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> Tamiya CC01 RC Toyota FJ Cruiser Vehicle (TAM58588) Instruction Manual

## TAMIYA TAM58588

# Tamiya CC01 RC Toyota FJ Cruiser Vehicle Instruction Manual

Model: TAM58588

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## 1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Tamiya CC01 RC Toyota FJ Cruiser Vehicle (Model TAM58588). The Toyota FJ Cruiser is a highly detailed 1/10 scale remote-controlled replica, mounted on the robust CC-01 Cross Country chassis. This model features independent front suspension and a rear 4-link rigid suspension, designed for realistic trail running. Please read this manual thoroughly before beginning assembly or operation to ensure correct usage and to maximize the performance and longevity of your model.



Figure 1.1: Tamiya CC01 RC Toyota FJ Cruiser Vehicle (Model TAM58588).

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury or damage to the product and surrounding property.

- Read all instructions carefully before use.
- This product is not a toy. It is a sophisticated model that requires careful assembly and operation.
- Keep out of reach of small children. Recommended minimum age is 14 years due to small parts and complex assembly.
- Always operate your RC vehicle in a safe, open area away from people, pets, and obstacles.
- Never operate near public roads, water, or in crowded areas.
- Ensure all batteries are charged correctly and safely. Disconnect batteries when not in use.
- Avoid contact with moving parts to prevent injury.
- Do not modify the product in ways not described in this manual, as this may lead to malfunction or damage.
- Use only genuine Tamiya parts and recommended accessories.

## 3. PACKAGE CONTENTS

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The Tamiya CC01 RC Toyota FJ Cruiser Vehicle kit includes the following components:

- CC-01 chassis components for full-time 4WD system.
- Front double wishbone and rear 4-link rigid suspension parts.
- 4 CVA oil dampers.
- Durable polycarbonate FJ Cruiser body.
- Separate parts for side mirrors, grille, light cases, and spare tire cover.

- Assembly hardware and detailed instruction manual.

#### Items Required for Operation (Sold Separately):

- 2-channel radio gear (transmitter and receiver).
- 7.2V rechargeable battery pack and compatible charger.
- Polycarbonate paint for body finishing.
- Electronic Speed Controller (ESC) and LED lights (not included despite some descriptions, purchase separately if desired).

## 4. SETUP & ASSEMBLY

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The Tamiya CC01 RC Toyota FJ Cruiser is a model kit that requires complete assembly. Follow the included detailed instruction manual provided in the kit for step-by-step guidance. Assembly typically takes several hours and requires patience and attention to detail.

### 4.1 Chassis Assembly

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Begin by assembling the CC-01 chassis. This involves constructing the full-time 4WD drivetrain, mounting the longitudinally placed motor, and assembling the front double wishbone and rear 4-link rigid suspension. Install the 4 CVA oil dampers according to the instructions to ensure proper suspension travel and damping.



Figure 4.1: Side view of the Tamiya CC01 chassis with FJ Cruiser body.

**Tip for Enhanced Performance:** For improved off-road capability, consider locking the differentials. The rear differential unit can be locked as per the kit instructions. For the front differential, some builders utilize a spare pinion gear or specialized locking parts (available separately) to achieve a locked state. This modification can significantly enhance traction on challenging terrain.

### 4.2 Body Assembly and Finishing

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The FJ Cruiser body is made of durable polycarbonate. After cutting and trimming the body shell, paint it using polycarbonate-specific paints. Apply decals carefully for a realistic finish. Attach the separate parts such as side mirrors, front grille, light cases, and the spare tire cover to complete the body's appearance.



Figure 4.2: Front 3/4 view of the Tamiya CC01 RC Toyota FJ Cruiser Vehicle, showcasing body details.

### 4.3 Electronics Installation

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Install your chosen 2-channel radio gear (receiver), Electronic Speed Controller (ESC), and steering servo into the chassis according to their respective manuals and the Tamiya kit instructions. Ensure all wiring is neat and secure, avoiding interference with moving parts. Connect the 7.2V battery pack.

