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AlveyTech Power Core XLR90 (ZK1200-DH-LED)

AlveyTech Razor 90 Series Controller - Power Core XLR90 (ZK1200-DH-LED) Instruction Manual

Model: Power Core XLR90 (ZK1200-DH-LED)

Product Overview

This manual provides essential information for the installation, operation, and maintenance of your AlveyTech Razor 90 Series Controller, specifically the Power Core XLR90 (ZK1200-DH-LED) model. This control module is designed to manage the electrical components of your electric scooter, ensuring proper function and performance.

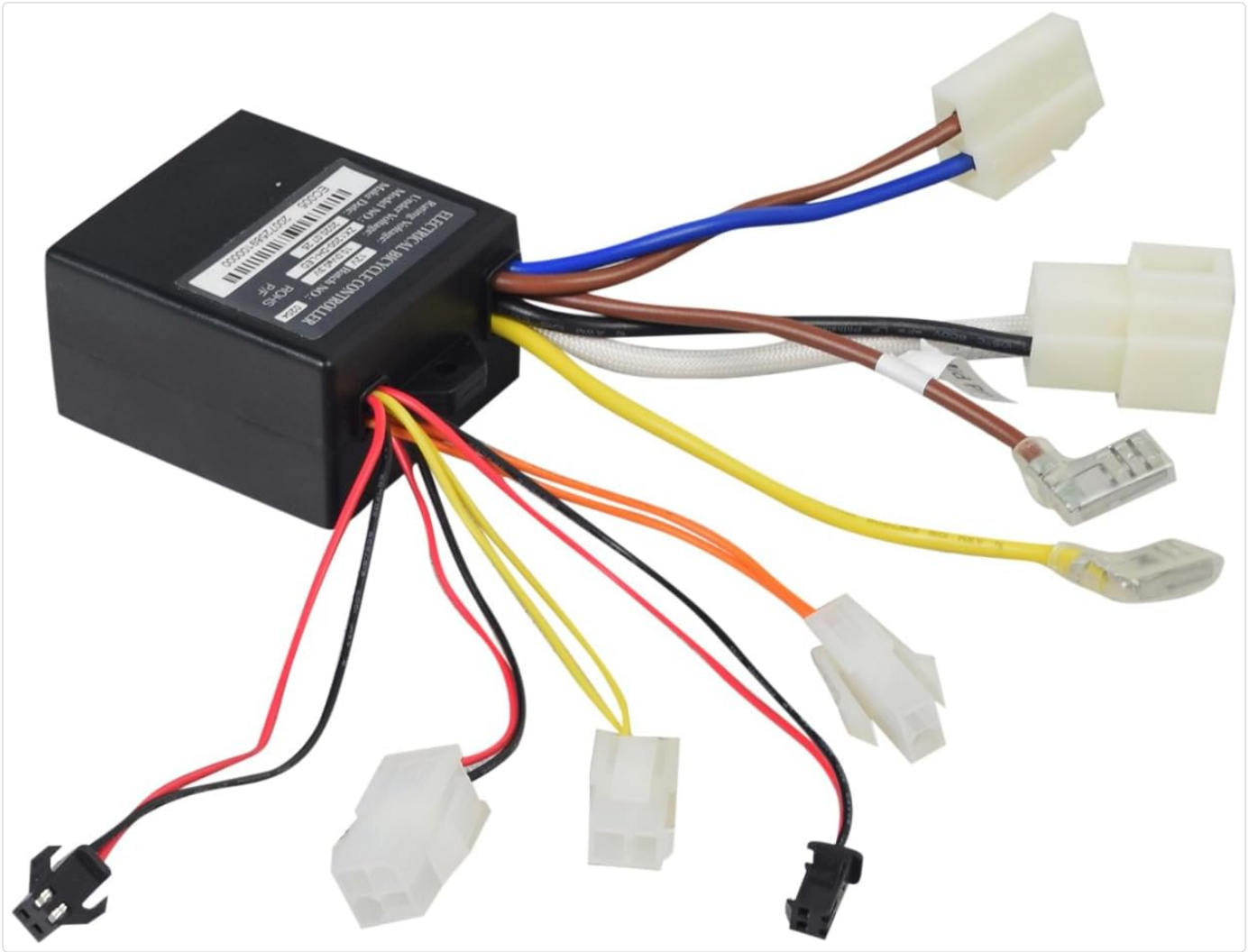


Image: AlveyTech Razor 90 Series Controller, Power Core XLR90 (ZK1200-DH-LED). This image shows the compact electronic control module with various connectors.

