

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Kyosho](#) /
- › [Kyosho Mini-Z AWD Motor Set Instruction Manual](#)

**Kyosho KYOKYOMD009P**

# Kyosho Mini-Z AWD Motor Set Instruction Manual

Model: KYOKYOMD009P



## 1. INTRODUCTION

This instruction manual provides essential information for the safe and correct installation, operation, and maintenance of your Kyosho Mini-Z AWD Motor Set. Please read this manual thoroughly before use and retain it for future reference.

The Kyosho Mini-Z AWD Motor Set is designed to enhance the performance of compatible Kyosho Mini-Z AWD series remote control vehicles.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product and surrounding property:

- Keep small parts out of reach of children to prevent choking hazards.
- Ensure the vehicle's power is off and batteries are disconnected before performing any installation or maintenance.
- Use appropriate tools for installation to avoid damaging components.
- Do not attempt to modify the motor or its components, as this may void the warranty and cause malfunction.
- Avoid exposing the motor to water or excessive moisture.
- If the motor becomes excessively hot during operation, discontinue use and allow it to cool.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Kyosho Mini-Z AWD Motor (1 unit)
- Associated mounting hardware (e.g., screws, motor plate if applicable)

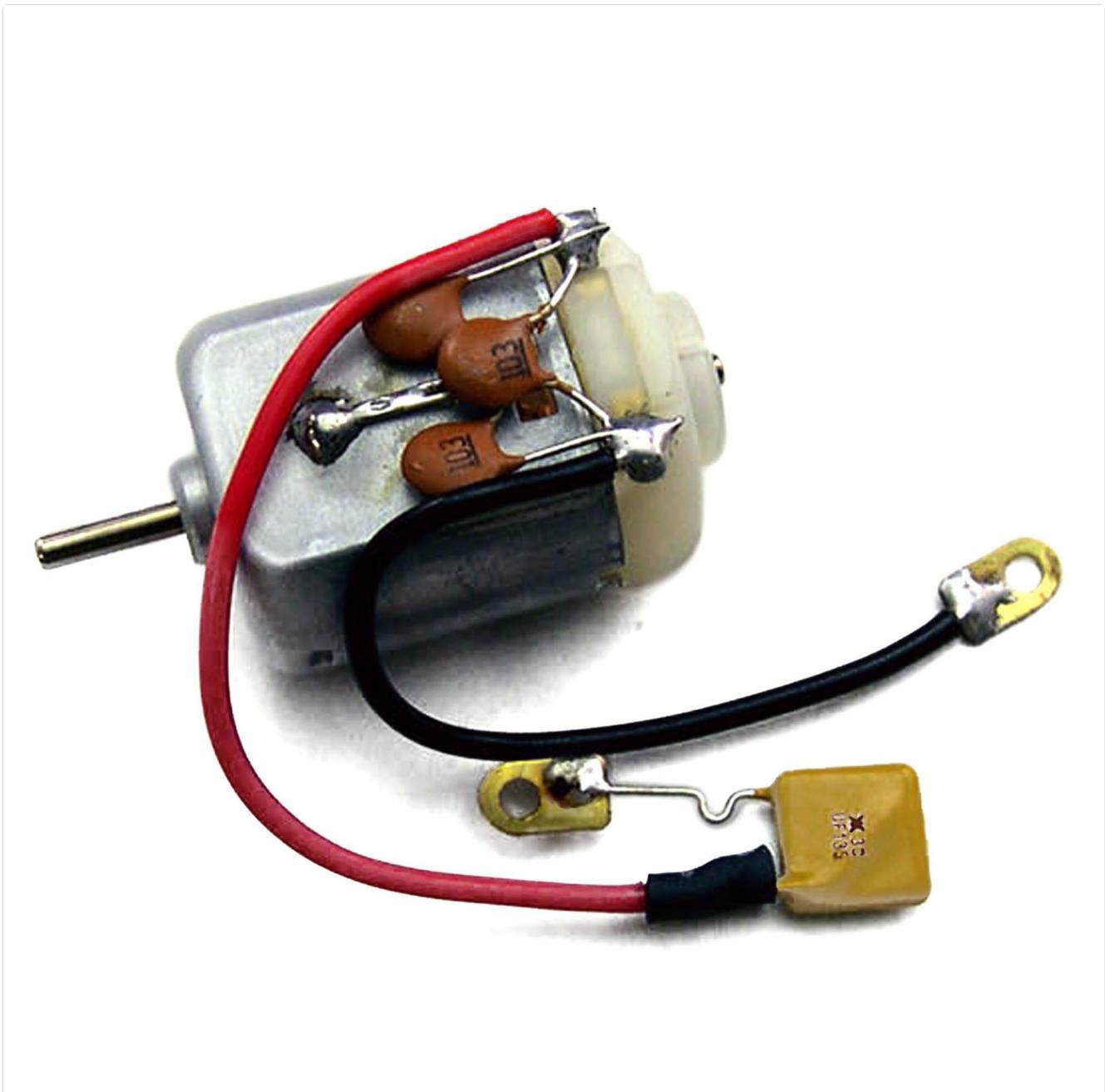


Figure 1: Kyosho Mini-Z AWD Motor Set components. This image shows the motor and any included accessories.

