

TAMIYA 58645

TAMIYA Subaru WRX STI TT-02 1/10 Scale RC Car Kit Instruction Manual

Brand: TAMIYA | Model: 58645

1. INTRODUCTION

This manual provides essential information for the assembly, operation, and maintenance of your TAMIYA Subaru WRX STI TT-02 1/10 Scale RC Car Kit. The TT-02 chassis is a versatile and adaptable shaft-driven 4WD platform, designed for ease of assembly and maintenance. This model accurately recreates the aerodynamically-optimized form of the Subaru WRX STI NBR Challenge car, known for its performance in endurance racing. Please read this manual thoroughly before beginning assembly or operation to ensure correct usage and maximize the lifespan of your model.



Figure 1: TAMIYA Subaru WRX STI TT-02 RC car, rear-side view, showcasing its detailed body with sponsor decals and large rear wing.

2. WHAT'S IN THE BOX

Your TAMIYA Subaru WRX STI TT-02 kit includes the following components:

- Polycarbonate body (Subaru WRX STI NBR Challenge car replica)
- Separate molded parts for side mirrors and rear wing
- Masking stickers for painting
- 540-type brushed Torque-Tuned motor
- Gun metal color mesh wheels with slick tires
- TT-02 chassis components for assembly

Note: This is an assembly kit. Additional items such as a radio system (transmitter and receiver), steering servo, electronic speed controller (ESC), battery, charger, paint, and tire glue are required and sold separately.

3. SETUP AND ASSEMBLY

The TAMIYA Subaru WRX STI TT-02 is a model assembly kit. Careful assembly is crucial for optimal performance. Follow the detailed instructions provided in the kit's dedicated assembly manual for step-by-step guidance. Key steps include chassis construction, motor installation, gearbox assembly, suspension setup, and body preparation (cutting, painting, and applying decals).

Required items (sold separately):

- 2-channel radio system (transmitter and receiver)
- Electronic Speed Controller (ESC)
- Steering servo
- 7.2V battery pack and compatible charger
- Polycarbonate paint (for body)
- Tire glue
- Basic modeling tools (e.g., hobby knife, screwdrivers, pliers)

Ensure all electronic components are correctly installed and connected according to their respective manuals. Proper wiring and calibration of the radio system and ESC are vital before the first run.

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Video 1: An unboxing demonstration of a rally car, showing various components and accessories typically found in such kits. This provides a general idea of what to expect during the setup phase.

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Video 2: A detailed explanation of the buttons and functions on a typical RC car transmitter. This is crucial for understanding how to control your model effectively.

4. OPERATING YOUR RC CAR

Once assembled and all electronics are properly connected and calibrated, your TAMIYA Subaru WRX STI TT-02 is ready for operation. The shaft-driven 4WD TT-02 chassis provides excellent stability and handling. The 2.4GHz radio system ensures reliable control, while the adaptable chassis allows for various setups to suit different driving conditions.



Figure 2: TAMIYA Subaru WRX STI TT-02 RC car, side view, highlighting its sleek design and gun metal mesh wheels.

Basic Controls:

- **Steering:** Use the steering wheel on your transmitter to control the direction of the front wheels (left/right).
- **Throttle:** Use the trigger on your transmitter to control forward and reverse movement, as well as braking. Pulling the trigger typically moves the car forward, pushing it away from you engages the brake, and pushing it further engages reverse.
- **Gyro (if equipped and enabled):** The gyro system helps maintain stability during high-speed turns and drifts, making the car easier to control.

Always operate your RC car in a safe, open area away from people, pets, and obstacles. Ensure batteries are fully charged before use.

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Video 3: An outdoor control demonstration of a 1/10 scale rally car. This video illustrates typical driving maneuvers and the car's performance in an open environment.

5. MAINTENANCE

Regular maintenance will ensure the longevity and performance of your TAMIYA Subaru WRX STI TT-02. After each use, inspect the model for any loose screws, damaged parts, or debris. Clean the chassis and body, especially after running in dusty or dirty conditions. Check the gears for wear and ensure smooth operation. Lubricate moving parts as recommended in the assembly manual. Keep the battery and electronics clean and dry.

6. TROUBLESHOOTING

If you encounter issues with your model, consider the following common troubleshooting steps:

- **No power:** Check battery connections, ensure batteries are charged, and verify the power switch is on.
- **No response from controls:** Ensure the transmitter and receiver are bound, check battery levels in both the car and transmitter, and inspect wiring connections.
- **Poor steering/throttle:** Recalibrate the ESC and transmitter, check for obstructions in the steering linkage, or inspect the servo for damage.
- **Unusual noises:** Inspect gears for debris or damage, check motor mounting, and ensure all rotating parts move freely.

Refer to the detailed assembly manual for specific component checks and further troubleshooting guidance.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	19.3 x 19.2 x 6.1 inches
Item Weight	4.29 pounds
Item Model Number	58645
Manufacturer Recommended Age	0 - 7 years
Chassis Type	TT-02 (Shaft-driven 4WD)
Motor	540-type brushed Torque-Tuned motor
Body Material	Polycarbonate
Wheels/Tires	Gun metal color mesh wheels with slick tires

8. WARRANTY & SUPPORT

For warranty information, technical support, or replacement parts, please refer to the documentation included with your TAMIYA product or visit the official TAMIYA website. Keep your proof of purchase for any warranty claims.