

REELY FS53113CEI

REELY FS53113CEI On-Road Chassis Instruction Manual

Model: FS53113CEI

Brand: REELY



1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your REELY FS53113CEI On-Road Chassis. This model is designed for experienced drivers to perform fast and impressive maneuvers on the race track, while its excellent handling also makes it accessible for beginners.

Key Features:

- Pivot Ball suspension on the front axle for precise steering.
- Durable aluminum chassis providing a robust and lightweight foundation.
- Hydraulic shock absorbers for superior damping and handling on various surfaces.
- 4-Wheel Drive (4WD) system for enhanced traction and control.

2. SAFETY INFORMATION

Always operate the REELY FS53113CEI chassis responsibly to prevent injury or damage. Failure to follow these safety guidelines may result in serious injury or property damage.

- **Age Recommendation:** This product is recommended for users aged 14 years and above. It is not a toy and requires careful handling.
- **Operating Environment:** Operate the vehicle in open, clear areas away from people, pets, and obstacles. Avoid public roads, crowded areas, and wet conditions.
- **Battery Safety:** Use only compatible Lithium-ion batteries. Follow all battery charging and handling instructions provided by the battery manufacturer. Never leave charging batteries unattended.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from rotating parts such as wheels, gears, and drive shafts.
- **Heat:** The motor and electronic speed controller (ESC) can become very hot during operation. Avoid touching these components immediately after use.
- **Maintenance:** Perform regular maintenance as described in this manual to ensure safe and optimal performance.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and in good condition. The REELY FS53113CEI is an Almost Ready-to-Run (ARR) chassis, meaning it requires additional components (e.g., motor, ESC, servo, receiver, battery, charger, body) to be fully operational.

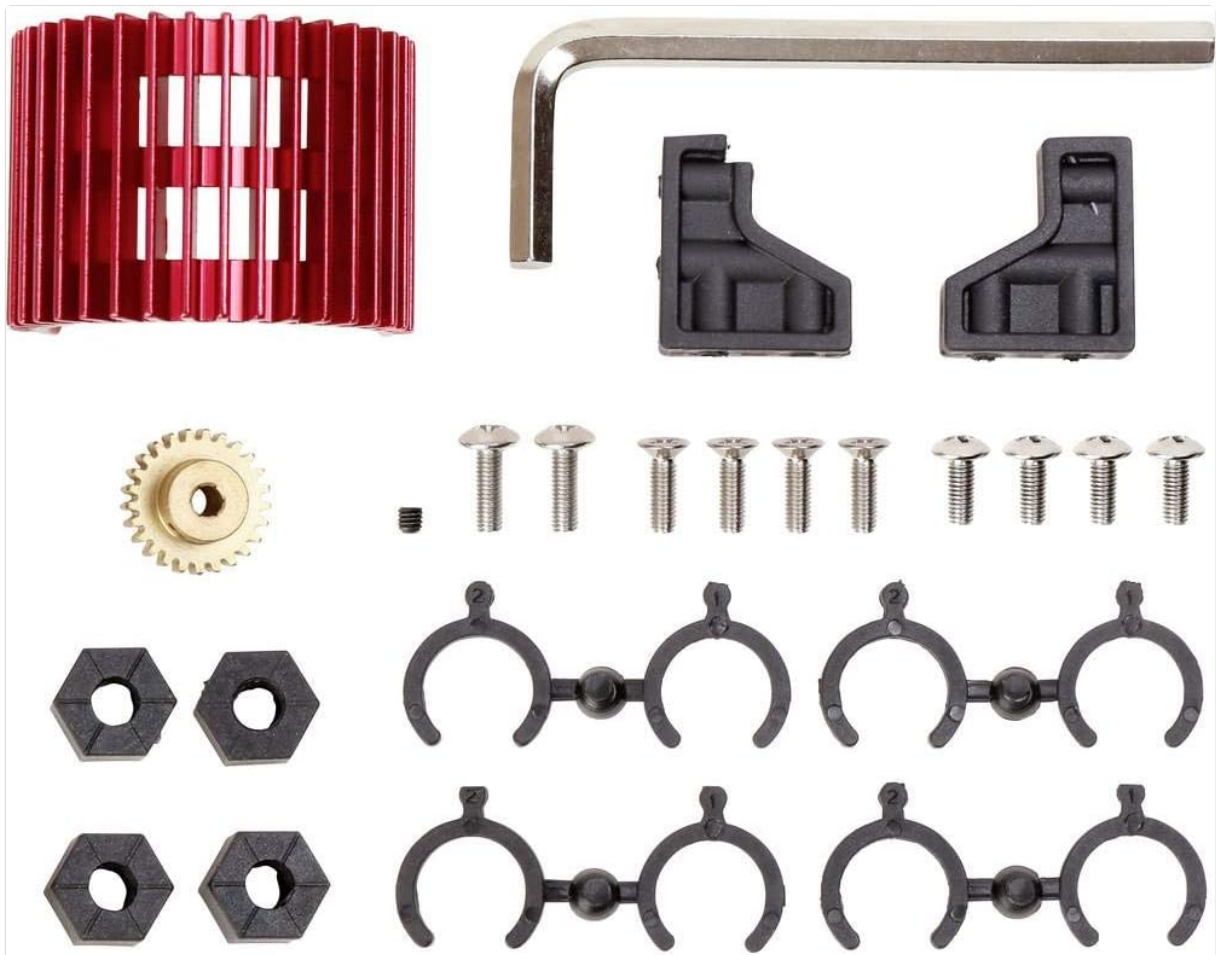


Image: Included small parts and accessories. This includes various screws, a hex wrench, a small gear, and plastic clips for assembly and adjustment.

