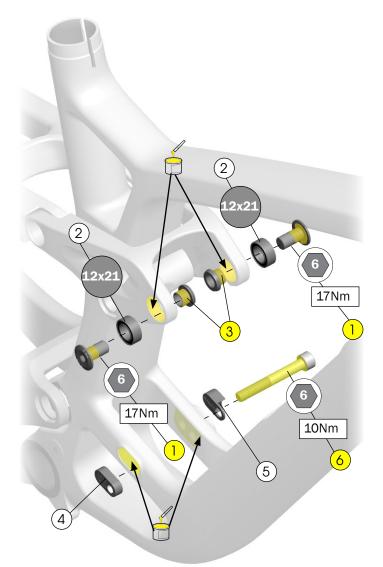




- 4mm hex wrench
- Torque wrench with 4mm hex bit
- Grease
- Threadlocker



### **Rear shock hardware and dimensions**



Shock Dimensions Eye-to Eye-length: 185mm Stroke length: 55mm Upper width: 54mm x 10mm Lower width: 40mm x 8mm

- 1) Upper bolts, M10 x 1 x 19mm <u>W5270031</u>
- (2) Bearings <u>W5256341</u>
- (3) Hat-style washers <u>W5270030</u>
- (4) Lower shock Mino nut 5303333
- (5) Lower shock Mino washer <u>5303333</u>
- 6 Lower bolt, M8 x 1 x 60mm <u>W5274968</u>

#### Tools

- Bearing press
- 6mm hex wrenches
- Torque wrench with 6mm bits
- Grease

#### Setup

Refer to the suspension setup card included with your bike or the suspension calculator at <u>trekbikes.com/suspension-calculator</u>.

For recommended rebound settings refer to the suspension calculator at <u>trekbikes.com/suspension-calculator</u>.

# Adjust the progression

The shock mino links can be flipped to fine tune the shock performance for the terrain or rider preference.

#### Tools

- 6mm hex tool
- Torque wrench with 6mm hex bit
- 1. Remove the lower shock mount bolt.
- 2. Flip the mino link nut and washer to the desired positions.
- 3. Re-insert the shock bolt and torque to 10Nm.

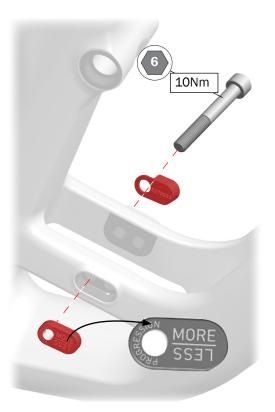
#### Less progression

More reactive to repeated fast mid-size bumps and square-edge hits.

