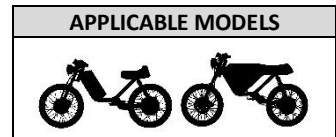




ONYX Motorbikes Maintenance and Service Interval Guide



Take care of your ONYX Motorbike, and it will take care of you...! This document provides reference information, procedures, and other supporting information for a suggested regular maintenance schedule that can be used as a general guideline.



CAUTION

If you are not confident in your ability to successfully and safely perform maintenance or repair tasks, we recommend having the work performed by a local, certified, and reputable bike mechanic. Contact ONYX Motorbikes for assistance with finding a suitable service shop near you.

CHECKS TO DO BEFORE YOUR FIRST RIDE

Check and adjust your ONYX according to the schedule below unless service is needed otherwise:



WARNING

Use of the ONYX Motorbike can result in serious damage, injury, or death. Read and understand the ONYX RCR User Manual before operating and riding the bike.

Before Your FIRST Ride OR After Any Major Service

At minimum, do the following on your bike before every ride:

- Check All Handlebar Hoses, Cables, and Wire Connections
NOTE: Wires and hoses should not be pinched, pulled, or get in the way at all when the handlebars are turned to the left and right.
- Check the Headlight, Tail Light, & Any Other Installed Lighting for Proper Operation
- Check Tire Rotation – Should Spin Smooth & Straight (NOTE: Some light brake pad rub with new pads and/or rotors is normal.)
- Check Tire Pressure (32 psi Front & Rear)
- Check Front & Rear Brake Operation
- Check Battery Charge Level (ideally a full charge, but at least more than 60 volts)
- Check & Torque Fork, Axle, Handlebar, & Suspension Nuts (see RCR or CTY Torque Specs Table)
- Check & Adjust Front Brake (if necessary)
- Check & Adjust Rear Brake (if necessary)
- Check Front Brake Fluid Level (DOT3 Brake Fluid Only)
- Check for Tight & Secure Battery Strap to Ensure that Battery Will Not Move
- Check for Complete & Secure Battery Cable Connection
- Check Rear Wheel & Motor Alignment
- Check & Adjust Bicycle Chain Tension
- Check Tightness of ALL Nuts and Bolts (see RCR or CTY Torque Specs Table)



RECOMMENDED BASIC REGULAR MAINTENANCE SCHEDULE

Your ONYX Motorbike will last you forever if you properly service and maintain it. However, the frequency of your service checks and part replacements will vary depending on how much *fun* you have with your ONYX Motorbike. Under normal circumstances, check and adjust your ONYX according to the schedule below at minimum:



CAUTION

Always take note of any component wear such as cracks, scratches, or changes in color or operation. These changes may indicate that a part needs to be serviced or replaced. If the useful life of a component is surpassed it can cause unexpected loss of function, which can result in damage, serious injury, or even death.



<p>BEFORE Every Ride</p> <p>At minimum, do the following on your bike before every ride:</p> <ul style="list-style-type: none"> ○ Check the Headlight, Tail Light, & Any Other Installed Lighting for Proper Operation ○ Check Tire Rotation – Should Spin Smooth & Straight ○ Check Tire Pressure (32 psi F&R) ○ Check Front & Rear Brake Operation ○ Check Battery Charge Level ○ Check & Torque Fork, Axle, Handlebar, and Suspension Nuts (see RCR or CTY Torque Specs Table)
<p>1 Month (or 30 Hours)</p> <p>After you have had 1 month (or 30 hrs) of fun, do all of the following:</p> <ul style="list-style-type: none"> ○ Check & Adjust Front & Rear Brake ○ Check Front Brake Fluid Level (DOT3) ○ Check Battery Strap to Make Sure Battery Is Secure ○ Lube Bicycle Chain & Freewheel ○ Check Rear Wheel & Motor Alignment
<p>12 Months (or 200 Hours)</p> <p>After you have had 12 months (or 200 hrs) of awesome journeys, do all of the 6 Month Service items as well as all of the following:</p> <ul style="list-style-type: none"> ○ Check Battery Connections ○ Check Tire Tread Depth ○ Change Alarm Key Fob Battery ○ Check Tightness of ALL Nuts and Bolts (see RCR or CTY Torque Specs Table)

