

RIVAL MONSTER TRUCK

#20510

READY-TO-RUN

BRUSHLESS POWERED ELECTRIC MONSTER TRUCK



1:8 Scale Electric Monster Truck Manual & Catalog

3/13

QUALIFIER

S E R I E S

TEAM ASSOCIATED

:: Introduction

Thank you for purchasing this Team Associated Qualifier Series product. This manual contains instructions and tips for maintaining your new RIVAL MT RTR. Please take a moment to read through it and familiarize yourself with these steps as they will help you to understand each component's function and show you some tips for getting the most out of your RIVAL MT RTR. We are continually changing and improving our designs; therefore, actual parts may appear slightly different than the illustrations.

As part of the ongoing additions to the already successful Qualifier Series, Team Associated is proud to release the RIVAL-MT RTR; a 1:8 scale 4WD electric off-road RTR monster truck.

For more information, scan the QR code to the right for videos and tutorials on the RIVAL MT RTR!

http://www.teamassociated.com/Rival_Monster_Truck/

**:: RIVAL MT Platform Features**

- Ultra rigid aluminum chassis
- 3 gear gearbox with center differential for superior traction and performance with 6.06:1 internal ratio
- Includes 2 - 8.4V (7 cell) NiMH batteries with Deans™ Ultra plugs®
- XP SC1300-DB ESC with Deans™ Ultra plug®
 - Works with 2-8.4V NiMH or NiCd or 2-7.4V LiPo batteries.
 - Dual battery plugs for independent battery voltage sensing and optimum performance
- 8 oil filled shock absorbers
- Front and rear impact absorbing bumpers
- 4mm steel wire roll bar to protect body under impact
- Electronics tray with water resistant receiver box can hold 6-7 cell NiCd or NiMh batteries as well as ROAR-approved 2S LiPo batteries, and is easily removed for cleaning or maintenance
- Reedy 1515-SL 2000kV brushless motor
- XP3G 2.4Ghz transmitter and micro receiver
- Alloy steel turnbuckles

:: Additional Items Needed

Your RIVAL MT RTR requires the following items to complete your kit:

- Transmitter batteries (x6 AA's) (#302, 303 AA batteries recommended)
- NiMH Battery charger (peak detection charger recommended)
(AE #610 NiMh/NiCD)

:: Other Helpful Items

- Silicone Shock Fluid / Differential Fluid (Refer to catalog for complete listings)
- Body Scissors (AE Part # 1737)
- FT Hex Wrenches (AE Part # 1541, 1655)
- FT Nut Drivers (AE Part #1561, 1663-1668)
- FT Turnbuckle Wrench (#25384)
- Green Slime shock lube (AE Part # 1105)
- FT Threadlock (#1596)
- Reamer / Hole Punch
- Calipers or a Precision Ruler
- Needle Nose Pliers
- Soldering Iron / Wire cutters / Hobby knife

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:: Notes



This symbol indicates a special note or instruction in the manual.



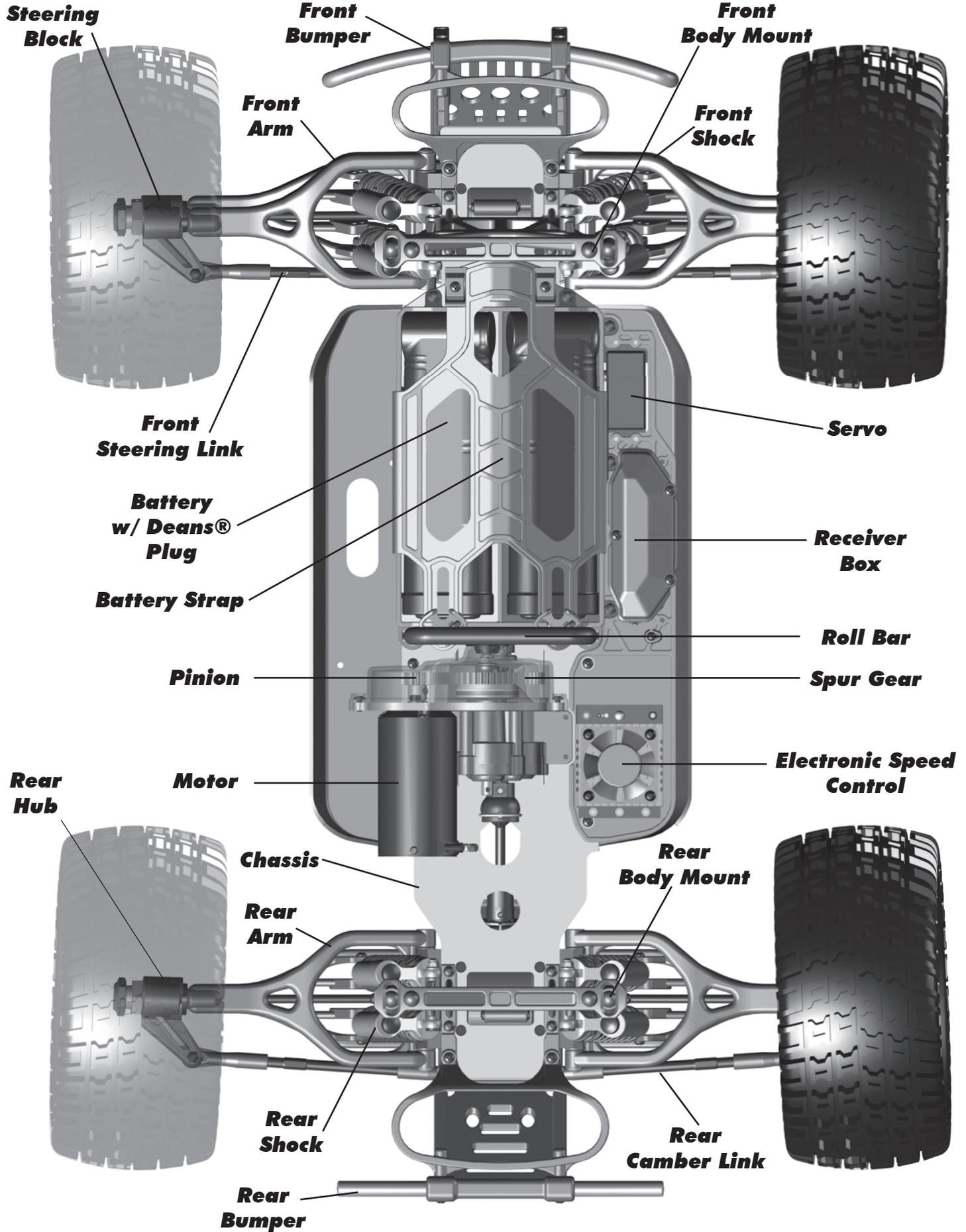
There is a 1:1 hardware foldout page in the back of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.

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:: Blueprint of the RIVAL MT



:: Quick Start Guide

Battery Charging Steps and Safety:

NiMH Wall Charger: (Part #29154 - Wall Charger AC 120V 350mAh)

NiMH Quick Charger: (Part #610 - Reedy 447-S AC/DC 4-7 Cell Peak Prediction NiMH/NiCd Charger)

Remove the battery from the vehicle before charging. Be sure to select the correct charging mode for the type of battery you are charging.

NEVER leave the battery unattended while charging!

NiMH: NiMH batteries (nickel-metal hydride) are high current rechargeable batteries. If you use a peak detection charger, make sure it is designed for NiMH batteries!



Wall Charger

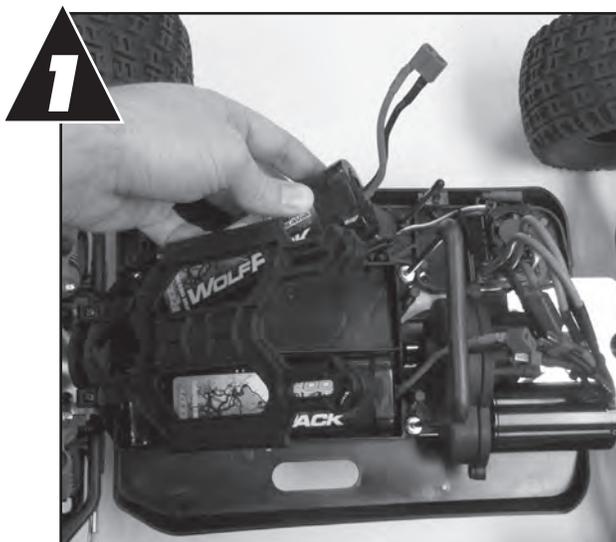


Peak Detection Quick Charger

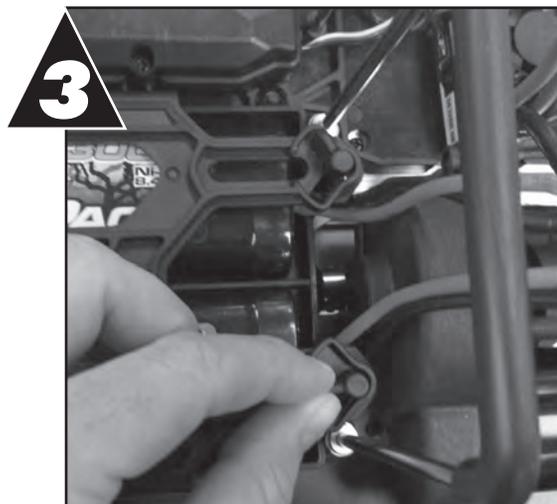
:: Quick Start Guide - (cont.)

Battery Installation:

1. Install the batteries with the battery wires directed towards the rear of the vehicle.
2. Insert the battery strap onto the battery post screws.
3. Secure battery strap with thumb knobs.



:: Quick Start Guide - (cont.)



:: Quick Start Guide - (cont.)

Change the speed control to NiMH or LiPo battery modes.

Battery Management System - A choice of either LiPo mode or NiMH mode adjusts the low voltage cutoff point. This is critically important when using LiPo batteries that should not, for performance and safety reasons, be discharged below 3.0V per cell. In LiPo mode, the ESC detects whether you are using 2 or 3 cells and adjusts the cutoff accordingly.

The ESC can be toggled between LiPo mode and NiMH mode by following the steps outlined below.

Step #	Procedure	Signal From ESC	
		Audio	LED
Battery Management System			
1	Power ON Transmitter		
2	Trigger position to maximum brake (hold)		
3	Power On ESC	bi-bi	2 green flash/ green static (LiPo Mode) or red static (NiMH Mode)
4	Throttle position to neutral		
5	Power OFF ESC, then transmitter		
6	Power ON transmitter, then ESC	melody bibi-bibi	3 green flash, 2 red flash, green static or red static



Pull for Throttle ← **Neutral**
Throttle set to Neutral when turning on the radio !

IMPORTANT! When the transmitter and ESC are turned on, the color of the ESC LED at neutral indicates which mode the ESC is in. When the LED is green, the ESC is in LiPo mode. When the LED is red, the ESC is in NiMH mode.

Vehicle Operation - To operate the vehicle, pull back on the throttle trigger to move forward, push forward on the throttle trigger to engage brakes. To engage reverse, push forward on the throttle trigger to maximum brakes. Hold the trigger in this position for at least 0.5 seconds before returning the throttle trigger to neutral. Now push the throttle trigger forward to reverse the vehicle.

:: Quick Start Guide - (cont.)

Battery Notes and Tip:

Plug the batteries in as shown. Unplug batteries when not in use! There are two types of batteries you can use with this vehicle. NiMH (nickel-metal hydride) and LiPo (lithium polymer).

LiPo: LiPo batteries (lithium polymer) are high current rechargeable batteries. LiPo batteries offer extended run time and peak performance over NiMH batteries. They require a peak detection charger designed specifically for LiPo batteries.

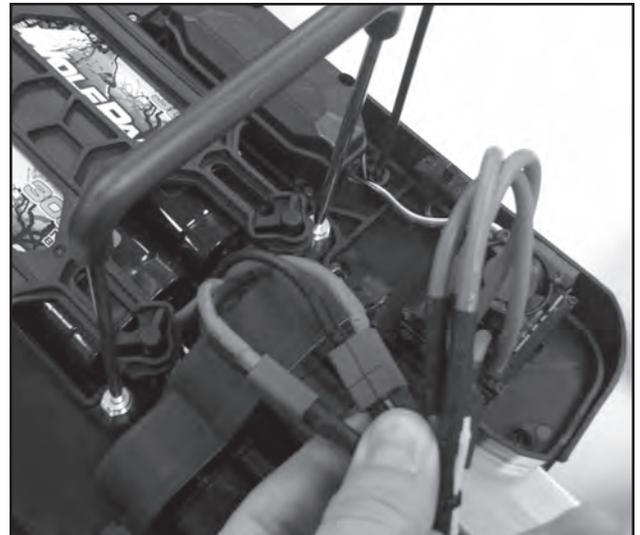
LiPo/LiFe Charger: (Part # 604 - Reedy 526-S AC/DC 2S-6S Cell LiPo/LiFe Balance Charger)

These batteries require special care and handling.

LiPo batteries are recommended for advanced users only!

ALWAYS charge a LiPo battery in LiPo mode.

CAUTION! If using a LiPo battery, you need to change the speed control settings to LiPo mode (see instructions at top of page or for complete speed control options and programming page 17 for detailed instructions).



:: Quick Start Guide - (cont.)

Radio System Tuning and Controls:

RULE: Transmitter on First/Vehicle on Second.
When done driving: Vehicle off First/ Transmitter off Last!

- 1) Slide the battery cover in the direction shown to remove cover.
- 2) Install eight (8) alkaline or rechargeable AA size batteries into the battery holder.
- 3) Slide the battery cover back into place making sure it is completely closed and secure.
- 4) Turn the power ON. If the power indicator LED fails to light, check the batteries for insufficient contact or incorrect polarity.

While pressing this part



Battery cell (x6)



On/Off Switch



:: Quick Start Guide - (cont.)

