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## TAMIYA 300050529

# Tamiya 300050529 TA-01/TA-02 Gear Set Instruction Manual

Model: 300050529

Brand: TAMIYA

Release Date: May 28, 2014

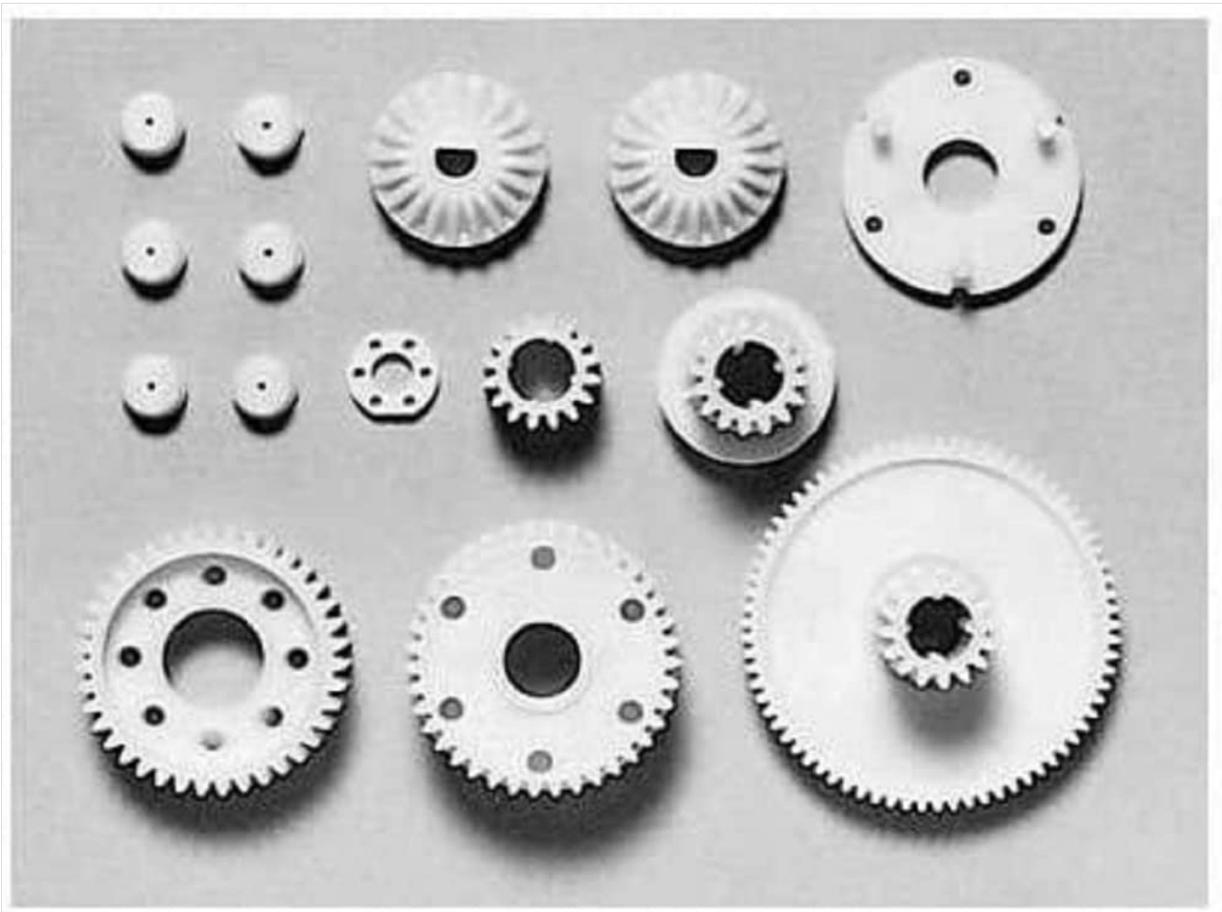
**Important Safety Information: Not suitable for children under the age of 14.**

### INTRODUCTION

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This manual provides instructions for the Tamiya 300050529 Gear Set, designed as an accessory for TA-01 and TA-02 chassis models, including the Manta Ray. This gear set is intended for use in radio-controlled (RC) vehicle assembly and maintenance.