## 5. OPERATING INSTRUCTIONS

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Once assembly is complete and all electronics are installed and calibrated, you are ready to operate your Tamiya CC01 RC Toyota FJ Cruiser.

1. **Pre-Run Check:** Ensure all screws are tight, wheels are securely attached, and the battery is fully charged. Check that the steering and throttle respond correctly to your transmitter inputs.
2. **Power On:** Turn on your transmitter first, then connect the battery to the vehicle's ESC.
3. **Driving:** Use the transmitter's controls to steer and accelerate/brake the vehicle. The CC-01 chassis with its 4WD system and robust suspension is designed for off-road and trail driving.
4. **Post-Run:** After use, disconnect the battery from the vehicle first, then turn off your transmitter. Clean the vehicle as necessary.

**Driving Tips:** The CC-01 chassis excels on varied terrain. Experiment with throttle control for smooth crawling over obstacles and enjoy its stable handling on loose surfaces.

## 6. MAINTENANCE

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Regular maintenance will ensure the longevity and optimal performance of your RC vehicle.

- **Cleaning:** After each run, especially in dusty or muddy conditions, clean the chassis and body. Use a soft brush or compressed air to remove dirt and debris. Avoid using water directly on electronics.
- **Inspection:** Periodically inspect all screws, nuts, and bolts for tightness. Check for any damaged or worn parts, such as suspension arms, driveshafts, or tires.
- **Lubrication:** Apply appropriate RC-specific grease or oil to moving parts like gears and bearings as recommended in the kit manual.
- **Battery Care:** Always store batteries in a cool, dry place. Follow the manufacturer's instructions for charging and discharging to prolong battery life and ensure safety.
- **Shock Absorbers:** Check the CVA oil dampers for leaks and ensure smooth operation. Refill or replace oil as needed.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Tamiya CC01 RC Toyota FJ Cruiser.

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	<ul style="list-style-type: none"> <li>• Transmitter or vehicle battery low/dead.</li> <li>• Transmitter not turned on.</li> <li>• Receiver not bound to transmitter.</li> <li>• Loose wiring connection.</li> </ul>	<ul style="list-style-type: none"> <li>• Charge/replace batteries.</li> <li>• Turn on transmitter first.</li> <li>• Re-bind receiver to transmitter (refer to radio gear manual).</li> <li>• Check all electrical connections.</li> </ul>
Gears not meshing properly or making grinding noise.	<ul style="list-style-type: none"> <li>• Incorrect motor pinion/spur gear mesh.</li> <li>• Damaged gears.</li> <li>• Debris in gearbox.</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust motor position for correct gear mesh (refer to kit manual).</li> <li>• Inspect and replace any damaged gears.</li> <li>• Open gearbox and clean thoroughly.</li> </ul>
Vehicle pulls to one side.	<ul style="list-style-type: none"> <li>• Steering trim incorrect.</li> <li>• Damaged steering linkage or suspension component.</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust steering trim on transmitter.</li> <li>• Inspect and replace any damaged parts.</li> </ul>

## 8. SPECIFICATIONS

Feature	Detail
Model Number	TAM58588
Chassis Type	CC-01 (Cross Country)
Drive System	Full-time 4WD
Suspension	Front: Double Wishbone, Rear: 4-Link Rigid with CVA Oil Dampers
Body Material	Polycarbonate
Power Source	Battery Powered (7.2V battery pack required, sold separately)
Assembly Required	Yes

Feature	Detail
Item Weight	3.2 Pounds (approx. 1.45 kg)
Item Dimensions (L x W x H)	12 x 12 x 5 inches (approx. 30.5 x 30.5 x 12.7 cm)
Manufacturer Minimum Age	48 Months (4 years), but recommended for 14+ due to complexity.

## 9. WARRANTY & SUPPORT

**Warranty:** This product is sold as a model kit and typically comes with no manufacturer's warranty. Please refer to the specific documentation included in your kit for any warranty information that may apply.

**Customer Support:** For technical assistance, missing parts, or further inquiries, please contact Tamiya customer support directly. Their contact information can usually be found on the product packaging or their official website.

