

## Team Associated ASC80950

# Team Associated RC8B4.1e Team Kit (ASC80950) Instruction Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the assembly, setup, operation, and maintenance of your Team Associated RC8B4.1e Team Kit, model ASC80950. This 1/8 scale electric off-road buggy kit is designed for enthusiasts seeking high-performance and customizable racing experience. Please read this manual thoroughly before beginning assembly or operation to ensure proper function and longevity of your model.



**Figure 1.1:** The fully assembled Team Associated RC8B4.1e Team Kit. This image displays the complete 1/8 scale electric off-road buggy with its distinctive green and red body, yellow wheels, and rear wing.

## 2. SETUP AND ASSEMBLY

The RC8B4.1e is a kit that requires assembly. Follow the included detailed assembly guide for step-by-step instructions. Key features influencing setup and performance include:

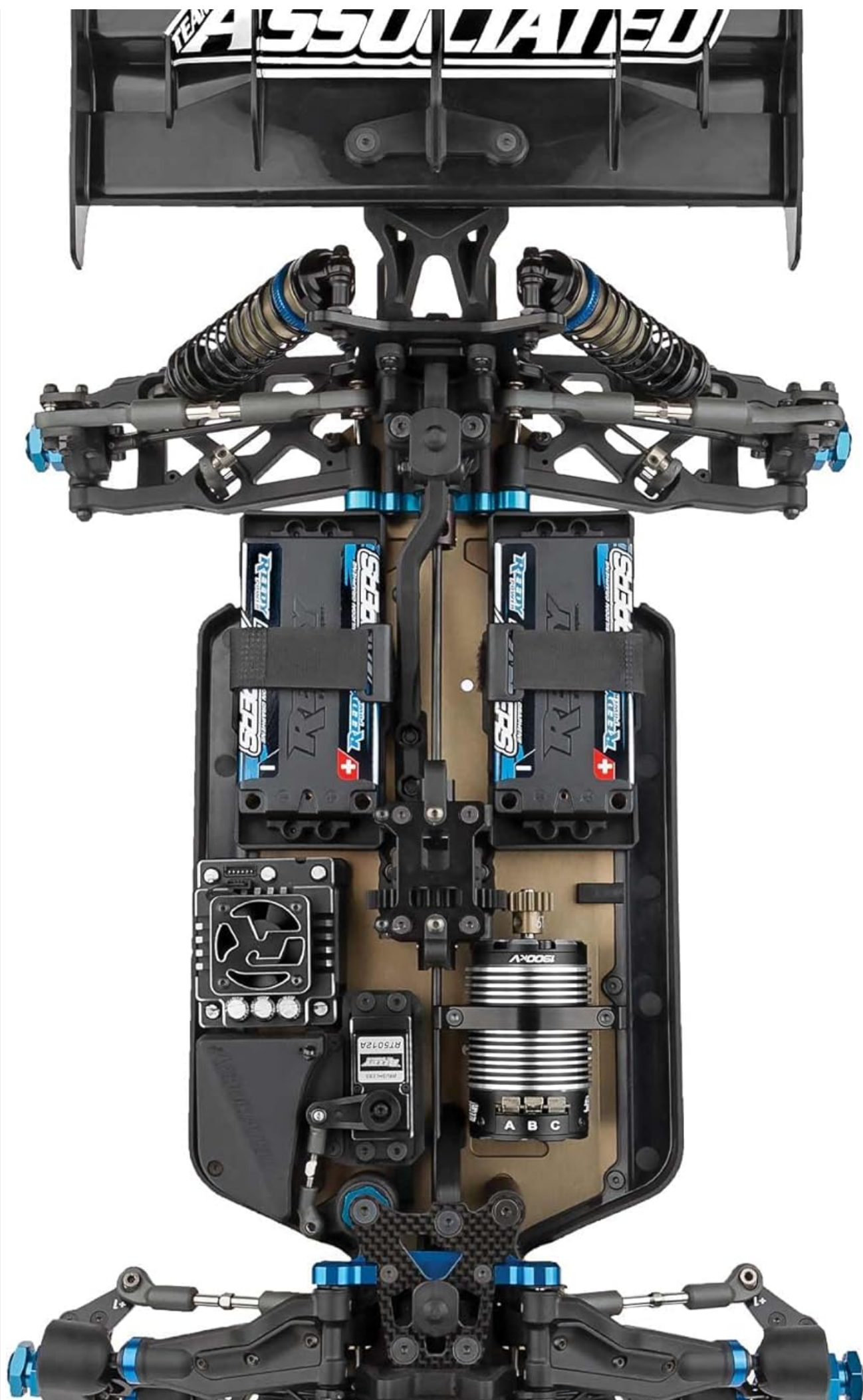
- **RWB/FWB Adjustable Weight Bias Chassis:** This innovative system allows for tuning the weight distribution to optimize rear grip or steering response. The motor can be positioned either rearward for increased traction or forward for enhanced steering by adjusting the center differential and flipping the center dogbones.
- **Low CG Shock Towers:** New low center of gravity (CG) and lightweight aluminum front and rear shock towers contribute to improved handling and stability.
- **Shock Configuration:** Shorter 16mm front and rear shock bodies, along with 6-hole 1.4mm front and 1.5mm taper rear machined shock pistons, are included. These components, combined with emulsion shock cap seals, provide precise dampening characteristics.
- **Rear Suspension Arms:** The 3-hole rear suspension arms feature updated rear anti-roll bar geometry, allowing for fine-tuning on various track conditions, from smooth to bumpy.



