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> [Womaqu 5-Wire Digital Servo Instruction Manual for RC Car Models 14331 and 14322](#)

Womaqu 14301-34-QHUS

Womaqu 5-Wire Digital Servo Instruction Manual

For RC Car Models 14331 and 14322 (Part Number: 14301-34-QHUS)

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your Womaqu 5-Wire Digital Servo. Please read this manual thoroughly before attempting any installation or use to ensure correct functionality and longevity of the product. This servo is designed as a replacement part for Womaqu RC Car Models 14331 and 14322.

2. SAFETY INFORMATION

WARNING: Choking Hazard - Small Parts.

This product contains small components that may pose a choking hazard to young children. Keep out of reach of children under 3 years of age. Always handle with care and ensure all parts are securely installed to prevent detachment during use.

3. PRODUCT OVERVIEW

The Womaqu 5-Wire Digital Servo (Part Number: 14301-34-QHUS) is a critical component for steering control in compatible RC car models. It provides precise and responsive steering input, essential for optimal vehicle performance. This servo is specifically designed for a 5-wire connection system.

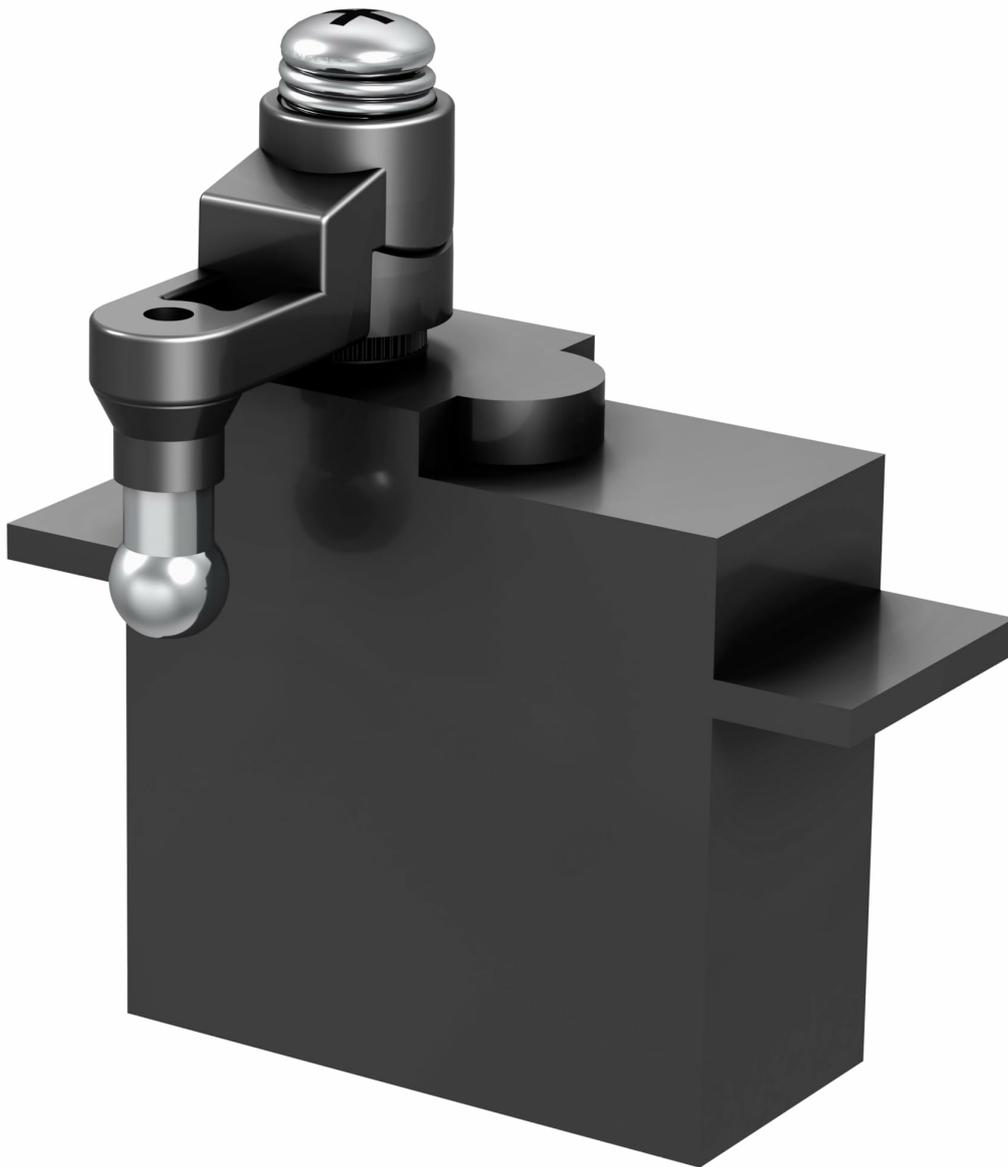


Image 1: The Womaqu 5-Wire Digital Servo (1.5 kg) shown installed within an RC car chassis, highlighting its connection point.