<p>AFTER Every Ride</p> <p>At minimum, do the following on your bike after every ride:</p> <ul style="list-style-type: none"> ○ Wipe Down & Dry Frame & Rest of Bike Parts Using a Soft Cloth ○ Carefully Check Tires for Any Debris ○ If Storing Outside, Cover The Bike, Install Lock, & Set Alarm ○ Check Basic Care Items (see Basic Care)
<p>6 Months (or 100 Hours)</p> <p>After you have had 6 months (or 100 hrs) of great times, do all of the 1 Month Service items as well as all of the following:</p> <ul style="list-style-type: none"> ○ Check & Adjust Bicycle Chain Tension ○ Lube Rear Brake Cable ○ Inspect & Clean Frame ○ Check Rear Hub Motor Cable Condition and Clearance ○ Lube All Moving Parts & Bearings
<p>24 Months (or 400 Hours)</p> <p>You and your bike have been through a lot. After you have had 24 months (or 400 hrs) of amazing adventures, do all of the 12 Month Service items as well as all of the following:</p> <ul style="list-style-type: none"> ○ Change Front Brake Fluid (DOT3) ○ Change Front Brake Pads ○ Change Rear Brake Pads ○ Check & True Front and Rear Wheel Rims



SERVICE NOTES

BASIC CARE – THE BARE BONES BASICS

	1. Regularly clean and lubricate all moving parts, tighten nuts/bolts, and adjust as required. This includes all steering, bicycle pedals, suspension, and wheel parts. See the RCR Hardware and Torque Specs Service Notes document for hardware and tightening information for your ONYX Motorbike.
	2. Keep your bike clean by wiping the frame with a damp cloth. If needed, apply a mild cleaner or soap mixture to the damp cloth and wipe the frame. Dry your bike by wiping with a clean, dry cloth. Never hose down or submerge the bike or any components in water or liquid as the electrical system may be damaged.
	3. Occasionally check wiring and connectors, especially up and around the handlebars, to ensure there is no damage and that the connectors are secure. Also check the condition of any wire wrap and cable ties to make sure that they are intact. Replace any that are loose, frayed, or partially cut.
	4. Properly maintain your battery by keeping it charged or charging before use. Please note that it is possible and normal for the battery to lose some charge if it is left sitting for a few days, so it may be necessary to top it off for as long as a couple of hours if you need the battery to have a full charge for your intended ride. If you know that you will not be riding for more than one week, keep the battery charged to more than a 50% level and keep the battery at room temperature. See the BATTERY CARE/MAINTENANCE/SAFETY TIPS section of your RCR User Manual for more useful information about battery use and care.
	5. Whenever possible, store your ONYX Motorbike under shelter or cover it with a quality cover. Even using a large barbecue cover can work well! Otherwise, avoid leaving the bike in the rain or exposed to corrosive materials. If exposed to rain, dry your bike afterwards and apply anti-rust treatment to chain and other unpainted steel surfaces.
	6. Riding on and near the beach in coastal areas or even in areas that may use road salt for ice and snow can expose your bike to salt, which is very corrosive. If you ride in these areas, wipe down your bike frequently and wipe or spray all unpainted parts with anti-rust treatment. Please note that damage due to corrosion is NOT covered under warranty so special care should be given to extend the life of your bike when used in coastal areas or areas with salty air or water.
	7. If the front hub, front fork, or swing arm bracket have been submerged in water or liquid, they should be taken apart to be cleaned and greased with a quality grease. Even though the rear hub motor is protected and sealed against dirt and water intrusion to an IP54 level, it should not be submerged in water. A splash through a small creek or large puddle is normally fine, but it doesn't mean that you should trudge across a river. If you do plunge into excessive amounts of water with the rear hub motor, try to get it to a dry environment as soon as possible, dry it off, and let it air dry as long as possible.
	8. If the paint has become scratched or chipped in the metal, use colored touch up paint or even clear nail polish on the scratch to help prevent rust. If rust has already started, carefully clean the rust off with a small wire brush or emery cloth, and coat the scratch with touch up paint.