## 4. SETUP AND INSTALLATION

Follow these steps to install the Kyosho Mini-Z AWD Motor into your compatible Mini-Z AWD chassis.

### Tools Required:

- Small Phillips head screwdriver
- Small flathead screwdriver (optional, for prying)
- Tweezers (optional, for small parts)

### Installation Procedure:

1. **Prepare the Chassis:** Ensure your Mini-Z AWD vehicle is powered off and the battery is removed. Carefully remove the body shell to access the chassis.
2. **Remove Existing Motor:** Locate the existing motor in the chassis. Disconnect any wires attached to the motor. Carefully unscrew and remove the motor from its mounting position. Note the orientation of the motor

and its wiring for correct installation of the new motor.

- 3. Install New Motor:** Place the Kyosho Mini-Z AWD Motor into the motor mount. Ensure it seats correctly and aligns with the pinion gear (if separate). Secure the motor using the provided screws or the original chassis screws. Do not overtighten.
- 4. Connect Wiring:** Connect the motor wires to the appropriate terminals on the electronic speed controller (ESC) or main circuit board. Pay close attention to polarity (positive to positive, negative to negative) to ensure correct motor rotation. Refer to your Mini-Z chassis manual for specific wiring diagrams if necessary.
- 5. Test Functionality:** Before reattaching the body shell, briefly connect the battery and perform a low-speed test to ensure the motor operates smoothly and in the correct direction. If the motor spins in reverse, reverse the polarity of the motor wires.
- 6. Reassemble:** Once satisfied with the motor's operation, reattach the body shell to your Mini-Z AWD vehicle.

## 5. OPERATING INSTRUCTIONS

---

Once installed, the Kyosho Mini-Z AWD Motor operates as part of your Mini-Z AWD vehicle's drivetrain. No special operating procedures are required for the motor itself beyond the standard operation of your RC car.

- Always ensure your vehicle's battery is fully charged for optimal performance.
- Operate your RC vehicle in open areas free from obstacles and people.
- Avoid continuous high-stress operation, which can lead to motor overheating.

## 6. MAINTENANCE

---

Regular maintenance helps ensure the longevity and performance of your motor set.

- **Cleaning:** Periodically inspect the motor for dust, dirt, or debris accumulation. Use a soft brush or compressed air to gently clean the motor, especially around the cooling vents (if present).
- **Inspection:** Check motor wires for any signs of fraying, cuts, or loose connections. Ensure the motor is securely mounted in the chassis.
- **Bearing Check:** If accessible, check motor bearings for smooth rotation. If they feel gritty or rough, they may require replacement or lubrication (consult Kyosho support for specific recommendations).

## 7. TROUBLESHOOTING

---

If you encounter issues with your motor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Motor does not run.	Battery discharged. Loose wiring connection. Incorrect wiring polarity. Motor or ESC malfunction.	Charge or replace battery. Check and secure all wire connections. Verify correct wire polarity (positive/negative). Consult Kyosho support if other solutions fail.

Problem	Possible Cause	Solution
Motor runs slowly or with reduced power.	<p>Low battery charge.</p> <p>Excessive friction in drivetrain.</p> <p>Motor overheating.</p> <p>Motor wear.</p>	<p>Charge battery.</p> <p>Inspect gears and bearings for smooth operation.</p> <p>Allow motor to cool down. Reduce continuous high-stress operation.</p> <p>Consider motor replacement if significant wear is observed.</p>
Motor makes unusual noises.	<p>Debris in motor.</p> <p>Worn bearings.</p> <p>Gear mesh issues.</p>	<p>Clean motor thoroughly.</p> <p>Inspect and replace bearings if necessary.</p> <p>Check gear alignment and mesh.</p>

## 8. SPECIFICATIONS

<b>Brand</b>	Kyosho
<b>Model Number</b>	KYOKYOMD009P
<b>Speed</b>	200 RPM
<b>Material</b>	Plastic
<b>Item Weight</b>	0.02 Kilograms (0.704 ounces)
<b>Product Dimensions (Packaging)</b>	12 x 16 x 6 inches
<b>Manufacturer</b>	Kyosho
<b>GTIN</b>	04955439005804
<b>Recommended Age</b>	4 years and up
<b>Date First Available</b>	August 18, 2012

## 9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Kyosho Mini-Z AWD Motor Set, please contact Kyosho customer service directly. Refer to the official Kyosho website for the most up-to-date contact details and warranty policies.

*Note: Unauthorized modifications or improper installation may void the product warranty.*

