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› [Kyosho](#) /

› [Kyosho Optima Mid '87 WC Worlds Spec 60th Anniversary 1/10 4WD Off-Road Buggy Kit Instruction Manual](#)

Kyosho 30643

Kyosho Optima Mid '87 WC Worlds Spec 60th Anniversary 1/10 4WD Off-Road Buggy Kit

Model: 30643

INTRODUCTION

This instruction manual provides detailed guidance for the assembly, operation, and maintenance of your Kyosho Optima Mid '87 WC Worlds Spec 60th Anniversary 1/10 4WD Off-Road Buggy Kit. This limited edition model celebrates Kyosho's 60th anniversary, replicating the 1987 Optima Mid prototype used by team drivers with special custom parts. It is designed to be compatible with modern RC mechanics, motors, and batteries.

WHAT'S IN THE BOX

Upon opening your kit, you will find the following components:

- Kyosho Optima Mid '87 WC Worlds Spec 1/10 4WD Off Road Buggy Kit

Please verify all parts are present before beginning assembly.

SETUP AND ASSEMBLY

The Kyosho Optima Mid kit requires assembly. Follow the included detailed assembly manual for step-by-step instructions. Key features and components include:

- **Optima PRO Body:** Features the original decal design from the '87 Worlds.
- **Carbon Parts:** Includes Carbon Chassis, Carbon Upper Deck, Carbon Front Shock Tower, Carbon Rear Shock Tower, and Rear Upper Rod Mount for enhanced rigidity and performance.
- **Aluminum Parts:** Gunmetal anodized aluminum components such as HD link, deck mount, CNC rear suspension holder, and aluminum servo mount.
- **Shocks:** New gunmetal shock casings with titanium-coated front and rear shock shafts (gold) for increased abrasion resistance. Includes fine selection springs.

- **Main Gear Shaft:** Hard anodized 7075 aluminum lightweight main gear shaft, significantly lighter than traditional steel, improving throttle response.
- **Slipper Clutch:** Equipped with a reinforced slipper-clutch compatible with powerful brushless motors. Settings can be adjusted by replacing the optional UM516 dual slippers seat.
- **Rear Wing:** Features a large polycarbonate rear wing, similar to the World Championship vehicle, combined with large side plates.
- **Tires:** Comes standard with soft tires for high grip on both front and rear.
- **Decals:** Includes stickers to recreate the world battle model of the Optima series designer Akira Kagawa, and stickers commemorating Kyosho's 60th anniversary.



Side view of the fully assembled Kyosho Optima Mid '87 WC Worlds Spec buggy, showcasing its sleek design and teal accents.



Rear view of the Kyosho Optima Mid '87 WC Worlds Spec buggy, highlighting the rear wing and suspension components.



Front view of the Kyosho Optima Mid '87 WC Worlds Spec buggy, showing the front suspension and wheel design.



Detailed view of the front suspension, carbon chassis, and gunmetal anodized components.



Overhead view of the buggy, revealing the layout of the electronics and drivetrain components.



Underside view of the chassis, showcasing the carbon fiber structure and suspension mounting points.

Product Overview Video

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This video provides a general overview of the Kyosho Optima Mid '87 WC Worlds Spec 60th Anniversary 1/10 4WD Off-Road Buggy Kit, demonstrating its features and design.

OPERATING INSTRUCTIONS

Once assembled, ensure all electronic components (motor, ESC, servo, receiver, battery) are correctly installed and connected according to their respective manuals. Charge your battery fully before first use. Always operate your RC buggy in a safe, open area, away from people, pets, and obstacles. Familiarize yourself with the controls of your

radio transmitter before driving. Start with slow speeds to get a feel for the vehicle's handling characteristics.

MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your Kyosho Optima Mid. After each use:

- **Clean the vehicle:** Remove dirt, dust, and debris from the chassis, suspension, and drivetrain.
- **Inspect for damage:** Check for loose screws, worn tires, damaged suspension components, or cracked body parts.
- **Lubricate moving parts:** Apply appropriate lubricants to gears, bearings, and pivot points as recommended in the detailed assembly manual.
- **Check battery and electronics:** Ensure all connections are secure and free from corrosion. Store batteries according to manufacturer guidelines.

TROUBLESHOOTING

If you encounter issues with your Kyosho Optima Mid, consider the following common troubleshooting steps:

- **No Power:** Check battery charge, ensure all power connections are secure, and verify the ESC is properly connected and calibrated.
- **Loss of Control/Erratic Behavior:** Check radio transmitter batteries, ensure receiver and transmitter are properly bound, inspect servo connections, and verify no physical obstructions are impeding steering or throttle.
- **Poor Performance:** Inspect motor and ESC for overheating, check gear mesh for proper adjustment, ensure tires are in good condition and properly mounted, and verify suspension settings.
- **Unusual Noises:** Investigate the source of the noise. It could indicate worn gears, loose components, or debris in the drivetrain.

For more complex issues, refer to the detailed assembly manual or contact Kyosho customer support.

SPECIFICATIONS

Feature	Detail
Length	390mm
Width	250mm
Wheelbase	255mm
Tread (Front/Rear)	208mm / 208mm
Tire Diameter (Front/Rear)	82mm / 82mm
Tire Width (Front/Rear)	36mm / 36mm

Gear Ratio	8.28:1
Weight (without electronics)	1550g
Product Dimensions	3.94 x 3.94 x 3.94 inches
Item Weight	5.02 pounds
Item Model Number	30643
Manufacturer	Kyosho

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Kyosho website. For technical support, replacement parts, or further assistance, please contact Kyosho customer service. Protection plans are available for purchase separately to extend coverage beyond the standard manufacturer's warranty.