

TAMIYA 58705

Tamiya 58705A 1/10 RC Ford Bronco 2021 CC-02 Instruction Manual

Model: 58705 | Brand: TAMIYA

1. INTRODUCTION

Thank you for purchasing the Tamiya 58705A 1/10 RC Ford Bronco 2021 CC-02 assembly kit. This highly detailed radio-controlled model faithfully replicates the iconic Ford Bronco 2021, designed for enthusiasts who appreciate both realistic scale appearance and robust off-road performance. This manual provides essential information for the assembly, setup, operation, and maintenance of your RC model to ensure a safe and enjoyable experience.

2. SAFETY PRECAUTIONS

Read all instructions carefully before assembly and operation. Failure to do so may result in injury or damage.

- Always operate your RC model in a safe, open area away from people, pets, and obstacles.
- Adult supervision is recommended for users under the age of 14.
- Ensure all electronic components are properly connected and insulated to prevent short circuits.
- Handle batteries with care. Always use the correct charger and follow charging instructions. Do not overcharge or short-circuit batteries.
- Keep fingers, hair, and loose clothing away from moving parts such as gears, wheels, and propeller shafts.
- Do not operate the model in wet conditions unless specifically designed for it, as this model is not fully waterproof.
- Store the model and all components in a cool, dry place when not in use.

3. PACKAGE CONTENTS

The Tamiya 58705A 1/10 RC Ford Bronco 2021 CC-02 assembly kit includes the following:

- R/C Model Parts (unassembled kit)
- Assembly Instructions Manual

4. ITEMS REQUIRED FOR OPERATION (NOT INCLUDED)

To complete and operate your Tamiya RC Ford Bronco, you will need the following items, which are sold separately:

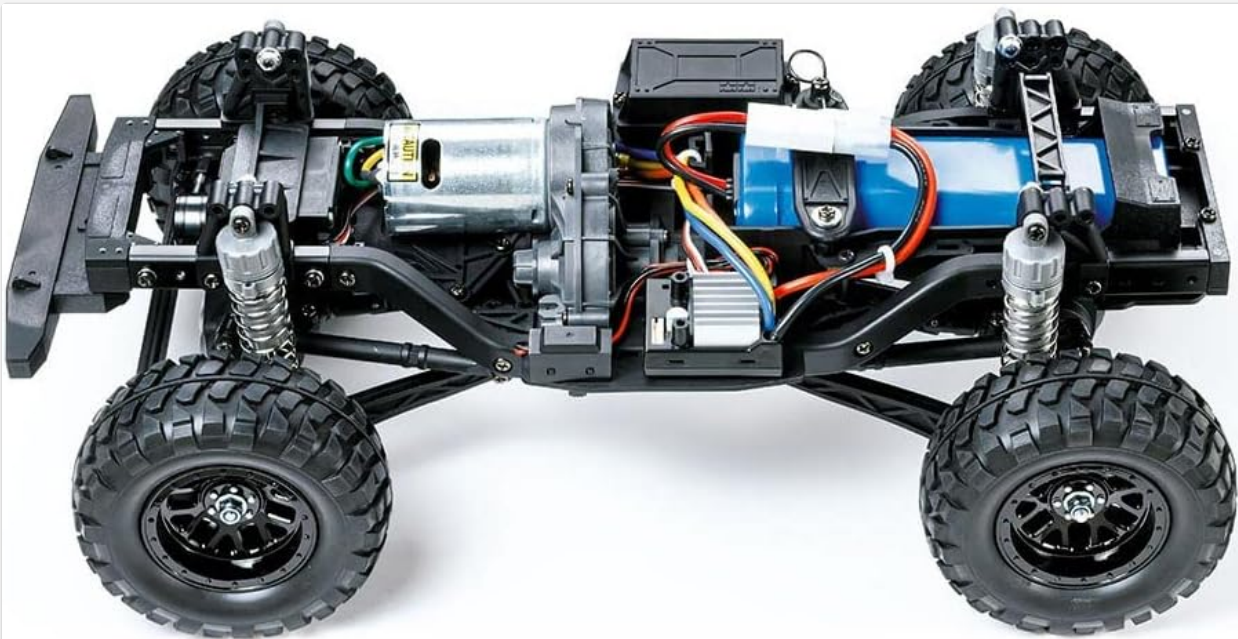
- 2-channel radio system (transmitter and receiver)
- Steering servo
- 7.2-volt battery pack
- Compatible battery charger
- Tamiya PS polycarbonate paint (for body finishing)

5. ASSEMBLY

This product is an assembly kit. Detailed step-by-step instructions are provided in the separate Assembly Instructions Manual included in the package. Please follow those instructions carefully for proper construction.

5.1 Chassis Assembly (CC-02)

The CC-02 chassis features a durable ladder frame, inspired by full-size vehicles, providing superior durability for off-road conditions. The 4WD setup employs the motor longitudinally behind the front axle, with a separated gearbox and transfer case. Propeller shafts transmit power to the differential gears at both the front and rear. A four-link rigid suspension is used on both axles, complemented by CVA oil dampers for comprehensive control over various terrains.