**Figure 2.1:** Chassis layout of the RC8B4.1e with the body removed. This view highlights the internal components, including the motor, batteries, and central differential, demonstrating the kit's modular design for assembly and customization.









**Figure 2.2:** Overhead view of the RC8B4.1e chassis. This perspective clearly shows the placement of the battery compartments, motor mount, and central drivetrain components, essential for understanding weight distribution and component access.

### 3. OPERATING INSTRUCTIONS

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Once assembled and configured, the RC8B4.1e is ready for operation. Ensure all electronic components (motor, ESC, servo, receiver, battery) are correctly installed and calibrated according to their respective manuals. Always perform a range check of your radio system before operating the vehicle.

#### 3.1. Pre-Run Checklist

- Verify all screws and fasteners are tight.
- Check battery charge levels for both the vehicle and transmitter.
- Ensure steering and throttle trims are centered.
- Inspect tires for damage and proper mounting.
- Confirm shock action is smooth and consistent.

#### 3.2. Driving Tips

The adjustable weight bias chassis allows for significant tuning. Experiment with motor forward/rearward configurations to find the optimal balance for your driving style and track conditions. Smooth throttle and steering inputs are crucial for maintaining control and maximizing performance on off-road tracks.

### 4. MAINTENANCE

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Regular maintenance is essential to ensure the longevity and performance of your RC8B4.1e. After each run, inspect the vehicle for any damage or loose components.

#### 4.1. Post-Run Inspection

- Clean dirt and debris from the chassis, suspension, and drivetrain.
- Check for bent or broken suspension components, including shock shafts and arms.
- Inspect the **13-44 Ring And Pinion Bevel Gear Set** for wear.
- Examine the **92mm Universal Driveshafts With 17mm Outdrives** for any signs of damage or excessive play.
- Ensure all wheel nuts are secure.

#### 4.2. Periodic Maintenance

- Disassemble and clean differentials, refilling with appropriate diff fluid.
- Inspect and rebuild shocks as needed, replacing O-rings and refilling with shock oil.
- Lubricate moving parts with appropriate RC-specific lubricants.
- Check for wear on bearings and replace if rough or noisy.



**Figure 4.1:** Detailed view of the RC8B4.1e's suspension and chassis components. This image highlights the shock absorbers, suspension arms, and drive shafts, which require regular inspection and maintenance.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your RC8B4.1e.

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter	Low battery (vehicle or transmitter), receiver/transmitter not bound, loose wiring, ESC not armed.	Charge batteries, re-bind receiver, check all connections, ensure ESC is properly initialized.
Poor steering response	Servo issue, steering linkage binding, incorrect trim settings, worn tires.	Check servo function, inspect steering components for obstructions, adjust trim, replace worn tires.
Motor runs but wheels do not turn	Stripped pinion/spur gear, broken driveshaft, differential issue.	Inspect gears for damage and replace, check driveshafts, examine differentials.
Overheating motor/ESC	Incorrect gearing, excessive load, poor ventilation.	Adjust gearing, reduce load, ensure proper airflow to electronics.

