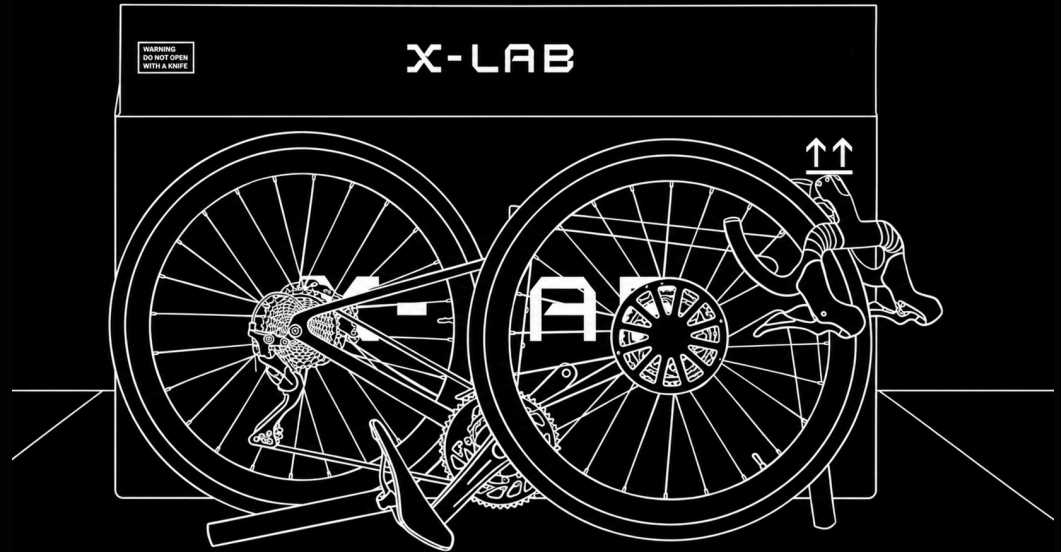


ROAD & GRAVEL BIKE ASSEMBLY GUIDE



X-LAB

X-LAB / ASSEMBLY GUIDE

ROAD / GRAVEL

Bike Assembly Guide

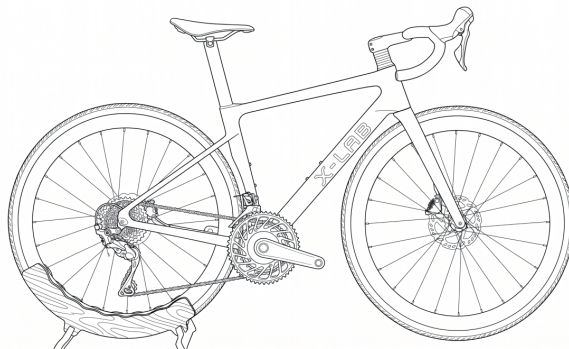
Initial assembly, setup, and safety instructions

AD9 / AD8 / RT9 / RS7 Di2 / RS7 / RS5 / GT8



READ BEFORE RIDING

Complete every applicable step and verify all torque values before riding the bicycle.



ROAD / GRAVEL BIKE

Contents

Assembly sequence

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Seatpost procedure by model

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USE ONLY THE APPLICABLE PROCEDURE

The front wheel and handlebar procedures apply to all listed models. Use the seatpost procedure identified for your bicycle model.

SAFETY / TOOLS

Before You Begin

Intended use

This guide provides initial assembly and setup instructions for X-LAB AD9, AD8, RT9, RS7 Di2, RS7, RS5, and GT8 bicycles.



IMPORTANT

Read and follow every applicable instruction before riding. Improper assembly, adjustment, or modification may create unsafe riding conditions and may result in serious injury or damage.

The rider is responsible for ensuring the bicycle is properly assembled and inspected in accordance with this guide before riding.

Required tools

- Metric hex key set: 3 mm, 4 mm, 5 mm, and 6 mm
- Torque wrench capable of measuring bicycle-specific torque values
- Scissors or snips

Skill level advisory

Correct assembly and adjustment are critical to rider safety, performance, and comfort.

QUALIFIED SERVICE If you do not have prior bicycle assembly experience, or are unsure about any step, stop and have a certified, reputable bicycle technician perform the assembly and initial inspection.

