SAFETY PRECAUTIONS

**WARNING! CAUTION! DANGER!**

**FIRE HAZARD!** Your model is able to use LiPo batteries. Charging and discharging batteries has the potential for fire, explosion, serious injury, and property damage if not performed per the instructions. Before use, read and follow all manufacturer’s instructions, warnings, and precautions. In addition, Lithium Polymer (LiPo) batteries pose a SEVERE risk of fire if not properly handled per the instructions and require special care and handling procedures for long life and safe operation. LiPo batteries are intended only for advanced users that are educated on the risks associated with LiPo battery use. Traxxas does not recommend that anyone under the age of 14 use or handle LiPo battery packs without the supervision of a knowledgeable and responsible adult. Dispose of used batteries according to the instructions.

**Important Warnings for users of Lithium Polymer (LiPo) batteries:**

- LiPo batteries have a minimum safe discharge voltage threshold that should not be exceeded. The electronic speed control is equipped with built-in Low-Voltage Detection that alerts the driver when LiPo batteries have reached their minimum voltage (discharge) threshold. It is the driver’s responsibility to stop immediately to prevent the battery pack from being discharged below its safe minimum threshold.

- Low-Voltage Detection is just one part of a comprehensive plan for safe LiPo battery use. It is critical to follow all instructions for safe and proper charging, use, and storage of LiPo batteries. Make sure you understand how to use your LiPo batteries. If you have questions about LiPo battery usage, please consult with your local hobby dealer or contact the battery manufacturer. As a reminder, all batteries should be recycled at the end of their useful life.

- **ONLY** use a Lithium Polymer (LiPo) balance charger with a balance adapter port to charge LiPo batteries. Never use NiMH or NiCad-type chargers or charge modes to charge LiPo batteries. DO NOT charge with a NiMH-only charger. The use of a NiMH or NiCad charger or charge mode will damage the batteries and may cause fire and personal injury.

- NEVER charge LiPo battery packs in series or parallel. Charging packs in series or parallel may result in improper charger cell recognition and an improper charging rate that may lead to overcharging, cell imbalance, cell damage, and fire.

- ALWAYS inspect your LiPo batteries carefully before charging. Look for any loose leads or connectors, damaged wire insulation, damaged cell packaging, impact damage, fluid leaks, swelling (a sign of internal damage), cell deformity, missing labels, or any other damage or irregularity. If any of these conditions are observed, do not charge or use the battery pack. Follow the disposal instructions included with your battery to properly and safely dispose of the battery.

- DO NOT store or charge LiPo batteries with or around other batteries or battery packs of any type, including other LiPos.

- Store and transport your battery pack(s) in a cool dry place. DO NOT store in direct sunlight. DO NOT allow the storage temperature to exceed 140°F or 60°C, such as in the trunk of a car, or the cells may be damaged and create a fire risk.

- DO NOT disassemble LiPo batteries or cells.

- DO NOT attempt to build your own LiPo battery pack from loose cells.

**Charging and handling precautions for all battery types:**

- BEFORE you charge, ALWAYS confirm that the charger settings exactly match the type (chemistry), specification, and configuration of the battery to be charged.

- **DO NOT** attempt to charge non-rechargeable batteries (explosion hazard), batteries that have an internal charge circuit or a protection circuit, batteries that have been altered from original manufacturer configuration, or batteries that have missing or unreadable labels, preventing you from properly identifying the battery type and specifications.

- **DO NOT** exceed the maximum manufacturer recommended charge rate.

- **DO NOT** let any exposed battery contacts or wires touch each other. This will cause the battery to short circuit and create the risk of fire.

- **While charging or discharging, ALWAYS** place the battery (all types of batteries) in a fire retardant/fire proof container and on a non-flammable surface such as concrete.

- **DO NOT** charge batteries inside of an automobile. **DO NOT** charge batteries while driving in an automobile.

- **NEVER** charge batteries on wood, cloth, carpet, or on any other flammable material.

- **ALWAYS** charge batteries in a well-ventilated area.

- **REMOVE** flammable items and combustible materials from the charging area.

- **DO NOT** leave the charger and battery unattended while charging, discharging, or anytime the charger is ON with a battery connected. If there are any signs of a malfunction or in the event of an emergency, unplug the charger from the power source and disconnect the battery from the charger.

- **DO NOT** operate the charger in a cluttered space, or place objects on top of the charger or battery.

- **If any battery or battery cell is damaged in any way**, **DO NOT** charge, discharge, or use the battery.

- **Keep a Class D fire extinguisher nearby in case of fire.**

- **DO NOT** disassemble, crush, short circuit, or expose the batteries to flame or other source of ignition. Toxic materials could be released. If eye or skin contact occurs, flush with water.

- If a battery gets hot to the touch during the charging process (temperature greater than 110°F / 43°C), immediately disconnect the battery from the charger and discontinue charging.

- **Allow the battery pack to cool off between runs (before charging).**

- **ALWAYS** unplug the charger and disconnect the battery when not in use.

- **ALWAYS** unplug the battery from the electronic speed control when the model is not in use and when it is being stored or transported.

- **DO NOT** disassemble the charger.

- **REMOVE** the battery from your model or device before charging.

- **DO NOT** expose the charger to water or moisture.

- **ALWAYS** store battery packs safely out of the reach of children or pets. Children should always have adult supervision when charging and handling batteries.

- **Nickel-Metal Hydride (NiMH) batteries must be recycled or disposed of properly.**

- **Always proceed with caution and use good common sense at all times.**
All of us at Traxxas want you to safely enjoy your new model. Operate your model sensibly and with care, and it will be exciting, safe, and fun for you and those around you. Failure to operate your model in a safe and responsible manner may result in property damage and serious injury. The precautions outlined in this manual should be strictly followed to help ensure safe operation. You alone must see that the instructions are followed and the precautions are adhered to.

Important Points to Remember

• Your model is not intended for use on public roads or congested areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.

• Never, under any circumstances, operate the model in crowds of people. Your model is very fast and could cause injury if allowed to collide with anyone.