Radio System Tuning and Controls:

DO NOT hold the trigger when turning on the radio.

If using optional battery for transmitter, be sure to plug it in correctly. Plugging in a battery backwards can cause damage.

Refer to Radio owners manual for more in-depth instructions on radio operation and functions.

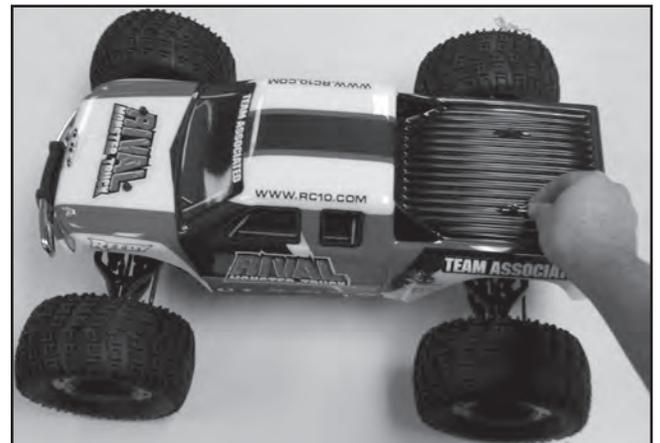
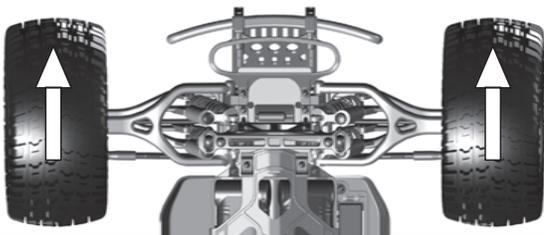


Throttle set to Neutral when turning on the radio !

:: Quick Start Guide - (cont.)



Adjust steering trim so front wheels point straight.



**Install body and body clips.
Ready to go!**

:: Wiring Diagrams

Motor and Receiver Wiring:

1. If motor runs in reverse when you apply throttle, unplug any two of the motor wires and switch them.
2. Your Receiver has multiple channel ports for plugs.

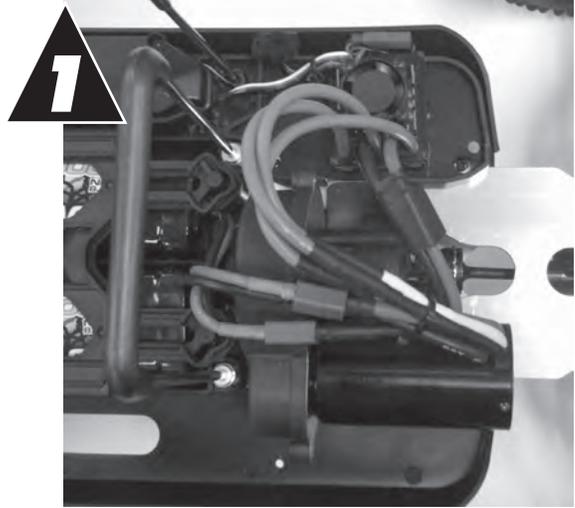
Channel 1 - you should always plug your steering servo into this channel port.

Channel 2 - you should always plug your speed control (ESC) into this channel port.

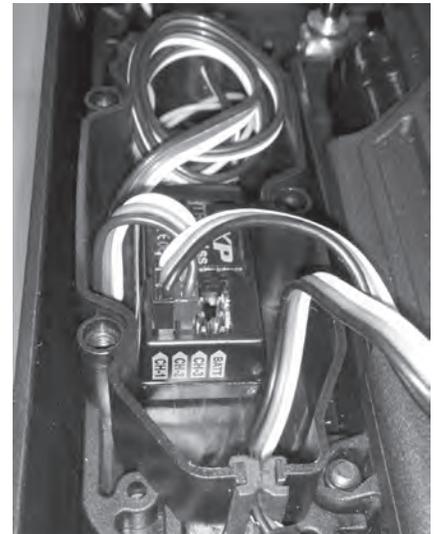
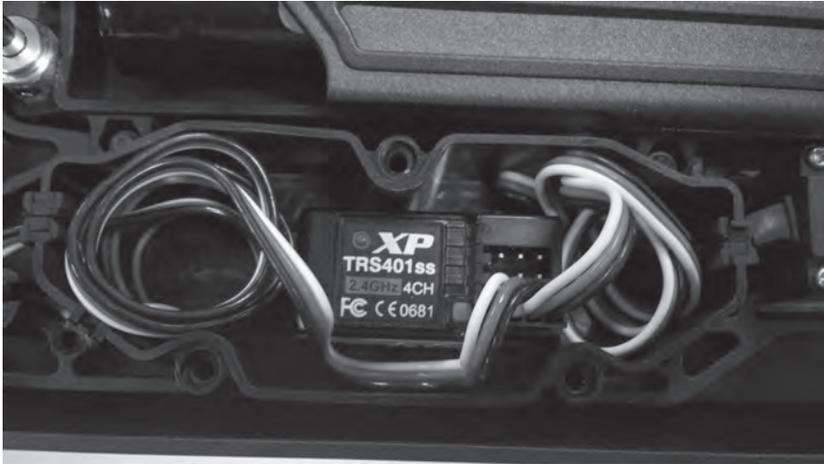
Channel 3 - Used for optional equipment such as fans, lights, ect...

Batt - Used for optional receiver battery pack. Not used in this model.

Negative black wires on steering servo and speed control plugs should face the outside edge of receiver where channel markers are located.



:: Wiring Diagrams - (cont.)



:: Camber / Toe

Front Camber Angle:

A good starting camber setting is -2 degrees (where the top of the tires lean inwards). Positive camber, where the top of the tire is leaning out, is typically not recommended.

Front Toe-In:

Zero degree toe-in (tires pointing straight forward) is a good starting setting. You can increase steering into corners by adding 1-2 degrees of toe-out (front of tires point slightly outward). Toe - in is not a typical tuning adjustment used.

Rear Camber:

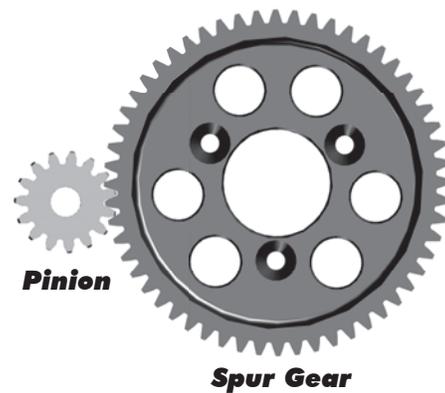
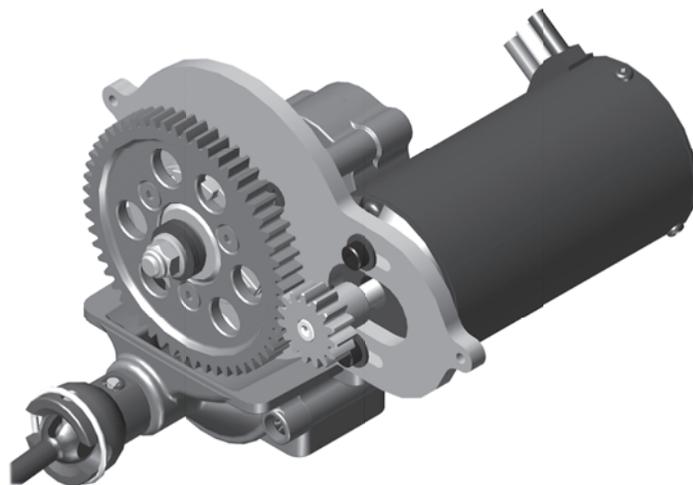
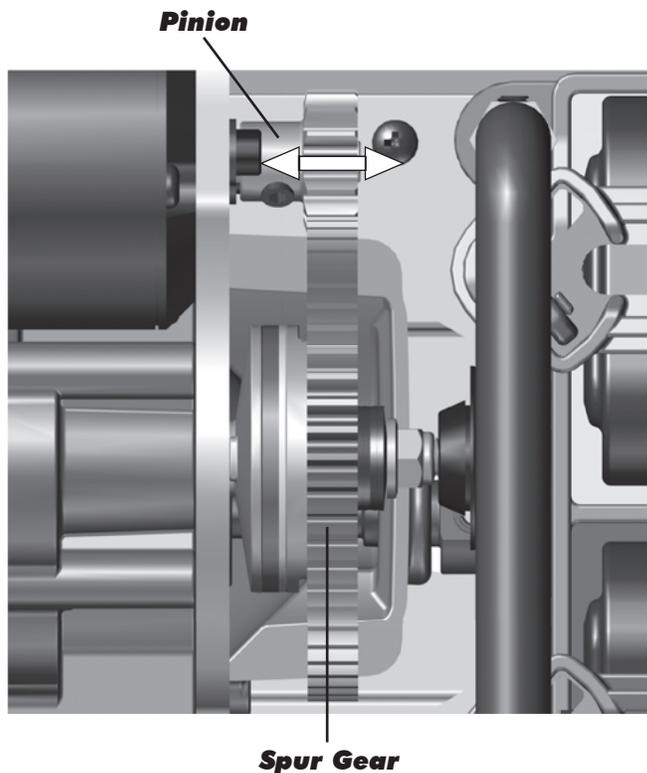
A good starting camber setting is -2 degrees. Use # 1719 camber gauge (not included) to set your camber. Adding a small amount of positive camber, where the top of the tire is leaning out, will tend to improve straight-line acceleration on loose tracks.

:: Gear Mesh

Gear Mesh:

To correctly set your gear mesh, follow the steps below:

1. Loosen the set screw on the motor's pinion gear. Slide the pinion on the motor shaft until the gear face of the pinion is entirely aligned with the gear face of the spur gear (see diagram). Tighten the set screw while ensuring it is aligned with the flat face on the motor shaft.

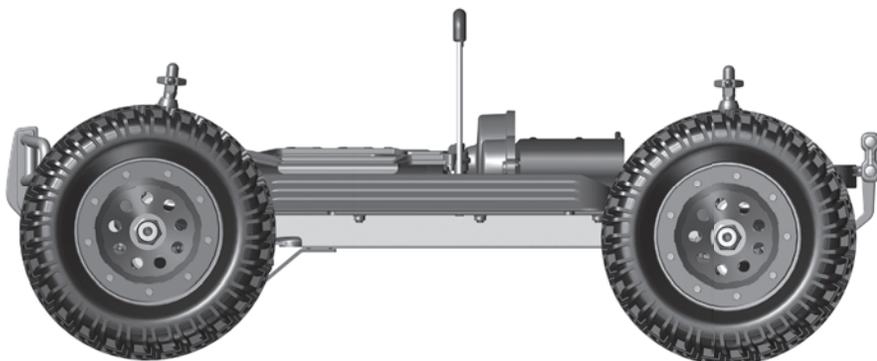
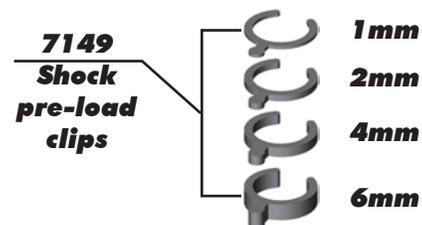


