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### TAMIYA TAM58374A

# TAMIYA 1/10 RC Sand-Viper 2WD Buggy Instruction Manual (TAM58374A)

Model: TAM58374A

## 1. INTRODUCTION

This manual provides essential instructions for the assembly, operation, and maintenance of your TAMIYA 1/10 RC Sand-Viper 2 Wheel Drive electric kit (Model TAM58374A). Please read this manual thoroughly before beginning assembly or operation to ensure correct usage and to maximize the performance and longevity of your RC vehicle.



**Figure 1.1:** The TAMIYA 1/10 RC Sand-Viper 2WD Buggy. This image displays the complete remote-controlled buggy, featuring its distinctive yellow body, black chassis, and off-road tires.

The Sand-Viper utilizes the DT-02 chassis, a 2WD platform designed for straightforward assembly and reliable performance. Its 4-wheel double wishbone suspension system contributes to agile handling characteristics. The body is constructed from durable, lightweight polycarbonate, finished in a yellow paint scheme complemented by gray dish wheels. Front grooved tires and rear spike tires are designed to provide effective traction across various surfaces.

## 2. SAFETY PRECAUTIONS

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Always observe the following safety guidelines to prevent injury or damage to property.

- **Adult Supervision:** Operation by individuals under 14 years of age requires direct adult supervision.
- **Operating Environment:** Operate the RC vehicle in open, clear areas away from people, pets, and obstacles. Avoid public roads, crowded places, and wet conditions.
- **Battery Handling:** Follow all battery manufacturer instructions for charging, discharging, and storage. Use only compatible chargers and batteries.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from rotating wheels and gears during operation.
- **Electrical Components:** Ensure all electrical connections are secure. Avoid contact with water to prevent short circuits.
- **Maintenance:** Perform regular checks and maintenance as described in this manual to ensure safe operation.

## 3. KIT CONTENTS

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The TAMIYA Sand-Viper kit (TAM58374A) includes the following primary components. Please verify all parts are present before beginning assembly.

- DT-02 Chassis components
- Polycarbonate body shell (yellow pre-painted)
- Front grooved tires and rear spike tires
- Gray dish wheels
- Motor
- Electronic Speed Controller (ESC)
- Assembly hardware (screws, nuts, bearings, etc.)
- Instruction manual

**Note:** Additional items required for operation, such as a 2-channel RC system (transmitter and receiver), steering servo, 7.2V battery pack, and compatible charger, are sold separately.

## 4. SETUP AND ASSEMBLY

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Assembly of the TAMIYA Sand-Viper involves several steps. Refer to the detailed diagrams and instructions provided in the included assembly manual for each specific step. This section provides a general overview.

1. **Chassis Construction:** Begin by assembling the DT-02 chassis frame. This involves attaching the main components that form the vehicle's backbone.
2. **Suspension Assembly:** Install the 4-wheel double wishbone suspension system, including shock absorbers and suspension arms. Ensure all pivot points move freely.
3. **Gearbox and Drivetrain:** Assemble the 2WD gearbox, ensuring gears are properly lubricated and mesh correctly. Install the drive shafts to the rear wheels.

4. **Wheel and Tire Installation:** Mount the gray dish wheels onto the axles and attach the grooved front tires and spike rear tires.
5. **Motor and ESC Installation:** Securely mount the electric motor and Electronic Speed Controller (ESC) to the chassis. Connect the motor to the ESC according to the ESC's instructions.
6. **Steering Servo and RC System:** Install the steering servo and connect it to the steering linkage. Mount the receiver and connect all necessary wires from the ESC and servo to the receiver.
7. **Body Mounting:** Attach the polycarbonate body shell to the chassis using the provided body posts and clips.
8. **Initial Checks:** Before first operation, perform a thorough check of all screws, connections, and moving parts to ensure everything is secure and functions correctly.

## 5. OPERATING INSTRUCTIONS

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Once assembled and powered, follow these steps for safe and effective operation of your TAMIYA Sand-Viper.

1. **Transmitter Power On:** Always turn on your RC transmitter first.
2. **Vehicle Power On:** Connect the fully charged 7.2V battery pack to the ESC and then turn on the vehicle's power switch.
3. **Function Check:** Before driving, verify that the steering and throttle respond correctly to your transmitter inputs. Ensure the steering is centered.
4. **Driving:** Operate the vehicle with smooth, controlled inputs. Avoid sudden acceleration, braking, or sharp turns at high speeds, especially during initial runs.
5. **Battery Life:** Monitor battery performance. When the vehicle's speed noticeably decreases, stop operation and replace or recharge the battery.
6. **Vehicle Power Off:** Always turn off the vehicle's power switch first, then disconnect the battery.
7. **Transmitter Power Off:** Finally, turn off your RC transmitter.

**Important:** Never operate the vehicle with a low transmitter battery, as this can lead to loss of control.

## 6. MAINTENANCE

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Regular maintenance is crucial for the longevity and optimal performance of your TAMIYA Sand-Viper.