## 6. SPECIFICATIONS

Key technical specifications for the Team Associated RC8B4.1e Team Kit (ASC80950):

- **Product Dimensions:** 20.2 x 10 x 6.5 inches

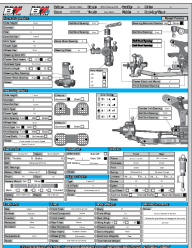

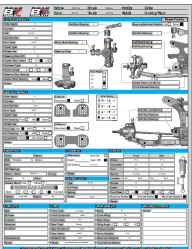
- **Item Weight:** 1 pounds (Note: This is likely the shipping weight, actual kit weight will vary with components)
- **Model Number:** ASC80950
- **Manufacturer:** Team Associated
- **Recommended Age:** 14 years and up (Note: The provided data states 14 months - 9 years, but for a complex kit like this, 14+ years is more appropriate for assembly and operation.)
- **Chassis Design:** RWB/FWB Adjustable Weight Bias
- **Shock Towers:** Low-CG, lightweight aluminum (front and rear)
- **Shocks:** Shorter 16mm bodies (front and rear), 6-hole 1.4mm front and 1.5mm taper rear machined pistons
- **Drivetrain:** 13-44 Ring and Pinion Bevel Gear Set, 92mm Universal Driveshafts with 17mm Outdrives

## 7. WARRANTY AND SUPPORT




For specific warranty information, please refer to the documentation included with your kit or contact Team Associated directly. Warranty terms typically cover manufacturing defects but not damage resulting from normal wear and tear, misuse, or improper assembly.

For technical support, replacement parts, or further assistance, please visit the official Team Associated website or contact your authorized retailer. You can also find general information and support resources on the [Team Associated Amazon store page](#).

### Related Documents - ASC80950

	<p><a href="#">Team Associated RC10 B7 Team Kit Setup Sheet</a></p> <p>Detailed setup sheet for the Team Associated RC10 B7 Team Kit, providing specific configuration parameters for suspension, drivetrain, electronics, and other components.</p>
	<p><a href="#">Team Associated RC10B6.2 Team Kit 1:10 Scale 2WD Electric Off-Road Competition Buggy Assembly Manual &amp; Catalog</a></p> <p>Comprehensive assembly manual and catalog for the Team Associated RC10B6.2 Team Kit, a 1:10 scale 2WD electric off-road competition buggy. Includes detailed step-by-step building instructions, parts lists, tuning tips, and setup sheets.</p>
	<p><a href="#">RC10B7 Team Kit Setup Sheet and Specifications</a></p> <p>Detailed setup sheet for the Associated RC10B7 Team Kit RC car, including front and rear suspension, drivetrain, shocks, tires, and weight specifications.</p>



	<p><a href="#">Team Associated RC8B4.1 Team Kit 1:8 Scale 4WD Nitro Off-Road Competition Buggy Assembly Manual</a></p> <p>Comprehensive assembly manual for the Team Associated RC8B4.1 Team Kit, a 1:8 scale 4WD nitro off-road competition buggy. Includes detailed step-by-step instructions, parts lists, and setup tips for building and maintaining the RC car.</p>
	<p><a href="#">Team Associated RC10B5M Factory Lite Team Kit Assembly Manual</a></p> <p>Detailed assembly manual for the Team Associated RC10B5M Factory Lite Team Kit, guiding users through the construction process with step-by-step instructions, parts identification, and essential tuning advice for optimal performance.</p>
	<p><a href="#">Team Associated RC12R6 Factory Team Kit: 1:12 Scale Electric 2WD On-Road Assembly Manual &amp; Catalog</a></p> <p>Comprehensive assembly manual and catalog for the Team Associated RC12R6 Factory Team Kit, a 1:12 scale electric 2WD on-road competition race car. Includes detailed build instructions, parts lists, features, and setup guidance.</p>