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:**

- Radio system with transmitter, receiver, and servo
- Power system with motor and speed control
- 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.
SELECTING A CHARGER AND BATTERIES FOR YOUR MODEL

Your model does not include a battery or charger. Traxxas Power Cell iD batteries are strongly recommended for maximum performance and safer charging. The following chart lists available Power Cell batteries for your model:

<table>
<thead>
<tr>
<th>LiPo Batteries with iD</th>
<th>NiMH Batteries with iD</th>
</tr>
</thead>
<tbody>
<tr>
<td>2843X 5800mAh 7.4V 2-Cell 25C LiPo Battery</td>
<td>2926X Battery, Power Cell, 3000mAh (NiMH, 7-C hump, 8.4V)</td>
</tr>
<tr>
<td>2854X 10000mAh 7.4V 2-Cell 25C LiPo Battery</td>
<td>2941X Battery, Series 3 Power Cell, 3300mAh (NiMH, 7-C hump, 8.4V)</td>
</tr>
</tbody>
</table>

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.

**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.

<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>

SELECTING A POWER SYSTEM FOR YOUR MODEL

Your model does not include a motor or electronic speed control. Traxxas power systems are recommended for best performance. The following chart lists available choices for your model:

**Electronic Speed Controls**
- 3018R XL-5 Electronic Speed Control, waterproof (land version, low-voltage detection, fwd/rev/brake)
- 3355R Velineon VXL-3s Electronic Speed Control, waterproof (brushless) (fwd/rev/brake)

**Motors**
- 3785 Motor, Titan 12T (12-Turn, 550 size)
- 3351R Motor, Velineon 3500, brushless (assembled with 12-gauge wire and gold-plated bullet connectors)

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.

INTRODUCTION

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

**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**

**DIFFERENTIAL BAG**
- Differential Carrier
- 30K Differential Oil
- Differential Output Gear (2)
- 6x9.5x0.5 PTFE Washer
- X-Ring (2)
- Differential Gasket
- Spider Gear (2)
- Spider Gear Shaft
- Ring Gear
- 2.5x8mm CS (4)
- 8x16x5mm BB
- 10x15x4mm BB

**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)

### B1. Assemble front and rear shocks

1. **Unscrew cap**
2. **Fill with shock oil**
   - 3mm (1/8”)
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.**

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

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

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

**Rear Shocks Assembled**

---

**Accessory**

- **Aluminum Accessory**
  - Aluminum Shock Caps
    - 3767A - Blue
    - 3767G - Green
    - 3767X - Red

- **Option Part**
  - Titanium Nitride
  - Shock Shafts
    - 1664T Long
    - 2656T XX-long

---

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

**C1. Install differential housing onto front bulkhead**

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

**C2. Install 12T pinion gear into differential housing**

- 12T Pinion Gear
- 6x12x4 BB

**C3. Install differential assembly**

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

**Differential Bag**

- Black Lithium Grease

**Front Bulkhead Bag**

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

**Accessory**

- Aluminum Accessory
- 6839X Shock Tower

Apply drop of grease to the differential assembly.
C. FRONT MODULE ASSEMBLY

C4. Install front suspension arms

Front Suspension Arms (L&R)
Front Tie Bar
Front Suspension Pins (2)

C5. Install lower skidplate

Front Lower Skidplate
4x10mm CCS (3)
C. FRONT MODULE ASSEMBLY

### FRONT BULKHEAD BAG

**C6. Assemble front hubs**

- **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**

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

---

**ACCESSORY**

- **Aluminum Accessory**
  - 1654X Wheel Hubs

- **Option Part**
  - 6851R Constant-Velocity Driveshafts

---

**5x8x0.5 PTFE Washer x2**

---

**SNAP**
C. FRONT MODULE ASSEMBLY

FRONT BULKHEAD BAG

C8. Install front driveshaft and hub assemblies

Left Front Assembly

3x28mm Hinge Pin 3x11mm Screw Pin

Right Front Assembly

3x28mm Hinge Pin 3x11mm Screw Pin

FRONT BULKHEAD BAG

C9. Install front camber links

Camber link inner mounting location

Camber link outer mounting location

6.25x8.5mm Bushing (2)

3x11mm Screw Pin

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)

---

[Diagram of front bumper and shock installation]

**Front Bumper**

- 4x14mm BCS
- 3x15mm BCS (2)

**Upper shock mounting location**

**Lower shock mounting location**

- 3x18mm BCS
- 3x12mm CSS

(Location indicator on inside face)

