Safety

**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.
Brake/shift routing — mechanical

NOTE: Tighten the front derailleur bolt (5) to the manufacturer’s specifications.

Route the brake hoses

1. Connect the calipers to the brake hoses.
2. Route the rear brake hose through the grommet (3). Route both brake hoses as shown.
3. Attach the calipers to the chainstay and fork. Do not fully torque the mounting bolts until the calipers are aligned correctly.

1. Rear derailleur hanger — W524188
2. Rear derailleur hanger bolts — W524884
3. Housing grommets — W330578
4. Front derailleur washer — W531901
5. Front derailleur bolt — W543903
6. Front derailleur cable
7. Rear derailleur cable
8. Front brake hose
9. Rear brake hose
10. Dropper post cable
Brake/shift routing — mechanical (continued)

**Route the shift cables**

1. Mark the rear shift cable with a marker. You will need to tell the cables apart when you assemble the headset.
2. Route the front derailleur shift cable through the grommet (3). Route both shift cables through the frame as shown.
3. Attach the derailleurs to the bicycle.
4. Connect the shift cables to the derailleurs.
5. Zip tie the shift cables and rear brake hose to the outside of the storage door frame.

**Dropper post cable routing (SL only)**

Cut out a hole in the outer dimple on the back of the routing cap grommet. Route the dropper post cable to the handlebars as shown below.

**NOTE:** A dropper post is not compatible with the SLR model due to the seat mast system.
Brake routing — eTap

NOTE: Tighten the front derailleur bolt (6) to the manufacturer’s specifications.

Route the brake hoses

1. Connect the calipers to the brake hoses.
2. Route the rear brake hose through the grommet (4). Route both brake hoses as shown.
3. Attach the calipers to the chainstay and fork. Do not fully torque the mounting bolts until the calipers are aligned correctly.
4. Zip tie the rear brake hose to the outside of the storage door frame.

1. Rear derailleur hanger — W524188
2. Rear derailleur hanger bolts — W524884
3. Plug — W330578
4. Housing grommet — W330578
5. Front derailleur washer — W531901
6. Front derailleur bolt — W543903
7. Front brake hose
8. Rear brake hose
9. Dropper post cable
Brake routing — eTap (continued)

Dropper post cable routing (SL only)

**NOTE:** A dropper post is not compatible with the SLR model due to the seat mast system.
Brake/shift routing — Di2

**NOTE:** Tighten the front derailleur bolt (6) to the manufacturer’s specifications.

### Route the brake hoses

1. Connect the calipers to the brake hoses.
2. Route the rear brake hose through the grommet (3). Route both brake hoses as shown.
3. Attach the calipers to the chainstay and fork. Do not fully torque the mounting bolts until the calipers are aligned correctly.

---

1. Rear derailleur hanger — W524188
2. Rear derailleur hanger bolts — W524884
3. Di2 exit grommet — 600208
4. Housing grommets — W330578
5. Front derailleur washer — W531901
6. Front derailleur bolt — W543903
7. Battery holder and cable guide — 588188
8. Screws (M4x9mm) — 588188
9. Front brake hose
10. Rear brake hose
11. Di2 wires
Brake/shift routing — Di2 (continued)

Di2 wiring diagram

- Battery
- Front derailleur
- Rear derailleur
- Junction A (charging port)
- Junction B
T47 bottom bracket

Install the bottom bracket

1. Apply grease to the threads on both sides of the frame.

2. Using your hands, thread the bottom bracket onto the frame.

   **NOTICE:** Do not start tightening the bottom bracket with a tool. Dirt and other contaminants can damage the threading.

3. Use the proper tool to torque both sides to specification (see the Tool and spline compatibility table below).

4. If necessary, add spacers before installing the cranks (see the Spacers required table at the top right).

Spacers required

The table below contains bottom bracket/crank combinations that require spacers. Your bicycle may have other combinations that do not require spacers.