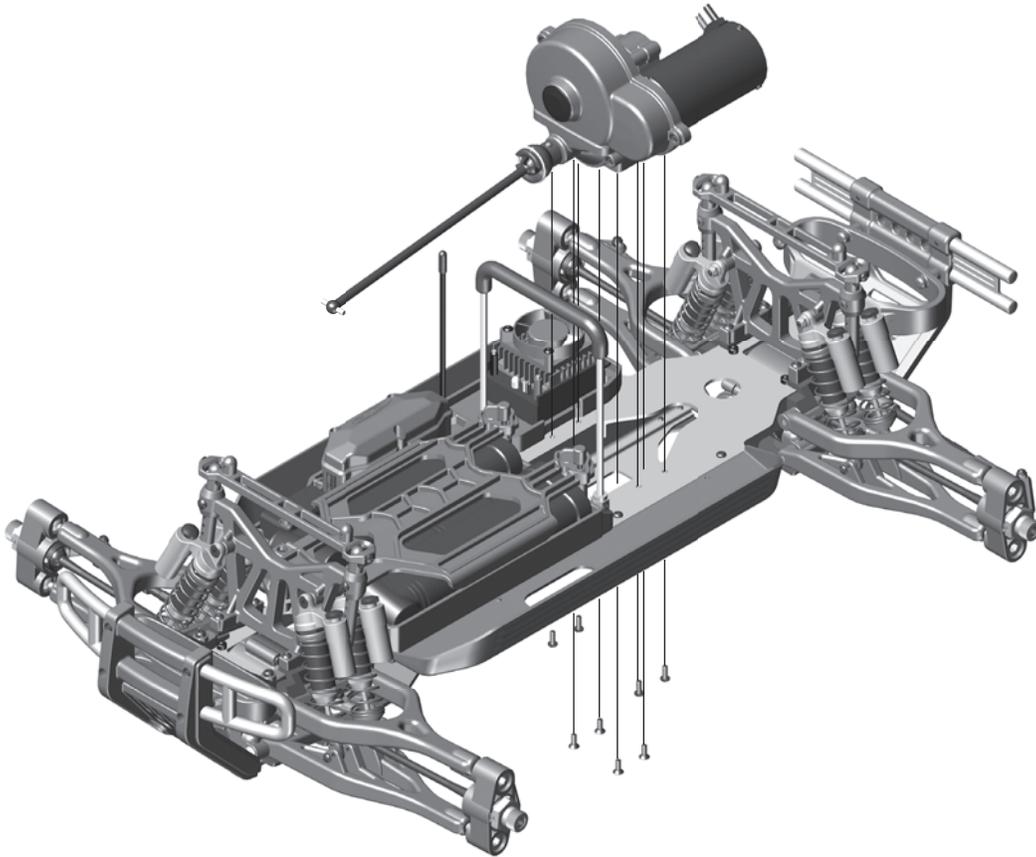
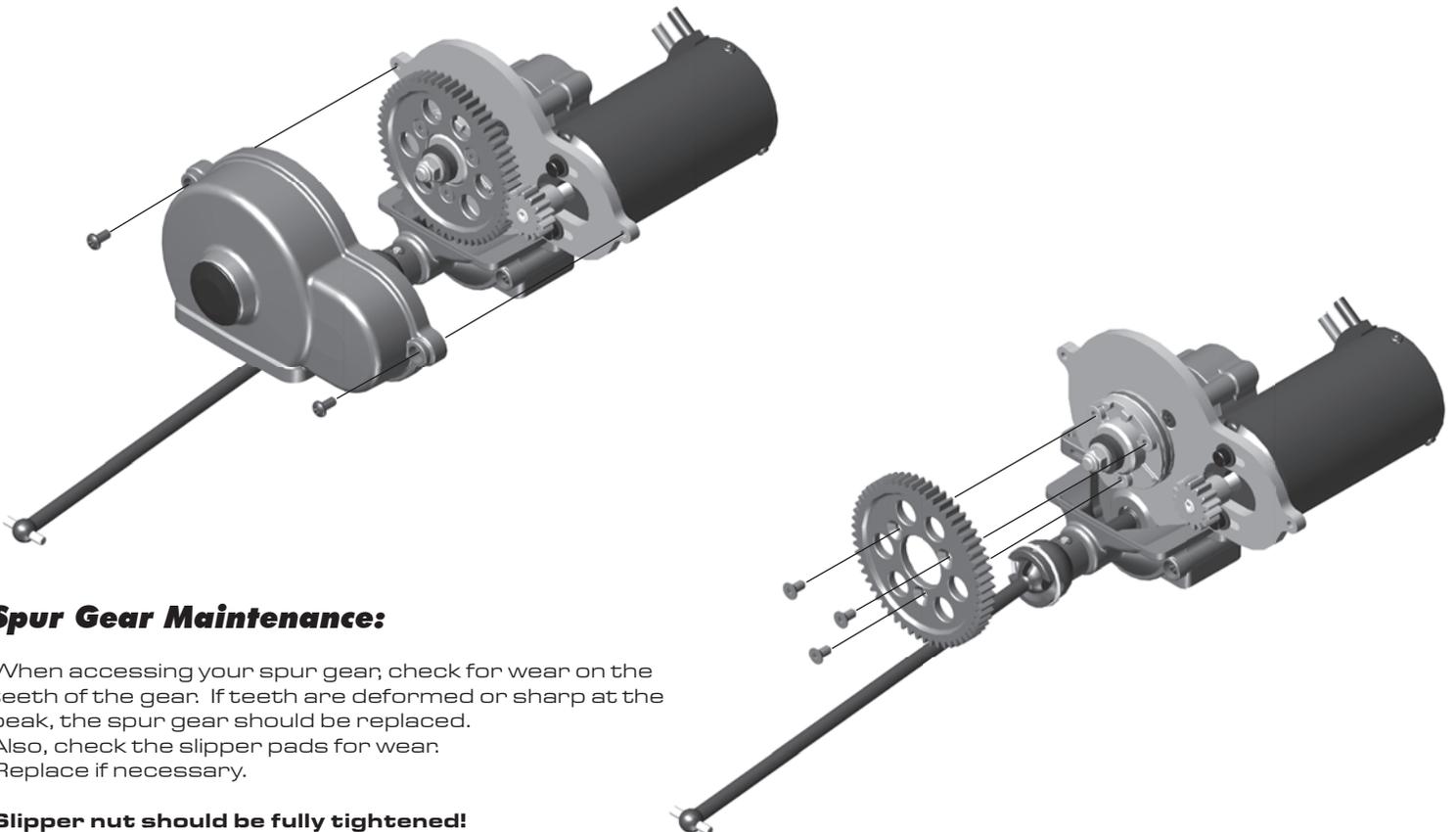
2. Loosen the motor screws until the motor is able to move freely. Slide the motor as far as it can go towards the spur gear, ensuring that the teeth of the pinion and the spur gear are interlocking. Slide the motor back (approximately 0.5 mm), and tighten the motor screws. Proper gear mesh has been achieved when the teeth are meshing closely, but the gears still have a small amount of clearance between them. If you hold one gear, you should be able to rock the other gear back and forth a small amount. If there is no clearance, your gear mesh is too tight and you should readjust the motor again.

:: Ride Height

Adjusting Ride Height:

The truck's ride height can be increased by adding pre-load clips to the shocks. Removing pre-load clips will decrease the ride height. Compress the spring and insert the pre-load clips between the spring collar and the shock body flange. Adding or removing ride height clips does not increase or decrease spring rate.

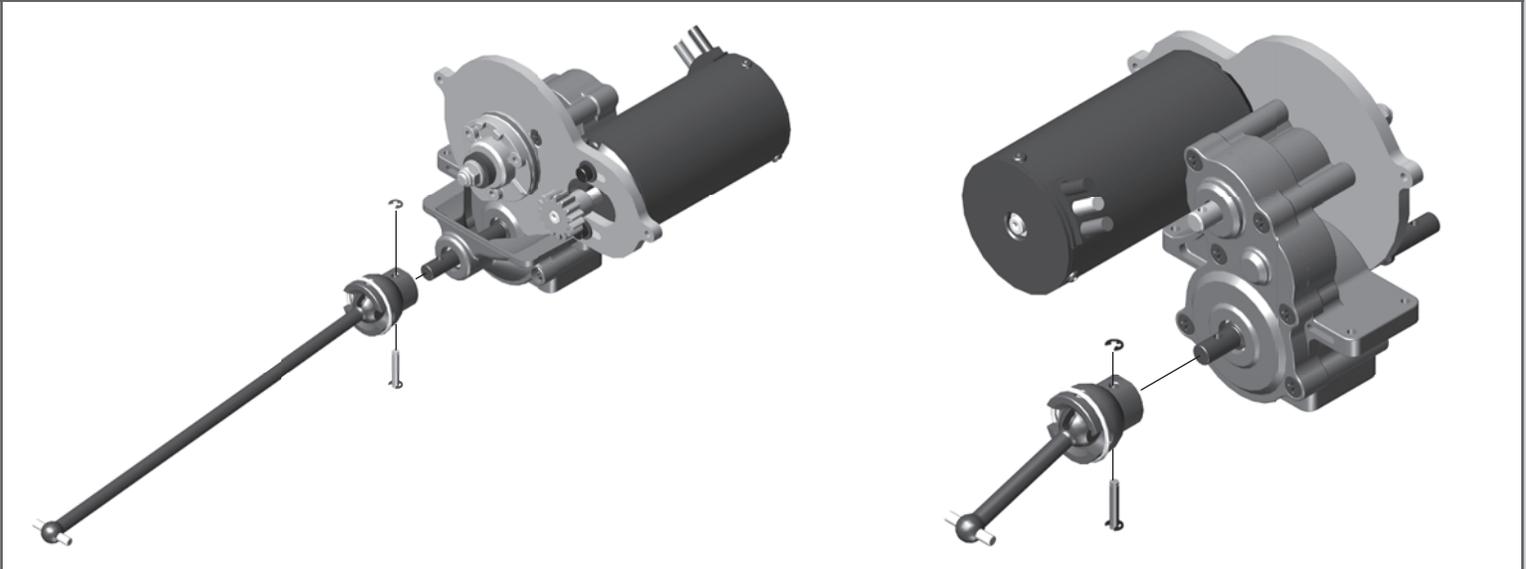


:: Spur Gear Access**:: Spur Gear Access - (cont.)****Spur Gear Maintenance:**

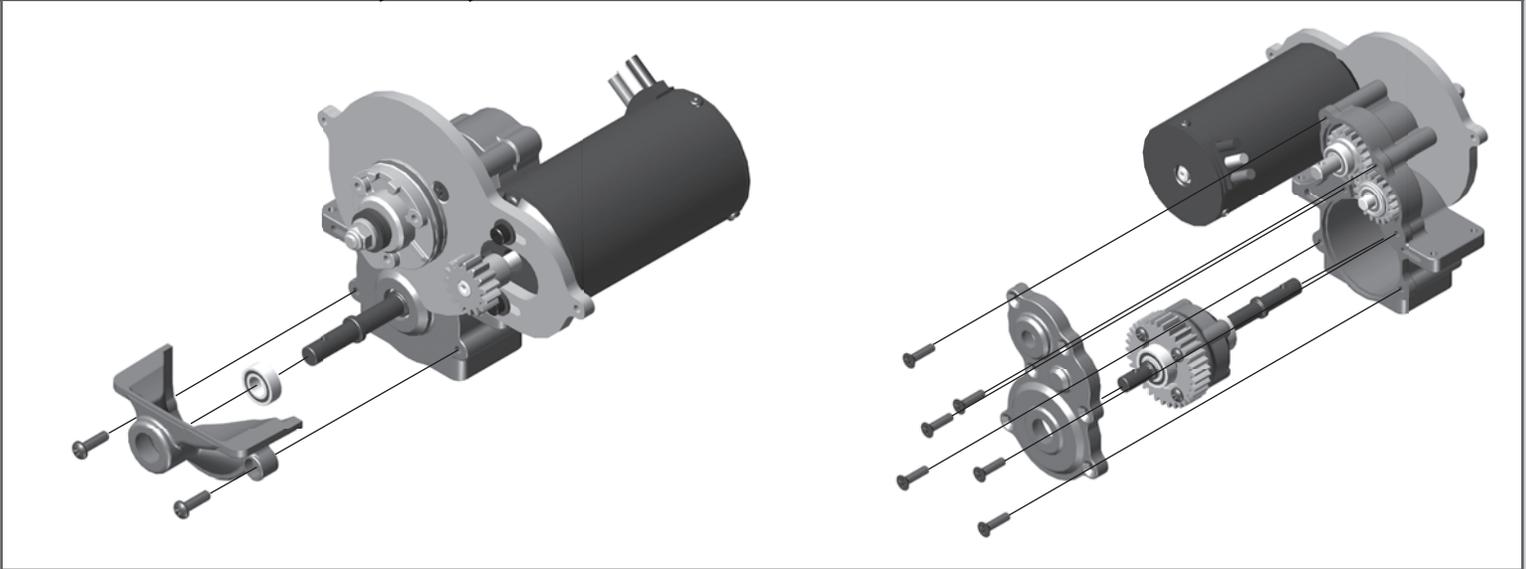
When accessing your spur gear, check for wear on the teeth of the gear. If teeth are deformed or sharp at the peak, the spur gear should be replaced. Also, check the slipper pads for wear. Replace if necessary.

Slipper nut should be fully tightened!

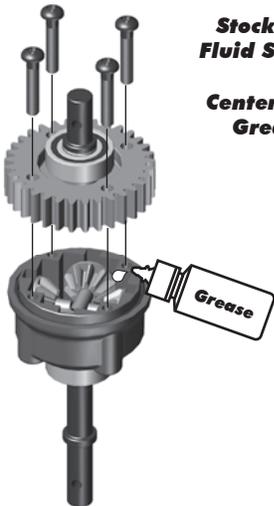
:: Center Diff Access



:: Center Diff Access - (cont.)



:: Center Diff Access - (cont.)



Stock Diff Fluid Setting:

Center Diff: Grease

Center Differential Maintenance:

Once you have removed the Center Diff gear; you can now clean the existing diff grease from the differential.

Check the diff gasket for wear or damage. Replace if necessary

Fill the diff to the top of the cross pin with your choice of diff fluids.

Suggested Diff Fluid Range: 100K to 500K

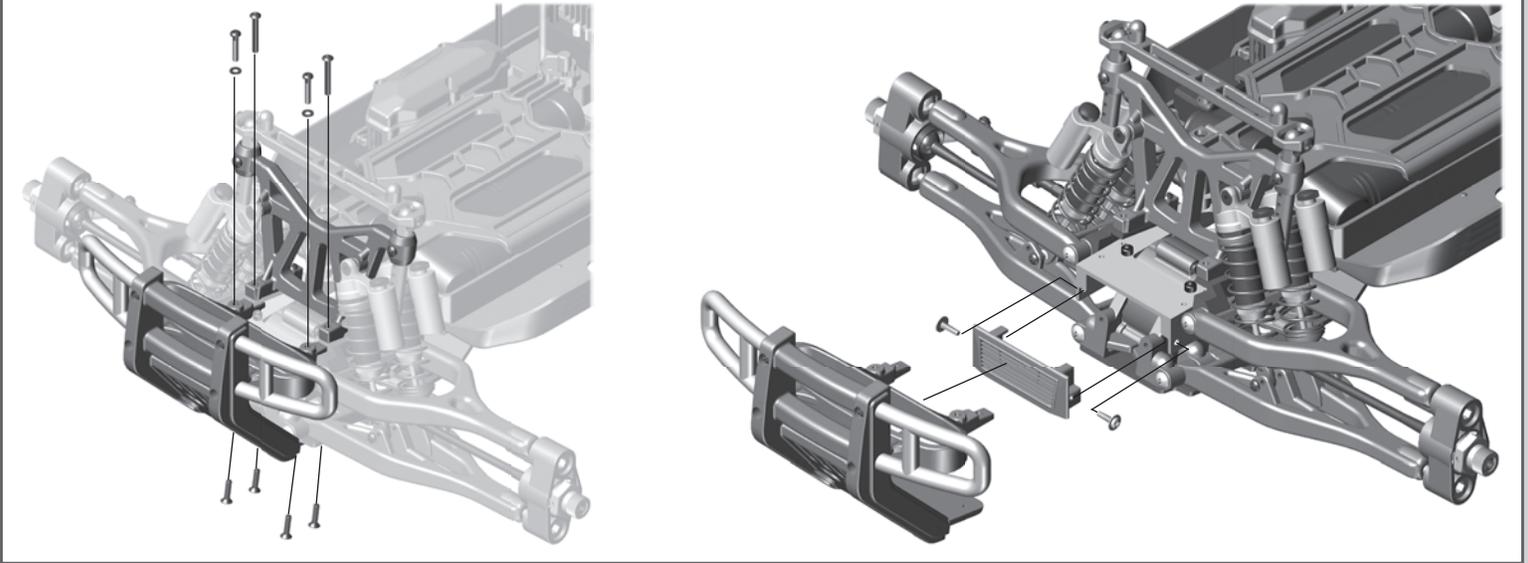
Thicker Diff Fluids:

Thicker fluids will get less low speed steering and better acceleration out of turns.