---
C. FRONT MODULE ASSEMBLY

**STEERING BAG**

- Bellcrank Sleeve
- Bellcrank Arm
- 3x8mm CS
- 3x6x.05mm MW
- 5x8x2.5mm PB (2)
- 3x10mm CSS (2)

**C12. Assemble bellcrank onto chassis**

- 3x8mm CS*
- 5x8x2.5mm PB
- Bellcrank Sleeve
- Bellcrank Arm
- 5x8x2.5mm PB

**C13. Install steering draglink onto bellcrank**

- 3x6x.05mm MW
- Steering draglink orientation

**C14. Install toe links**

- 3x15mm BCS

*Note: Do not overtighten

**ACCESSORY**

Option Part
3643 Turnbuckle Camber Links

**Completed front module assembly**

Note: Install from underside

Check your assembly carefully.
D. REAR MODULE ASSEMBLY

**REAR BULKHEAD BAG**

- Rear Differential Housing
  - Rear Bulkhead
  - 3x10mm CCS (2)
  - 12T Pinion Gear
  - 12x18x4mm BB

**DIFFERENTIAL BAG**

- Black Lithium Grease

**ACCESSORY**

- Aluminum Accessory
  - 6838X Shock Tower

---

**D1. Install differential housing onto rear bulkhead**

- Apply drop of grease

**D2. Install 12T pinion gear into differential housing**

- 12x18x4mm BB

**D3. Install differential into differential housing**

**D4. Install rear shock tower and differential cover**

- 3x12mm BCS (2)
- 3x15mm BCS (2)
D5. Install suspension arms onto rear bulkhead assembly

D6. Assemble and install rear bumper

- Rear Suspension Arms (L&R)
- Rear Suspension Pins (2)

- Rear Skid Plate
- Rear Tie Bar
- 3x12mm CCS (2)
- 3x15mm BCS (4)
- 3x20mm BCS (3)

- Rear Bumper (assembled)
- Rear Tie Bar
- 3x12mm CCS
- 3x20mm BCS

- Upper Wheelie Bar Mount
- Lower Wheelie Bar Mount
- Rear Skid Plate
- 3x15mm BCS
- 3x20mm BCS
D. REAR MODULE ASSEMBLY

REAR BULKHEAD BAG
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

D7. Assemble rear driveshafts and hub assemblies

Inner Driveshaft
Stub Axle Carrier
5x11x4mm BB
5x11x4mm BB

Outer Driveshaft

SNAP
5x8x0.5 PTFE Washer
5x8x0.5 PTFE Washer
2x9.8mm Pin

FRONT BULKHEAD BAG
3x11mm Screw Pin (2)
3x28mm Hinge Pin (2)

D8. Install rear driveshaft and hub assemblies

3x11mm Screw Pin
3x11mm Screw Pin
3x28mm Hinge Pin
3x28mm Hinge Pin
Hinge pin mounting location
**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

**D10. Install assembled rear shocks**
- 3x12mm CSS
- 3x6x0.5mm MW

**Completed rear module assembly**
- Check your assembly carefully.
E. CHASSIS ASSEMBLY

CHASSIS BAG

Motor Mount
Telemetry Magnet
Holder Cover
3x6mm CCS
M3x0.5 NL
3x8mm BCS
3x10mm BCS (2)
3x8mm BCS

E1. Assemble motor mount and install into chassis

Motor Mount
Telemetry Magnet Holder Cover
M3x0.5 NL
3x6mm CCS
3x6mm FCS
3x8mm BCS
3x8mm FCS*

*Note: Do not overtighten

3x8mm BCS installs from underside of the chassis

CHASSIS BAG

3x6mm FCS (3)

Servo (sold separately)

E2. Install servo into chassis

3x6mm FCS

Servo (sold separately)

Note servo orientation. Wires should face the front.

ACCESSORY

Option Part
2056
High-Torque Servo
2075 Digital
High-Torque Servo
2275R Digital
High-Speed Servo
2250 Coreless Servo
2255 Brushless Servo

Steering servo sold separately
### CHASSIS BAG
- 3x15mm BCS
- 3x15mm CCS
- 3x6mm BCS
- Battery Post
- Center Driveshaft Cover
- Battery Hold Down Retainer
- Battery Hold Down
- Angled Body Clip

#### E3. Install battery hold down

- 3x15mm BCS
- 3x15mm CCS
- Center Driveshaft Cover
- Battery Hold Down Retainer

Use included 4-way wrench for battery post installation

#### E4. Install electronic speed control into chassis

- 3x15mm BCS (2)
- Electronic Speed Control (sold separately)

