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› Tamiya 57405 1/8 RC Dancing Rider Trike Kit Instruction Manual

TAMIYA 57405

Tamiya 57405 1/8 RC Dancing Rider Trike Kit

Model: 57405

1. SAFETY INFORMATION

This product is not a toy and is intended for users aged 15 years and up. Adult supervision is recommended for younger users. Always operate the model in a safe environment, away from people, pets, and obstacles. Read all instructions thoroughly before assembly and operation.

2. PRODUCT OVERVIEW

The Tamiya 57405 1/8 RC Dancing Rider Trike Kit is a radio-controlled model designed to replicate the unique leaning motion of delivery trikes commonly seen in Japan. Its innovative 3-wheel chassis allows the model to 'lean' into corners, mimicking its full-size counterparts. The design places the motor in the rear section and the battery in the front, with these two sections linked by a central pivot. A steering servo controls the leaning action of the entire front section, enabling dynamic turns. Additionally, integrated support arms assist in righting the model if it tips over during operation.



Figure 2.1: The Tamiya 57405 1/8 RC Dancing Rider Trike Kit, showcasing its unique design.



Figure 2.2: The Dancing Rider Trike demonstrating its leaning capability during a turn.

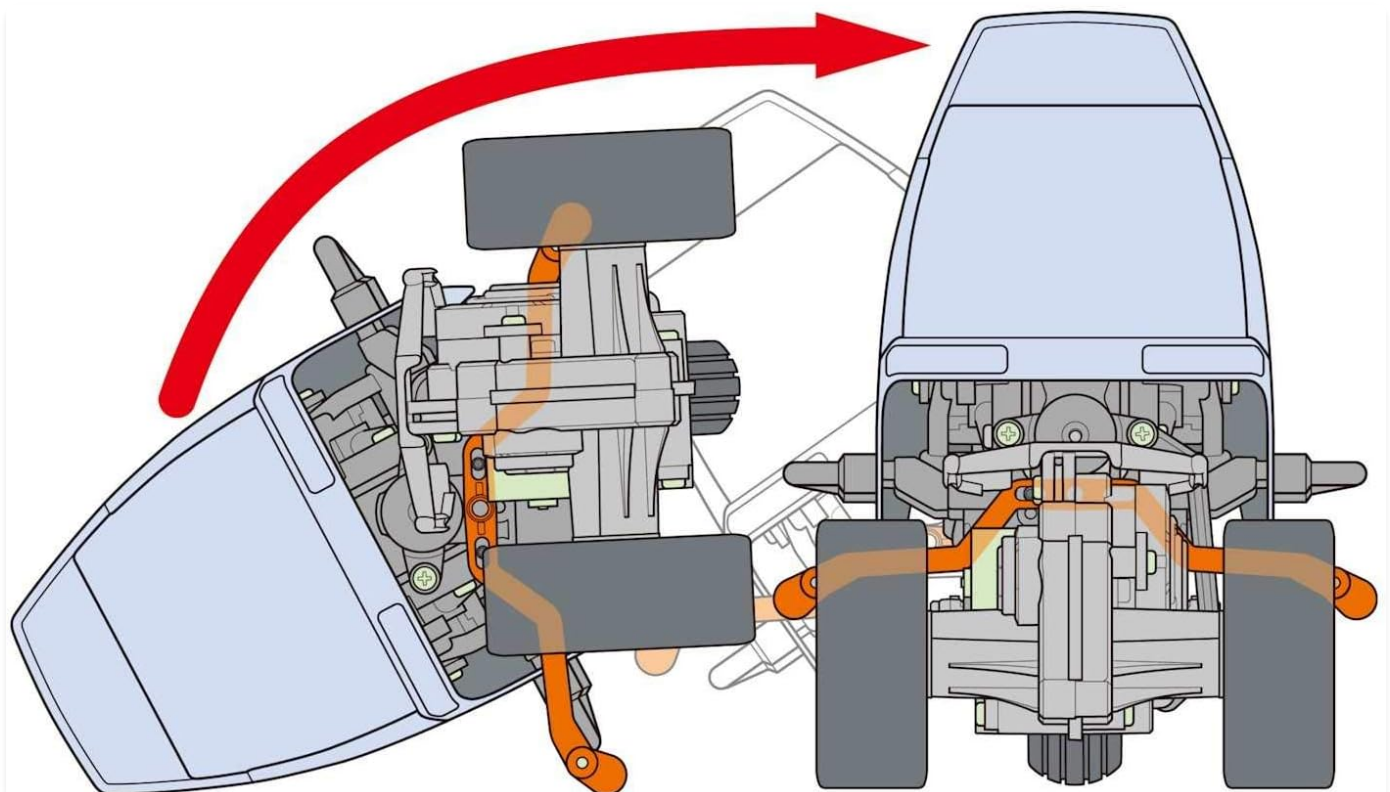


Figure 2.3: An internal diagram illustrating the leaning mechanism of the trike chassis.

3. ASSEMBLY INSTRUCTIONS

This kit requires assembly. The following components are necessary for completion and operation, and are sold separately:

- 2-channel radio system
- Steering servo
- Electronic Speed Controller (ESC)
- Battery pack (must be under 66x36x15mm)
- Battery charger

The kit includes a Type 370 motor. Follow the detailed step-by-step instructions provided in the kit's printed manual for proper assembly. Pay close attention to the installation of the steering servo and the linkage to ensure correct leaning functionality.

