

ROCKTILE 24360

Rocktile 24360 Electric Guitar Kit Instruction Manual

Model: 24360

INTRODUCTION

This instruction manual provides comprehensive guidance for the assembly, setup, operation, and maintenance of your Rocktile 24360 Electric Guitar Kit. This kit is designed for individuals who wish to build their own electric guitar. Please read all instructions carefully before beginning assembly to ensure proper construction and safe use.

SAFETY INFORMATION

- Always disconnect any power sources before working on electrical components.
- Use appropriate tools and wear safety glasses when cutting, drilling, or soldering.
- Keep small parts out of reach of children.
- Ensure all connections are secure to prevent electrical shorts or malfunctions.
- Handle sharp tools and guitar strings with care to avoid injury.

PACKAGE CONTENTS

Before starting assembly, verify that all components are present in your kit:

- Paulownia Wood Guitar Body
- Maple Neck with Rosewood Fretboard
- Pre-wired Pickguard Assembly (with pickups, potentiometers, switch, and output jack)
- Tremolo Bridge System
- Set of 6 Tuning Machines
- Nickel Guitar Strings
- Neck Plate and Screws
- Strap Buttons

- Various Screws, Springs, and Small Hardware
- Tremolo Arm

SETUP AND ASSEMBLY

Follow these steps to assemble your electric guitar kit. It is recommended to perform a dry fit of components before final assembly.

1. Preparing the Body and Neck

The guitar body and neck are provided unfinished. You may choose to sand, stain, paint, or clear-coat these components before proceeding with hardware installation. Ensure all surfaces are smooth and clean.



Image: Unfinished guitar body and neck components.

2. Attaching the Neck

1. Align the neck heel with the neck pocket on the guitar body. Ensure a snug fit.
2. Place the neck plate over the four pre-drilled holes on the back of the body, aligning it with the neck heel.
3. Secure the neck to the body using the four provided neck screws. Tighten them gradually and evenly to avoid stripping the wood or misaligning the neck.

3. Installing Hardware

1. **Tuning Machines:** Install the tuning machines into the headstock holes. Secure them with the provided screws and washers.
2. **Bridge:** Position the tremolo bridge on the guitar body, aligning it with the pre-drilled holes. Secure it

with the appropriate screws. Install the tremolo springs and claw in the back cavity of the guitar body.

3. **Strap Buttons:** Install the strap buttons at the designated locations on the body.



Image: Assortment of hardware and electronic components for assembly.

4. Wiring and Pickguard Installation

1. Carefully place the pre-wired pickguard assembly onto the guitar body, ensuring the pickups align with their cavities and the potentiometers and switch fit through their respective holes.
2. Connect the output jack wires from the pickguard to the output jack mounted on the side of the guitar body.
3. Connect the ground wire from the tremolo bridge to the ground connection on the pickguard assembly.
4. Secure the pickguard to the body using the small screws provided.

5. Stringing the Guitar

1. Thread each string through the corresponding hole in the tremolo bridge.
2. Pull each string over the bridge saddles, across the fretboard, and through the tuning machine post on the headstock.
3. Wind the string around the post, ensuring a few wraps for tuning stability, and tighten the tuning machine.

OPERATING THE GUITAR

1. Connecting to an Amplifier

Insert a standard 1/4-inch instrument cable into the output jack on your guitar. Connect the other end of the cable to an electric guitar amplifier.

2. Basic Controls

- **Volume Knob:** Controls the overall output volume of the guitar. Turn clockwise to increase volume, counter-clockwise to decrease.
- **Tone Knobs:** Adjust the treble frequencies. Turning clockwise brightens the sound, while turning counter-clockwise mellows it.
- **Pickup Selector Switch:** This switch allows you to select different pickups or combinations of pickups, altering the guitar's tonal characteristics. Experiment with different positions to find your

preferred sound.

3. Tuning

Use an electronic tuner to accurately tune your guitar. The standard tuning for a 6-string guitar from thickest to thinnest string is E-A-D-G-B-e.

MAINTENANCE

Regular maintenance will prolong the life and playability of your guitar.

- **Cleaning:** Wipe down the guitar body, neck, and strings with a soft, dry cloth after each use to remove sweat and dirt. Use guitar-specific cleaning products for deeper cleaning, avoiding harsh chemicals.
- **String Replacement:** Replace strings regularly, typically every 1-3 months depending on usage, to maintain optimal tone and playability. Replace one string at a time to maintain neck tension.
- **Fretboard Care:** Periodically clean and condition the rosewood fretboard with a suitable fretboard oil to prevent drying and cracking.
- **Hardware Inspection:** Periodically check all screws and hardware for tightness. Loose components can affect tuning stability and tone.
- **Truss Rod Adjustment:** The truss rod, located inside the neck, adjusts neck relief. This is a delicate adjustment and should only be performed by experienced individuals or a qualified guitar technician to avoid damage to the neck.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **No Sound:**
 - Check if the amplifier is on and properly connected.
 - Ensure the instrument cable is fully inserted into both the guitar and amplifier.
 - Verify the guitar's volume knob is turned up.
 - Check for loose wiring connections inside the guitar's control cavity.
- **Buzzing or Fret Noise:**
 - Check if strings are properly seated in the nut and bridge saddles.
 - Ensure frets are level. If not, professional fret leveling may be required.
 - Adjust string action at the bridge.
 - Inspect for loose hardware or components.
- **Poor Tuning Stability:**
 - Ensure strings are properly wound around tuning posts with sufficient wraps.
 - Check for worn or faulty tuning machines.
 - Lubricate the nut slots with graphite to reduce friction.
 - Ensure the tremolo system is balanced and springs are correctly tensioned.

SPECIFICATIONS

Feature	Specification
Product Dimensions	72 x 50 x 8 cm
Item Model Number	00024360
Back Material	Paulownia
Body Material	Paulownia
Fretboard Material	Rosewood
Guitar Pickup Configuration	S (Single Coil)
Scale Length	65 cm
String Material	Nickel
Top Material	Paulownia Wood
Number of Strings	6
Guitar Bridge System	Tremolo
Neck Material Type	Maple
Item Weight	3.6 Kilograms
Hand Orientation	Right

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the retailer where the kit was acquired. Keep your proof of purchase for any warranty claims.