Important Safety Information

- **Adult supervision is required** during installation.
- This product involves electrical components. **Always disconnect the battery** before attempting installation or removal.
- For outdoor use only.
- Not suitable for children under 13 years of age.

Compatibility

This control module is designed for the **Razor 90 Series Electric Scooter**. It is crucial to verify your scooter's specific model version to ensure correct compatibility before installation. Selecting the wrong version is a common cause of returns and improper function.
Compare your existing control module's model number to the specifications provided to ensure you have the correct replacement part.

Identifying Your Scooter's Model Version

To determine the correct version of your Razor product, locate the product ID code. This code can typically be found on the battery cover, the bottom of the scooter's frame, or on the original charger that came with the vehicle.
The **7th and 8th numbers** in your product ID code indicate the version number (e.g., "01" for Version 1, "02" for Version 2, "09" for Version 9, etc.).
This specific controller (ZK1200-DH-LED) is compatible with:

- **Power Core E90 Glow** Versions 1+
- **Power Core XLR90** Versions 1+

Note: Other Razor 90 Series models may require different controllers. Always verify your specific model and version.

Package Contents

- 1x Throttle Control Module (AlveyTech Razor 90 Series Controller - Power Core XLR90 ZK1200-DH-LED)

Installation Guide

Follow these steps to replace your scooter's control module:

1. **Safety First:** Ensure the scooter is turned off and the battery is completely disconnected before beginning any work. This prevents electrical shock and damage to components.
2. **Locate the Existing Controller:** Identify the current control module within your scooter. This typically involves removing a cover or panel.
3. **Disconnect Wires:** Carefully disconnect all wires from the old control module. Note that each connector is uniquely shaped and sized to prevent incorrect reattachment.
4. **Remove Old Controller:** Once all wires are disconnected, remove the old control module from its mounting.
5. **Install New Controller:** Position the new AlveyTech control module in the same location.
6. **Connect Wires:** Reconnect all wires to the new control module. Match each connector to its corresponding port.

The unique shapes and sizes will guide you. Ensure all connections are secure.

7. **Secure and Test:** Once all connections are made, reattach any covers or panels. Reconnect the battery and perform a functional test to ensure the scooter operates correctly.

If you encounter any difficulties, refer to the troubleshooting section or consult a qualified technician.

Operation

The control module acts as the "brain" of your electric scooter, regulating power delivery from the battery to the motor based on throttle input. Once correctly installed, the scooter should respond to throttle commands, allowing for acceleration and speed control. No specific user operation is required for the controller itself beyond proper installation.

Maintenance

The AlveyTech control module is designed for durability and requires minimal maintenance. To ensure its longevity:

- Keep the area around the controller clean and free from dust, dirt, and moisture.
- Avoid exposing the scooter to extreme temperatures or direct water spray.
- Periodically check all electrical connections to ensure they remain secure and free from corrosion.
- If the scooter is stored for extended periods, ensure the battery is properly maintained according to the scooter's manufacturer guidelines.

Troubleshooting

If your scooter is not functioning correctly after installing the new control module, consider the following common issues:

- **No Power/Intermittent Power:**
  - Check battery charge level. Faulty batteries are a common cause of power issues.
  - Ensure all electrical connections to the controller are secure and correctly plugged in.
  - Inspect wiring for any visible damage or loose connections.
- **Scooter Not Responding to Throttle:**
  - Verify the throttle unit itself is functioning correctly. A faulty throttle can prevent the controller from receiving input.
  - Ensure the throttle connector is securely attached to the control module.
- **Incorrect Version:** Double-check that the installed control module is the correct version for your specific Razor 90 Series scooter model, as outlined in the "Identifying Your Scooter's Model Version" section.

If troubleshooting steps do not resolve the issue, it may indicate a problem with another component (e.g., motor, battery, throttle) or require professional assistance.

Product Specifications

Specification	Detail
Brand	AlveyTech
Model	Power Core XLR90 (ZK1200-DH-LED)
Manufacturer Part Number	90 Series Electric Scooter Controller

Compatibility	Razor 90 Series Electric Scooter (Specific versions)
Included Components	Throttle Control Module
Item Weight	10.4 ounces
Item Dimensions	6 x 6 x 2 inches
Material Type	Aluminum
Recommended Age	13+ years

Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your original scooter or contact AlveyTech customer service. Keep your purchase receipt as proof of purchase.

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