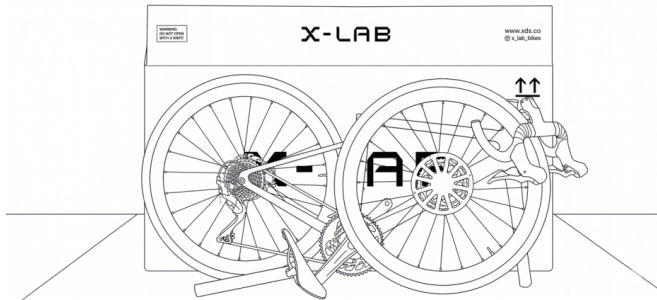
Official assembly videos may provide supplemental visual guidance, but they do not replace the written instructions or safety warnings in this guide.

Assembly discipline

- Read the complete guide before beginning.
- Use the exact torque value specified for each fastener or component.
- Stop and consult a qualified technician if any step is unclear.

NOTICE Failure to tighten fasteners to the specified torque may result in component damage or unsafe riding conditions.

Unboxing and Initial Inspection



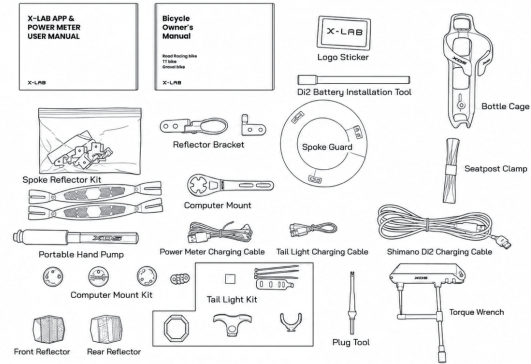
Remove and support the bicycle

- Carefully remove the bicycle and all components from the shipping box. Use scissors or snips to remove zip ties, foam, protective paper, and other shipping material.
- Place the bicycle on a stable, flat, soft surface.
- Verify that all supplied components are present and undamaged.



DO NOT PROCEED

If any component is missing or damaged, stop assembly and contact X-LAB Customer Support.



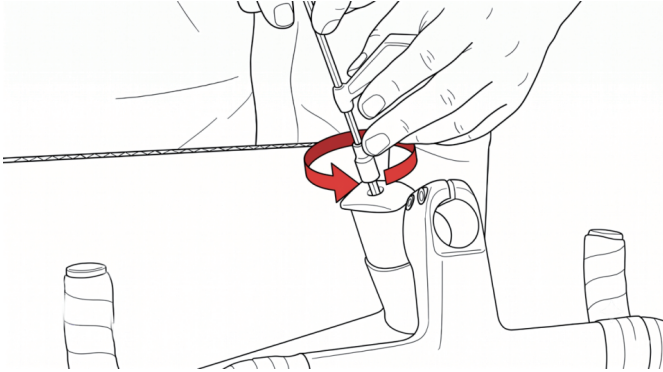
Check the accessory box

- Unpack everything from the Accessory Box. Box contents vary by model; you may not receive every item shown, and your bicycle may include model-specific parts such as Di2 battery charging cables.

BEFORE CONTINUING Identify the parts and tools required for your model and keep them within reach.

ASSEMBLY / 02

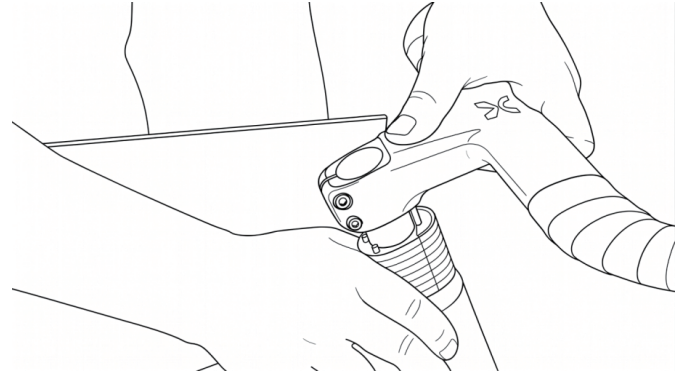
Install the Handlebar / Stem Assembly



Remove the shipping spacer

- Using a 4 mm hex key, loosen the center bolt, remove the top cap from the fork steerer tube, and remove the cardboard spacer.