• Because your model is controlled by radio, it is subject to radio interference from many sources that are beyond your control. Since radio interference can cause momentary losses of radio control, always allow a safety margin in all directions around the model in order to prevent collisions.

• The motor, battery, and speed control can become hot during use. Be careful to avoid getting burned.

• Don’t operate your model at night, or anytime your line of sight to the model may be obstructed or impaired in any way.

Speed Control

Your model’s electronic speed control (ESC) is an extremely powerful electronic device capable of delivering high current. Please closely follow these precautions to prevent damage to the speed control or other components.

• **Disconnect the Battery:** Always disconnect the battery or batteries from the speed control when not in use.

• **Insulate the Wires:** Always insulate exposed wiring with heat shrink tubing to prevent short circuits.

• **Transmitter on First:** Switch on your transmitter first before switching on the speed control to prevent runaways and erratic performance.

• **Don’t Get Burned:** The ESC and motor can become extremely hot during use, so be careful not to touch them until they cool. Supply adequate airflow for cooling.

• **Use the Factory-Installed Connectors:** Do not change the battery and motor connectors. Improper wiring can cause fire or damage to the ESC. Please note that modified speed controls can be subject to a rewiring fee when returned for service.

• **No Reverse Voltage:** The ESC is not protected against reverse polarity voltage.

• **No Schottky Diodes:** External Schottky diodes are not compatible with reversing speed controls. Using a Schottky diode with your Traxxas speed control will damage the ESC and void the 30-day warranty.

• **Always** adhere to the minimum and maximum limitations of the speed control as stated in the specifications table in the Owner’s Manual. If your ESC operates on two batteries, do not mix battery types and capacities. Use the same voltage and capacity for both batteries. Using mismatched battery packs could damage the batteries and electronic speed control.

Recycling Traxxas Power Cell NiMH Batteries

Traxxas strongly encourages you to recycle Power Cell NiMH batteries when they reach the end of their useful life. Do not throw batteries in the trash. All Power Cell NiMH battery packs display the RBRC (Rechargeable Battery Recycling Corporation) icon, indicating they are recyclable. To find a recycling center near you, ask your local hobby dealer or visit www.call2recycle.org.
Thank you for purchasing the Traxxas Stampede 4X4 unassembled kit. Whether you're going through muddy water crossings or just having fun crushing your buddies' cars, the Stampede 4X4 just doesn't know when to quit. The Stampede 4X4 is overbuilt and Traxxas Tough to withstand all the 4-wheel drive monster mayhem you can dish out. Its tall, drive-over-anything ground clearance and ultra-tough, long-arm suspension make Stampede 4X4 feel nearly indestructible. Chrome All-Star™ 2.8” wheels give Stampede 4X4 aggressive style, and soft Chevron Maxx™ tires deliver true multi-terrain capability.

This manual details the assembly of the Stampede 4X4. This manual will also acquaint you with the model's many different components and its mechanical operation. Read through the manual and examine the model carefully before opening any of the parts bags included in the kit. If for some reason you think the model is not what you wanted, then do not continue any further. Your hobby dealer absolutely cannot accept a model for return or exchange which has been run or contains open bags.

If you have any questions about your Stampede 4X4, call Traxxas' technical support department at 1-888-TRAXXAS (1-888-872-9927) (U.S. residents only). Outside the U.S., call +1-972-549-3000). Technical support is available Monday through Friday, from 8:30am to 9:00pm central time. Technical assistance is also available at Traxxas.com/support or via e-mail at support@Traxxas.com.

Join thousands of registered members in our online community at Traxxas.com. Traxxas offers a full-service, on-site repair facility to handle any of your Traxxas service needs. Maintenance and replacement parts may be purchased directly from Traxxas by phone or online at Traxxas.com. You can save time, along with shipping and handling costs, by purchasing replacement parts from your local dealer. Do not hesitate to contact us with any of your product support needs. We want you to be thoroughly satisfied with your new model!

**ASSEMBLY HINTS**

To assemble this kit, you'll need a large flat working area where you will have plenty of room to build. Be sure it's a place where you can leave your work spread out and not in the way when you want to take a break from the assembly. Allow yourself plenty of time to build this kit; assembly time is going to vary with each individual. Experienced builders may only need 4-5 hours to assemble this kit, while others may spend an entire weekend on it. You should feel comfortable with taking as much time as needed to properly build and set up your model.

If you've been exploring the contents of your kit box, you've noticed many bags of small parts. Open only one bag at a time. To keep the parts organized, use small paper plates or several large plastic plates with partitions to contain the parts. Label the paper plates, and then pour the contents of the bags onto them. This puts the parts out in the open where you can find them easily. The plates also prevent small parts from rolling off the table.

Please read the text next to each diagram. The text contains important information, such as assembly steps, screw sizes, and part numbers. Also, pay attention to any notes that may follow some steps. Before you attempt to run your newly-built model, please read all of the instructions and precautions included in the Owner's Manual. You can download the Owner's Manual for the Stampede 4X4, as well as the manuals for all Traxxas vehicles, at Traxxas.com.

Remember, as you assemble your Traxxas model, you are not alone. If you have any questions or run into difficulties, call Traxxas' technical support department at 1-888-TRAXXAS (1-888-872-9927) (U.S. residents only). Outside the U.S., call +1-972-549-3000). Technical support is available Monday through Friday, from 8:30am to 9:00pm central time.

**ITEMS YOU WILL NEED**

Some of the tools that you may need in the maintenance and repair of your model have been provided. These include:

- 1.5mm “L” wrench
- 2.0mm “L” wrench
- 2.5mm ball wrench
- 4-way wrench
- U-joint wrench
- 4mm / 8mm wrench

**Required but not included:**

- Traxxas Ultra Premium Tire Glue (CA glue) (part #6468)
- 4 AA alkaline batteries
- NiMH battery pack or LiPo battery pack
- NiMH/LiPo battery charger
- Safety glasses
- Needle nose pliers

The following items are not required for the operation of your model, but are a good idea to include in any RC toolbox:

- Metric hex driver set (part #3415) (highly recommended for kit assembly)
- Hobby knife
- Side cutters

These items can be purchased from your hobby dealer.
INTRODUCTION

RADIO SYSTEM INSTRUCTIONS
The Traxxas TQ 2.4GHz radio system is provided with your unassembled kit. Complete instructions for operating the radio system are included in the Stampede 4X4 Owner’s Manual. You can download the Owner’s Manual for the Stampede 4X4, as well as the manuals for all Traxxas vehicles, at Traxxas.com.