<table>
<thead>
<tr>
<th>Crank</th>
<th>Bottom bracket</th>
<th>Spacers required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Drive side</td>
</tr>
<tr>
<td>Shimano</td>
<td>CeramicSpeed</td>
<td>0.5mm</td>
</tr>
<tr>
<td>SRAM DUB</td>
<td>SRAM DUB</td>
<td>2-3mm</td>
</tr>
<tr>
<td>GXP</td>
<td>Wheels MFG</td>
<td>1.0mm</td>
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</table>

Spacers required table:

<table>
<thead>
<tr>
<th>Crank</th>
<th>Bottom bracket</th>
<th>Drive side</th>
<th>Non-drive side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shimano CeramicSpeed 24mm</td>
<td>0.5mm</td>
<td>0.5mm</td>
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<tr>
<td>SRAM DUB</td>
<td>SRAM DUB</td>
<td>2-3mm</td>
<td>—</td>
</tr>
<tr>
<td>GXP</td>
<td>Wheels MFG</td>
<td>1.0mm</td>
<td>—</td>
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</tbody>
</table>

Tool and spline compatibility

<table>
<thead>
<tr>
<th>Tool manufacturer</th>
<th>Praxis</th>
<th>Unior</th>
<th>Park Tool</th>
<th>Wheels Mfg</th>
<th>CeramicSpeed</th>
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</thead>
<tbody>
<tr>
<td>Praxis</td>
<td>TP-2400</td>
<td>594148</td>
<td>1671.T47</td>
<td>BBT-47</td>
<td></td>
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<tr>
<td></td>
<td>TP-3028</td>
<td>594147</td>
<td>1043614</td>
<td>BBTOOL-48-44</td>
<td>589307</td>
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<tr>
<td>Wheels MFG</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>SRAM DUB</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Chris King</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Ceramic-Speed</td>
<td>24mm</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>GXP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Bottom bracket manufacturer:

- Praxis
  - 24mm: X
  - 30mm: X
- Wheels MFG: X
- SRAM DUB: X
- Chris King: X
- Ceramic-Speed 24mm: X
- GXP: X
Headset and fork

Install the headset

1. Clean the steerer tube using isopropyl alcohol.
2. Grease both bearings (5), the fork crown race, and the inside of the head tube as shown to the left.
3. Insert the fork into the head tube.
   **TIP:** Support the fork with a table during the assembly.
4. Route the shift cables and brake hoses through the split ring (4) as shown below (see pages 2-7 for different routing examples).

5. Complete the headset assembly as shown to the left.
   **NOTE:** If cutting the steerer tube, cut 2mm above the stem. Make sure the stem is in its final position with the required spacers underneath. The 2mm of clearance is required to hold the 5mm spacer (1) above the stem in place.

---

1. Spacer (5mm) — 5253930
2. Frame routing cap — W5253579
3. Frame routing cap grommet — W5253580
4. Headset split ring — W5266050
5. Headset bearings — W540243
6. Front derailleur cable
7. Rear derailleur cable
8. Front brake hose
9. Rear brake hose
Install the IsoSpeed

1. Carefully remove the IsoSpeed covers (7, 8) with a paint-safe plastic pry bar.
2. Remove the bolt (1), nut (6), and washers.
3. Use a 50/50 isopropyl alcohol/water mix to clean the nut threads (6), bolt threads (1), and the inside of the bushings (4, 5).
4. Apply threadlocker to the nut threads.
5. Apply grease to the bolt and nut as shown below.

**NOTICE:** Do not apply grease to the threads.

6. Place the washers on the bolt. Tighten the nut to 10Nm while securing the bolt with a wrench as shown below.

7. Re-install the IsoSpeed covers.

8. Allow the assembly to cure for 24 hours at room temperature (72°F/22°C).
Install the IsoSpeed

1. Carefully remove the IsoSpeed covers (2, 3) with a paint-safe plastic pry bar.
2. Remove the bolt (9), nut (8), and washers.
3. Use a 50/50 isopropyl alcohol/water mix to clean the nut threads (8), bolt threads (9), and the inside of the bushings (7, 12).
4. Apply threadlocker to the nut threads.
5. Apply grease to the bolt (9) as shown below.