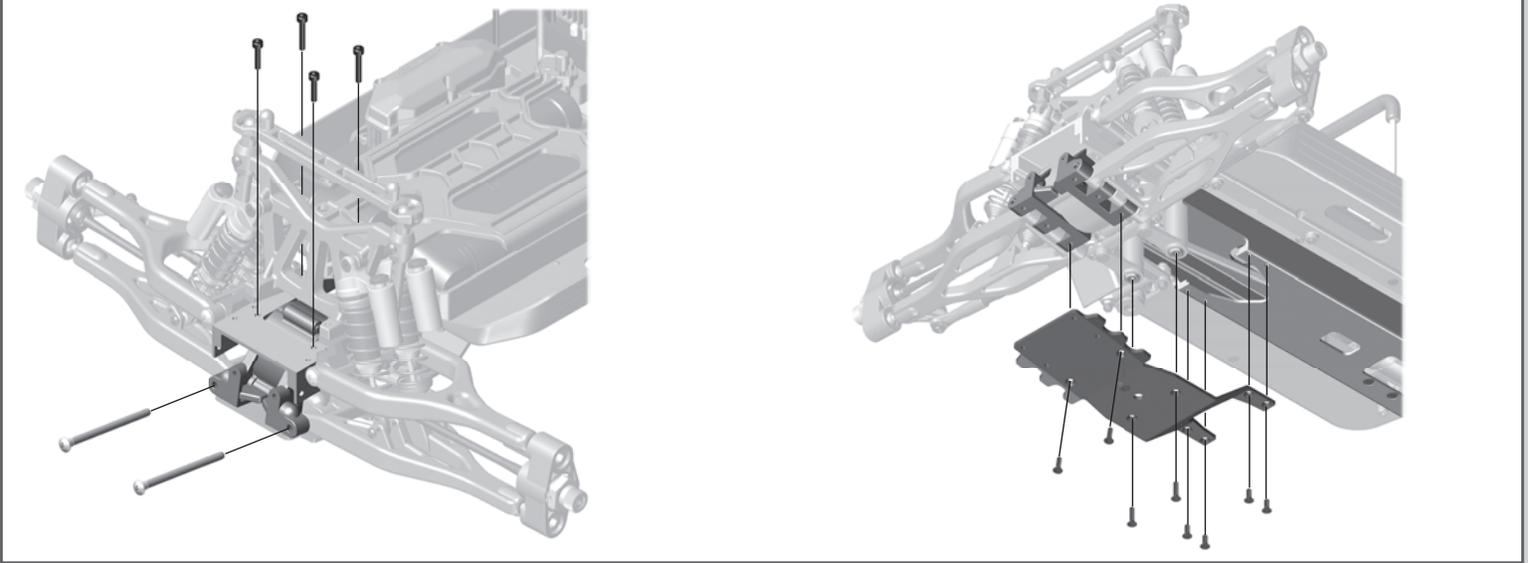
Thinner Diff Fluids:

Thinner fluids will give more low speed traction.

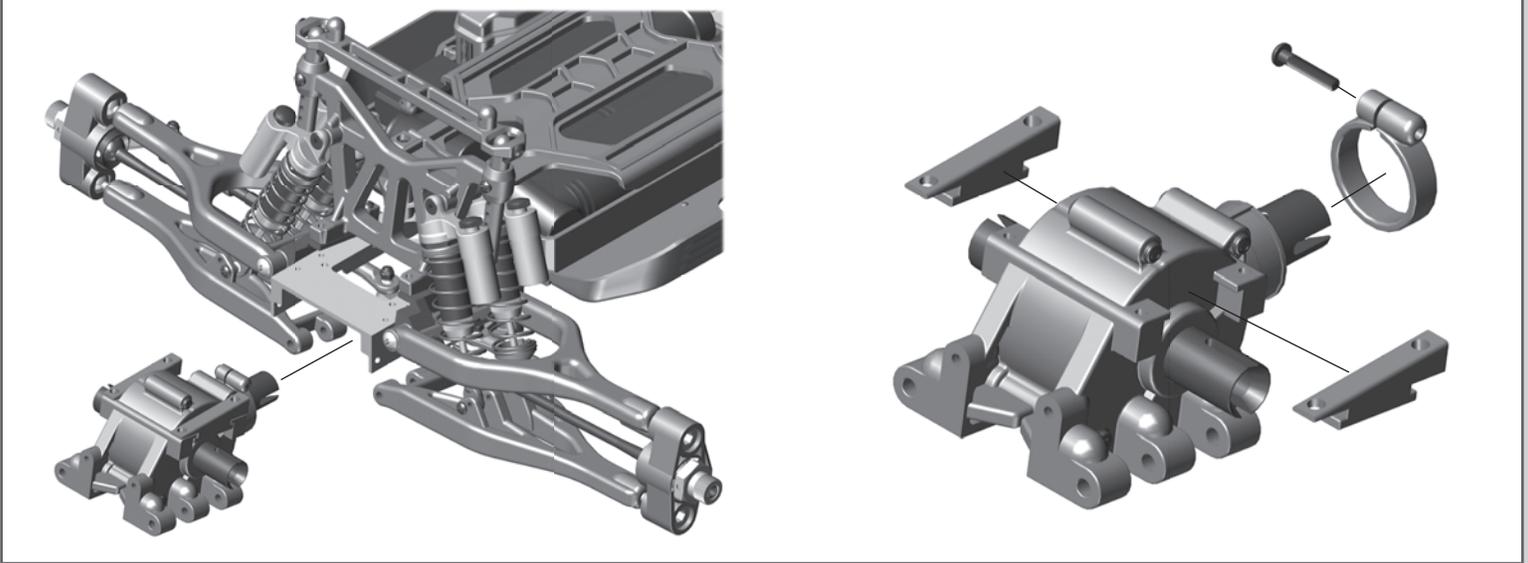
:: Front Diff Access



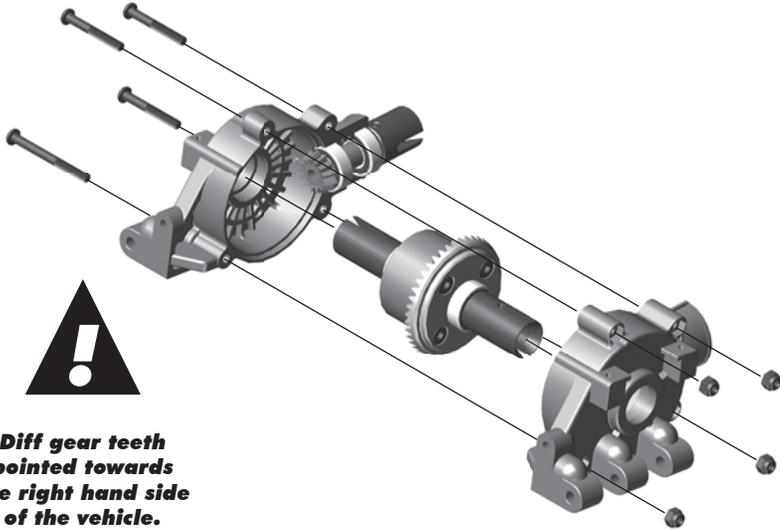
:: Front Diff Access - (cont.)



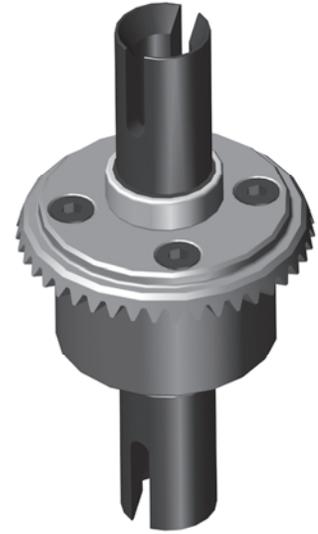
:: Front Diff Access - (cont.)



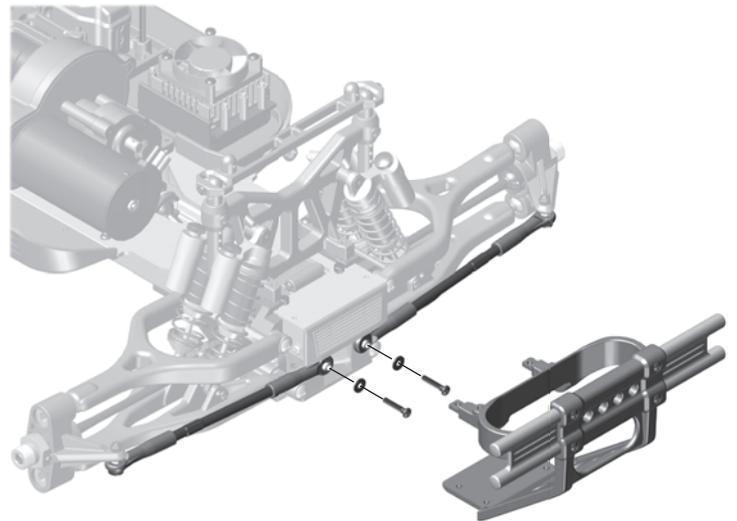
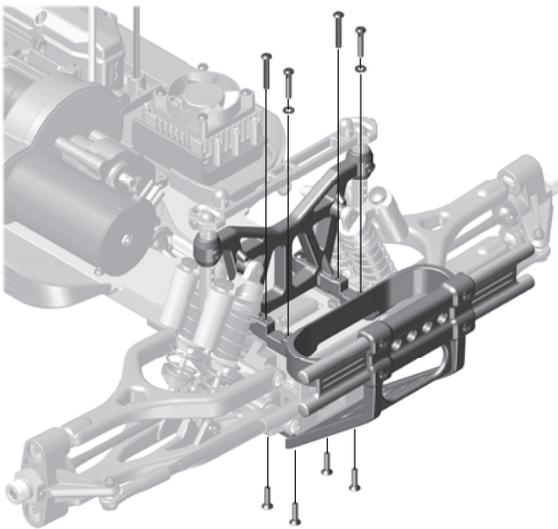
:: Front Diff Access - (cont.)



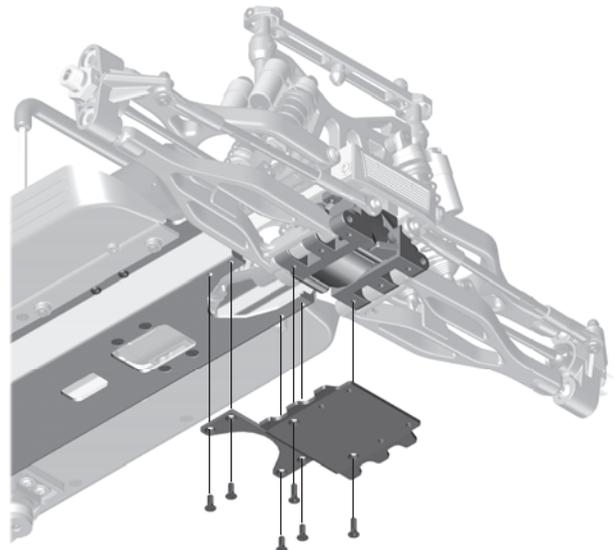
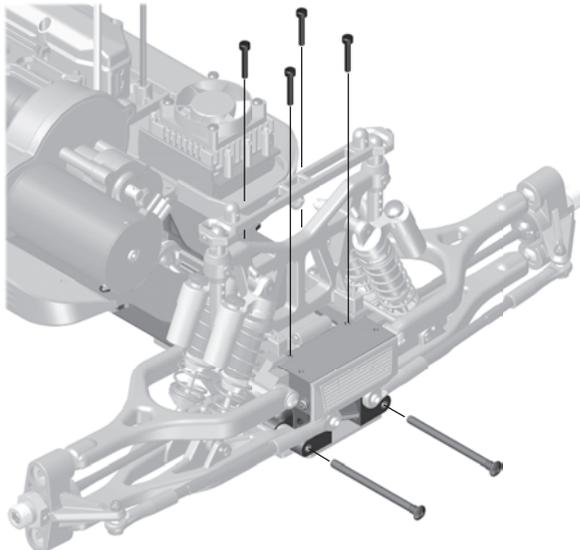
Diff gear teeth pointed towards the right hand side of the vehicle.



