

GLIDEBIKE

Your E-Bike Maintenance Partner

E-BIKE CLEANING & MAINTENANCE CHECKLIST

Keep Your E-Bike Running at Peak Performance

How to Use This Checklist

This comprehensive maintenance checklist is designed to help you maintain your e-bike properly and track your maintenance history. Regular cleaning and maintenance extend component life, improve safety, and preserve resale value.

What's Included:

- Step-by-step cleaning procedures
- Frequency-based maintenance schedules
- Maintenance tracking log
- Troubleshooting quick reference
- Safety reminders and pro tips

Tips for Best Results:

- Print this checklist and keep it in your garage or workshop
- Check off items as you complete them
- Log dates and mileage in the tracking section
- Review the entire checklist before each maintenance session
- Refer to your e-bike's owner manual for model-specific requirements

After Every Ride

- Time: 5 minutes
- ✓ Quick frame wipe-down
- ✓ Visual damage check
- ✓ Remove visible mud/debris

Weekly Cleaning

- Time: 20-30 minutes
- ✓ Full exterior wash
- ✓ Chain clean & lube
- ✓ Brake inspection

Monthly Deep Clean

- Time: 45-60 minutes
- ✓ Complete drivetrain service
- ✓ Detailed inspection
- ✓ Torque check all bolts

Seasonal Service

- Time: 1-2 hours
- ✓ Professional inspection
- ✓ Bearing service
- ✓ Cable replacement check

Complete Cleaning Procedure

Follow this step-by-step process for thorough, safe e-bike cleaning

Step 1: Pre-Cleaning Preparation

- ☐ Remove battery and store safely indoors at room temperature
- ☐ Cover display with plastic bag secured with tape
- ☐ Cover exposed electrical ports and connections
- ☐ Position bike on workstand or suitable cleaning location
- ☐ Gather all cleaning supplies and tools needed

Step 2: Initial Rinse

- ☐ Use low-pressure water only (garden hose, never pressure washer)
- ☐ Avoid spraying directly at: motor, battery compartment, bearings, display, electrical connections
- ☐ Rinse from top to bottom letting gravity help remove debris
- ☐ Remove large chunks of mud or debris by hand first

Step 3: Apply Cleaning Solution

- ☐ Mix bike-specific soap according to product instructions
- ☐ Apply with soft sponge to frame, working in sections
- ☐ Use detail brushes for hard-to-reach areas (motor casing, cable guides, battery mount)
- ☐ Work in shaded area to prevent soap from drying on frame
- ☐ Clean around motor seals carefully without forcing water into gaps

Step 4: Deep Clean Drivetrain

- ☐ Apply degreaser to chain, cassette, and chainrings
- ☐ Use chain cleaning tool or stiff brush to scrub chain thoroughly
- ☐ Clean between cassette cogs with brush or rag
- ☐ Scrub chainrings removing all built-up grime
- ☐ Clean derailleur pulleys and jockey wheels

⚠ CRITICAL WARNING: Never use high-pressure washers on e-bikes. High pressure forces water into bearings, motor seals, and electrical connections, causing expensive damage. Always use low-pressure water only.

Cleaning Procedure (Continued)

Complete these final steps for proper maintenance

Step 5: Clean Wheels and Brakes

- ☐ Scrub tire treads with stiff brush to remove embedded debris
- ☐ Clean rims thoroughly especially brake tracks
- ☐ Clean disc brake rotors with isopropyl alcohol (never soap)
- ☐ Inspect brake pads for wear, contamination, or embedded debris
- ☐ Check spoke tension while cleaning wheels

Step 6: Final Rinse and Inspection

- ☐ Rinse thoroughly from top to bottom with low-pressure water
- ☐ Ensure all soap residue removed to prevent dirt attraction
- ☐ Inspect frame for cracks, damage, or loose components
- ☐ Check for loose bolts especially on stem, handlebars, seatpost
- ☐ Look for cable fraying or housing damage

Step 7: Thorough Drying (CRITICAL)

- ☐ Dry entire frame with microfiber cloths
- ☐ Pay special attention to: battery contacts, charging port, display connections
- ☐ Use compressed air to remove water from tight spaces
- ☐ Let bike air dry for 30 minutes before reinstalling battery
- ☐ Dry chain thoroughly to prevent flash rust

Step 8: Lubrication and Protection

- ☐ Apply fresh chain lubricant (wet for rain, dry for dust)
- ☐ Wipe excess lube immediately from outside of chain
- ☐ Lightly lubricate pivot points and derailleur pulleys
- ☐ Apply frame protectant or wax to vulnerable areas
- ☐ Clean and apply dielectric grease to battery contacts
- ☐ Reinstall battery and test all electrical systems

📍 PRO TIP: Take photos of your bike after each deep clean. This helps you track component wear over time and catch developing issues early. Date-stamp photos for easy reference.