**NOTICE:** Do not apply grease to the threads.

6. Install the hardware as shown on page 12. Torque the bolt (9) to 15Nm.

**NOTE:** On some early production models, the bolt may have “8Nm” incorrectly etched into the head. Disregard this etching.

8. Re-install the IsoSpeed covers.

9. Allow the assembly to cure for 24 hours at room temperature (72 °F/22 °C).
Storage door

1. Storage door kit — 5256900
2. Mount screws
3. Bolt (M5x8mm) — 596823
4. Bolt (M5x16mm) — 596821
Frame guards

1. Chainstay frame guard — W5253575
2. Button head screws — 1042535
3. Down tube guard — 5253574
Chainkeeper

Adjust the chainkeeper

1. Shift to the lowest gear (largest rear cassette cog) and inner chainring.
2. Loosen the top screw on the chainkeeper.
3. Rotate the loose piece so there is 1mm of horizontal clearance to the chain.
4. Tighten the top screw.
Accessories — SL

Water bottle cage adapters
For frames 54cm or larger, you can fit three water bottle cages in the frame triangle using the adapters.

Mounting inserts
All mounting inserts are M5x0.8.

Rack, fenders, and frame bag
NOTE: Use only steel fasteners to attach racks, bags, and fenders. Do not use aluminum fasteners as they are not rated for these loads.

1. Fender mount bolts — 317700
2. Bolt (M5x8mm) — 596823
3. Bolt (M5x16mm) — 596821
4. Frame bag
5. Water bottle cage adapters — W5271627
**Accessories — SLR**

**Water bottle cage adapters**
For frames 54cm or larger, you can fit three water bottle cages in the frame triangle using the adapters.

**Mounting inserts**
All mounting inserts are M5x0.8.

**Fenders and frame bag**
**NOTE:** Use only steel fasteners to attach fenders and bags. Do not use aluminum fasteners as they are not rated for these loads.

1. Fender mount bolts — 317700
2. Bolt (M5x8mm) — 596823
3. Bolt (M5x16mm) — 596821
4. Frame bag
5. Water bottle cage adapters — W5271627

Rear fender

Front fender
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>SL</th>
<th>SLR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rear hub OLD</strong></td>
<td>142mm</td>
<td>142mm</td>
</tr>
<tr>
<td><strong>Seat post OD</strong></td>
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<td></td>
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<tr>
<td><strong>Seat post clamp ID</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Seatmast ID</strong></td>
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<td></td>
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<tr>
<td><strong>Upper fork steerer tube OD</strong></td>
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<td>28.6mm</td>
</tr>
<tr>
<td><strong>Lower fork steerer tube OD</strong></td>
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<tr>
<td><strong>Bottom bracket type/width</strong></td>
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<td>T47/85.5mm</td>
</tr>
<tr>
<td><strong>Brake rotor diameter min/max</strong></td>
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<td>140/160mm</td>
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<tr>
<td><strong>Chainline (1x)</strong></td>
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<td>45mm (SRAM)</td>
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<tr>
<td><strong>Chainline (2x)</strong></td>
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<td>45mm (SRAM)</td>
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<tr>
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<td>43.5 (Shimano)</td>
<td>43.5 (Shimano)</td>
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<tr>
<td><strong>Chainring max (1x)</strong></td>
<td>46t (SRAM)</td>
<td>46t (SRAM)</td>
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<tr>
<td><strong>Chainring max (2x)</strong></td>
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<td></td>
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<td>Small</td>
<td>37t</td>
<td>37t</td>
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<tr>
<td>Large</td>
<td>50t</td>
<td>50t</td>
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<td><strong>Tire width max 700c (without fenders)</strong></td>
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<td>45mm (1.8&quot;)</td>
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<td>53.5mm (2.1&quot;)</td>
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<tr>
<td><strong>Fender compatible — rear</strong></td>
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<tr>
<td><strong>Fender compatible — front</strong></td>
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<td>Yes</td>
</tr>
<tr>
<td><strong>Rack mount compatible</strong></td>
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</tr>
<tr>
<td><strong>Dropper post compatible</strong></td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

### Headset bearing dimensions (W540243)

![Headset bearing dimensions](image-url)