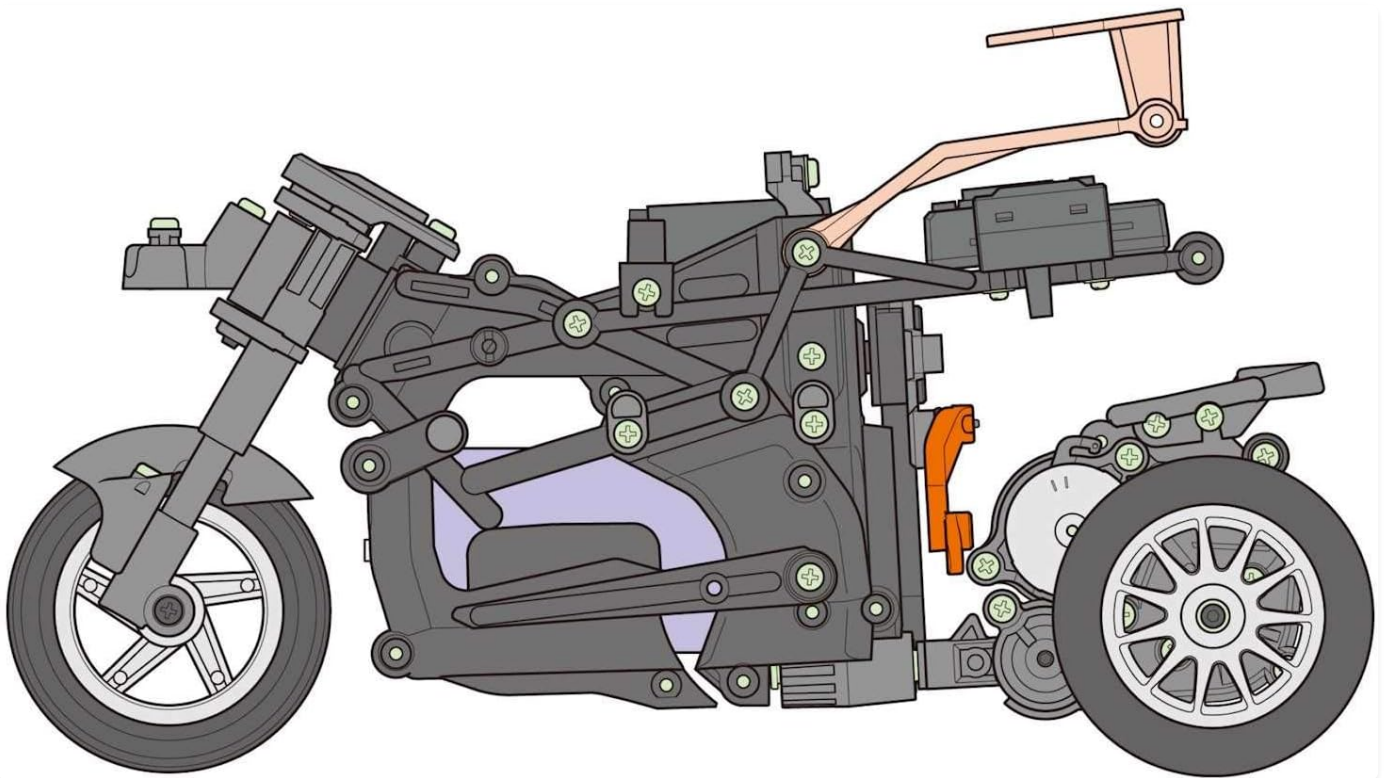


Figure 3.1: Exploded view of the trike chassis, showing component placement for assembly.



Figure 3.2: Close-up of the internal electronics and steering servo installation.

4. OPERATING INSTRUCTIONS

Once assembled and all required components are installed and charged, ensure your 2-channel radio system is properly bound to the receiver in the trike. The left stick typically controls throttle (forward/reverse) and the right stick controls steering (left/right). The unique leaning mechanism will engage as you steer, providing a realistic driving experience. Practice in an open area to familiarize yourself with the model's handling characteristics, especially its leaning action during turns.



Figure 4.1: Detail of the steering mechanism, showing how it controls the trike's lean.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your Tamiya RC Dancing Rider Trike. After each use:

- **Clean the model:** Remove dirt, dust, and debris from the chassis, wheels, and body using a soft brush or compressed air.
- **Inspect for damage:** Check for any loose screws, damaged parts, or worn tires. Replace any damaged components immediately.
- **Lubricate moving parts:** Apply appropriate RC-safe lubricant to gears and other moving parts as recommended in the kit's manual.
- **Battery care:** Always disconnect and properly store the battery after use. Follow the battery manufacturer's instructions for charging and storage.

6. TROUBLESHOOTING

If you encounter issues with your RC Dancing Rider Trike, consider the following common troubleshooting steps:

- **No power:** Ensure the battery is fully charged and properly connected. Check all power switches on the model and transmitter.
- **No response from controls:** Verify the transmitter and receiver are properly bound. Check battery levels in both the model and transmitter. Ensure all servo connections are secure.
- **Erratic steering/leaning:** Inspect the steering servo and its linkages for any obstructions or damage. Ensure the servo is properly centered.
- **Reduced performance:** Check for debris in the drivetrain, worn gears, or a low battery charge.

For more complex issues, refer to the detailed troubleshooting guide in your kit's manual or contact Tamiya customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	57405
Brand	Tamiya
Scale	1/8
Length	260mm (10.24 inches)
Width	135mm (5.31 inches)
Height	175mm (6.89 inches)
Wheelbase	196mm (7.72 inches)
Rear Tread	91mm (3.58 inches)
Front Tire Width/Diameter	21/61mm
Rear Tire Width/Diameter	25/59mm
Chassis Type	Monocoque
Drive System	Rear-wheel drive
Differential Gear	Planetary
Front Suspension	Telescopic fork
Rear Suspension	Cam-slide
Gear Ratio	10.7:1
Motor	Type 370 (included)
Item Weight	2.65 pounds
Product Dimensions	10.5 x 15.63 x 5.5 inches
Recommended Age	15 years and up

8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the documentation included with your Tamiya 57405 1/8 RC Dancing Rider Trike Kit or visit the official Tamiya website. Keep your proof of purchase for any warranty claims.

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.

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Question

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

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