WARRANTY STATEMENT
Every effort has been made in component design and material selection to make your model as durable as possible and still maintain a weight consistent with good handling. Because this model is intended for operation under severe conditions, no warranties are expressed nor implied relating to the longevity of the parts. If you find that a part has a defect in materials or workmanship, please return it to us BEFORE IT IS USED, and we will gladly replace it. Damage caused by excessive force, abuse, neglect or failure to adhere to the precautions outlined in the literature contained with your model will void the warranty.

HARDWARE DESCRIPTIONS
The following chart is provided to help you identify the many different sizes and types of hardware that are used in the assembly of this model. Note the difference between the length measurements of the roundhead and countersunk screws. A ruler is provided at the bottom of each page to measure the length of the screws in millimeters.

<table>
<thead>
<tr>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>3x12mm Countersunk Screw</td>
<td><img src="image" alt="3x12mm Countersunk Screw" /></td>
</tr>
<tr>
<td>3x12mm Buttonhead Screw</td>
<td><img src="image" alt="3x12mm Buttonhead Screw" /></td>
</tr>
<tr>
<td>5x10x4mm Ball Bearing</td>
<td><img src="image" alt="5x10x4mm Ball Bearing" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Icon</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCS Countersunk Cap Screw</td>
<td><img src="image" alt="CCS Icon" /></td>
</tr>
<tr>
<td>CS Cap Screw</td>
<td><img src="image" alt="CS Icon" /></td>
</tr>
<tr>
<td>FCS Flathead Cap Screw</td>
<td><img src="image" alt="FCS Icon" /></td>
</tr>
<tr>
<td>BCS Buttonhead Cap Screw</td>
<td><img src="image" alt="BCS Icon" /></td>
</tr>
<tr>
<td>CSS Cap Shoulder Screw</td>
<td><img src="image" alt="CSS Icon" /></td>
</tr>
<tr>
<td>NL Nylon Locknut</td>
<td><img src="image" alt="NL Icon" /></td>
</tr>
<tr>
<td>GS Set (Grub) Screw</td>
<td><img src="image" alt="GS Icon" /></td>
</tr>
<tr>
<td>PTW PTFE Washer</td>
<td><img src="image" alt="PTW Icon" /></td>
</tr>
<tr>
<td>MW Metal Washer</td>
<td><img src="image" alt="MW Icon" /></td>
</tr>
<tr>
<td>E E-Clip</td>
<td><img src="image" alt="E Icon" /></td>
</tr>
<tr>
<td>BB Ball Bearing</td>
<td><img src="image" alt="BB Icon" /></td>
</tr>
</tbody>
</table>

ICON DESCRIPTIONS
There are icons in this assembly instruction which indicate certain actions needed during assembly.

- **Grease Tube**
  - Apply included grease to part indicated.
  - White: Silicone
  - Dark: Black Lithium

- **Turn Icon**
  - Indicates assembly needs to be flipped or turned around.

- **Oil Bottle**
  - Black: Use included silicone shock oil.
  - White: Use included differential fluid.

- **Repeat Icon**
  - Repeat step the number of times indicated.

- **Optional Part Icon**
  - Optional part available. Refer to included parts list.

- **Aluminum Part Icon**
  - Aluminum accessory part available. Refer to included parts list.
A. DIFFERENTIAL ASSEMBLY

Differential Carrier
Differential Output Gear (2)
6x9.5x0.5 PTFE Washer
X-Ring (2)
Differential Gasket
Spider Gear (2)
Ring Gear
2.5x8mm CS (4)
8x16x5mm BB
10x15x4mm BB

A1. Install output and spider gears into differential carrier

Tip: Lubricate the shaft of the differential output gear with a drop of 30K differential oil before installing the X-ring.

A2. Add differential fluid

Fill differential carrier half way with included 30K differential oil.

A3. Install output gear into ring gear and assemble onto differential carrier

Tip: Lubricate the shaft of the differential output gear with a drop of 30K differential oil before installing the X-ring.

A4. Install ball bearings

Tighten screws in a cross pattern

Completed differential assemblies

Tip:

ACCESSORY

Option Part
5379X Ring gear, differential/pinion gear, differential for brushless models
**B. SHOCK ASSEMBLY**

**SHOCK BAG**
- Shock Assemblies
- Silicone Shock Oil
- Front Shock Springs
- Rear Shock Springs
- Upper Spring Retainers (4)
- Lower Spring Retainers (4)
- Preload Spacers (2)

**ACCESSORY**
- Aluminum Accessory
  - Aluminum Shock Caps
    - 3767A - Blue
    - 3767G - Green
    - 3767X - Red
- Option Part
  - Titanium Nitride
  - Shock Shafts
    - 1664T Long
    - 2656T XX-long

---

**B1. Assemble front and rear shocks**

1. **Unscrew cap**

2. **Fill with shock oil**

3. **Slowly move piston to remove excess air, then let sit a few minutes until all the bubbles are out.**

4. **Add oil to reach the proper level. Ensure the piston is covered in oil to prevent pulling air into the shock.**

5. **Note: Shaft should be fully compressed when cap is installed.**

---

**Shock Exploded View**
- Shock Cap
- Rubber Diaphragm
- Upper Spring Retainer
- Lower Spring Retainer
- Preload Spacer*
- Shock Spring

**Front Shocks Assembled**
- 8mm Preload Spacer

**Rear Shocks Assembled**

---

**Exercise shock to make sure it compresses fully. If it does not, it is overfilled.**

---

*8mm preload spacer on front shocks only*
C. FRONT MODULE ASSEMBLY

FRONT BULKHEAD BAG
- Front Differential Housing
  - Front Bulkhead
  - 4x12mm CCS (2)
  - 12T Pinion Gear
  - 6x12x4mm BB (2)