Maintenance Schedule Guide

Adjust frequency based on your riding conditions

After Every Ride

- Quick wipe-down of frame
- Remove visible mud/debris
- Visual damage inspection
- Check tire pressure
- Test brakes briefly

Weekly (Regular Use)

- Full exterior wash
- Chain cleaning & lubrication
- Brake inspection and test
- Battery contact check
- Tire condition inspection
- Check all lights working

Monthly Deep Clean

- Complete drivetrain degrease
- Spoke and wheel detailing
- All bolts torque check
- Electrical connection inspection
- Cable housing check
- Brake pad wear check
- Frame protection application

Seasonal Service

- Professional inspection
- Bearing service/replacement
- Cable replacement if needed
- Full protective wax application
- Battery health check
- Motor diagnostic check

Maintenance Log

Track your cleaning and maintenance to monitor component wear patterns

Date	Mileage	Type of Service	Notes / Issues Found

Your Personal Notes & Reminders

Quick Troubleshooting Guide

Common post-cleaning issues and solutions

🔊 Squeaky Brakes After Cleaning

- Problem:**
Brakes squeal or make noise when applied
- Solution:**
Remove wheels, clean disc rotors with isopropyl alcohol. If squeaking persists, roughen brake pads with sandpaper or replace if contaminated. Never use soap on rotors or pads.

🔗 Chain Squeaking Despite Lubrication

- Problem:**
Chain makes noise even after applying lubricant
- Solution:**
You likely over-lubricated or didn't clean thoroughly first. Remove excess lube with clean rag, then reapply sparingly. Lube goes inside rollers, not on outside surfaces.

🖥 Display Acting Strangely

- Problem:**
Display shows errors, flickering, or won't turn on
- Solution:**
Moisture in display connection. Disconnect display cable, dry both ends with compressed air, apply dielectric grease, reconnect. Let bike sit in warm, dry location for several hours.

⚙️ Poor Gear Shifting After Cleaning

- Problem:**
Gears skip, don't shift smoothly, or won't engage
- Solution:**
Degreaser removed lubricant from pivot points. Lightly lubricate all derailleur pivots. If cables feel sticky, they may need replacement. Adjust barrel adjusters for fine-tuning.

🔋 Battery Connection Issues

- Problem:**
Battery won't connect, intermittent power, or error messages
- Solution:**
Check battery contacts for corrosion or moisture. Clean with isopropyl alcohol, dry thoroughly, apply thin layer of dielectric grease. Ensure mounting mechanism is clean and secure.

🔧 Grinding or Clicking Noises

- Problem:**
New grinding, clicking, or unusual sounds after cleaning
- Solution:**
STOP RIDING IMMEDIATELY. Investigate source before continuing. Could indicate damaged bearing, loose components, or motor issues. If unsure, seek professional inspection.

⚠ WHEN TO SEEK PROFESSIONAL HELP: Motor grinding noises, battery connection issues that don't resolve, damaged frame welds or cracks, significant play in headset or bottom bracket, hydraulic brake problems beyond simple cleaning. Never ignore unusual noises after cleaning - they're warning signs, not coincidences.

💡 PREVENTION TIP: Take a short test ride in a safe area after every cleaning session. Test brakes multiple times, shift through all gears, and listen for any unusual sounds. This helps catch issues immediately rather than discovering them mid-commute.

Essential Cleaning Supplies

Everything you need for proper e-bike maintenance

✓ Basic Cleaning Kit

- ☐ **Soft sponges (non-abrasive)**
For frame and painted surfaces
- ☐ **Chain cleaning device**
Essential for thorough chain cleaning
- ☐ **Two buckets**
One for wash, one for rinse
- ☐ **Degreaser**
For drivetrain cleaning
- ☐ **Bike-specific soap**
pH-balanced, won't damage seals
- ☐ **Microfiber cloths**
Lint-free for drying
- ☐ **Detail brushes (various sizes)**
For tight spots and components
- ☐ **Garden hose**
Low-pressure rinse only

✓ Lubrication & Protection

- ☐ **Chain lubricant**
Wet formula for rain, dry for dust
- ☐ **Frame protectant/wax**
UV protection and dirt resistance
- ☐ **Dielectric grease**
For electrical connections
- ☐ **Isopropyl alcohol**
For brake rotor cleaning

✓ Tools for Post-Cleaning Checks

- ☐ **Multi-tool / hex key set**
For bolt adjustments
- ☐ **Tire pressure gauge**
Accurate inflation
- ☐ **Torque wrench**
Proper bolt tightening
- ☐ **Compressed air (optional)**
For drying tight spaces

⚠ NEVER USE: Pressure washers, car wash facilities, harsh household cleaners (dish soap, all-purpose cleaners), WD-40 as chain lubricant, steam cleaners, or any cleaning method that forces water into components.

Component Replacement Schedule

Track these wear items and plan replacements:

Component	Typical Lifespan	Date Installed	Replace By
Chain	2,000-3,000 miles		
Cassette	4,000-6,000 miles		
Brake Pads	1,000-2,000 miles		
Tires	2,000-4,000 miles		
Brake Cables	Annually or as needed		
Battery	500-1,000 charge cycles		

Visit GlideBike for Premium E-Bike Tools & Accessories

Find all the tools and products mentioned in this checklist at:

www.glidebike.com

This checklist is provided for informational purposes. Always consult your e-bike manufacturer's manual for model-specific maintenance requirements. GlideBike is not responsible for damage resulting from improper maintenance procedures.

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