The package typically includes:

- REELY FS53113CEI On-Road Chassis (pre-assembled)
- Hex wrench for adjustments
- Various screws and fasteners
- Small gear (pinion)
- Plastic clips and spacers
- Instruction Manual (this document)

Note: Electronic components (motor, ESC, servo, receiver), battery, charger, and car body are sold separately.

4. SETUP AND ASSEMBLY

As an Almost Ready-to-Run (ARR) chassis, some assembly and installation of electronic components are required before operation.

4.1. Electronic Component Installation

1. **Motor Installation:** Secure your chosen electric motor to the motor mount on the chassis. Ensure proper gear mesh between the motor pinion gear and the spur gear.
2. **ESC (Electronic Speed Controller) Installation:** Mount the ESC securely to the chassis using double-sided tape or a suitable mounting bracket. Connect the ESC to the motor and the receiver according to the ESC manufacturer's instructions.
3. **Steering Servo Installation:** Install the steering servo into its designated position. Connect the servo horn to the steering linkage.
4. **Receiver Installation:** Mount the receiver securely, ensuring the antenna is routed correctly and not obstructed. Connect all electronic components (ESC, servo) to the receiver.
5. **Battery Placement:** Place your Lithium-ion battery securely in the battery tray. Ensure it is properly secured to prevent

movement during operation.



Image: Front-side view of the REELY FS53113CEI chassis. This view highlights the robust aluminum chassis, the intricate pivot ball suspension system on the front axle, and the red hydraulic shock absorbers.

4.2. Initial Checks

- Ensure all screws are tightened appropriately.
- Check that the steering linkage moves freely and without binding.
- Verify that the suspension components move smoothly.
- Confirm that the battery is fully charged before first use.

5. OPERATING INSTRUCTIONS

Once the chassis is fully assembled with electronics and a charged battery, you are ready to operate your REELY FS53113CEI.

5.1. Starting the Vehicle

1. Turn on your remote control transmitter first.
2. Connect the battery to the ESC on the chassis. The ESC will typically emit a series of beeps indicating it has powered on and is ready.
3. Place the vehicle on a flat surface.
4. Perform a quick check of steering and throttle response before driving.



Image: Top-down view of the REELY FS53113CEI chassis. This perspective clearly shows the central layout of the chassis, the 4-wheel drive system, and the mounting points for electronic components.

5.2. Driving Tips

- The FS53113CEI chassis offers excellent handling. Start with gentle throttle inputs to get accustomed to its responsiveness.
- Practice steering in wide turns before attempting sharper maneuvers.
- Utilize the 4WD system for optimal traction, especially during acceleration and cornering.
- Avoid prolonged full-throttle operation, especially on rough surfaces, to prevent overheating of electronics.

