

Kyosho 30619

Kyosho Turbo Optima Gold Kit 4WD RC Car Instruction Manual

Model: 30619

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Kyosho Turbo Optima Gold Kit 4WD RC Car. Please read this manual thoroughly before beginning assembly or operation to ensure proper use and to maximize the performance and longevity of your model.

The Kyosho Turbo Optima Gold Kit 4WD is a high-performance remote-controlled car kit designed for enthusiasts. It features a robust chassis and components for an engaging building and driving experience.

WHAT'S IN THE BOX

Upon opening your Kyosho Turbo Optima Gold Kit, you will find the following components:

- Kit chassis
- Decals for body customization
- L-shaped hexagon wrench
- Cross wrench
- Shock wrench
- Shock oil
- Grease
- 4WD belt drive components
- FRP radio plate
- Pulley for chain
- Aluminum hex wheel hubs
- Gold anodized aluminum components

Please verify all parts are present before starting assembly. If any parts are missing or damaged, contact Kyosho customer support.



Image: Various gold-anodized components and other parts included in the kit.

SETUP AND ASSEMBLY

The Kyosho Turbo Optima Gold Kit requires assembly. Follow the detailed instructions provided in the separate assembly manual included with your kit. The following items are required but sold separately:

- **R/C System:** 2-channel system (1 servo, 1 ESC)
- **Motor:** 540 class size (27T-20T recommended). For brushless setup: No.37031 Le Mans 240S brushless motor 19.5T, No. 37051 Le Mans 240S ESC (60A/MAX 13.5 turn). For brushed setup: No.37021 Le Mans brushed motor 30T, No. 82245 KA060-91W ESC.
- **Battery:** 7.2V NiMh battery or 7.4V Li-Po battery
- **Battery Charger:** DC 12V regulated power supply compatible with your chosen battery type
- **Paint Tools:** For body painting (e.g., paint, brushes, masking tape)
- **Transmitter Batteries:** Appropriate batteries for your R/C transmitter
- **Tools:** 1.5mm, 2.0mm, 3.0mm hex wrench screwdriver, needle nose pliers, curved scissors, cutter. A Phillips screwdriver may be required for servo horn replacement.

Assembly Tips:

- Organize all parts before starting.
- Follow the step-by-step instructions carefully.
- Ensure all screws are tightened appropriately, but do not overtighten.
- Pay close attention to the orientation of parts, especially suspension components.



Image: Top view of the Kyosho Turbo Optima Gold Kit 4WD chassis during assembly.