TOOL 4 mm hex key



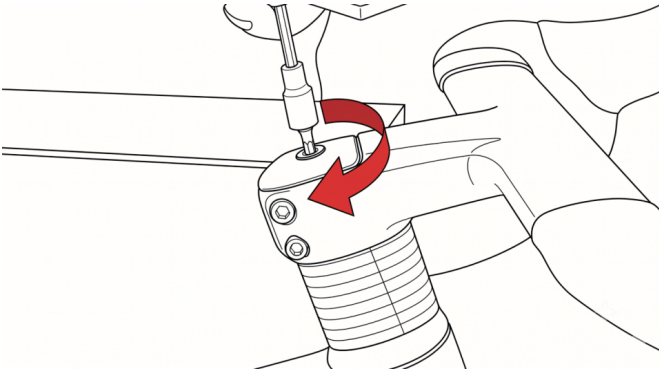
Install the stem

- Gently slide the stem and handlebar assembly onto the fork steerer tube. Align the pins on the spacers with the holes on the bottom of the stem to avoid damaging the spacers.

PROTECT THE SPACERS Do not force the stem onto misaligned spacer pins.

ASSEMBLY / 02-03

Handlebar / Stem and Front Wheel



Reinstall the top cap

- Reinstall the top cap and center bolt on the stem and handlebar assembly. Use a 4 mm hex key to thread in the center bolt. The bolt will be tightened in a later step.

TOOL 4 mm hex key



Install the Front Wheel

- Lift the front of the bicycle and remove the spacer from the brake caliper. After the spacer is removed, do not squeeze the front brake lever.

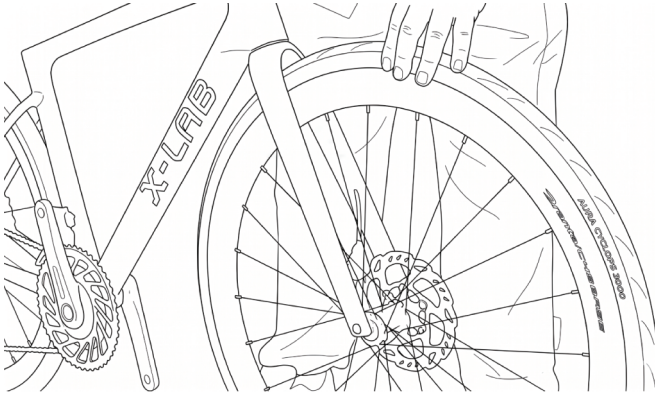


BRAKE CAUTION

Squeezing the lever without the wheel or spacer installed can close the brake pads.

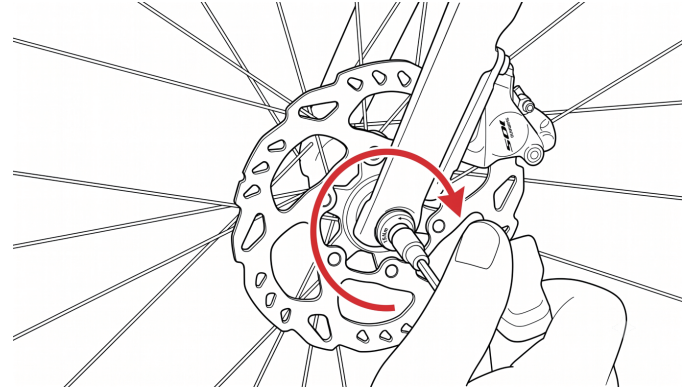
ASSEMBLY / 03 / CONTINUED

Install and Secure the Front Wheel



Seat the wheel in the fork

- Guide the front wheel into the fork with the hub axle between the fork legs.
- Position the brake disc inside the brake caliper.
- Confirm that the axle is fully seated in both fork legs.



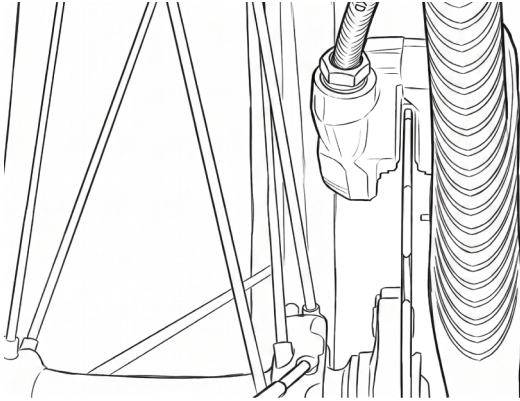
Secure the thru axle

- Insert the thru axle into the opening at the bottom of the front fork. Turn it clockwise by hand for at least three full turns.
- Using a 6 mm hex key, tighten the axle securely.