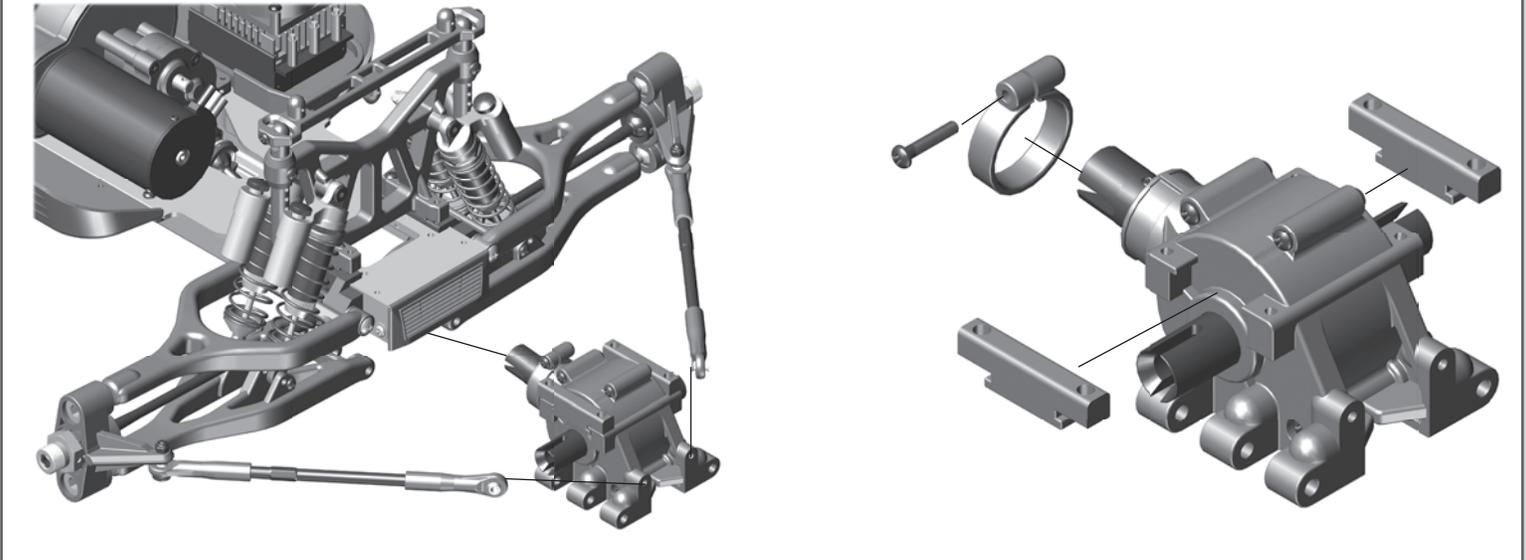
:: Rear Diff Access



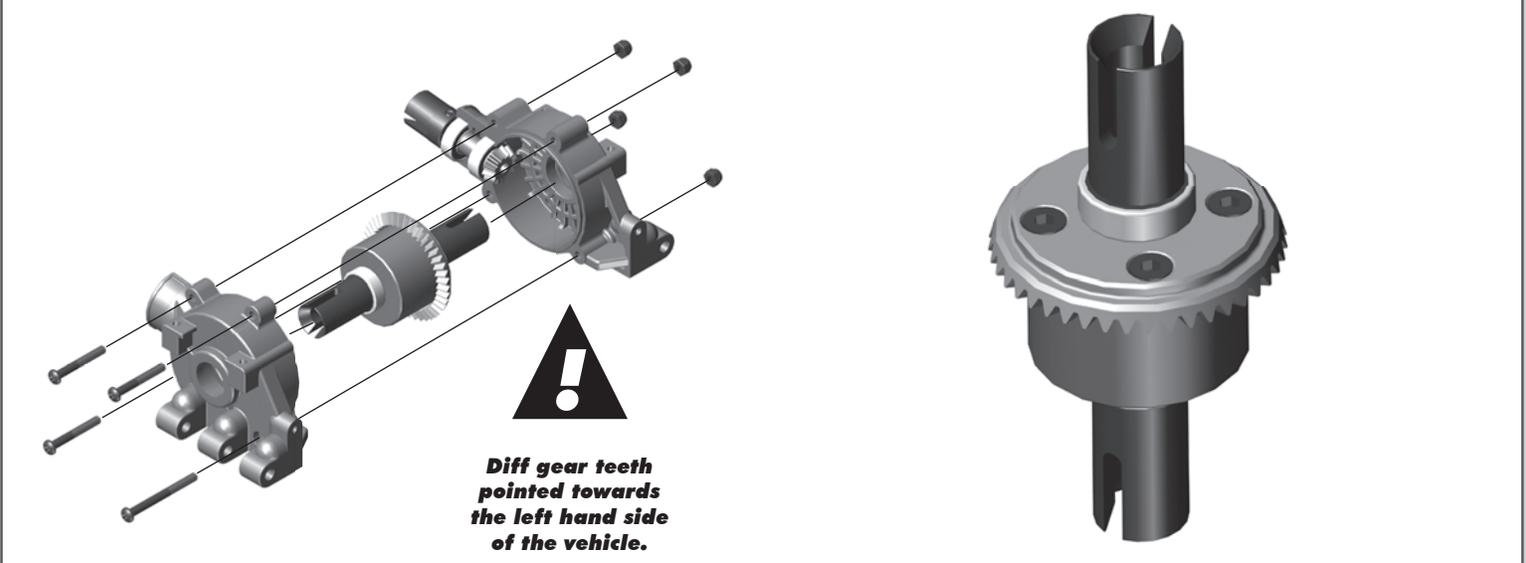
:: Rear Diff Access - (cont.)



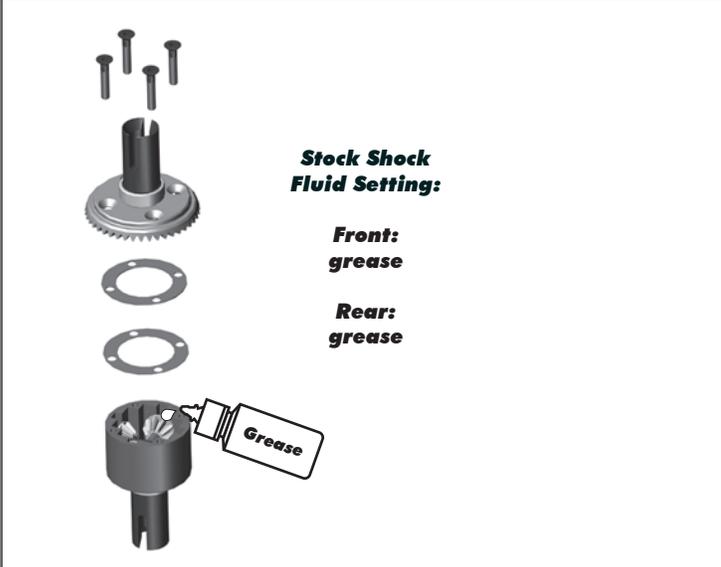
:: Rear Diff Access - (cont.)



:: Rear Diff Access - (cont.)



:: Front and Rear Diff Maintenance



Differential Maintenance:

Once you have removed the Diff gear, you can now clean the existing diff fluid from the differential.

Check the diff gasket for wear or damage. Replace if necessary

Fill the diff to the top of the cross pin with your choice of diff fluids.

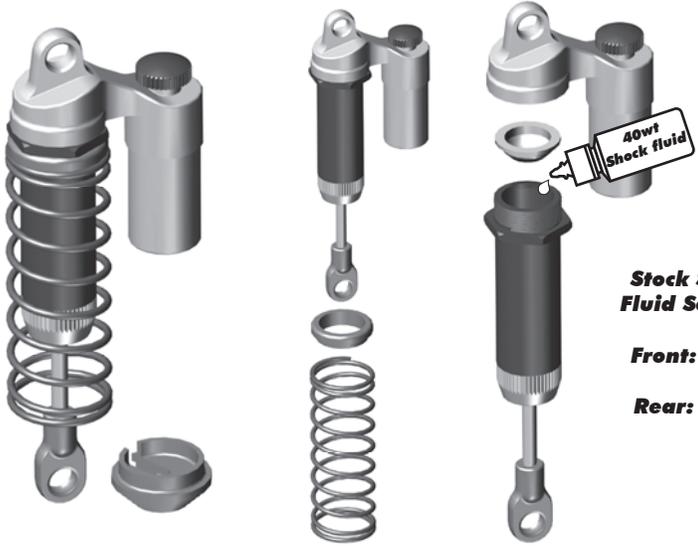
Front Diff: Suggested Diff Fluid Range: 10K to 100K

Thicker oil will get less low speed steering and better acceleration out of turns.

Rear Diff: Suggested Diff Fluid Range: 10K to 100K

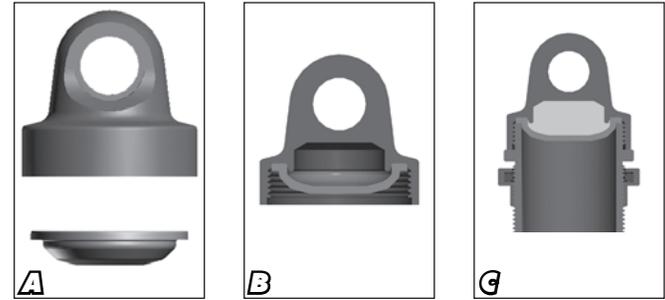
Thicker oil will rotate less in the turns and accelerate straight on power. Thinner oil will give more low speed traction.

:: Shock Maintenance



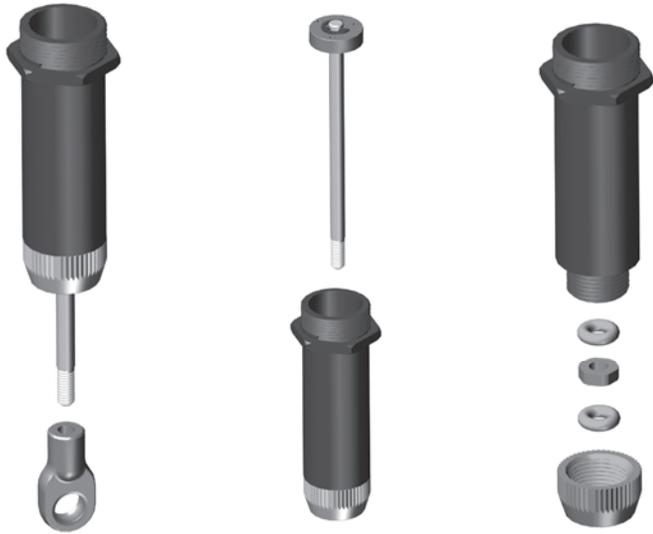
Stock Shock Fluid Setting:
Front: 40wt
Rear: 40wt

Bladder Installation



As you install the shock cap with the bladder, it will force out any extra fluid. If you install the cap with the shaft fully extended, you are running FULL REBOUND. This means the shaft will fully rebound when compressed. To run less rebound, unthread the cap 1-2 turns and compress the shaft to the desired position and re-tighten the cap with the shaft compressed. Start with no rebound.

:: Shock Maintenance - (cont.)



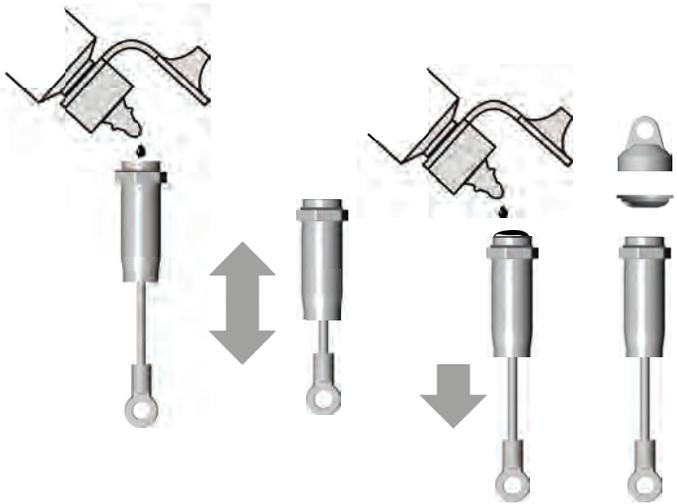
Shock Maintenance:

If you need to only refill your shocks with oil, follow the steps above only then move to the shock bleeding steps.

If your shocks leak from the bottom shock cap, follow all shock maintenance sections.

Replace the inner O-Rings in the bottom cap, then begin the shock oil filling and bleeding process.

:: Shock Maintenance - (cont.)



Shock Bleeding Steps:

1. Pull shock shaft down.
2. Fill shock body 3/4 full with silicone shock fluid.
3. Slowly move the shock shaft up and down to remove air from under the piston.
4. Wait for bubbles to come to surface.
5. Fill shock body to top with silicone shock fluid.
6. Place a drop of oil in the cap and on cap threads.
7. Install cap and tighten completely.
8. Unscrew the cap 3/4 turns and tilt the shock at a slight angle.
9. Slowly compress shaft all the way to bleed excess silicone shock fluid and air. You should see bubbles coming out from under the cap. (use rag around shock to catch excess fluid).
10. With the shaft compressed, tighten the cap and re-check for pressure at the top of the stroke. If there is still pressure, repeat steps 3-9.

Check for pressure



Some residual shock fluid may appear from your first few runs around the shock cap as a result of bleeding.

Step 1-2

Step 3-4

Step 5

Step 6-8

Step 9-10

:: Motor Manual

REEDY

1515-SL BRUSHLESS

Introduction

Congratulations on your purchase of the Reedy 1515-SL Brushless Motor. The latest brushless motor technology along with the design and engineering experience that is responsible for 28 World Championship titles has been incorporated into its design.

Due to its sensorless design, the Reedy 1515-SL Brushless Motor operates powerfully and efficiently without complicated sensor harnesses. This motor is perfectly suited for use with ESCs that are designed to operate sensorless brushless motors.

Features

- Oversized Precision Ball Bearings
- High-Torque 4-Pole Rotor
- Hardened 5mm Steel Shaft
- Triple-Insulated Windings
- Sensorless Operation
- 4.0mm Connectors

Be sure to visit www.reedypower.com for the latest application and gearing charts and to view a complete list of spare and option parts.

Please read the following before installing and using your new motor.