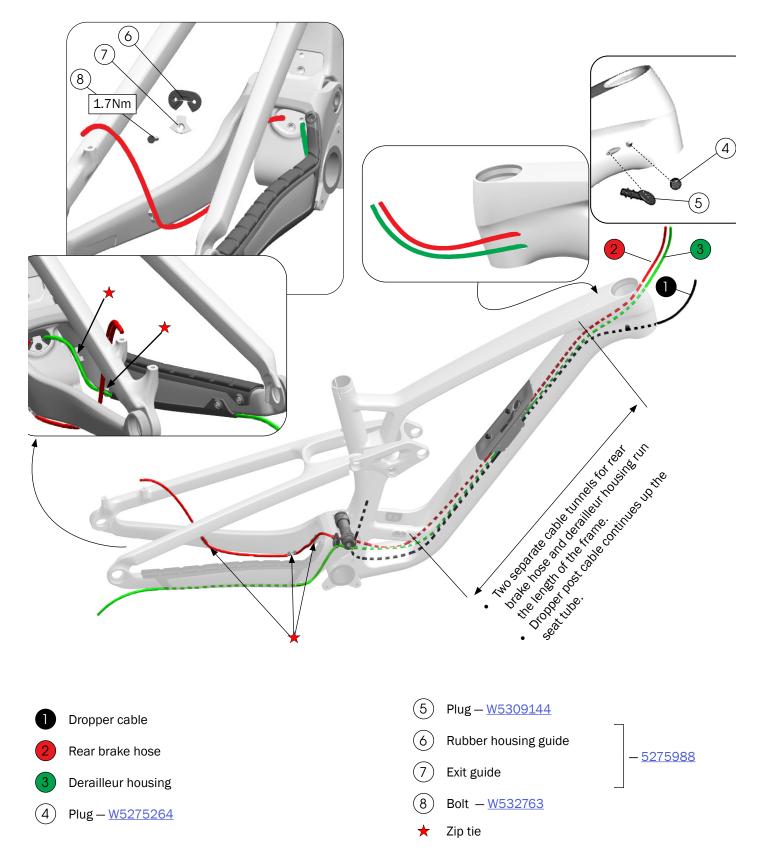


#### **More progression**

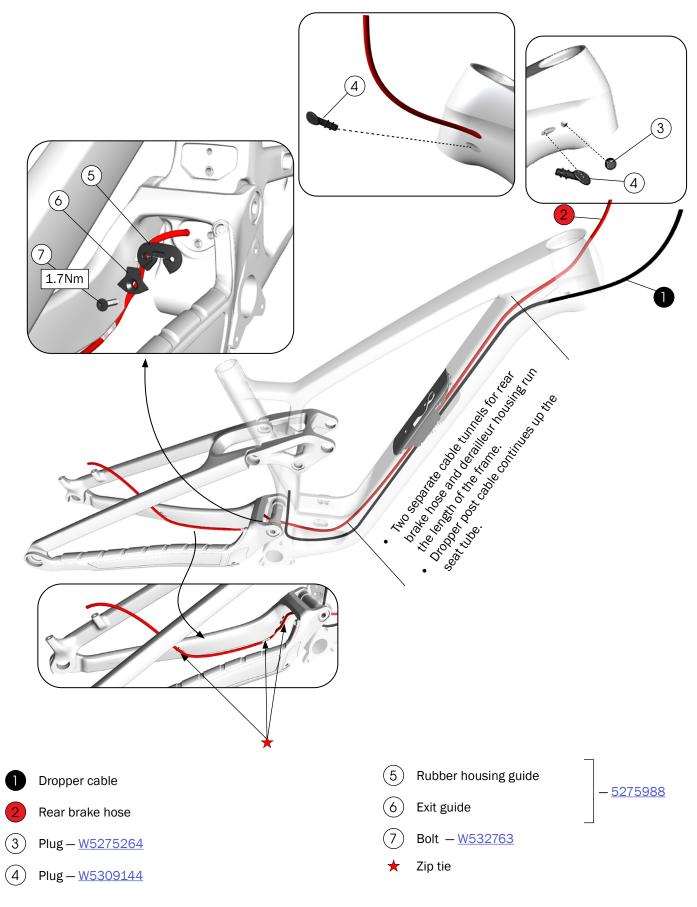
More bottom out resistance over big hits and drops