TORQUE 12 Nm or 15 Nm – use the value marked on your axle

ASSEMBLY / 04

Brake Check and Handlebar Alignment



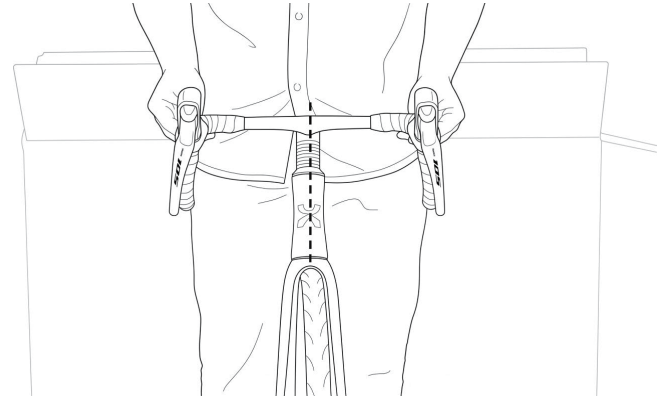
Check Brake Alignment

- Spin the front wheel and inspect the disc brake system.
- There must be no rotor rubbing.
- There must be no abnormal noise.
- Squeeze the front brake lever to confirm proper brake engagement and lever feel.



DO NOT RIDE

If there is rotor rubbing, abnormal noise, or poor brake engagement, stop and correct the problem before riding.

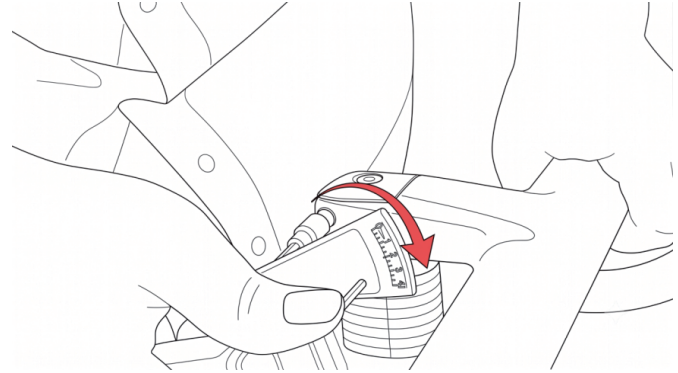
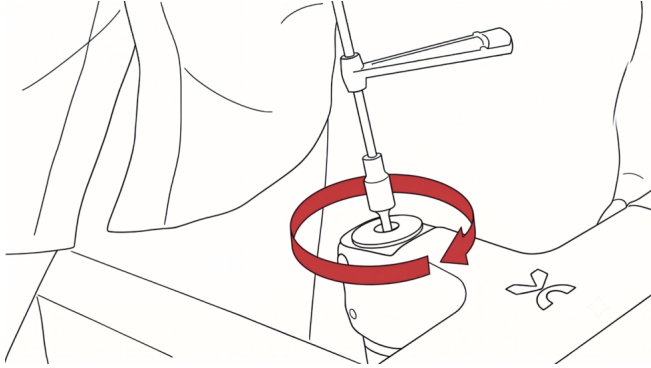


Align and Tighten the Handlebar

- Stand over the bicycle's top tube and align the handlebar with the front wheel.

ALIGNMENT CHECK Sight down the stem and front tire before tightening any stem bolts.

ASSEMBLY / 04 / CONTINUED

Tighten the Stem**Tighten the center bolt**

- Using a 4 mm hex key, tighten the stem center bolt. Confirm that the spacer pins remain aligned with the holes on the bottom of the stem.

TORQUE 4–5 Nm

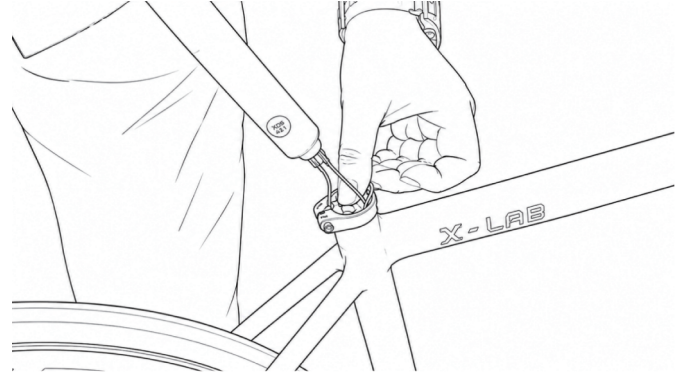
Tighten the side bolts

- Using a 4 mm hex key, alternately tighten the bolts on each side of the stem so clamping force increases evenly on the fork steerer tube.