Precautions and Warnings

- Please read the instructions before installing and operating your motor.
- Avoid over gearing by monitoring motor temperature. Operating temperatures should not exceed 80C (175F).
- Be sure to use the proper size motor mounting screws.
- Do not over-tighten the motor mounting screws.
- Do not use a Schottky diode with this motor

Installation and Maintenance

- Your motor should be installed using 3mm screws with a length (generally 10mm or less) that does not allow the screw to extend into the motor more than 5mm. Otherwise, the screw can damage the motor's internal components.
- Do not over-tighten the motor mounting screws. Doing so may strip the mounting hole threads.
- Connect the three leads exiting the motor to the three motor leads from your Electronic Speed

Control (ESC). If the motor runs backwards when giving it forward throttle, reverse any two motor leads. The motor will now turn in the desired direction.

- To clean your motor, lightly brush dirt away on a regular basis paying particularly close attention to the areas around the ball bearings. DO NOT spray cleaners or solvents into the motor.

Caution

When switching to a higher voltage battery from a lower one (to 18.5V from 14.8V, for example), a change in gear ratio or a lower kV motor might be necessary. Otherwise, the motor or ESC may overheat and sustain permanent damage. Please visit www.reedypower.com for the latest gear ratio suggestions for your particular motor and vehicle.

Safety Precautions

This product is a sophisticated hobby product and not a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or property. This product is not intended to be used by children without direct adult supervision. It is essential to read and follow all instructions and warning found in this manual prior to installation, set up, and use in order for the product to operate properly and to avoid damage or injury.

Specifications

Model	1515-SL 2000kV
Item No.	929
Cells	3S-4S LiPo
RPM/Volt	2000
Diameter	40mm
Length	74mm
Weight	380g/13.4oz
Shaft Diameter	5.0mm
Max. Efficiency Current	20-50A
Max. Surge Current	100A/15s
Internal Resistance	6.2mΩ

Warranty

Your motor is warranted to the original purchaser for 30 days from the date of purchase against defects in material and workmanship. Motors that have been mishandled, abused, used incorrectly, used for an application other than intended or damaged by the user are not covered under warranty.

Associated Electrics Inc. is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.

:: ESC Manual

XP DIGITAL #29146 XP SC1300-DB Brushless ESC

Introduction

Congratulations on your XP Brushless Electronic Speed Control (ESC) purchase. The latest electronics technology along with the design and engineering experience that is responsible for multiple World Championship titles has been incorporated into its design.

Your XP Brushless ESC is water-resistant for maximum durability. Its light and compact design allows for easy installation in most 1/8 vehicles. Dual connectors allow plug and play use in vehicles that require two batteries. Simple calibration and a wide variety of tuning options make this ESC perfect for both casual enthusiast and racers. When paired with a Reedy Brushless Motors, you create a potent combination of power and efficiency that brings performance to a new level. More power and less maintenance elevate the fun factor by increasing top speeds and reducing down time.

Please read the following before installing and operating your new ESC.

Features

- Adjustable LiPo Low-Voltage Cutoff
- LiPo Cell Count Auto Detect
- Reversible With Reverse Lockout
- Fully Proportional Brakes
- Adjustable Drag Brakes
- Adjustable Throttle Profile
- Hard Case with Aluminum Heat Sink
- Water Resistant
- Heavy Duty Silicone Wires
- Dual Deans® Ultra Plug® Connector
- 4.0mm Motor Connectors
- Pre-Wired For Optional Cooling Fan

Specifications

	#29146
Description	XP SC1300-DB
Cells	2 x 2S LiPo 2 x 7-cell NiMH
On Resistance	0.5 mΩ x2
Brakes	Proportional
Motor Limit	4S (2x2S) 2650kV
Reversible	Yes, w/Brakes Only Option
Low Voltage Cutoff	Adjustable, w/Cell Auto-Detect
Dimensions	46mm x 42mm x 26mm
Weight w/Wires	100g (3.5oz)
Power Wires	12-Gauge Silicone
Connector Type	Battery / Deans® x2, Motor / 4.0mm sockets

Installation

- Mount your ESC securely using high quality double-sided tape.
- Install your ESC in a position that allows easy access to all connectors.
- Plug the ESC's receiver wire into the receiver (refer to radio manufacturer's manual)
- To prevent radio interference, arrange ESC wiring so that it is not in close proximity to the receiver antenna wire.
- Connect the three motor leads exiting the ESC to the three leads exiting your motor. If the motor runs backwards when giving it forward throttle, reverse any two motor leads. The motor will now run the desired direction.
- Mount the switch to the case using the tab provided.
- Always power ON your transmitter before the ESC, and power OFF the ESC before the transmitter.

Safety Precautions

This product is a sophisticated hobby product and not a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or property. This product is not intended to be used by children without direct adult supervision. It is essential to read and follow all instructions and warnings found in this manual prior to installation, set up, and use, in order for the product to operate properly and to avoid damage or injury.

Throttle Calibration

Your new ESC must be calibrated before use. Before calibration, be sure to set your radio's throttle and brake EPAs to 100% and your throttle trim to neutral. Then follow the steps outlined below.

Step #	Procedure	Signal From ESC	
		Audio	LED
1	Power ON transmitter		
2	Throttle position to maximum throttle (hold)		
3	Power ON ESC	bibi-bibi	red static/6 green flash
4	Throttle trigger position to neutral	bibi-bibi	red static/4 green flash
5	Throttle trigger position to maximum brake	bibi-bibi	red static /4 green flash
6	Throttle trigger position to neutral		red static
7	Power OFF ESC, then transmitter		

Once the calibration procedure is complete, turn on your transmitter, then your ESC, and begin operating your vehicle. Note: If you choose to make settings adjustments at this time, you can do so immediately after step #6 of the throttle calibration procedure.

Programmable Settings

Your ESC comes with pre-programmed default settings. You can also change the setting based on the type of vehicle used as well as personal performance preferences based on the track you are driving on and your driving style.

Drag Brake - Drag brake is the amount of braking achieved when the throttle is returned to neutral. A setting of 0% means the vehicle will free wheel to a stop while higher settings will stop the car faster. Please note that regardless of the drag brake setting, you will still be able to use the brake trigger to manually slow the car.

Throttle Profile - This setting adjusts the power delivery of your ESC/motor combination. The Very Soft setting can be used on loose or bumpy track to reduce wheel spin while the Maximum setting works well when high traction is available. Four settings provide options for any track condition.

Run Mode - This gives the option of using reverse or eliminating it completely (for competition). With reverse activated, you will still have fully proportional braking.

To make settings adjustments, you must first follow the calibration procedure. After step #6, you will encounter a 5-second delay before entering the settings adjustment mode. All changes will be made using your transmitter's throttle trigger. Note: Once you enter the settings adjustment mode, the ESC will scroll through all options. If you fail to choose a setting, the ESC will keep the previously saved setting.

For example, if you want to change the throttle profile from Soft to Standard, enter the settings mode. You will encounter the Drag Brake mode first at which time you can let the ESC scroll through the choices (the previously saved setting will be kept) until you reach the Throttle Profile choices. You must make the selection by pulling the throttle trigger to maximum after the ESC scrolls to the desired setting (in this case Standard) indicated by the appropriate audible tones. Once this setting (or any setting for that matter) is chosen, you can skip to Step #5 if no other changes are desired.

Step #	Procedure	Signal From ESC	
		Audio	LED
1	Drag Brakes		
	0% (default)	1-2	red static/green flashes
	2.5%	1-2-2	
	5%	1-2-2-2	
	10%	1-2-2-2-2	
	Throttle trigger position to maximum to select value	bibi-bibi	red static/4 green flash
Throttle position to neutral			red static
2	Throttle Profile		
	Very Soft	1-2-2	red static/green flashes
	Soft	1-2-2-2	
	Standard (default)	1-2-2-2-2	
	Maximum	1-2-2-2-2-2	
	Throttle trigger position to maximum to select value	bibi-bibi	red static/4 green flash
Throttle position to neutral			red static
3	Run Mode		
	Reverse Off (Forward Only)	1-2-2	red static/green flashes
	2-Stage Reverse (default)	1-2-2-2	
	Throttle trigger position to maximum to select value	bibi-bibi	red static/4 green flash
Throttle position to neutral			
4	Power OFF ESC and transmitter		
5	Power ON transmitter and ESC	melody bi-bi	3 green flash, 2 red flash
			green static or red static

Battery Management System

Battery Management System - A choice of either LiPo mode or NiMH mode adjusts the low voltage cutoff point. This is critically important when using LiPo batteries that should not, for performance and safety reasons, be discharged below 3.0V per cell. In LiPo mode, the ESC detects whether you are using 2 or 3 cells and adjusts the cutoff accordingly.

The ESC can be toggled between LiPo and NiMH by following the steps outlined below. **The default setting is NiMH mode.**

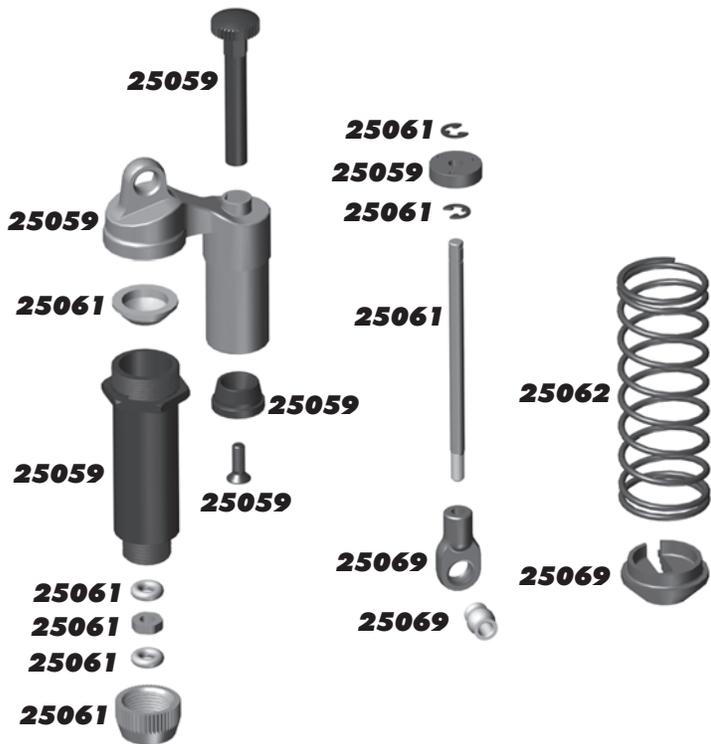
Step #	Procedure	Signal From ESC	
		Audio	LED
Battery Management System			
1	Power ON transmitter		
2	Throttle position to maximum brake (hold)		
3	Power ON ESC	bi-bi	2 green flash
			green static (LiPo) or red static (NiMH)
4	Throttle trigger position to neutral		
5	Power OFF ESC, then transmitter		
6	Power ON transmitter, the ESC	melody	3 green flash, 2 red flash
		bibi-bibi	green static or red static

IMPORTANT! When the transmitter and ESC are turned on, the color of the ESC LED at neutral indicates which mode the ESC is in. When the LED is green, the ESC is in LiPo mode (3.2V/cell cut off). When the LED is red, the ESC is in NiMH mode (default).

Vehicle Operation - To operate the vehicle, pull back on the throttle trigger to move forward and push forward on the throttle trigger to engage brakes. To engage reverse, push forward on the throttle trigger to maximum brakes. Hold the trigger in this position for at least .5 seconds before returning the throttle trigger to neutral. Now push the throttle trigger forward to reverse the vehicle.

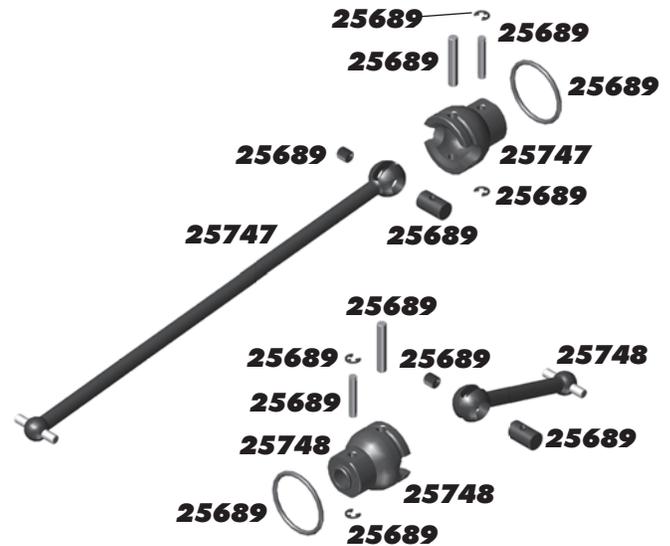
:: Shocks

25058	Assembled Shocks, Set of eight	8
25059	Assembled Shocks, Set of two	2
25061	Shock Rebuild & Shafts, Set	1
25062	Blue/Soft Shock Springs, 4.40 lbs	4
25063	Gold/Medium Shock Springs, 5.10 lbs	4
25064	Red/Firm Shock Springs, 5.95 lbs	4
25065	Copper/Extra Firm Shock Springs, 6.90 lbs	4
25069	Shock Eyelets & Accessories, Set	1
25070	Shock Mounting Hardware, Set	1