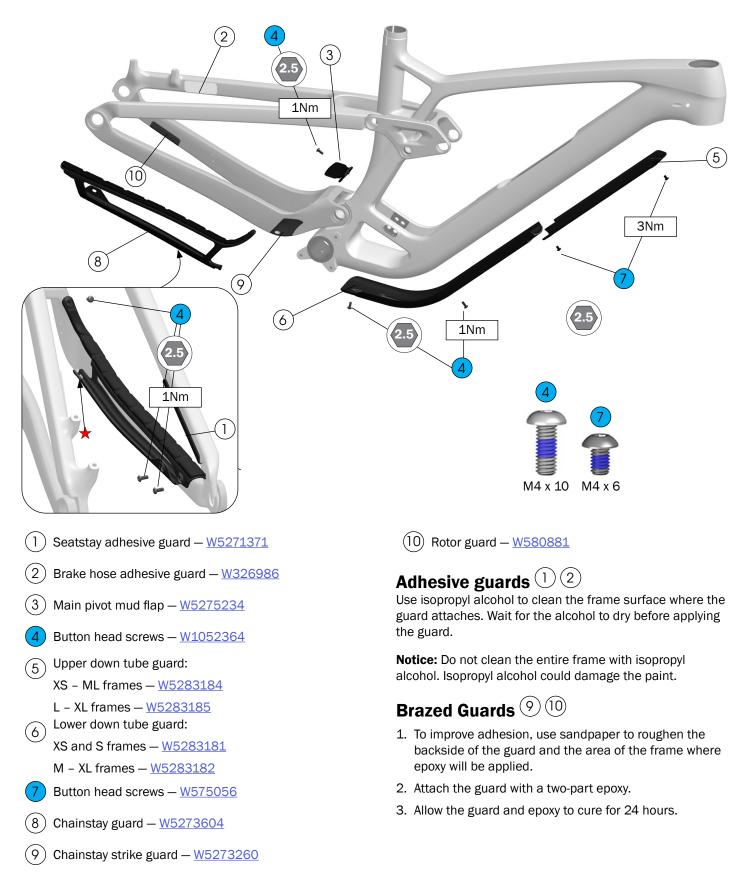
# **Routing with mechanical shift**



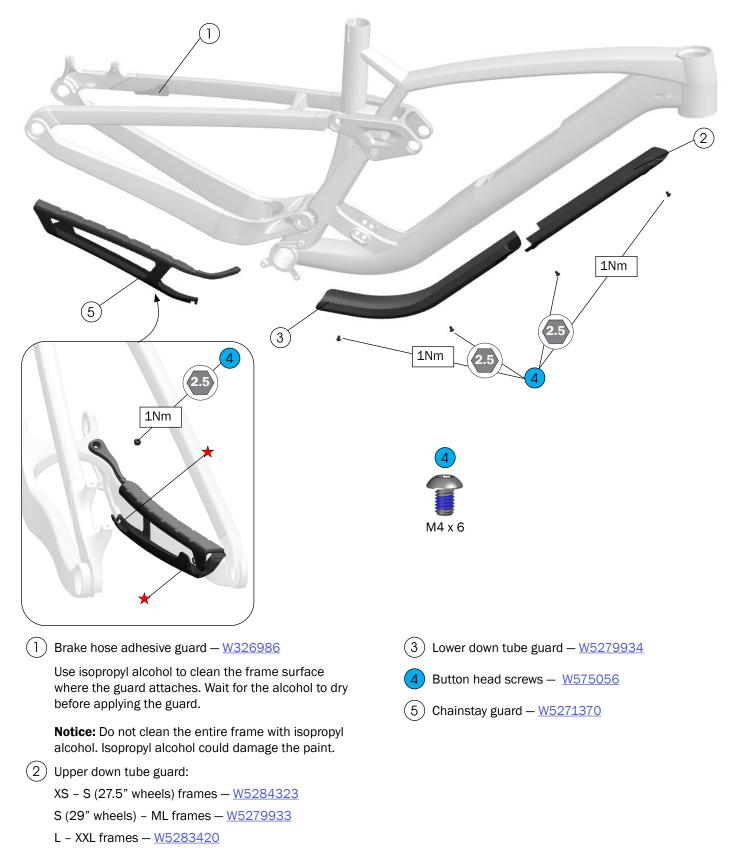
## **Routing with AXS shift**



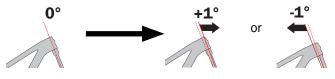
# Frame guards — carbon frame



# Frame guards — aluminum frame



# Adjust the geometry — headset angle



#### Tools

- Upper angled cup: XS - L frames – <u>W5295319</u> XL - XXL frames – <u>W5295274</u>
- Lower angled cup W5294449
- Adjustable headset alignment tool <u>5310000</u>
- Headset cup removal tool
- 8mm hex tool (150mm minimum length for XL frame)
- Headset cup press
- Painter's tape
- Grease

#### **Remove components**

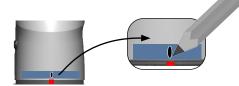
- 1. Remove the fork.
- 2. Remove the upper headset assembly.
- 3. Use the headset cup removal tool to remove the lower headset cup.

#### Install the alignment tool

Use the alignment tool to mark the centerline to which you will align the lower cup.



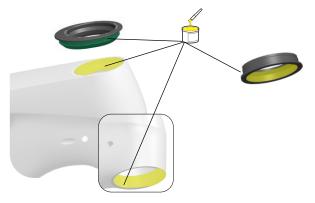
- 1. Thread the hex tool through the upper alignment tool. Insert the tools into the upper head tube.
- 2. Position the lower alignment tool with the notches to the front and back of the head tube.
- 3. Thread the lower alignment tool over the hex tool. The hex tool will keep the notches aligned as you insert the alignment tool.
- 4. Place a piece of painter's tape on the head tube, then draw a line on the tape that aligns with the notch.



5. Remove both pieces of the alignment tool.

#### Install the angled cups

1. Grease the cups and head tube bores.



2. Position the upper cup and insert it into the head tube. Slacker Steeper



3. Position the lower cup to match the angle of the upper cup.



- 4. Align the notch on the cup with the line on the painter's tape.
- 5. Press in the lower cup. **Note:** position the press with the handle above the head tube.

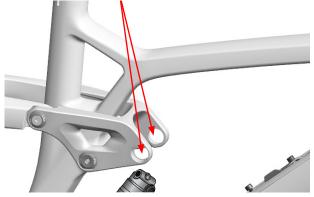


- 6. Remove the press. Verify the notch on the lower cup is aligned with the line on the tape. If it is not, remove cup and reinstall in correct position.
- 7. Remove the painter's tape.