TORQUE 6 Nm

FINAL ALIGNMENT Recheck that the handlebar remains aligned with the front wheel.

MODEL-SPECIFIC / ELECTRONICS

Connect the Di2 Battery**Open and identify the ports** RT9 / RS7 DI2

- Use the Plug Tool to remove two plugs from the seatpost-installed battery.
- Identify the port with the metal contacts.

TOOL Plug Tool

Connect and protect the wires RT9 / RS7 DI2

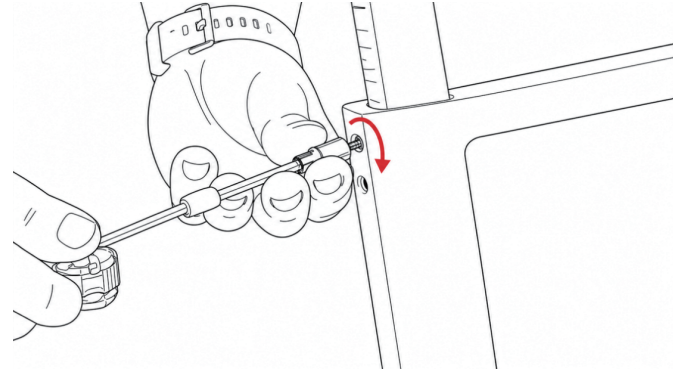
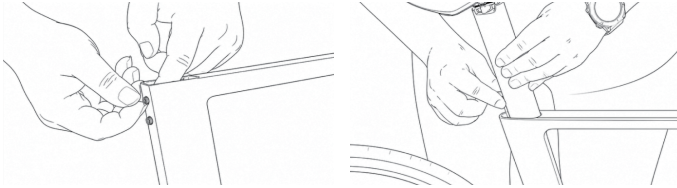
- Using the Plug Tool, connect one wire to the port with metal contacts. Connect the other wire to either remaining port.
- Carefully tuck the wires into the seat tube. Avoid pinching or crushing the wires when inserting the seatpost.

**WIRE ROUTING**

Keep both wires clear of the seatpost and clamp hardware.

MODEL-SPECIFIC / AD9 + AD8

Install the Seatpost



Position the clamp assembly AD9 / AD8

- Slide the seat collar assembly with the 3 mm hex screws into the frame. Take care not to drop it into the seat tube.
- Position the threaded seat collar assembly against the seatpost.
- Insert the seatpost and seatpost clamp assembly into the bicycle frame.

Tighten the seatpost clamp AD9 / AD8

- Using a 3 mm hex key, alternately tighten the top and bottom seatpost clamp bolts so clamping force increases evenly.



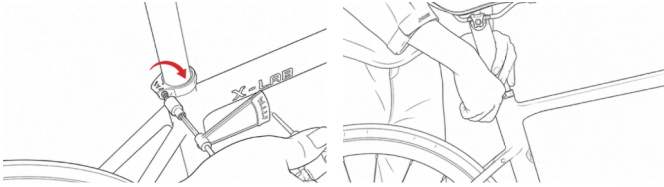
WARNING

The seatpost must be inserted beyond the MIN INSERT mark. Failure to do so may result in serious injury or frame damage.

TORQUE 2.5 Nm

MODEL-SPECIFIC / ROAD + GRAVEL

Install the Seatpost



Standard external clamp RT9 / RS5 / GT8

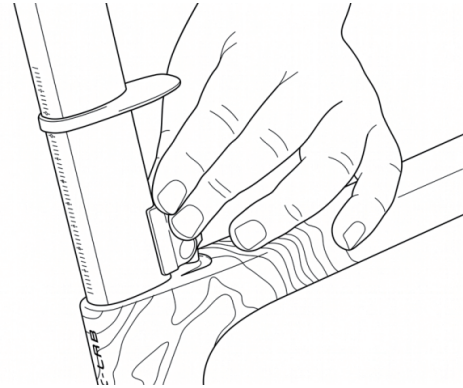
- Insert the seatpost into the bicycle frame.
- Using a 4 mm hex key, tighten the seatpost clamp.