- **After Each Run:**

- Clean the chassis and body of dirt, dust, and debris using a soft brush or compressed air.
- Inspect for any loose screws or damaged parts. Tighten or replace as necessary.
- Check tires for wear and ensure they are securely mounted.

- **Periodic Maintenance (Every 5-10 Runs):**

- Inspect the gearbox for debris and ensure gears are properly lubricated. Re-lubricate if needed.
- Check shock absorbers for proper function and oil leaks. Refill or replace if necessary.
- Examine all electrical connections for corrosion or damage.
- Check the steering linkage for excessive play.

- **Storage:** Store the vehicle in a clean, dry place away from direct sunlight and extreme temperatures. Disconnect and remove batteries during storage.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your TAMIYA Sand-Viper.

| Problem                               | Possible Cause  | Solution  |
|---------------------------------------|---|---|
| Vehicle does not respond to controls. | Low battery in vehicle or transmitter.<br>Transmitter not turned on.<br>Receiver not bound to transmitter.<br>Loose electrical connections. | Charge/replace batteries.<br>Turn on transmitter first.<br>Re-bind receiver (refer to RC system manual).<br>Check and secure all connections. |
| Steering is erratic or unresponsive.  | Steering servo malfunction.<br>Damaged steering linkage.<br>Incorrect steering trim on transmitter.   | Inspect/replace servo.<br>Check and replace damaged parts.<br>Adjust steering trim.   |
| Motor runs but wheels do not turn.    | Stripped gears in gearbox.<br>Loose pinion gear on motor shaft.<br>Broken drive shaft.  | Inspect and replace damaged gears.<br>Tighten pinion gear set screw.<br>Replace drive shaft.  |

If the problem persists after attempting these solutions, consult the detailed assembly manual or contact TAMIYA customer support.

## 8. SPECIFICATIONS

| Feature                      | Detail   |
|------------------------------|--|
| Model Number                 | TAM58374A  |
| Scale                        | 1/10   |
| Drive Type                   | 2 Wheel Drive (2WD)  |
| Chassis Type                 | DT-02  |
| Power Source                 | Electric (requires 7.2V battery, sold separately)  |
| Body Material                | Polycarbonate  |
| Suspension                   | 4-wheel double wishbone  |
| Product Dimensions           | 19.3 x 9.2 x 5.9 inches (49.0 x 23.4 x 15.0 cm)  |
| Item Weight                  | 4.15 pounds (1.88 kg)  |
| Manufacturer Recommended Age | 14 months and up (Note: RC operation typically for older ages, assembly requires adult skills) |

## 9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your TAMIYA Sand-Viper (TAM58374A), please refer to the official TAMIYA website or contact your local TAMIYA distributor.





**TAMIYA Official Website:** [www.tamiya.com](http://www.tamiya.com)

Please have your model number (TAM58374A) and purchase information available when contacting support.



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Related Documents - TAM58374A

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|---|--|
|    | <p><a href="#">Tamiya RC Mercedes-Benz G 500 (CC-02) Assembly Instructions</a></p> <p>Detailed assembly instructions and parts list for the Tamiya 1/10 RC 4WD High Performance Off-Road Car, Mercedes-Benz G 500 (CC-02) model kit. Includes step-by-step guidance, painting, and troubleshooting.</p>  |
|   | <p><a href="#">Tamiya Cup 2020 Reglement - Officiële Regels</a></p> <p>Officiële reglementen voor de Tamiya Cup 2020, met gedetailleerde regels, technische specificaties en wedstrijdkalender voor diverse RC-autoklassen.</p>  |
|  | <p><a href="#">Tamiya DB01 SR 1/10 Scale 4WD R/C Off-Road Racer Chassis Kit Assembly Manual</a></p> <p>Detailed assembly instructions for the Tamiya DB01 SR, a high-performance 1/10 scale 4WD R/C off-road racer chassis kit. This manual guides enthusiasts through building the model, offering insights into its components and construction for optimal performance.</p> |
|  | <p><a href="#">Tamiya Hornet EVO 1/10 Scale R/C High Performance Off-Road Racer Assembly Manual</a></p> <p>Comprehensive assembly manual for the Tamiya Hornet EVO 1/10 scale R/C off-road racing buggy. Includes parts lists, assembly instructions, and maintenance tips.</p>  |



[Tamiya Fast Attack Vehicle \(Shark Mouth\) 1/10 Scale RC Off-Road Racer Assembly Manual](#)

This document provides comprehensive assembly instructions for the Tamiya Fast Attack Vehicle (Shark Mouth) 1/10 scale RC high-performance off-road racer. It includes detailed steps, parts lists, operation guides, and troubleshooting tips.



[Tamiya Championship Series \(TCS\) 2025 Rules & Regulations](#)

Official rules and regulations for the Tamiya Championship Series (TCS) 2025 regional race events. Covers driver eligibility, skill levels, general vehicle rules, electronics, batteries, car bodies, motors, tires, class-specific regulations (GT-1, GT-2, M-Chassis, F1, Euro Truck, GT-E, GT Pro Spec, GT Novice), event formats, prizes, and qualification for TCS Finals.