

TAMIYA 58719

TAMIYA 1/10 BBX BB-01 TAM58719 RC Off-Road Buggy Kit Instruction Manual

Model: BB-01 (Kit No. 58719)

1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your TAMIYA 1/10 BBX BB-01 TAM58719 2WD Off-Road Buggy Kit. This model combines classic design elements with modern performance features, offering an engaging building experience and dynamic off-road capabilities. Please read this manual thoroughly before beginning assembly or operation to ensure proper function and safety.

The BB-01 chassis is a newly designed 2WD platform, featuring a hybrid monocoque-roll cage structure and rear trailing arm suspension. Its body design, by artist Atsushi Arino, draws inspiration from 1980s sand rail dune buggies, complemented by retro wheels and tires.

2. PACKAGE CONTENTS

Upon opening your TAMIYA BBX BB-01 kit, please verify that all components are present. The kit includes:

- BB-01 Chassis components
- 0.7mm thick polycarbonate body (three sections)
- New metal-plated bead lock type wheels
- New large-diameter tires
- Driver figure
- Light cases
- 5th spare tire mount adapter
- Assembly hardware and small parts
- Instruction manual

Note: Electronic components such as motor, ESC, servo, receiver, battery, and charger are sold separately and are required for operation.

3. KEY FEATURES

- **Newly Designed 2WD Chassis:** Based on a one-piece monocoque frame and roll cage, allowing for realistic body designs.
- **Advanced Suspension System:** Features new front double wishbone suspension with A-shaped arms and rear trailing arm suspension with long trailing arms, inspired by UTVs for impressive performance.
- **Rear Motor Layout:** The 2WD chassis with a rear-positioned motor provides excellent rear traction, mirroring the layout of actual vehicles from the era.
- **High-Performance Dampers:** Four-wheel double wishbone suspension system utilizes CVA oil front/rear aluminum aeration dampers for superior handling and a classic aesthetic.
- **TA06 Rear Ball Differential:** Ensures consistent traction. Upgradeable with the separately sold TA-06 oil-filled gear differential for enhanced tuning options.
- **Full Ball Bearings:** Reduces friction and improves efficiency throughout the drivetrain.
- **Universal Drive Shafts:** Provides reliable power transfer to the wheels.
- **Easy Maintenance:** The rear roll cage can be removed by detaching screws, simplifying access for motor maintenance.
- **Realistic Details:** Includes a driver figure and light cases for enhanced realism.

4. SETUP AND ASSEMBLY

The TAMIYA BBX BB-01 is a kit model requiring assembly. Follow the detailed step-by-step instructions provided in the separate assembly manual included in your kit. General steps include:

1. **Chassis Assembly:** Construct the monocoque frame and roll cage, installing suspension components, drivetrain, and steering mechanisms.
2. **Differential Assembly:** Assemble the TA06 rear ball differential according to instructions.
3. **Damper Installation:** Fill and install the CVA oil front/rear aluminum aeration dampers.
4. **Electronics Installation:** Mount your chosen motor, Electronic Speed Controller (ESC), steering servo, and receiver. Ensure all wiring is neat and secure.
5. **Wheel and Tire Assembly:** Mount the large-diameter tires onto the metal-plated bead lock wheels.
6. **Body Preparation:** Paint and apply decals to the polycarbonate body sections as desired. Attach the driver figure and light cases.
7. **Final Checks:** Before first use, ensure all screws are tightened, moving parts operate smoothly, and electronics are correctly connected and calibrated.



Image 1: The TAMIYA BBX BB-01 chassis structure, showcasing the roll cage and internal components before body installation. This image illustrates the complexity and detail involved in the assembly process.



Image 2: Close-up view of the rear suspension and motor area of the TAMIYA BBX BB-01. Note the trailing arm suspension design and the rear-mounted motor for optimal traction.



Image 3: Detailed view of the front suspension of the TAMIYA BBX BB-01, highlighting the double wishbone setup and CVA oil dampers. This design contributes to the buggy's handling characteristics.

5. OPERATING INSTRUCTIONS

Once assembled and all electronic components are installed and calibrated, your TAMIYA BBX BB-01 is ready for operation. Always operate your RC buggy in a safe and responsible manner.

- **Battery Charging:** Ensure your battery pack is fully charged using a compatible charger. Refer to your battery and charger manuals for specific instructions.
- **Transmitter Setup:** Turn on your transmitter first, then the receiver in the buggy. Ensure proper binding and trim settings.
- **Driving Environment:** Operate the buggy in open areas free from obstacles, people, or pets. Avoid public roads.
- **Controls:**
 - **Throttle:** Controls forward and reverse movement, and speed.
 - **Steering:** Controls left and right direction.
- **Post-Operation:** Turn off the receiver first, then the transmitter. Disconnect and remove the battery from the buggy.