**Warning: This product contains small parts and is intended for experienced model builders. It is not suitable for children under the age of 14 due to potential choking hazards and the complexity of assembly. Adult supervision is recommended for users under 18.**



*Image Description: An image showing the various components of the Tamiya 300050529 gear set, including different sized gears and possibly shafts or other small parts, laid out against a neutral background.*

## PACKAGE CONTENTS

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The Tamiya 300050529 Gear Set typically includes:

- Various gears for TA-01/TA-02 chassis
- Associated small parts for gear installation (e.g., pins, washers)

*Note: Refer to the product packaging for a complete and accurate list of included parts.*

## SETUP AND INSTALLATION

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This gear set is designed for installation into Tamiya TA-01 and TA-02 chassis models. Follow these general steps:

1. **Preparation:** Ensure your workspace is clean and well-lit. Gather necessary tools such as small screwdrivers, pliers, and grease/lubricant suitable for RC gears (not included).
2. **Disassembly:** Carefully disassemble the relevant section of your TA-01 or TA-02 chassis where the gears are to be replaced or installed. Refer to your specific RC model's instruction manual for detailed disassembly steps.
3. **Gear Identification:** Identify the gears from the 300050529 set that correspond to the gears being replaced or installed. Pay close attention to tooth count and size.
4. **Installation:** Install the new gears into the chassis according to your RC model's instruction manual. Ensure all gears mesh smoothly without binding.
5. **Lubrication:** Apply a small amount of appropriate RC gear grease to the teeth of the newly installed gears to reduce friction and wear.

6. **Reassembly:** Reassemble the chassis components, ensuring all screws are tightened securely but not over-tightened. Test for smooth operation before full reassembly.

*Always consult the original Tamiya TA-01 or TA-02 chassis manual for specific assembly diagrams and torque specifications.*

## OPERATING CONSIDERATIONS

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Once installed, the gear set contributes to the drivetrain of your RC model. Proper operation involves:

- **Smooth Operation:** Listen for any unusual noises during initial operation, which may indicate improper gear mesh or installation.
- **Regular Inspection:** Periodically inspect the gears for wear, damage, or debris accumulation, especially after heavy use.
- **Environmental Factors:** Avoid operating your RC model in excessively dusty or sandy environments, as abrasive particles can accelerate gear wear.

This gear set does not alter the fundamental operating procedures of your TA-01 or TA-02 chassis. Continue to follow the operating guidelines provided with your specific RC model.

## MAINTENANCE

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Regular maintenance of your gear set will ensure longevity and optimal performance.

- **Cleaning:** After use, especially in dirty conditions, remove any accumulated dirt, dust, or debris from the gears using a soft brush or compressed air.
- **Lubrication:** Reapply gear grease periodically, or whenever the gears appear dry. Use only lubricants specifically designed for RC plastic or metal gears.
- **Inspection for Wear:** Visually inspect gear teeth for signs of wear, chipping, or cracking. Worn gears should be replaced promptly to prevent damage to other drivetrain components.
- **Storage:** When not in use, store your RC model in a clean, dry environment to prevent dust accumulation and material degradation.

For replacement parts, refer to the Tamiya parts list for your specific chassis model.

## TROUBLESHOOTING

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If you encounter issues related to the gear set, consider the following:

- **Grinding Noises:**  
*Possible Cause:* Improper gear mesh, debris lodged between teeth, or worn gears.  
*Solution:* Disassemble, clean, inspect gear mesh, and reassemble. Replace worn gears.
- **Loss of Drive:**  
*Possible Cause:* Stripped gear teeth or a loose gear.  
*Solution:* Inspect all gears for damage. Ensure gears are securely fastened to shafts. Replace any stripped gears.
- **Excessive Friction/Binding:**  
*Possible Cause:* Gears installed incorrectly, lack of lubrication, or bent shafts.  
*Solution:* Recheck installation, apply lubricant, and inspect shafts for straightness.

If problems persist, consult the full instruction manual for your Tamiya TA-01 or TA-02 chassis or contact Tamiya customer support.

## SPECIFICATIONS

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Feature	Detail
Model Number	300050529
Compatibility	Tamiya TA-01, TA-02 Chassis (e.g., Manta Ray)
Product Dimensions	5 x 3.6 x 1 inches (approximate packaging dimensions)
Item Weight	1.28 ounces
Manufacturer	Tamiya
Recommended Age	14 years and older (due to complexity and small parts)

## WARRANTY AND SUPPORT

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For warranty information and customer support regarding the Tamiya 300050529 Gear Set, please refer to the official Tamiya website or contact your local Tamiya distributor.

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

*Note: Specific warranty terms may vary by region and retailer. Keep your proof of purchase for any warranty claims.*

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This manual is for informational purposes only. Tamiya reserves the right to make changes to product specifications without prior notice.