Differential Bag
- Black Lithium Grease

C1. Install differential housing onto front bulkhead
- Front Differential Housing
- Front Bulkhead
- 4x12mm CCS

C2. Install 12T pinion gear into differential housing
- 12T Pinion Gear
- 6x12x4 BB

C3. Install differential assembly
- Apply drop of grease

ACCESSORY
- Aluminum Accessory
  - 6893X Shock Tower

FRONT BULKHEAD BAG
- Front Differential Cover
- Front Shock Tower
- 3x10mm BCS (2)
- 3x15mm BCS (2)

DIFFERENTIAL BAG
- Front Differential Cover
- Front Shock Tower
- 3x10mm BCS
- 3x15mm BCS

Apply drop of grease
C. FRONT MODULE ASSEMBLY

**ACCESSORY**
Aluminum Accessory
6823R Red Tie Bar

**C4. Install front suspension arms**
- Front Suspension Arms (L&R)
- Front Tie Bar
- Front Suspension Pins (2)
- 3x15mm BCS

**C5. Install lower skidplate**
- Front Lower Skidplate
- 4x10mm CCS (3)
- Front Lower Skidplate
- 4x10mm CCS
C. FRONT MODULE ASSEMBLY

**C6. Assemble front hubs**

- **Right Front Hub Assembly**
  - 5x11x4mm BB
  - Right Steering Block
- **Left Front Hub Assembly**
  - 10x15x4mm BB
  - 5x11x4mm BB

**FRONT BULKHEAD BAG**

- Steering Blocks (L&R)
- Caster Blocks (L&R)
- 3x12mm CSS (4)
- 5x11x4mm BB (2)
- 10x15x4mm BB (2)

**ACCESSORY**

- Aluminum Accessory
  - 6832X Blue Caster Block
  - 6832R Red Caster Block
  - 6837X Blue Steering Block
  - 6837R Red Steering Block

**C7. Install front driveshafts into hub assemblies**

- **Inner Driveshaft**
  - 3x12mm CSS
  - Right Caster Block
- **Outer Driveshaft**
  - 5x8x0.5 PTFE Washer
- **Front Hub Assembly**
  - 2x9.8mm Pin

**FRONT BULKHEAD BAG**

- Outer Driveshaft
- Inner Driveshaft
- 5x8x0.5 PTFE Washer
- 2x9.8mm Pin
- Wheel Adapter

**ACCESSORY**

- Aluminum Accessory
  - 1654X Wheel Hubs
- Option Part
  - 6851R Constant-Velocity Driveshafts
C. FRONT MODULE ASSEMBLY

FRONT BULKHEAD BAG

C8. Install front driveshaft and hub assemblies

3x11mm Screw Pin (2)
3x28mm Hinge Pin (2)

C9. Install front camber links

Camber Links (2)
3x12mm CSS (2)
3x15mm BCS (2)
6.25x8.5mm Bushing (2)
3x6x0.5mm MW (2)

ACCESSORY
Option Part
5539 Turnbuckle
Camber Links
C. FRONT MODULE ASSEMBLY

**FRONT BULKHEAD BAG**

C10. Install front bumper

Front Bumper
- 4x14mm BCS (2)
- 3x15mm BCS (2)

C11. Install assembled front shocks

Front Shock Guards
- 3x12mm CSS (2)
- 3x18mm BCS (4)
- 3x6x0.5mm MW (2)

Shock Guard Spacer (2)

Lower shock mounting location

Upper shock mounting location

Front Shock Guards
- 3x18mm BCS

Shock Guard Spacer
- 3x6x0.5mm MW
- 3x12mm CSS

(Location indicator on inside face)
C. FRONT MODULE ASSEMBLY

**STEERING BAG**
- Bellcrank Sleeve
- Bellcrank Arm
- 3x8mm CS
- 3x6.05mm MW
- 5x8x2.5mm PB (2)
- 3x10mm CSS (2)

**C12. Assemble bellcrank onto chassis**
- 3x8mm CS
- 3x6x.05mm MW
- Bellcrank Sleeve
- Bellcrank Arm
- 5x8x2.5mm PB

**C13. Install steering draglink onto bellcrank**
- 3x10mm CSS

**STEERING BAG**
- Toe Link (2)
- 3x15mm CCS (2)
- 3x15mm BCS (2)

**ACCESSORY**
- Option Part
- 3643 Turnbuckle Camber Links

**C14. Install toe links**
- 3x15mm BCS
- 3x15mm CCS (2)

**Completed front module assembly**
- Check your assembly carefully.

*Note: Do not overtighten*
D. REAR MODULE ASSEMBLY

D1. Install differential housing onto rear bulkhead

D2. Install 12T pinion gear into differential housing

D3. Install differential into differential housing

D4. Install rear shock tower and differential cover
**D. REAR MODULE ASSEMBLY**

**REAR BULKHEAD BAG**

- **D5. Install suspension arms onto rear bulkhead assembly**
  - Rear Suspension Arms (L&R)
  - Rear Suspension Pins (2)

**REAR BULKHEAD BAG**

- **D6. Assemble and install rear bumper**
  - Upper Wheelie Bar Mount
  - Lower Wheelie Bar Mount
  - Rear Skid Plate
  - Rear Tie Bar
  - 3x12mm CCS (2)
  - 3x15mm BCS (4)
  - 3x20mm BCS (3)

---

**Rear Suspension Arms (L&R)**

- Left Rear Suspension Arm
- Rear Suspension Pin
- Right Rear Suspension Arm
- Rear Suspension Pin

**Rear Suspension Pins (2)**

**Rear Suspension Arms (L&R)**

**Rear Suspension Pins (2)**

**Rear Bumper (assembled)**

**Rear Bumper assembly**

**Upper Wheelie Bar Mount**

**Lower Wheelie Bar Mount**

**Rear Skid Plate**

**Rear Tie Bar**

**Rear Suspension Pins (2)**

**3x20mm BCS**

**3x12mm CCS**

**3x15mm BCS**

**Rear Bumper assembly**

**Upper Wheelie Bar Mount**

**Lower Wheelie Bar Mount**

**Rear Skid Plate**
**D. REAR MODULE ASSEMBLY**

**REAR BULKHEAD BAG**

**D7. Assemble rear driveshafts and hub assemblies**

- Outer Driveshaft
- Inner Driveshaft
- Stub Axle Carrier
- 5x11x4mm BB (2)
- 5x8x0.5 PTFE Washer (2)
- 2x9.8mm Pin
- Wheel Adapter