WARNING

The seatpost must be inserted beyond the MIN INSERT mark. Failure to do so may result in serious injury or frame damage.

TORQUE 6 Nm

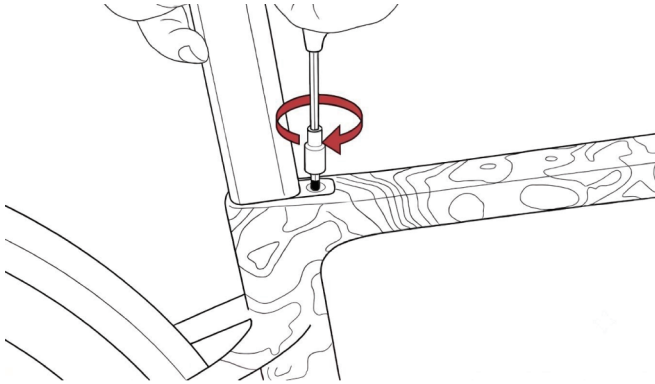


Install the clamp and seatpost RS7 Di2 / RS7

- Slide the rubber gasket onto the seatpost.
- Position the seatpost clamp against the seatpost, taking care to avoid scratches.
- Insert the seatpost and seatpost clamp into the bicycle frame.

MODEL-SPECIFIC / RS7 Di2 + RS7 / CONTINUED

Finish the RS7 Seatpost Installation



Set the height and tighten

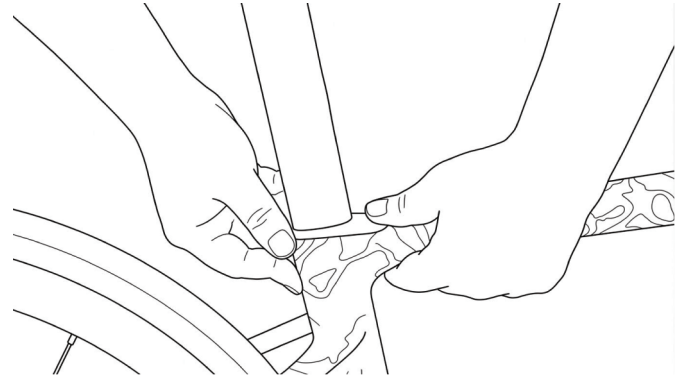
- Adjust the seatpost to the desired height.
- Using a 4 mm hex key, tighten the seatpost clamp. Depending on seat height, you may need to use the included 4 mm L-wrench.



WARNING

The seatpost must be inserted beyond the MIN INSERT mark. Failure to do so may result in serious injury or frame damage.

TORQUE 8-10 Nm



Seat the rubber gasket

- Slide the rubber gasket down to the base of the seatpost.

CHECK THE SEAL Confirm that the gasket sits evenly against the frame and is not folded or pinched.

BEFORE THE FIRST RIDE

Final Assembly Check

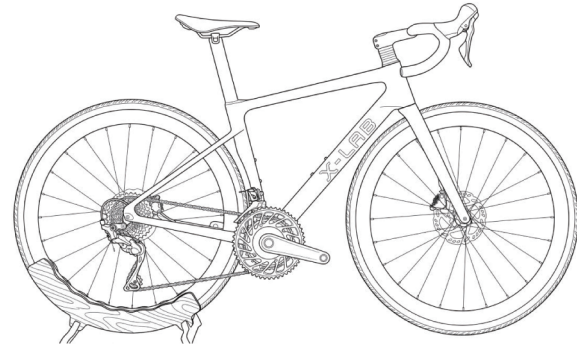
Confirm every applicable item

- The front wheel is fully seated and the thru axle is tightened to the value marked on the axle.
- The front brake engages normally, with no rotor rubbing or abnormal noise.
- The handlebar is aligned with the front wheel and all stem fasteners are tightened to specification.
- The seatpost is beyond the MIN INSERT mark and the model-specific clamp is tightened to specification.
- No wire, cable, gasket, spacer, or clamp is pinched, damaged, loose, or incorrectly positioned.



DO NOT RIDE

If any check fails or any assembly step is uncertain, stop and consult a certified bicycle technician.



Assembly complete. Your X-LAB bicycle is ready for its final technician or owner inspection.

X-LAB

BUILT IN THE LAB. PERFECTED ON THE ROAD.

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