#### ACCESSORY

**Option Part**
- 3018R XL-5
  - Electronic Speed Control

**Option Part**
- 3355R VXL-3s
  - Electronic Speed Control

Electronic speed control sold separately
CHASSIS BAG
Lower Receiver Box
2.5x8mm CS (2)
Receiver Foam Tape

E5. Install lower receiver box onto chassis

E6. Install receiver into lower receiver box

Receiver (sold separately)
Receiver box dimensions: 54.5mm x 29mm x 19mm

ACCESSORY
Option Part
6519 TQi 2.4GHz 3Ch Micro Receiver

Option Part
6533 TQi 2.4GHz 5Ch Micro Receiver

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 Foam
Receiver Box Cover

Traxxas Radio Systems:
CH1 - Steering Servo
CH2 - Electronic Speed Control

Receiver sold separately
E. CHASSIS ASSEMBLY

CHASSIS BAG
- Antenna Tube
- Antenna Cap
- 3x4mm GS
- 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

E9. Waterproof and seal the receiver box

1. Antenna Cap
2. Upper Receiver Box Foam
3. Apply small bead of grease
4. O-Ring Seal

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.
**F. SUSPENSION & DRIVELINE INSTALLATION**

**CENTER DRIVELINE BAG**

1. **F1. Build slipper clutch assembly**
   - Slipper Clutch Spring
   - 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. **Slipper friction material install**
   - Slipper Hub Adapter
   - M5x0.8 NL
   - 10x15x4mm BB
   - 54T Spur Gear
   - Slipper Pressure Plate
   - Slipper Steel Disc
   - Slipper Friction Material

3. **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. **F2. Center the steering servo**
   - Steering Servo Horn
   - 3x6mm BCS

2. **Transmitter, ESC, and Battery sold separately**
   - Turn transmitter on (see transmitter instructions)
   - Plug battery into ESC (see ESC instructions)

3. **Set Steering Trim to Zero (see transmitter instructions)**

4. **Unplug battery and turn transmitter off**

5. **F3. Install servo horn on steering servo**
   - Servo sold separately
   - 3x6mm BCS
   - Steering Servo Horn

**Note orientation - Servo horn will face straight ahead**
**F. SUSPENSION & DRIVELINE INSTALLATION**

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**CENTER DRIVELINE BAG**

- Center Driveshaft
  - 3x11 Screw Pin

**ACCESSORY**

- Aluminum Accessory
  - 6755 Aluminum Center Driveshaft

**CHASSIS BAG**

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

**STEERING BAG**

- Steering Link
  - 37mm
  - 10.7mm

**F4. Install center driveshaft**

- Thread driveshaft into chassis and attach front assembly

**F5. Secure front assembly to chassis**

- 4x12mm BCS
- 4x10mm CCS
- 3x15mm BCS

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**Note orientation**

- Steering Link
- 3x15mm BCS
**F. SUSPENSION & DRIVELINE INSTALLATION**

**F6. Install rear assembly to chassis**

1. **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.

2. **Install rear module onto chassis**
   - Note: Make sure the rear bulkhead is mated to the chassis properly as shown before tightening screws.

**CHASSIS BAG**

4x12mm BCS (4)
**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

**ACCESSORY**

- **Option Part**
  - 3T85 Titan 12T Motor
- **Option Part**
  - 3351R Velineon Motor
- **Aluminum Accessory**
  - 6890X 6061-T6 Aluminum Motor Plate

**CHASSIS BAG**

- Gear Cover
- 3x6mm BCS

**ACCESSORY**

- **Option Part**
  - 6877A Clear Gear Cover

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**F7. Install motor plate to motor**

- **Motor Plate**
- Titan 12T Motor
- 3x8mm CCS

**F8. Install 9T pinion onto motor**

- 9-Tooth Pinion Gear
- 3x4 GS
- 3mm

**F9. Install motor into motor chassis**

- 3x15mm CS

**F10. Set gear mesh and install gear cover**

- Loosen the motor screw. Cut a narrow strip of notebook paper and run it into the gear mesh.
- Slide the motor and pinion gear into the spur gear. Retighten the motor screws, and then remove the paper.

**Motor sold separately**
**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

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

1. Install front and rear body mounts
2. Glue tires and install on front and rear axles

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**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

ELECTRONICS SOLD SEPARATELY
Painting the Body

Note: Please read this entire section and plan your paint job before beginning.

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. Use the supplied masks to mask the windows. 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.