**ACCESSORY**

- Aluminum Accessory
  - Stub Axle Carrier
  - 1952X - Blue
  - 1952A - Red
- Aluminum Accessory
  - 1654X Wheel Hubs
- Option Part
  - 6852R Constant-Velocity Driveshafts

**FRONT BULKHEAD BAG**

**D8. Install rear driveshaft and hub assemblies**

- 3x11mm Screw Pin (2)
- 3x28mm Hinge Pin (2)
- 3x11mm Screw Pin
- 3x28mm Hinge Pin
- Hinge pin mounting location

**SNAP**

- Inner Driveshaft
- Outer Driveshaft
- Wheel Adapter
- 2x9.8mm Pin
D. REAR MODULE ASSEMBLY

REAR BULKHEAD BAG

- Camber Links (2)
- 3x12mm CSS (4)
- 3x6x0.5mm MW (4)

ACCESSORY

- Option Part
  - 3644 Turnbuckle
  - Camber Links

REAR BULKHEAD BAG

- Rear Shock Guards
  - 3x12mm CSS (2)
  - 3x6x0.5mm MW (2)
  - 3x18mm BCS (4)
- Shock Guard Spacer (2)

D9. Install rear camber links

- 3x12mm CSS
- 3x6x0.5mm MW
- Camber Link

D10. Install assembled rear shocks

- Upper shock mounting location
  - 3x12mm CSS
  - 3x6x0.5mm MW
- Lower shock mounting location
  - 3x18mm BCS
- Shock Guard
- Shock Guard Spacer

Completed rear module assembly

Check your assembly carefully.
### CHASSIS BAG

**Motor Mount**

3x6mm CCS

M3x0.5 NL

3x6mm FCS

3x10mm BCS (2)

3x8mm BCS

---

**Telemetry Magnet Holder Cover**

3x6mm CCS

---

**CHASSIS BAG**

**E1. Assemble motor mount and install into chassis**

- Assemble motor mount and install into chassis.

- **Motor Mount**
  - 3x10mm BCS

- **Telemetry Magnet**
  - 3x6mm FCS*

- **3x8mm BCS** installs from underside of the chassis

*Note: Do not overtighten*

---

### ELECTRONICS BAG

**Steering Servo**

---

### ACCESSORY

**Option Part**

- 2075 Digital High-Torque Servo
- 2275R Digital High-Speed Servo
- 2250 Coreless Servo
- 2255 Brushless Servo

---

**E2. Install servo into chassis**

- Install servo into chassis.

- **Motor Mount**
  - 3x10mm BCS

- **Telemetry Magnet**
  - 3x6mm FCS

- **3x6mm**

---

**Note servo orientation. Wires should face the front.**

---

**Steering Servo**

---
CHASSIS BAG

3x15mm BCS
3x15mm CCS
3x6mm BCS
Battery Post
Center Driveshaft Cover
Battery Hold Down Retainer
Battery Hold Down
Angled Body Clip

CHASSIS BAG

E3. Install battery hold down

Battery Post
Center Driveshaft Cover
3x15mm BCS
Battery Hold Down Retainer

E4. Install electronic speed control into chassis

Battery Post
Battery Hold Down Retainer
3x15mm CCS

ELECTRONICS BAG

XL-5 Electronic Speed Control

ACCESSORY

Option Part
3355R VXL-3s
Electronic Speed Control
CHASSIS ASSEMBLY

E5. Install lower receiver box onto chassis

E6. Install receiver into lower receiver box

Place on smooth surface portion

E7. Install wires into receiver box

1. Install lower foam into receiver box cover

2. Route wires through receiver box cover

3. Bundle excess wires in receiver box

CHASSIS BAG

Lower Receiver Box
2.5x8mm CS (2)
Receiver Foam Tape

ELECTRONICS BAG

TQ Receiver

ACCESSORY

Option Part
6533 TQi 2.4GHz
5Ch Micro Receiver

Lower Receiver Box Foam
Receiver Box Cover

CHASSIS BAG

Lower Receiver Box Foam
Receiver Box Cover

TQ Receiver TQ Receiver
Receiver Foam Tape

CHASSIS BAG

Lower Receiver Box
2.5x8mm CS

Receiver Foam Tape

CHASSIS BAG

Lower Receiver Box
2.5x8mm CS

Receiver Foam Tape

Receiver Foam Tape

Place on smooth surface portion

TQ Receiver

E. CHASSIS ASSEMBLY

1. Install lower foam into receiver box cover

2. Route wires through receiver box cover

3. Bundle excess wires in receiver box

CH1 Steering Servo

CH2 Electronic Speed Control

CH3 Not Used

CH1 Not Used
**E. CHASSIS ASSEMBLY**

**CHASSIS BAG**
- Antenna Tube
- Antenna Cap
- 3x4mm GS (2)
- 3x10mm CS (2)
- O-Ring Seal
- Upper Receiver Box Foam
- Receiver Wire Clamp
- 2.5x8mm CS (2)

**ELECTRONICS BAG**
- Silicone Grease

---

**E8. Slide the antenna wire into the antenna tube and insert tube into chassis**

1. **Antenna Cap**
2. **3x4mm GS**
3. **3x10mm CS**
4. **Antenna Tube**

**E9. Waterproof and seal the receiver box**

1. **Upper Receiver Box Foam**
2. **Receiver Wire Clamp**
3. **Apply small bead of grease**
4. **2.5x8mm CS**

---

*To prevent loss of radio range, do not kink or cut the black wire, do not bend or cut the metal tip, and do not bend or cut the white wire at the end of the metal tip.*