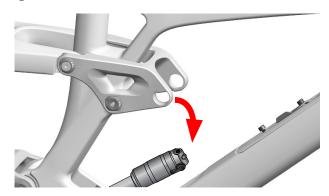
# Adjust the geometry — seatstay mino link

#### Tools

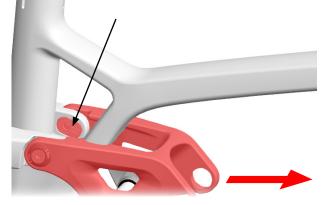
- 4mm and 6mm hex tools
- Torque wrench with 4mm and 6mm bits
- Small clean towel or cloth
- 1. Remove the rear wheel.
- 2. Place a small clean towel or cloth over the down tube to protect the paint.
- 3. Remove the upper shock mount hardware. Use the 6mm hex tool to remove the bolts.



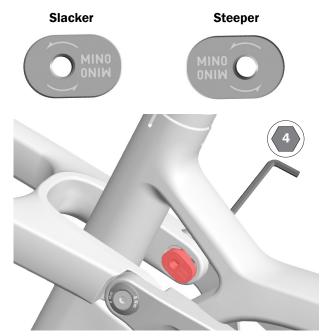
4. Lower the shock and rest it on the towel or cloth covering the down tube.



5. Rotate the rocker pivot forward to pull the mino links into the window in front of the seat tube.



 Use a 4mm hex tool to turn the screw in the mino link to flip the link to either the slacker or steeper position. Repeat this process with the other mino link.

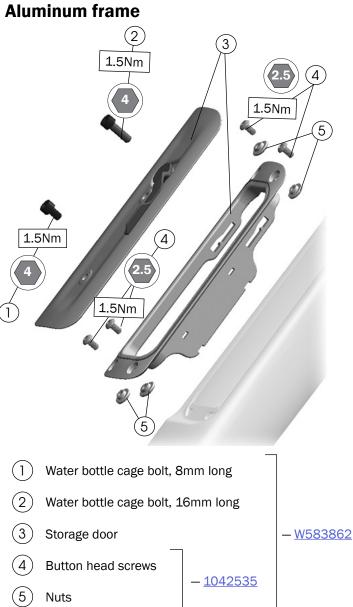


- 7. Torque the screws to 8Nm.
- 8. Re-install the upper shock hardware and torque the bolts to 8Nm.

### Down tube storage

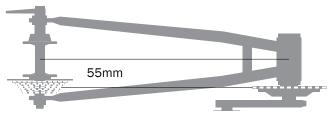
#### **Carbon frame**





# **Specifications**

### Chainline (1x only)



### Chainring (1x only)

Minimum	Maximum
28T	Round: 34T
	Oval: 32T

#### **Rear brake mount**

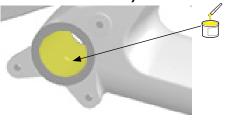
Minimum	Maximum	
180mm, direct mount	Adaptable to 203mm	

### Maximum tire size

**Notice:** Measurements of actual tires may vary. Always verify there is sufficient clearance between the tire and the frame. Improper tire size could damage the bicycle frame. Trek recommends 6mm clearance above and on the sides of the tire.

Wheel set	Maximum tire size		
29"	29" x 2.5"		
27.5" (XS and S frame)	27.5" x 2.5"		

### Bottom bracket / ISCG tabs



Bottom bracket	ISCG tabs
BSA 73	ISCG 05, 3 bolt

### Seat post



Always follow the seatpost manufacturer's minimum insertion recommendation. Failure to follow the recommendation could cause damage to the seatpost and result in injury to the rider.

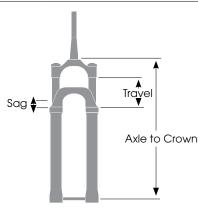
#### Measurement

Maximum	Frame	Carbon	Aluminum	
insertion	XS	205mm	180mm	
	S (27.5" and 29" wheels)	225mm	210mm	
	М	255mm	240mm	
	ML	266mm	250mm	
	L	281mm	265mm	
	XL	316mm	300mm	
	XXL	—	330mm	
Seat tube inside diameter		34.9		
Seat tube post clamp outer diameter		39.5		

#### Fork

# 

Exceeding the recommended maximum fork length could damage the bicycle and result in injury to the rider.



Frame/ Wheel Size	Axle to Race (mm)		Travel (mm)
XS and S	Recommended	534	140
27.5" wheels	Maximum	550	150
S, M, ML, L, XL, XXL	Recommended	562	150
29" wheels	Maximum	578	160

Refer to the suspension setup card included with your bike or the suspension calculator at

trekbikes.com/suspension-calculator.