4. COMPATIBILITY

This 5-wire digital servo is compatible with Womaqu RC Car Models **14331** and **14322**. It is crucial to verify your RC car model number before installation to ensure proper fit and function. Using an incompatible servo may lead to malfunction or damage to your RC vehicle.

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HS14321



HS14322



HS14324



HS14331



HS14312



HS14311



HS14431



HS14411



HS14412



Image 2: Compatibility chart indicating Womaqu RC car models that are compatible (checked) and incompatible (crossed out) with this servo. Compatible models include HS14321, HS14322, HS14324, HS14331.

5. INSTALLATION INSTRUCTIONS

Follow these steps to install the Womaqu 5-Wire Digital Servo into your compatible RC car:

- 1. Remove the Old Servo:** Carefully disconnect the wiring from the existing servo to the RC car's control board. Unscrew and remove the old servo from its mounting position within the chassis.
- 2. Connect the New Servo:** Take the new Womaqu 5-Wire Digital Servo (Part Number: 14301-34-QHUS) and connect its 5-wire cable to the designated port on your RC car's control board. Ensure the connector is fully seated and oriented correctly.
- 3. Secure the New Servo:** Place the new servo into the mounting bracket or designated area in the RC car chassis. Use the appropriate screws to secure the servo firmly in place. Ensure it is stable and does not move freely.
- 4. Test Functionality:** After installation, power on your RC car and remote control. Test the steering function to ensure the servo responds correctly to inputs. Verify that the wheels turn smoothly and to their full range of

motion.

6. OPERATION

Once installed, the 5-wire digital servo operates in conjunction with your RC car's receiver and remote control. It translates the steering commands from your remote into physical movement of the RC car's front wheels. Digital servos offer precise control and quick response times.

- Ensure your RC car's battery is fully charged for optimal servo performance.
- Avoid forcing the wheels manually when the servo is powered on, as this can damage the internal gears.

7. MAINTENANCE

To ensure the longevity and reliable performance of your Womaqu 5-Wire Digital Servo, consider the following maintenance tips:

- **Keep Clean:** Regularly inspect the servo for dirt, dust, or debris accumulation, especially around moving parts. Clean with a soft, dry brush or compressed air.
- **Avoid Water Exposure:** This servo is not waterproof. Avoid exposing it to water or excessive moisture.
- **Check Connections:** Periodically verify that the 5-wire connection to the control board is secure and free from corrosion.
- **Inspect Gears:** If you notice any unusual noises or inconsistent steering, inspect the servo's internal gears for wear or damage. Replacement may be necessary if significant wear is observed.

8. TROUBLESHOOTING

If you encounter issues with your Womaqu 5-Wire Digital Servo, refer to the following common problems and solutions:

- **Servo Not Responding:**
 - Check all wiring connections to ensure they are secure and correctly plugged into the control board.
 - Verify that the RC car's battery is charged and properly connected.
 - Ensure the remote control is powered on and paired with the RC car.
- **Incorrect Part for Model:**
 - A common issue reported is receiving a servo that does not match the original part in certain RC car models, even if the model number seems similar.
 - **Always cross-reference the part number (14301-34-QHUS) and visually compare the servo with the original part from your RC car before installation.**
 - Refer to Section 4 (Compatibility) and Image 2 to confirm your RC car model is explicitly listed as compatible. If your model is not listed or if the servo does not physically match, it may be an incorrect part.
- **Inconsistent or Weak Steering:**
 - Check for any obstructions preventing the servo from moving freely.
 - Inspect the servo's gears for damage or excessive wear.
 - Ensure the servo horn is securely attached to the servo output shaft.

9. SPECIFICATIONS

Feature	Detail
Part Number	14301-34-QHUS
Type	5-Wire Digital Servo
Product Dimensions	1.6 x 0.5 x 1.76 inches
Item Weight	1.41 ounces
Compatible Models	Womaqu 14331, 14322
Manufacturer	Womaqu

10. WHAT'S IN THE BOX

The product package includes:

- 1 x Womaqu 5-Wire Digital Servo