---

**Completed chassis assembly**

**Check your assembly carefully.**
**CENTER DRIVELINE BAG**

1. **Slipper friction material install**
   - Slipper clutch assembly
   - 54T Spur Gear
   - Slipper Hub
   - Slipper Input Shaft
   - Slipper Pressure Plate
   - Slipper Steel Disc
   - Drive Hub
   - 2x9.8mm Pin
   - M5x0.8 NL
   - 10x15x4mm BB
   - Slipper Hub Adapter
   - 5x11x4mm BB
   - Slipper Friction Material (3)
   - 3x6mm CS (3)
   - 4x3mm GS

2. **Tighten the slipper clutch adjusting nut clockwise until the slipper clutch adjusting spring fully collapses (do not overtighten), and then turn the slipper clutch nut counterclockwise one full turn.**

**CHASSIS BAG**

1. **Turn transmitter on** (see Quick Start)
2. **Plug battery into ESC** (see Quick Start)
3. **Turn on the model** (see Quick Start)
4. **Set Steering Trim to Zero** (see Quick Start)
5. **Unplug battery and turn transmitter off**

**NOTE: Align grub screw with flat spot on shaft**
**CENTER DRIVELINE BAG**
F4. Install center driveshaft

Center Driveshaft
3x11 Screw Pin

---

**ACCESSORY**
Aluminum Accessory
6755 Aluminum
Center Driveshaft

---

**CHASSIS BAG**
F5. Secure front assembly to chassis

4x12mm BCS (2)
4x10mm CCS (2)
3x15mm BCS (2)

---

**STEERING BAG**
Steering Link

37mm
10.7mm

---

Thread driveshaft into chassis and attach front assembly.

Steering Link

Note orientation

3x15mm BCS

4x10mm CCS

4x12mm BCS
**F. SUSPENSION & DRIVELINE INSTALLATION**

**Install slipper clutch assembly into chassis**

*Tip:* Wiggle rear driveshafts until the slipper clutch assembly shaft seats into the rear differential input.

*Note:* Slipper clutch drive hub seats into center driveshaft.

**Install rear module onto chassis**

*Note:* Make sure the rear bulkhead is mated to the chassis properly as shown before tightening screws.
### F. SUSPENSION & DRIVELINE INSTALLATION

#### CHASSIS BAG
- 3x8mm CCS (2)
- 9-Tooth Pinion Gear
- 3x4 GS
- 3x15mm CS
- Motor Plate
- Wire Hold Down Clip
- 3x6mm BCS

#### ELECTRONICS BAG
- Titan 12T Motor

#### ACCESSORY
- Option Part 3351R Velineon Motor
- Aluminum Accessory 6890X 6061-T6 Aluminum Motor Plate

#### F7. Install motor plate to motor
- Loosen the motor screw.
- Cut a narrow strip of notebook paper and run it into the gear mesh.

#### F8. Install 9T pinion onto motor
- Plug bullet connectors from motor into ESC
- Wire Hold Down Clip

#### F9. Install motor into motor chassis
- Slide the motor and pinion gear into the spur gear. Retighten the motor screws, and then remove the paper.

#### F10. Set gear mesh and install gear cover
- Gear Cover
- 3x6mm BCS

#### ACCESSORY
- Option Part 6877A Clear Gear Cover
**G. FINAL ASSEMBLY**

**BODY MOUNT BAG**
- Body Mount Post (4)
- Front Body Mount
- Rear Body Mount
- Post Foam Pad (2 Thin & 2 Thick)
- 3x8mm BCS (4)
- 3x10mm BCS (4)

**WHEELS AND TIRE BAG**
- M4x0.7 NL (4)
- Wheels (4)
- Tires with Foam Inserts (4)
- Traxxas Ultra Premium Tire Glue (Part #6468 Sold Separately)

**ACCESSORY**
- Option Part
  - 4175 Paddle Tires
  - 3669 Talon Tires

**G1. Install front and rear body mounts**

**G2. Glue tires and install on front and rear axles**

**Glue the tires to the wheels. Use your thumb to push the side of the tire away from the wheel. Repeat at four points around the wheel. Once dry, turn the wheel over and repeat on the inside of the wheel.**

**Note rotation direction arrow when installing.**
Kit assembly complete
Painting the Body

Buying Paint
The body supplied with your model is molded from lightweight and durable clear polycarbonate. It should be painted on the underside so that the color will not be scratched off while running. The best way to paint the body is by using thinned paints sprayed through an airbrush or spray gun. If you do not have these tools, the next best way is using spray can paints. Whatever paint you use, be sure that it is made for painting Lexan® or polycarbonate. Other types of paints and solvents can attack the body material and cause it to appear foggy.

Preparing the Body
The body must be washed thoroughly with dish soap and water to remove any grease or oil (i.e., fingerprints), which may keep the paint from adhering to it. Dry the body completely with a soft, lint-free cloth. Mask off any stripes or custom effects with either masking tape or special tape made for striping. This special tape is available from automotive paint supply stores and will provide sharper edges than masking tape. For easy, custom-colored striping, automotive pin-striping tape can be applied to the inside of the body and painted over. Be sure that all of your tape and masks are fully pressed down (burnished) so that the paint will not run or bleed underneath. Usually, the darker colors are painted first, followed by the lighter colors. If your paint scheme would be easier to mask by covering the dark areas and spraying them last, be sure the lighter colors are opaque enough to prevent the darker color from showing through. Lighter colors can be backed with silver to help make them opaque.

Spraying the Body
Read the directions on your bottle or can of paint and shake, mix, or thin the paint, as required. It is very important to avoid breathing the paint vapors, as they are extremely harmful. Spray the paint outdoors in well-ventilated areas only. Apply the paint to the body sparingly and in light coats. Be patient! Let the paint dry fully in between coats. This will prevent accidentally smearing wet paint. Take extra care when masks are being removed. After the body is completely painted, remove the peel coat from the outside of the body.