:: Drive Shafts

25689	Center CVA Rebuild Kit	1
25747	RIVAL-MT Center Drive Shaft, Front	1
25748	RIVAL-MT Center Drive Shaft, Rear	1



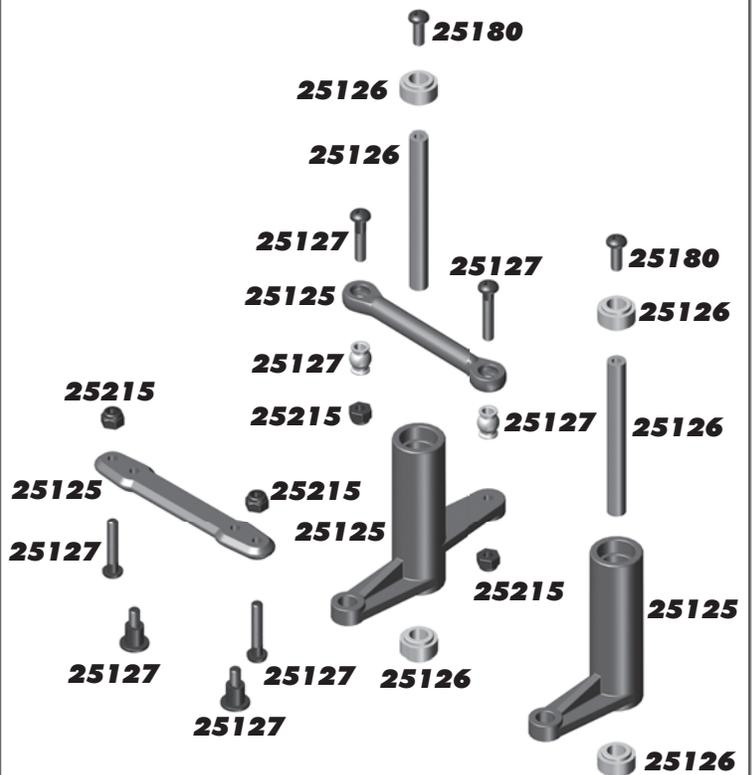
:: Shock Fluid

5420	10 Weight Silicone Shock Fluid	2oz.
5421	20 Weight Silicone Shock Fluid	2oz.
5422	30 Weight Silicone Shock Fluid	2oz.
5423	40 Weight Silicone Shock Fluid	2oz.
5424	22.5 Weight Silicone Shock Fluid	2oz.
5425	80 Weight Silicone Shock Fluid	2oz.
5426	27.5 Weight Silicone Shock Fluid	2oz.
5427	15 Weight Silicone Shock Fluid	2oz.
5428	25 Weight Silicone Shock Fluid	2oz.
5429	35 Weight Silicone Shock Fluid	2oz.
5430	45 Weight Silicone Shock Fluid	2oz.
5431	55 Weight Silicone Shock Fluid	2oz.
5432	32.5 Weight Silicone Shock Fluid	2oz.
5433	37.5 Weight Silicone Shock Fluid	2oz.
5434	42.5 Weight Silicone Shock Fluid	2oz.
5435	50 Weight Silicone Shock Fluid	2oz.
5436	60 Weight Silicone Shock Fluid	2oz.
5437	70 Weight Silicone Shock Fluid	2oz.
5438	47.5 Weight Silicone Shock Fluid	2oz.



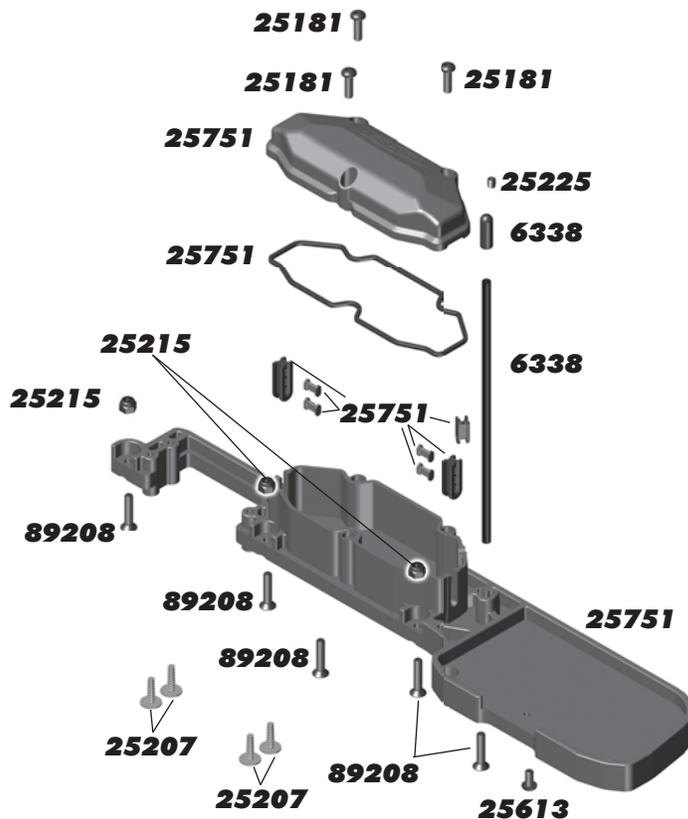
:: Steering

25125	Bellcrank Plastic Parts Set	1
25126	Bellcrank Posts (2) & Bushings (4)	1
25127	Bellcrank Hardware	1
25180	M3 x 8mm BHPS	20
25215	M3 Locknut	20



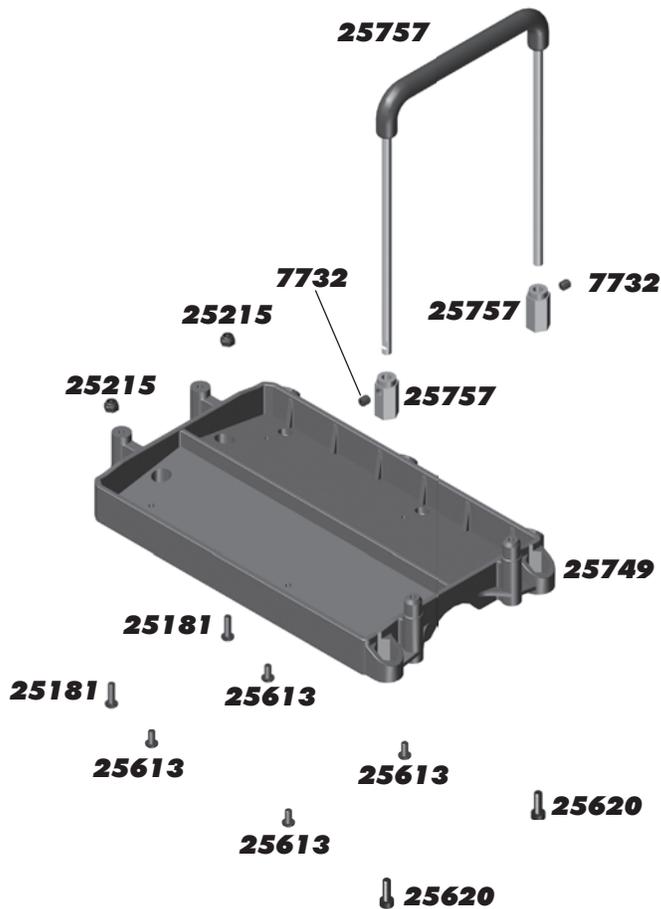
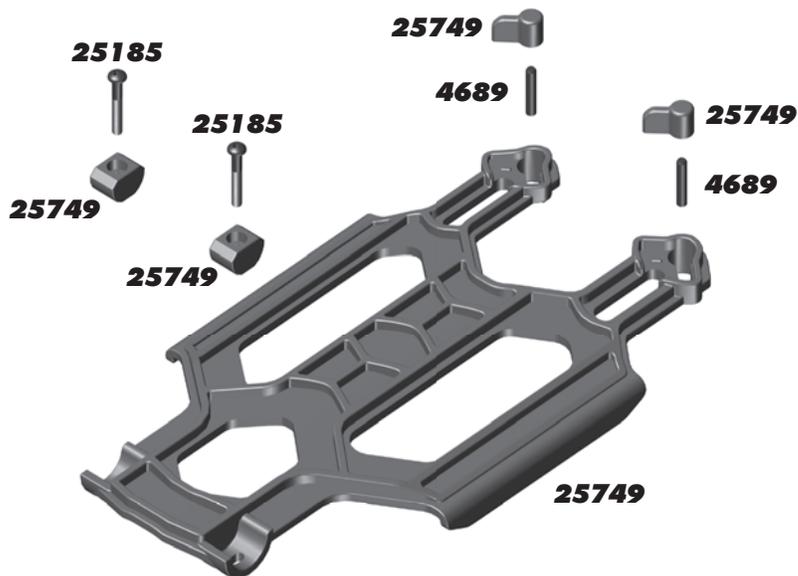
:: Radio Tray and Servo Saver

6338	Antenna Tube with Cap, black	1
25162	Servo Saver, XT/Futaba - (Used in RTR)	1
25166	Servo Saver, Hitec	1
25167	Servo Saver, JR/Airtronics	1
25181	M3 x 10mm BHPS	20
25207	M3 x 10mm BHPTS	20
25215	M3 Locknut	20
25225	M3 x 3mm Set Screw	20
25232	Lock Washer	20
25613	M3 x 6mm BHPS	20
25751	RIVAL-MT Receiver Tray	1
89208	M3 x 14mm FHCS	10



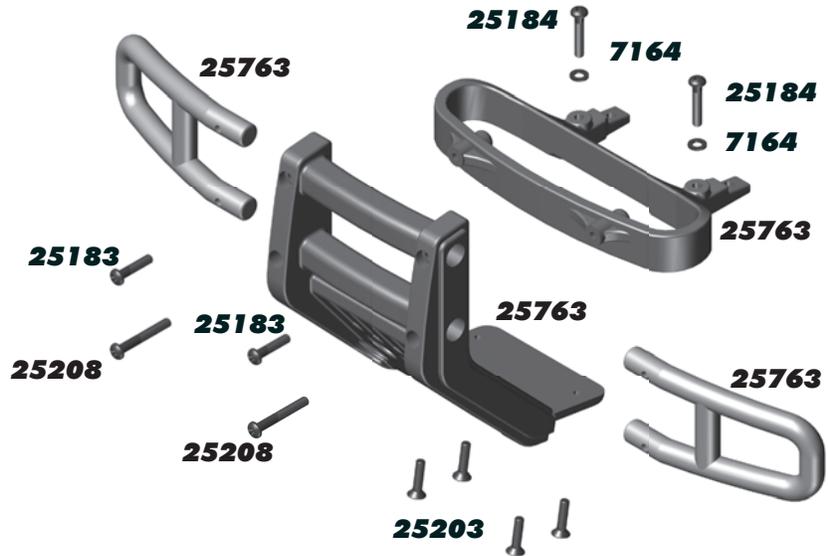
:: Battery Tray / Strap and Roll Bar

3848	Foam Battery Spacer (Use with LiPo Batteries - Not pictured)	1
4689	M3 x 16mm Set Screw	6
7732	4mm x 4mm Set Screw	6
25181	M3 x 10mm BHPS	20
25185	M3 x 20mm BHPS	20
25215	M3 Locknut	20
25613	M3 x 6mm BHPS	20
25620	M3 x 10mm SHCS	20
25749	RIVAL-MT Battery Tray	1
25757	RIVAL-MT Roll Hoop	1



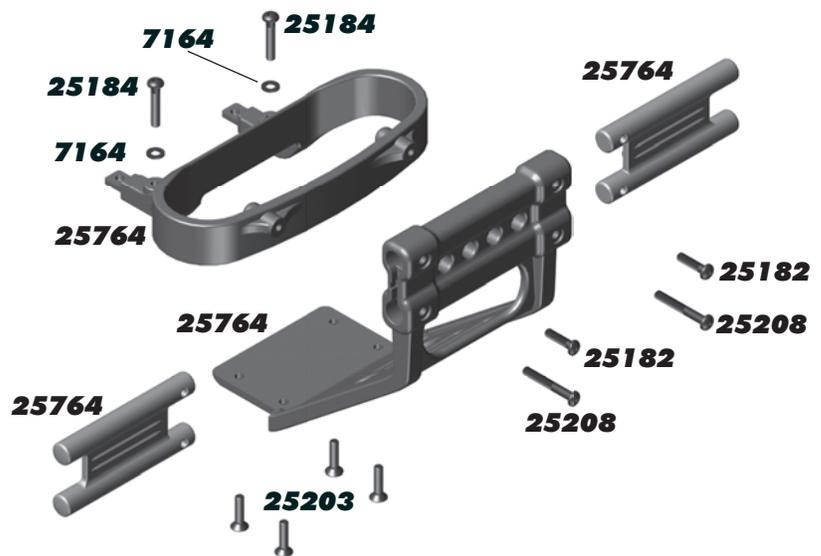
:: Front Bumper

7164	Washer, 3 x 6 x 0.5mm	10
25183	M3 x 14mm BHPS	20
25184	M3 x 16mm BHPS	20
25203	M3 x 12mm FHCS	20
25208	M3 x 22mm BHPS	20
25763	RIVAL-MT Front Bumper	1



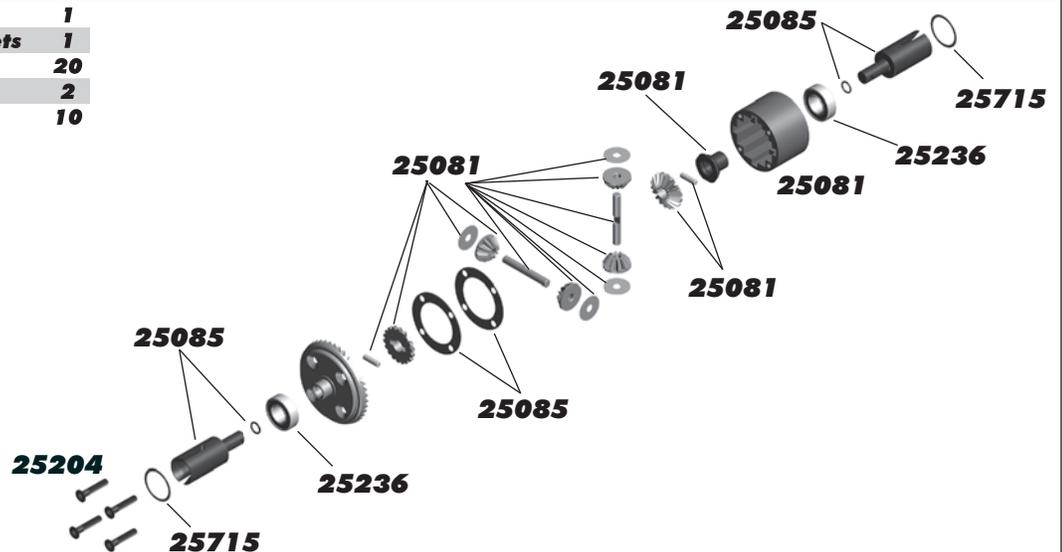
:: Rear Bumper

7164	Washer, 3 x 6 x 0.5mm	10
25182	M3 x 12mm BHPS	20
25184	M3 x 16mm BHPS	20
25203	M3 x 12mm FHCS	20
25208	M3 x 22mm BHPS	20
25764	RIVAL-MT Rear Bumper	1



