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› ToiCottage 24V Kids Ride-On Toy Car Start Circuit Board Instruction Manual

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Model: 24V Kids Ride-On Toy Car Start Circuit Board

Brand: ToiCottage

1. PRODUCT OVERVIEW

This manual provides instructions for the installation and operation of the ToiCottage 24V Kids Ride-On Toy Car Start Circuit Board. This circuit board is designed as a replacement part for compatible 24V ride-on toy cars, specifically Best Choice Products trucks and Power Wheels. Please note that this motherboard does not include a charging port.

Key Features:

- 24V Kids Ride-On Toy Car Start Circuit Board.
- Designed for replacement in compatible ride-on vehicles.
- Does not include a charging port.

What's in the Box:

- Circuit Board

Important: Ensure the back jacks are identical to your original board and that your car's battery is in good condition before installation.

2. SETUP AND INSTALLATION

This section details the proper installation of the circuit board and its associated switches. Careful attention to wiring is essential for correct functionality.

2.1 Circuit Board Overview



Figure 1: Front view of the ToiCottage 24V Kids Ride-On Toy Car Start Circuit Board, showing the display, USB port, MP3 jack, and various control buttons including TUNE, FM, MODE, START/STOP, V-/V+, and High/Low speed.

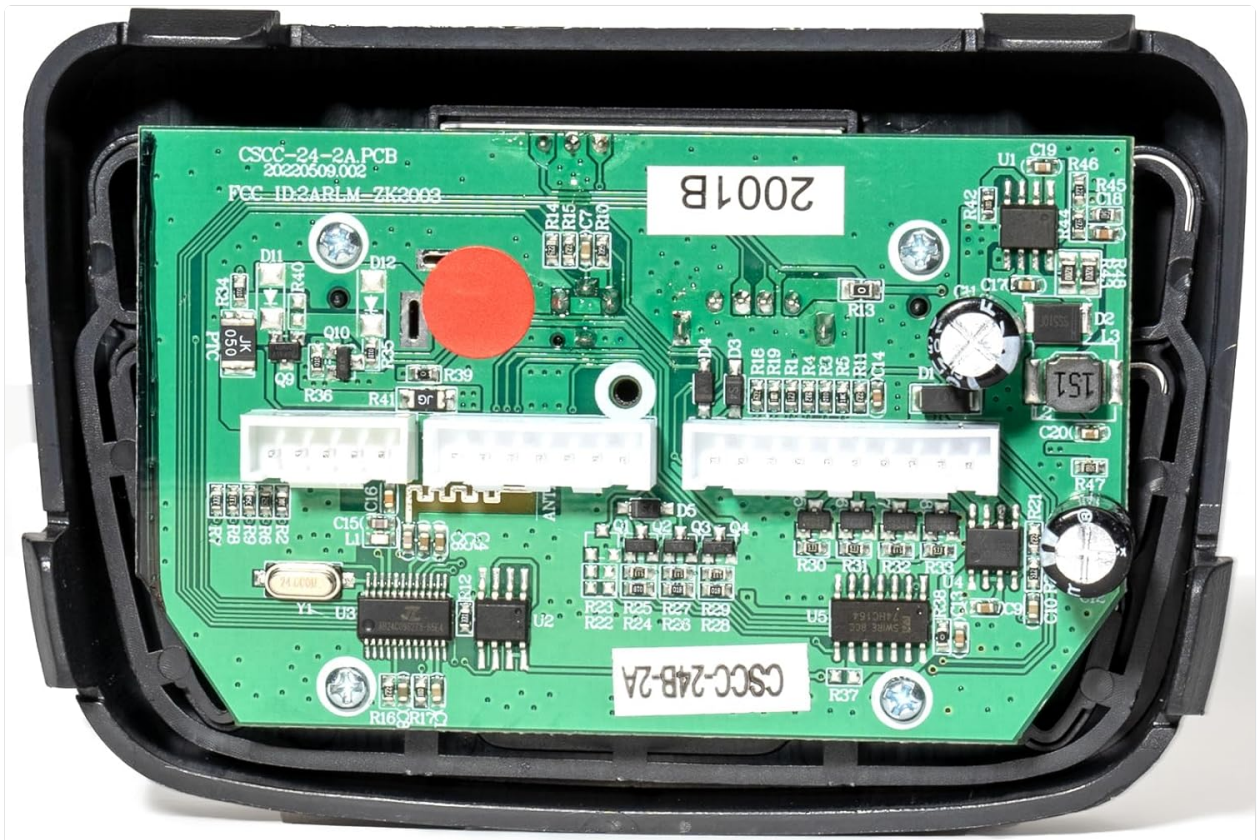


Figure 2: Rear view of the ToiCottage 24V Kids Ride-On Toy Car Start Circuit Board, displaying the internal electronic components, wiring, and connection points. Ensure these match your existing setup.