Decals
You are now ready to apply the decals. The decals have been die-cut for your convenience. Test the position of the decals before applying them to the body. Once the decals have been applied, they cannot be removed without damaging them. You can spray the body with window cleaner before applying the decals. This will allow you to re-position them. Once positioned, squeegee the cleaner from under the decal. The decal will adhere when it dries. If you have air bubbles in the decals, puncture the center of each bubble with a sharp pin and push the air out. If you have creases along the outer edges of a decal (especially when applied to curved surfaces), use a hobby knife to cut along the top of the crease and overlap the edges.

Note: Please read this entire section and plan your paint job before beginning.
The following guide is an overview of the procedures for getting your model running. The complete manual for your model can be viewed and downloaded by following the link on the cover of this manual or by scanning the QR code. Please read the entire manual for complete instructions on the proper use and maintenance of your model.

**Read the Safety Precaution**
For your own safety, understand where carelessness and misuse could lead to personal injury and product damage.

**Prepare Your Model**

**Selecting a charger and batteries for your model**
Your model does not include a battery or charger. The speed control in the model is compatible with both LiPo and NiMH batteries. One NiMH or 2s LiPo battery equipped with a Traxxas High-Current Connector is required. Traxxas Power Cell iD batteries are strongly recommended for maximum performance and safer charging. The following chart lists available Power Cell iD batteries for your model:

<table>
<thead>
<tr>
<th>Battery Type</th>
<th>Max. Batteries</th>
<th>Max. Cells</th>
</tr>
</thead>
<tbody>
<tr>
<td>LiPo Batteries with iD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2843X 5800mAh 7.4V 2-Cell 25C LiPo Battery</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>2854X 10000mAh 7.4V 2-Cell 25C LiPo Battery</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>NiMH Batteries with iD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2926X Battery, Power Cell, 3000mAh (NiMH, 7-C hump, 8.4V)</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>2941X Battery, Series 3 Power Cell, 3300mAh (NiMH, 7-C hump, 8.4V)</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>2951X Battery, Series 4 Power Cell, 4200mAh (NiMH, 7-C hump, 8.4V)</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>2961X Battery, Series 5 Power Cell, 5000mAh (NiMH, 7-C hump, 8.4V)</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

**WARNING: FIRE HAZARD!**
Users of Lithium Polymer (LiPo) batteries must read the Warnings and Precautions beginning on page 2. You MUST use a LiPo charger for LiPo batteries or battery damage with the potential for fire will result.

Make certain you choose the correct type of charger for the batteries you select. Traxxas recommends you choose a genuine Traxxas EZ-Peak iD charger for safer charging and maximum battery life and performance.

<table>
<thead>
<tr>
<th>Charger</th>
<th>Part No.</th>
<th>NiMH Compatible</th>
<th>LiPo Compatible</th>
<th>Battery ID</th>
<th>Max. Cells</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZ-Peak Plus, 4 amps</td>
<td>2970</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>3s</td>
</tr>
<tr>
<td>EZ-Peak Live, 12 amps</td>
<td>2971</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>4s</td>
</tr>
<tr>
<td>EZ-Peak Dual, 8 amps</td>
<td>2972</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>3s</td>
</tr>
<tr>
<td>EZ-Peak Live Dual, 26+ amps</td>
<td>2973</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>4s</td>
</tr>
</tbody>
</table>

**Install the battery pack in the model**
Place the battery in the tray. Insert the hold-down into the chassis as shown. Secure by placing the clip into the post.

**Compatible batteries:**
- 6-7 cell NiMH
- 2-cell LiPo

**ATTENTION: USERS OF LiPo BATTERIES**
Activate Low-Voltage Detection when using LiPo batteries. Refer to the EZ-Set Tips card attached to your model, or see the Electronic Speed Control Adjustments section of this guide.

**Turning on Your Model**

**Turn on the transmitter**
Always turn the transmitter on first, before turning on the model. The transmitter’s LED will glow.

**Plug the battery into the speed control**
Align the + and – markings. Make certain the battery plug is completely inserted.

**Turn on the model**
Press and release the EZ-Set button on the speed control. The speed control’s LED will glow.

**Before Operating Your Model**

**Check servo operation**
Confirm the model’s wheels turn right and left when the transmitter steering wheel is turned right and left. The front wheels should be pointing straight ahead. If they are turned slightly, slowly adjust the steering trim control on the transmitter until they are pointing straight ahead.

**Range test the radio system**
With a friend’s help, check servo operation at a distance and that there is no interference before running your model.

**Operating Your Model**

**Install batteries in the transmitter**
The transmitter requires 4 AA alkaline or rechargeable batteries.

**Neural**
**Brake/Reverse**
**Forward**

Note: After stopping the model, return the transmitter’s trigger to neutral and push up again to activate reverse throttle.
QUICK START GUIDE

Selecting a Throttle Mode: SPORT, RACE, or TRAINING

1. Connect a fully charged battery to the model.
2. Turn on the transmitter (with the throttle at neutral).
3. Press and hold the EZ-Set button (A). The LED will first turn green and then red. Release the EZ-Set button.
4. When the LED blinks RED ONCE, pull the throttle trigger to the full throttle position and hold it there (B).
5. When the LED blinks RED TWICE, push the throttle trigger to the full reverse and hold it there (C).
6. When the LED blinks GREEN ONCE, programming is complete. The LED will then shine green or red (depending on Low-Voltage Detection setting).

Running in Wet Conditions

Your Traxxas model is designed with water-resistant features to protect the electronics in the model (receiver, servos, electronic speed control). Though highly water resistant, the model should not be treated as though it is submersible or totally, 100% waterproof. Water resistance applies only to the installed electronic components. Running in wet conditions requires additional care and maintenance to prevent corrosion and maintain proper function. Download the complete manual for full precautions and maintenance requirements. Read and understand all precautions before operating your model in wet conditions. The complete manual for your model can be viewed and downloaded by following the link on the cover of this manual or by scanning the QR code. Please read this entire manual for complete instructions on the proper use and maintenance of your model.

After You Run Your Model

Turn the model off

Press and release the EZ-Set button on the speed control. The speed control’s LED will go out.

Unplug the battery and remove it from the model

Do not store the model with the battery installed.

Turn the transmitter off

Always turn the transmitter off last, after the model has been turned off.