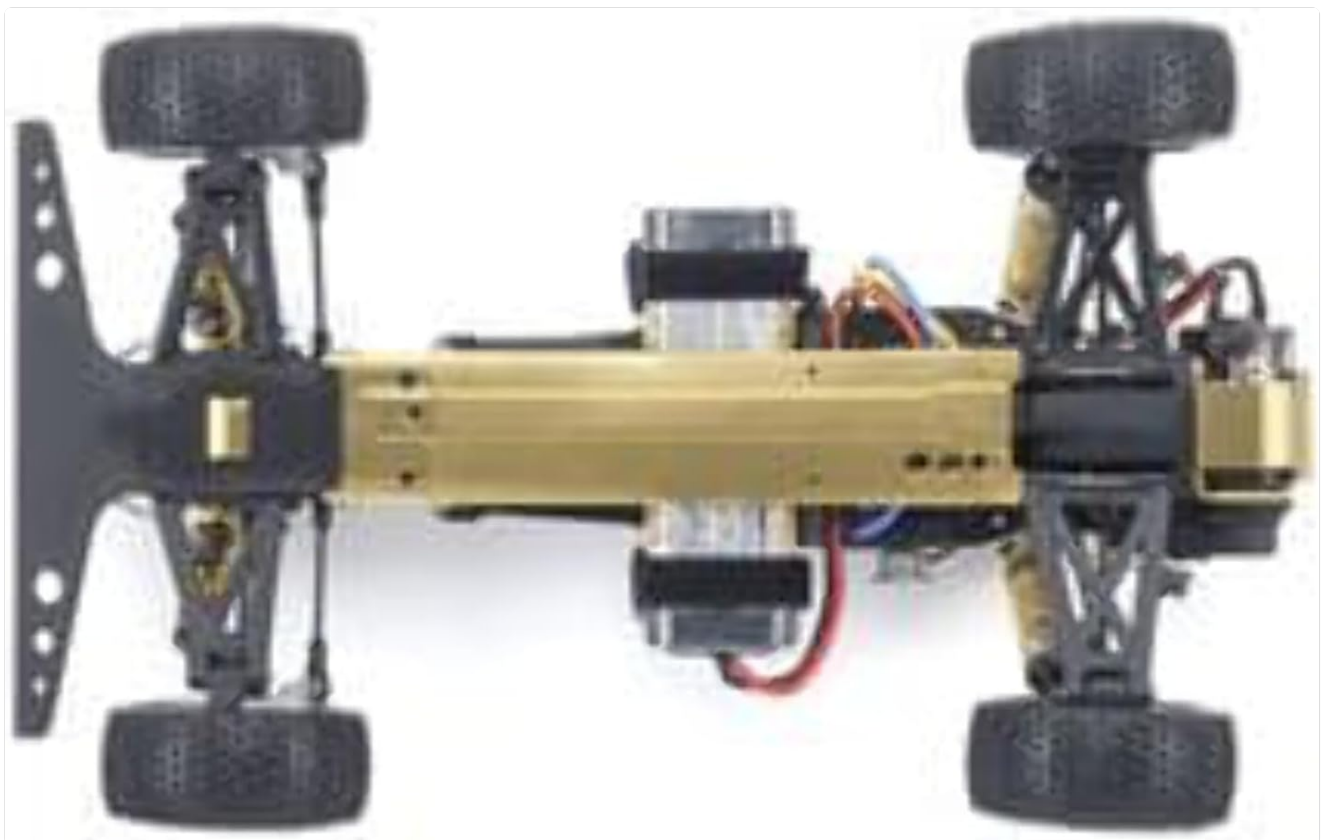


Image: Bottom view of the Kyosho Turbo Optima Gold Kit 4WD chassis, highlighting the drivetrain.

OPERATING INSTRUCTIONS

Once your Kyosho Turbo Optima Gold Kit 4WD is fully assembled and all electronic components are installed and configured, you are ready for operation.

- **Battery Charging:** Always ensure your drive battery and transmitter batteries are fully charged before use.

Follow the instructions provided with your battery charger.

- **Pre-Run Check:** Before each run, inspect all screws for tightness, check suspension movement, and ensure the steering operates correctly. Verify that the wheels are securely attached.
- **Power On Sequence:** Turn on your transmitter first, then connect the drive battery to the ESC.
- **Driving Environment:** Operate your RC car in open areas free from obstacles, people, or pets. Avoid wet conditions or extreme temperatures.
- **Post-Run:** Disconnect the drive battery from the ESC first, then turn off your transmitter. Clean the vehicle of any dirt or debris.



Image: The Kyosho Turbo Optima Gold Kit 4WD in action on a dirt surface.



Image: Side view of the assembled Kyosho Turbo Optima Gold Kit 4WD.

Product Overview Video

Your browser does not support the video tag.

Video: A product overview showcasing the features and components of the Tamiya 1/10 BBX BB-01 Off-Road Buggy. While the video title mentions Tamiya, the content provides a general overview of an RC buggy kit, which is relevant to understanding the nature of the Kyosho kit.

MAINTENANCE

Regular maintenance is crucial for the performance and longevity of your Kyosho Turbo Optima Gold Kit 4WD.

- **Cleaning:** After each use, remove dirt, dust, and debris from the chassis, suspension, and drivetrain. Use a soft brush or compressed air.
- **Lubrication:** Periodically lubricate moving parts such as gears, bearings, and universal joints with appropriate RC-grade lubricants. Refer to the assembly manual for specific lubrication points.
- **Inspection:** Regularly check for worn or damaged parts, including tires, shocks, suspension arms, and gears. Replace any damaged components promptly.
- **Fasteners:** Ensure all screws and nuts remain tight. Vibrations during operation can loosen fasteners.
- **Electronics:** Keep electronic components clean and dry. Inspect wiring for any signs of wear or damage.

TROUBLESHOOTING

If you encounter issues with your Kyosho Turbo Optima Gold Kit 4WD, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter	Low battery (transmitter or drive), ESC not armed, binding issue	Charge batteries, ensure proper power-on sequence, re-bind transmitter/receiver
Poor steering response	Loose servo horn, damaged servo, incorrect trim settings	Check servo connections, inspect servo, adjust steering trim on transmitter
Motor not running or running intermittently	Loose motor wires, ESC issue, motor damage	Check all motor and ESC connections, test motor/ESC if possible
Excessive noise from drivetrain	Worn gears, debris in gears, improper gear mesh	Inspect and clean gears, adjust gear mesh, replace worn gears

For more complex issues, consult the detailed troubleshooting section in your kit's assembly manual or contact Kyosho customer support.

SPECIFICATIONS

The Kyosho Turbo Optima Gold Kit 4WD features the following specifications:

- **Length:** 395mm
- **Width:** 244mm
- **Height:** 120mm
- **Wheelbase:** 260mm
- **Front Tread:** 208mm
- **Rear Tread:** 208mm

- **Weight:** Approximately 1,600g
- **Tires (Front/Rear):** Diameter 82mm, Width 36mm
- **Motor:** 540 class size (sold separately)
- **Gear Ratio:** 9.24 : 1
- **Product Dimensions:** 15.51 x 9.61 x 4.72 inches
- **Item Weight:** 5.15 pounds
- **Item Model Number:** K.30619
- **Manufacturer Recommended Age:** 14 months - 9 years (Note: This is a kit requiring adult assembly and supervision for younger users.)

WARRANTY INFORMATION

For specific warranty details regarding your Kyosho Turbo Optima Gold Kit 4WD, please refer to the warranty card included with your product or visit the official Kyosho website. Warranty terms typically cover manufacturing defects and vary by region and product type. Keep your proof of purchase for any warranty claims.

SUPPORT

If you require further assistance, have questions about assembly, operation, or need to order replacement parts, please contact Kyosho customer support. You can typically find contact information on the Kyosho official website or in the documentation included with your kit.

Online Resources:

- Visit the [Kyosho Store on Amazon](#) for product information and related items.
- Refer to the official Kyosho website for the most up-to-date manuals, FAQs, and support contacts.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question