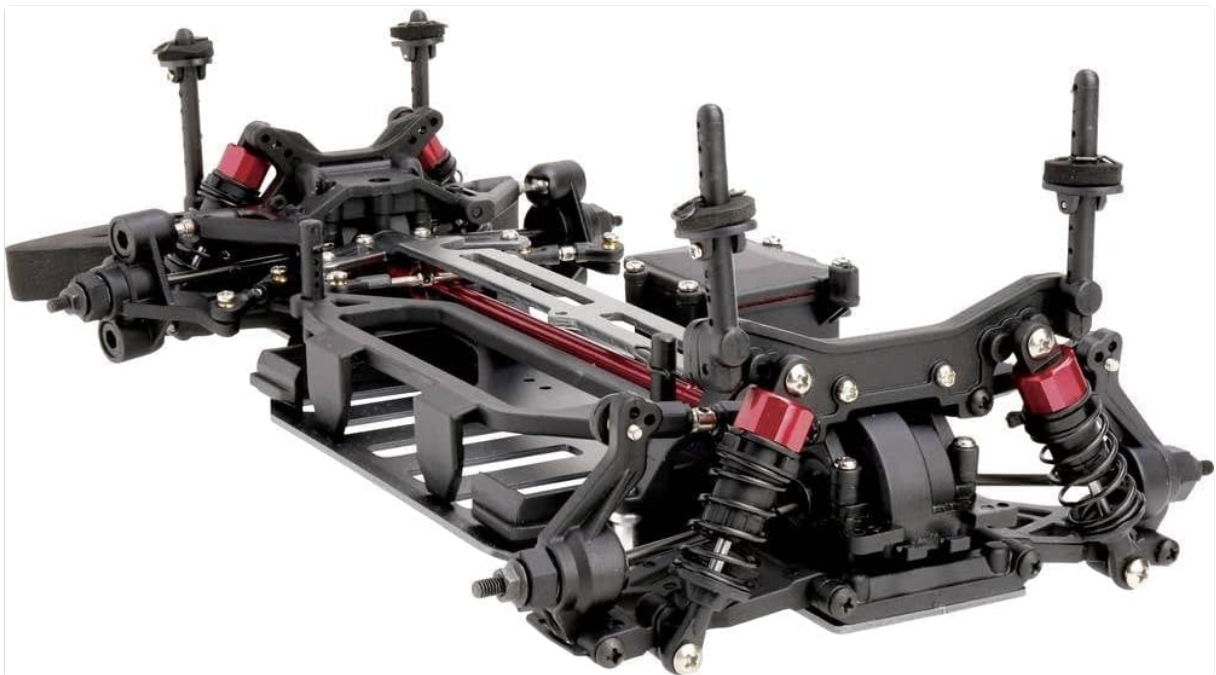


Image: Rear-side view of the REELY FS53113CEI chassis. This angle provides a clear view of the rear suspension components and the robust construction of the chassis.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your REELY FS53113CEI chassis.

6.1. After Each Use

- **Cleaning:** Remove dirt, dust, and debris from the chassis, suspension, and drivetrain using a soft brush or compressed air. Avoid using water directly on electronics.

- **Inspection:** Check for any loose screws, damaged parts, or worn tires. Tighten any loose fasteners.
- **Battery Disconnection:** Always disconnect the battery from the ESC after use to prevent over-discharge.

6.2. Periodic Maintenance (Every 5-10 Runs)

- **Lubrication:** Apply a small amount of appropriate lubricant to moving parts such as universal joints and gear teeth (if exposed).
- **Shock Absorbers:** Check the hydraulic shock absorbers for leaks or inconsistent damping. Refill or replace shock oil as needed.
- **Bearings:** Inspect wheel bearings and other rotating bearings for smooth operation. Replace if rough or noisy.
- **Suspension:** Check the pivot ball suspension for any excessive play or binding.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your REELY FS53113CEI chassis. For more complex problems, consult a qualified RC technician or contact customer support.

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Transmitter or vehicle battery low. Transmitter not turned on. Receiver not bound to transmitter. Loose wiring connection.	Charge/replace batteries. Turn on transmitter before vehicle. Re-bind receiver to transmitter (refer to receiver manual). Check all wiring connections.
Poor steering response or vehicle pulls to one side.	Steering trim incorrect. Damaged steering servo or linkage. Suspension issue (e.g., bent part, seized shock).	Adjust steering trim on transmitter. Inspect and replace damaged components. Check suspension for free movement and damage.
Motor or ESC overheating.	Incorrect gearing. Excessive load on motor. Poor ventilation.	Adjust gear ratio (smaller pinion/larger spur). Avoid continuous full throttle or driving on high-traction surfaces for extended periods. Ensure adequate airflow around electronics.

8. SPECIFICATIONS

Technical specifications for the REELY FS53113CEI On-Road Chassis:

Feature	Detail
Model Name	FS53113CEI
Brand	REELY
Scale	1:10
Dimensions (Package)	47 x 27.5 x 15 cm
Item Weight	800 Grams
Main Material	Aluminum
Color	Black
Power Source	Electric (requires external battery)
Batteries Required	No (for chassis only, external for operation)

Batteries Included	No
Recommended Battery Type	Lithium-ion
Assembly Required	No (chassis is pre-assembled, electronics installation required)
Number of Pieces	1 (chassis)
Special Features	Pivot Ball Suspension, Hydraulic Shock Absorbers
Recommended Age	14 years and up

9. WARRANTY AND SUPPORT

REELY products are manufactured to high standards. For information regarding warranty coverage and support, please refer to the official REELY website or contact your retailer.

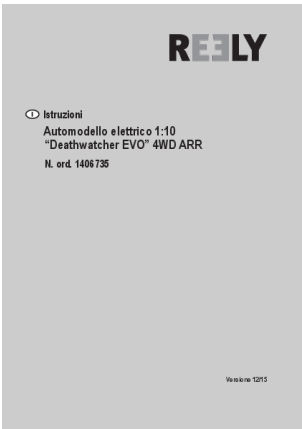
Spare Parts Availability: Spare parts for this model are generally available for a period of 1 year from the date of purchase. Please check the seller's website for specific availability.

For technical assistance or inquiries about replacement parts, please visit the official REELY support page or contact their customer service directly.



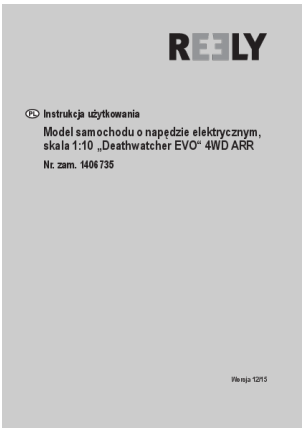
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Documents - REELY – FS53113CEI



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