Image 4: The fully assembled TAMIYA BBX BB-01 RC Off-Road Buggy, ready for operation. This image displays the complete vehicle with its distinctive body and wheel design.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your TAMIYA BBX BB-01. Perform these checks after every few runs or as needed:

- **Cleaning:** Remove dirt, dust, and debris from the chassis, suspension, and drivetrain using a soft brush or compressed air. Avoid using water directly on electronics.
- **Screw Checks:** Inspect all screws for tightness, especially those on suspension arms, wheel hubs, and motor mount.
- **Moving Parts:** Check for smooth operation of suspension, steering linkages, and drivetrain components. Lubricate ball bearings and gears as recommended in the assembly manual.
- **Tire Inspection:** Check tires for wear, tears, or punctures. Ensure wheels are securely attached.
- **Differential Maintenance:** Periodically inspect the ball differential for smooth operation and adjust as necessary. Consider upgrading to the TA-06 oil-filled gear differential for reduced maintenance.
- **Electronics:** Ensure all wires are securely connected and free from damage. Check motor and ESC for excessive heat after use.



Image 5: A close-up of the driver figure and cockpit area within the TAMIYA BBX BB-01. This detail adds to the model's realism and requires careful handling during maintenance.



Image 6: The various polycarbonate body sections and decals for the TAMIYA BBX BB-01. These parts are crucial for the model's appearance and should be handled with care during cleaning and reassembly.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your TAMIYA BBX BB-01. For more complex problems, consult the detailed assembly manual or contact TAMIYA support.

Problem	Possible Cause	Solution
No power to the buggy	Battery not charged Battery not connected ESC not turned on Loose wiring	Charge battery Connect battery securely Turn on ESC Check all electrical connections
Loss of control/Erratic steering	Weak transmitter/receiver battery Interference Servo not centered/damaged Loose steering linkages	Replace/recharge batteries Change operating location Re-center servo, inspect for damage Tighten steering components
Motor runs but wheels don't turn	Loose pinion/spur gear Damaged drivetrain component Differential issue	Check and secure gears Inspect drive shafts, axles Inspect and adjust ball differential

8. SPECIFICATIONS

- **Model Name:** TAMIYA BBX BB-01
- **Kit Number:** 58719
- **Scale:** 1/10
- **Drive Type:** 2WD (Rear Wheel Drive)
- **Chassis Type:** Hybrid Monocoque-Roll Cage
- **Suspension:** Front Double Wishbone, Rear Trailing Arm
- **Dampers:** CVA Oil Front/Rear Aluminum Aeration Dampers
- **Differential:** TA06 Rear Ball Differential (upgradeable to oil-filled gear differential)
- **Bearings:** Full Ball Bearings
- **Product Dimensions:** 16.3 x 5.35 x 9.17 inches (approximate, assembled)
- **Item Weight:** 4.4 pounds (kit weight, approximate)
- **Recommended Age:** 14 months and up (Note: RC kits typically require adult supervision for assembly and operation)
- **Batteries Required:** 2 Lithium Polymer batteries (for operation, not included in kit)

9. SAFETY INFORMATION

Operating remote-controlled vehicles requires adherence to safety guidelines to prevent injury or damage.

- Always operate your RC vehicle in a safe, open area away from people, animals, and obstacles.
- Never operate near public roads, busy areas, or where local regulations prohibit RC vehicle use.
- Keep hands, face, and loose clothing away from moving parts (wheels, gears, motor) during operation.
- Use only recommended batteries and chargers. Follow all battery charging and handling instructions carefully to prevent fire or explosion.
- Do not touch the motor or ESC immediately after use, as they may be hot.
- Adult supervision is recommended for users under 14 years of age during assembly and operation.
- Store the RC vehicle and its components in a cool, dry place, out of reach of small children.

10. WARRANTY AND SUPPORT

For specific warranty information regarding your TAMIYA BBX BB-01 kit, please refer to the documentation included in your product packaging or visit the official TAMIYA website. TAMIYA products are known for their quality, and support is available for assembly questions and replacement parts.

For technical assistance or inquiries about parts, please contact TAMIYA customer service through their official channels. Keep your purchase receipt as proof of purchase.

TAMIYA Official Website: www.tamiya.com