Calibrating the Speed Control

The speed control is calibrated at the factory. If the LED on the speed control is flashing green, then follow these steps to recalibrate it.
1. Connect a fully charged battery to the model.
2. Turn on the transmitter (with the throttle at neutral).
3. Press and hold the EZ-Set button (A). The LED will first turn green and then red. Release the EZ-Set button.
4. When the LED blinks RED ONCE, pull the throttle trigger to the full throttle position and hold it there (B).
5. When the LED blinks RED TWICE, push the throttle trigger to the full reverse and hold it there (C).
6. When the LED blinks GREEN ONCE, programming is complete. The LED will then shine green or red (depending on Low-Voltage Detection setting).

Electronic Speed Control Adjustments

ATTENTION: IF USING A LiPo BATTERY

To prevent over-discharging of LiPo batteries, Low-Voltage Detection must be switched on. To check the status of your model, turn it on. If the speed control’s LED is green, Low-Voltage Detection is already activated. If the LED is red, Low-Voltage Detection is not active. Follow these steps to turn on Low-Voltage Detection:
1. Turn the model on. Make sure the LED on the speed control is on and red.
2. Press and hold the EZ-Set button for ten seconds. The LED will turn off and then light green, and the motor will beep twice. Release the button.
3. Low-Voltage Detection is now ACTIVATED.

LiPo batteries are intended only for the most advanced users that are educated on the risks associated with LiPo battery use.

Warning: FIRE HAZARD!

Do not use LiPo batteries in this vehicle with Low-Voltage Detection disabled.

To disable Low-Voltage Detection when using NiMH batteries, repeat the steps above. The motor will beep three times and the LED will glow red.

Selecting a Throttle Mode: SPORT, RACE, or TRAINING

1. Connect a fully charged battery to the model and turn on your transmitter.
2. With the model off, press and hold the EZ-Set button until the LED turns solid green, then solid red, and then begins blinking red. It will blink once, then twice, then three times, then repeat.
3. Release the EZ-Set button after the number of blinks for the mode you wish to select. Note: If you missed the mode you wanted, keep the EZ-Set button pressed down and the blink cycle will repeat.
4. The LED will blink and then turn solid green (Low-Voltage Detection ACTIVE) or red (Low-Voltage Detection DISABLED). The model is now ready to drive.

Transmitter Adjustments

Steering Trim

Slowly turn the steering trim knob to precisely set the steering neutral point. To adjust, drive the vehicle forward slowly while “steering” with the trim knob until the vehicle travels in a straight line with no steering input.

WARNING: FIRE HAZARD!

Do not use LiPo batteries in this vehicle with Low-Voltage Detection disabled.

To disable Low-Voltage Detection when using NiMH batteries, repeat the steps above. The motor will beep three times and the LED will glow red.

Selecting a Throttle Mode: SPORT, RACE, or TRAINING

1. Connect a fully charged battery to the model and turn on your transmitter.
2. With the model off, press and hold the EZ-Set button until the LED turns solid green, then solid red, and then begins blinking red. It will blink once, then twice, then three times, then repeat.
3. Release the EZ-Set button after the number of blinks for the mode you wish to select. Note: If you missed the mode you wanted, keep the EZ-Set button pressed down and the blink cycle will repeat.
4. The LED will blink and then turn solid green (Low-Voltage Detection ACTIVE) or red (Low-Voltage Detection DISABLED). The model is now ready to drive.

Electronic Speed Control Adjustments

ATTENTION: IF USING A LiPo BATTERY

To prevent over-discharging of LiPo batteries, Low-Voltage Detection must be switched on. To check the status of your model, turn it on. If the speed control’s LED is green, Low-Voltage Detection is already activated. If the LED is red, Low-Voltage Detection is not active. Follow these steps to turn on Low-Voltage Detection:
1. Turn the model on. Make sure the LED on the speed control is on and red.
2. Press and hold the EZ-Set button for ten seconds. The LED will turn off and then light green, and the motor will beep twice. Release the button.
3. Low-Voltage Detection is now ACTIVATED.

LiPo batteries are intended only for the most advanced users that are educated on the risks associated with LiPo battery use.

Warning: FIRE HAZARD!

Do not use LiPo batteries in this vehicle with Low-Voltage Detection disabled.

To disable Low-Voltage Detection when using NiMH batteries, repeat the steps above. The motor will beep three times and the LED will glow red.

Selecting a Throttle Mode: SPORT, RACE, or TRAINING

1. Connect a fully charged battery to the model and turn on your transmitter.
2. With the model off, press and hold the EZ-Set button until the LED turns solid green, then solid red, and then begins blinking red. It will blink once, then twice, then three times, then repeat.
3. Release the EZ-Set button after the number of blinks for the mode you wish to select. Note: If you missed the mode you wanted, keep the EZ-Set button pressed down and the blink cycle will repeat.
4. The LED will blink and then turn solid green (Low-Voltage Detection ACTIVE) or red (Low-Voltage Detection DISABLED). The model is now ready to drive.

Transmission Adjustments

Steering Trim

Slowly turn the steering trim knob to precisely set the steering neutral point. To adjust, drive the vehicle forward slowly while “steering” with the trim knob until the vehicle travels in a straight line with no steering input.

WARNING: FIRE HAZARD!

Do not use LiPo batteries in this vehicle with Low-Voltage Detection disabled.

To disable Low-Voltage Detection when using NiMH batteries, repeat the steps above. The motor will beep three times and the LED will glow red.

Selecting a Throttle Mode: SPORT, RACE, or TRAINING

1. Connect a fully charged battery to the model and turn on your transmitter.
2. With the model off, press and hold the EZ-Set button until the LED turns solid green, then solid red, and then begins blinking red. It will blink once, then twice, then three times, then repeat.
3. Release the EZ-Set button after the number of blinks for the mode you wish to select. Note: If you missed the mode you wanted, keep the EZ-Set button pressed down and the blink cycle will repeat.
4. The LED will blink and then turn solid green (Low-Voltage Detection ACTIVE) or red (Low-Voltage Detection DISABLED). The model is now ready to drive.