2.2 Wiring Harness and Switch Installation

The following video demonstrates the wiring process for the various switches and connections. Please follow the instructions carefully.

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Video 1: Complete product introduction and wiring guide. This video provides a detailed overview of connecting the various switches and components to the circuit board.

Detailed Wiring Steps:

1. **Foot Pedal Switch:** The foot pedal switch wiring consists of two blue lines. These should be connected to the corresponding pins on the foot pedal switch.
2. **High and Low Speed Switch:** The high and low speed switch wiring should have two pins on the high speed side. Ensure these are connected correctly.
3. **One-Button Start Power Switch:** The black cable connects to the middle pin of the start power switch. The other two wires can be freely connected to the remaining two pins.
4. **Forward and Backward Push Handle Switch:** This switch corresponds to 'R' gear (yellow wire), 'P' gear (blue wire), and 'D' gear (green wire). These three pins must be connected on the same side of the switch.

Important Note on Connectors: When installing or removing wires from connectors, press the elastic button or protrusion on the connector to release the wire. Do not force wires in or out without pressing the release mechanism to avoid damage.

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Video 2: Basic assembly of the product, demonstrating the connection of motors and other components to the circuit board, and testing the remote control functionality.

3. OPERATING INSTRUCTIONS

This section covers the operation of the ride-on toy car using the remote control and the functions of the circuit board.

3.1 Remote Control Functions and Matching Steps

The remote control allows for wireless operation of the ride-on toy car. It features buttons for speed adjustment, stopping, and directional control (Front, Back, Left, Right).

- a. **First Time Use:** This product has a memory function. If replacing the battery, re-matching the code is generally unnecessary.
- b. **Hold Down 'S' Key:** To initiate the remote control matching process, hold down the 'S' key on the remote control for 3 seconds. The first LED indicator on the remote will begin to flicker.
- c. **Turn On Car Power:** While the remote's LED is flickering, turn on the power to the ride-on car. The first LED on the remote should then light up steadily, indicating successful matching.
- d. **Remote Standby:** If the remote control is not used for 10 seconds, it will enter standby mode to conserve battery. Press any key on the remote to wake it up.
- e. **Key Captions:** The remote control buttons correspond to the following functions:
 - 'A': Forward movement
 - 'V': Backward movement
 - '<': Turn Left
 - '>': Turn Right
 - 'S': Speed adjustment
 - 'P': Brake function
- f. **Speed Settings:** Press the 'S' key to cycle through speed settings:

- 1 LED lit up: Low speed.
- 2 LEDs lit up: Medium speed.
- 3 LEDs lit up: High speed.
- Note: Backward movement is always at low speed.

g. **Brake Function:** Press the 'P' key to engage the brake and bring the car to a stop. All LEDs on the remote will flicker when the brake is activated.

4. MAINTENANCE

No specific maintenance instructions are provided for the circuit board itself beyond ensuring proper connections. For general ride-on toy car maintenance, refer to your vehicle's original manual.

- Keep the circuit board dry and free from dust and debris.
- Regularly check all wiring connections to ensure they are secure.
- Ensure the battery of your car is in good condition as specified in the product overview.

5. TROUBLESHOOTING

No specific troubleshooting steps are provided for the circuit board. If the ride-on toy car is not functioning correctly after installing the circuit board, consider the following general checks:

- **Power Supply:** Verify that the car's battery is fully charged and properly connected.
- **Connections:** Double-check all wiring connections to the circuit board and switches for looseness or incorrect placement.
- **Remote Control:** Ensure the remote control is properly matched to the circuit board as per the "Remote Control Matching Steps" in Section 3.1.
- **Switches:** Confirm that all switches (foot pedal, speed, start, forward/backward) are functioning correctly and are wired as instructed.
- **Compatibility:** Reconfirm that this 24V circuit board is compatible with your specific ride-on toy car model.

If issues persist, it is recommended to consult a qualified technician or the ride-on car manufacturer's support.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	5 x 2.5 x 1 inches
Item Weight	0.48 ounces
ASIN	B0DCDP3CW7
Manufacturer Recommended Age	20 months - 5 years
Manufacturer	ToiCottage

7. WARRANTY INFORMATION

No specific warranty information is provided in the product data. Please refer to the seller or manufacturer's official website for any available warranty details.

8. SUPPORT

For further assistance or technical support, please contact ToiCottage customer service through the platform where the product was purchased. Ensure you have your product model number and purchase details ready.