

## Bike E-Bike+ eBike Maintenance Schedule

### Introduction

Owning eBikes require regular maintenance to ensure safety, performance, and longevity—similar to maintaining a conventional bicycle or a car.

To maintain the eBikes effectively, these six maintenance schedules will be followed.

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### Pre-Ride Checklist

Estimated Time: 10 minutes

Task	Tools	Instructions
Check Tire Pressure	Tire Pressure Gauge	Ensure tire pressure is within the range specified by the manufacturer, found on the sidewall of the tire. Fill or release air as necessary.
Inspect Brakes	N/A	While rolling the eBike beside you, pull each brake lever. The eBike should come to a stop immediately.
Check Headset	N/A	Pull the front brake and rock the eBike back and forth. There should be no play in the handlebar mount. Tighten if needed and re-test.
Clean & Lube Chain	Chain Lube & Rag	With the tires off the ground, hold the chain with a clean rag and spin the pedals, allowing the chain to cycle through the rag to clean off dirt. Apply lube.
Check Wheel Tightness	N/A	Ensure each wheel's axle nuts are tight, and check for any wheel wobble. Tighten as needed.
Check Battery Charge	N/A	Turn on your eBike and confirm it is sufficiently charged for your journey.

## Post-Ride Checklist

Estimated Time: 76 minutes

Task	Tools	Instructions
Inspect Tires & Rims	N/A	Check for debris and damage on the rims and tires.
Check Shifter & Derailleur	N/A	With the tires off the ground, turn the pedals and shift through the gears. The eBike should shift seamlessly. Check the derailleur for debris.
Wipe Down Frame	Clean, damp rag	Wipe the frame with a rag and inspect for any damage or cracks.
Wipe Down Chain	Clean Rag	With the tires off the ground, hold the chain with a rag and spin the pedals to clean. Frequency depends on climate and terrain.
Check Pedals	N/A	Inspect pedals for any signs of cracking or damage.
Check Wheel Straightness	N/A	Spin each wheel and look down the tire to ensure there is no wobble.
Charge Battery	Battery Charger	Charge the battery to ensure your eBike is ready for your next ride.

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## Maintenance Schedules

### Weekly eBike Checklist

Basic checks that require minimal tools:

- Wipe down chainrings, cassette, and derailleur pulleys; check for alignment.
- Inspect brake pads for wear.
- Check all hardware for proper torque.
- Inspect the frame for any signs of damage.

## Monthly eBike Checklist

More thorough inspection and tuning requiring specific tools;

- Check brake pad alignment and brake cable tension.
- Verify derailleur shifting and inspect for chain stretch.
- Lubricate all braking and gear shifting cables, including the drivetrain.
- Check spoke tension and true wheels if necessary.
- Tighten any accessories (rack bolts, fender hardware) and ensure alignment.

## Six-Month eBike Checklist

Complete tune up? recommended twice a year for daily riders;

- Adjust brakes for proper functionality.
- Adjust gear shifters for smooth operation.
- Lubricate brake and gear shifting systems.
- Ensure drivetrain is functioning correctly.
- True wheels.
- Check bearing systems.
- Safety check all bolts.
- Inspect all cables and housing.

Annual eBike Checklist will be completed at Erik's Bike Shop

Example of tasks performed;

Comprehensive inspection involving a complete breakdown of the eBike;

- Perform all tasks from the six-month checklist.
  - Inspect and clean all components.
  - Lubricate all moving parts.
  - Reassemble the eBike, ensuring all components are functioning properly.
- Recommended annually for daily commuters and every 7-8 months for casual riders;