Detailed view of the CC-02 chassis, showcasing the motor, gearbox, transfer case, and suspension components. This image illustrates the robust design of the ladder frame and the layout of the drivetrain.

5.2 Body Assembly

The model features a 1.2mm thick polycarbonate body that accurately replicates the Ford Bronco 2021. Additional realism is achieved through PC-ABS H parts for grilles, mirrors, spare tire cover, and door handles, and metal-plated K parts for light casings. Painting the body requires Tamiya PS polycarbonate paint, as specified in the separate manual.



Close-up of the front grille and bumper of the Tamiya 1/10 RC Ford Bronco 2021, highlighting the PC-ABS H parts and metal-plated K parts for realistic detail.



Rear view of the Tamiya 1/10 RC Ford Bronco 2021, showing the detailed taillights, spare tire, and overall body shape.



The fully assembled Tamiya 1/10 RC Ford Bronco 2021 CC-02, featuring the detailed polycarbonate body, spare tire cover, and roof rack.

5.3 Wheel and Tire Assembly

The kit includes 12-spoke black wheels and semi-pneumatic rubber tires designed for effective traction on various surfaces. Ensure tires are properly mounted and glued to the wheels according to the assembly manual.

6. INITIAL SETUP

After completing the assembly, perform the following initial setup steps:

1. **Battery Charging:** Fully charge your 7.2-volt battery pack using the compatible charger. Always follow the charger's instructions and safety guidelines.
2. **Radio System Setup:** Install the receiver into the model and connect the steering servo and electronic speed controller (ESC) as per their respective manuals. Bind your 2-channel transmitter to the receiver.
3. **Steering Trim:** With the model powered on and the wheels off the ground, adjust the steering trim on your transmitter so that the front wheels are perfectly straight.
4. **Throttle Calibration:** Calibrate the ESC with your transmitter's throttle channel to ensure proper forward, reverse, and brake functions. Refer to your ESC manual for specific calibration steps.

7. OPERATING YOUR RC MODEL

The Tamiya RC Ford Bronco, with its CC-02 chassis, is designed for capable and fun R/C driving on various terrains, including rocky sections.

- **Starting:** Turn on your transmitter first, then the RC model.
- **Driving:** Use the throttle trigger for forward and reverse movement. Use the steering wheel/stick for left and

right turns.

- **Off-Road Performance:** The CC-02 chassis's robust design, 4WD system, and CVA oil dampers allow it to navigate challenging off-road environments. Practice in open areas to familiarize yourself with its handling characteristics.
- **Stopping:** Apply reverse throttle to engage the brake. To stop completely, return the throttle to neutral.
- **Ending Operation:** Turn off the RC model first, then the transmitter. Disconnect the battery from the model.

8. MAINTENANCE

Regular maintenance will prolong the life and performance of your RC model.

- **Cleaning:** After each use, especially after driving in dirt or dust, clean the model thoroughly. Use a soft brush or compressed air to remove debris from the chassis, suspension, and drivetrain.
- **Inspection:** Regularly check all screws, nuts, and bolts for tightness. Re-tighten any loose fasteners. Inspect the suspension components, drive shafts, and gears for wear or damage.
- **Lubrication:** Apply appropriate RC-specific grease or oil to moving parts such as gears and bearings as recommended in the assembly manual. Avoid over-lubrication.
- **Tires:** Check tires for wear and tear. Ensure they are securely mounted to the wheels.
- **Electronics:** Keep electronic components clean and dry. Inspect wiring for any fraying or damage.

9. TROUBLESHOOTING

If you encounter issues with your RC model, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Model does not respond to transmitter.	Battery low/dead; Transmitter/receiver not bound; Loose connections; Power switch off.	Charge/replace battery; Re-bind transmitter/receiver; Check all wiring connections; Ensure power switches are ON.
Erratic steering or no steering.	Steering servo issue; Loose servo horn/linkage; Transmitter trim incorrect.	Check servo operation; Secure servo horn/linkage; Adjust steering trim on transmitter.
Motor not running or weak.	Low battery; Motor/ESC connection issue; Motor damaged.	Charge battery; Check motor and ESC connections; Inspect motor for damage (replace if necessary).
Unusual noises during operation.	Debris in gears; Worn gears; Loose components.	Clean gears; Inspect and replace worn gears; Tighten all screws.

10. SPECIFICATIONS

Feature	Detail
Model Number	58705
Scale	1/10
Chassis Type	CC-02

Feature	Detail
Length	447mm (17.6 inches)
Width	204mm (8.03 inches)
Height	233mm (9.17 inches)
Wheelbase	252mm (Medium)
Item Weight	6.2 pounds
Recommended Age	14 months and up (Manufacturer's recommendation)
Body Material	1.2mm thick Polycarbonate
Drive Type	4WD

11. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and spare parts availability, please refer to the official Tamiya website or contact your local authorized Tamiya distributor. Keep your proof of purchase for any warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