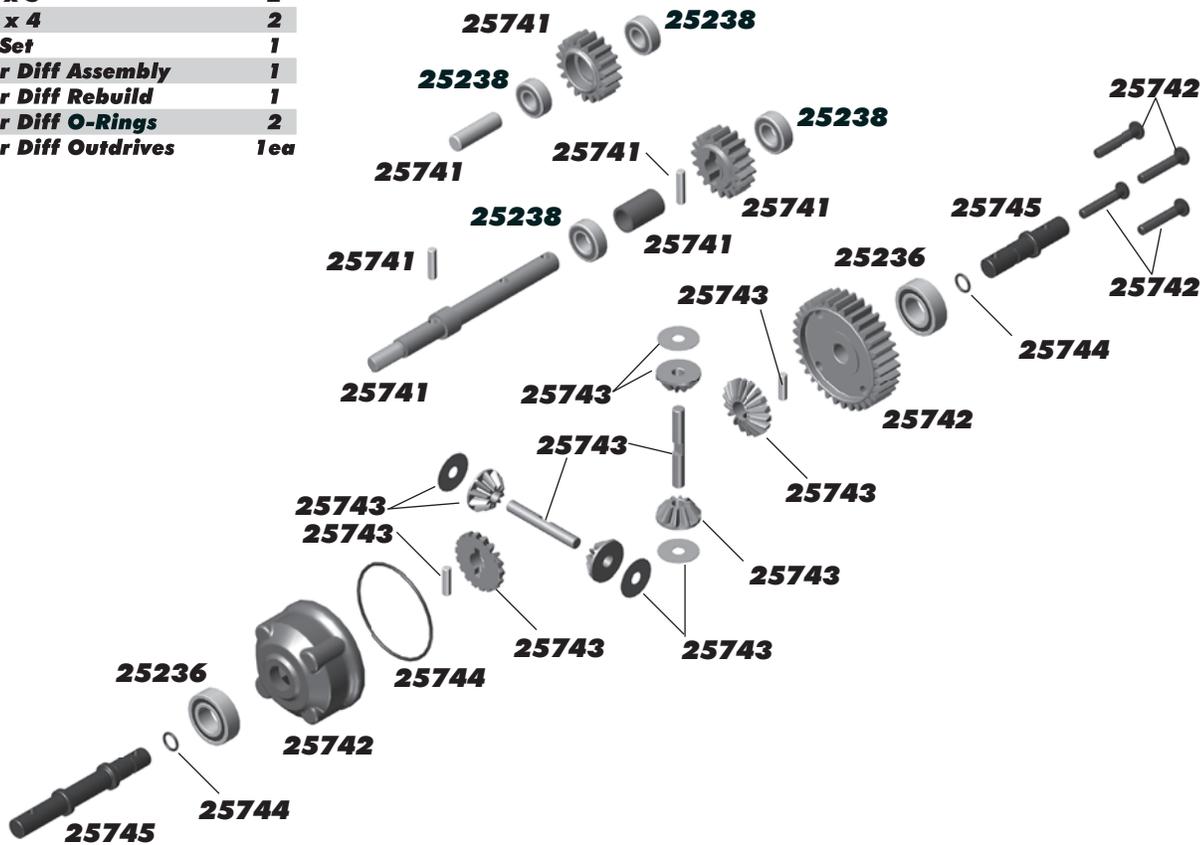
:: Front and Rear Gear Differential

25081	Assembled Differential	1
25085	Differential Outdrives & Gaskets	1
25204	M3 x 16mm FHCS	20
25236	Bearing, 8 x 16 x 5	2
25715	Differential Shims	10



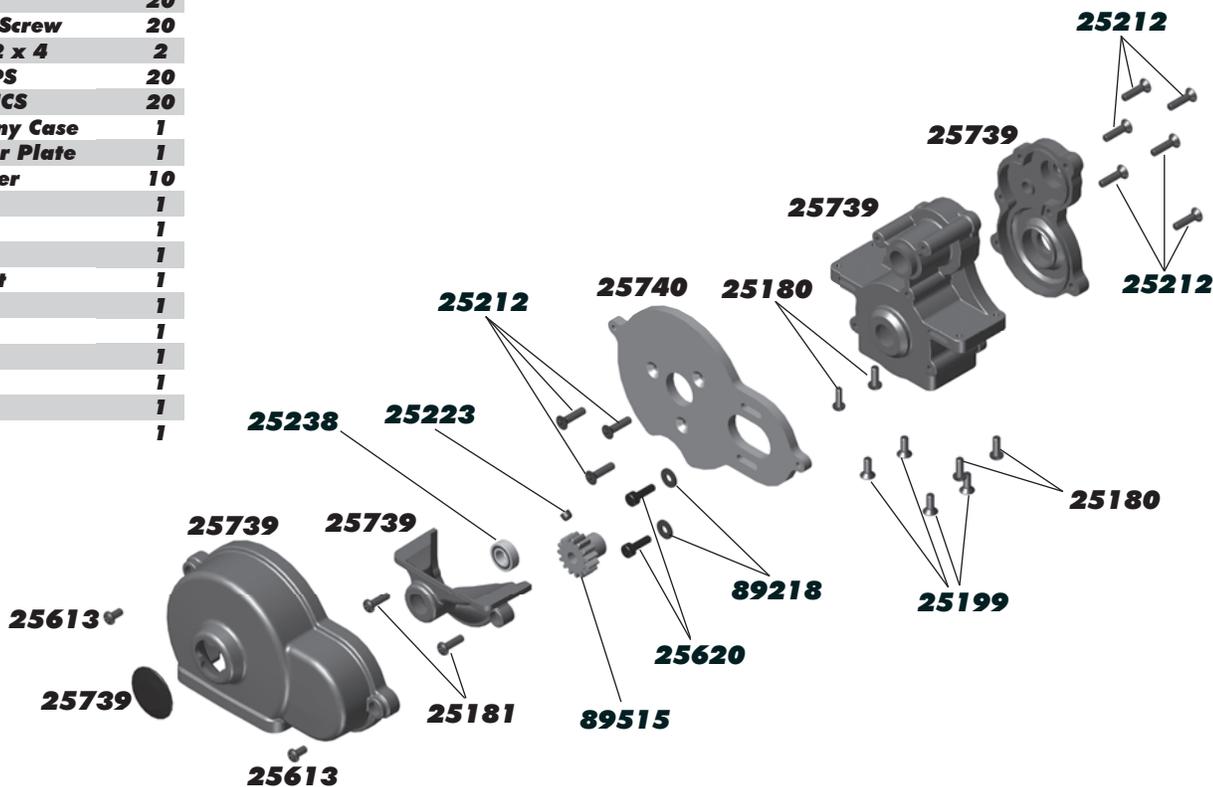
:: Transmission Internal Gears

25236	Bearing, 8 x 16 x 5	2
25238	Bearing, 6 x 12 x 4	2
25741	RIVAL-MT Gear Set	1
25742	RIVAL-MT Center Diff Assembly	1
25743	RIVAL-MT Center Diff Rebuild	1
25744	RIVAL-MT Center Diff O-Rings	2
25745	RIVAL-MT Center Diff Outdrives	1 ea



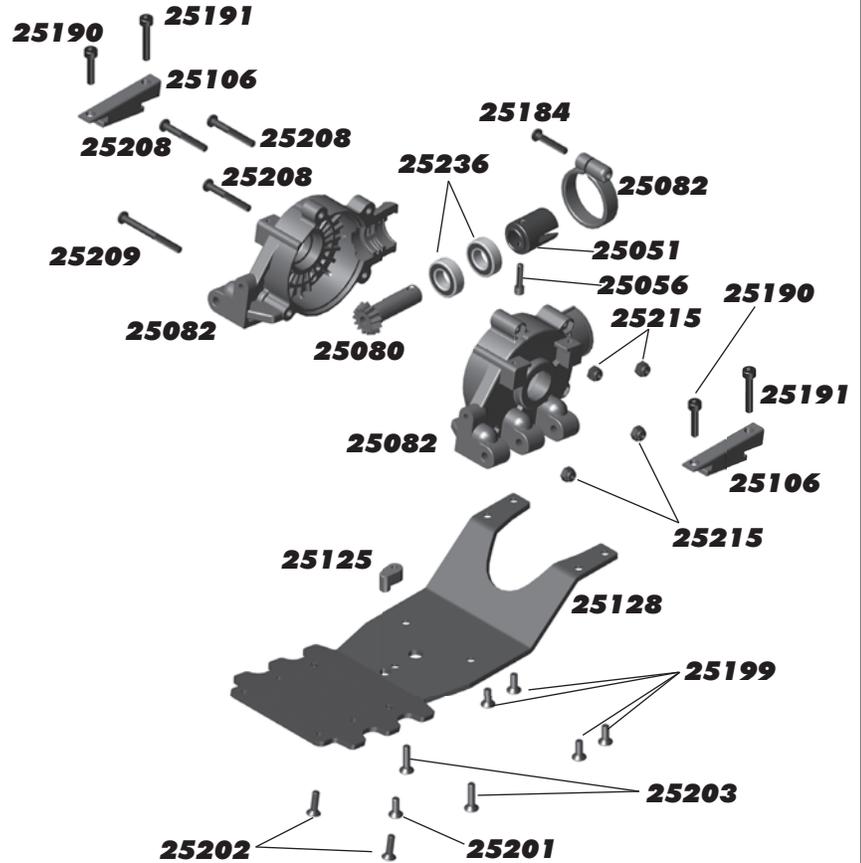
:: Transmission

25180	M3 x 8mm BHPS	20
25181	M3 x 10mm BHPS	20
25199	M3 x 8mm FHPS	20
25212	M3 x 12 FHPS	20
25223	M4 x 3mm Set Screw	20
25238	Bearing, 6 x 12 x 4	2
25613	M3 x 6mm BHPS	20
25620	M3 x 10mm SHCS	20
25739	RIVAL-MT Tranny Case	1
25740	RIVAL-MT Motor Plate	1
89218	3 X 8mm Washer	10
89512	12T Pinion	1
89513	13T Pinion	1
89514	14T Pinion	1
89515	15T Pinion - Kit	1
89516	16T Pinion	1
89517	17T Pinion	1
89593	18T Pinion	1
89594	19T Pinion	1
89595	20T Pinion	1
89596	21T Pinion	1



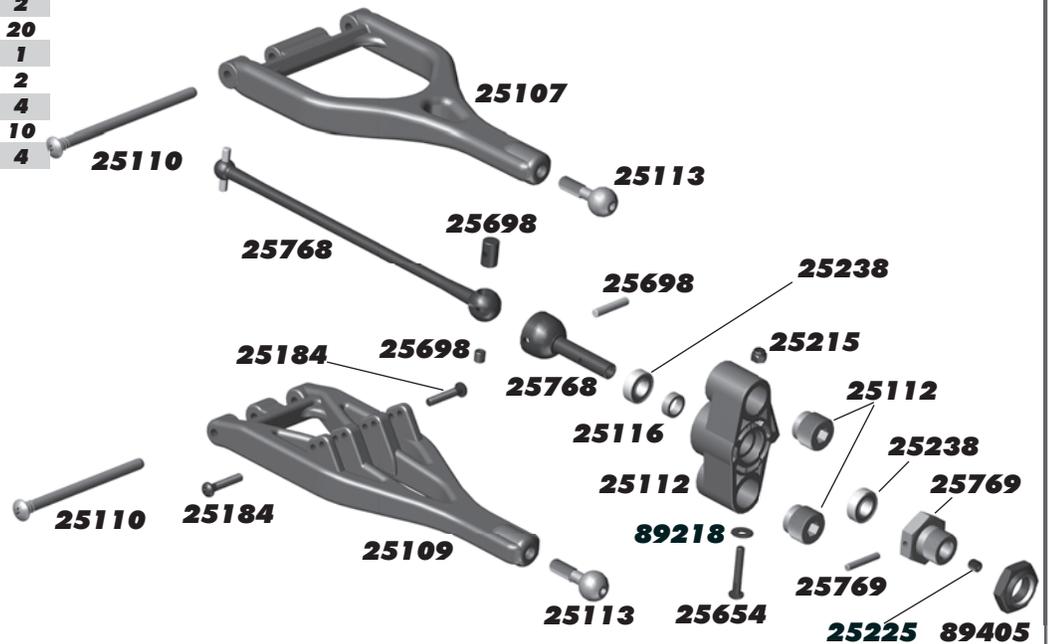
:: Front Gearbox

25051	Front / Rear Drive Input Cup w/ Set Screws	1
25056	Drive Cup Set Screws	4
25080	Differential Pinion Gear & Shaft	1
25082	Front/Rear Transmission Case with screws	1
25106	Front & Rear Transmission Chassis Mounts	1
25125	Bellcrank Plastic Parts	1
25128	Front Skid Plate	1
25184	M3 x 16mm BHPS	20
25190	M3 x 14mm SHCS	20
25191	M3 x 18mm SHCS	20
25199	M3 x 8mm FHPS	20
25201	M3 x 8mm FHCS	20
25202	M3 x 10mm FHCS	20
25203	M3 x 12mm FHCS	20
25208	M3 x 23mm BHPS	20
25209	M3 x 32mm BHPS	20
25215	M3 Locknut	20
25236	Bearing, 8 x 16 x 5	2



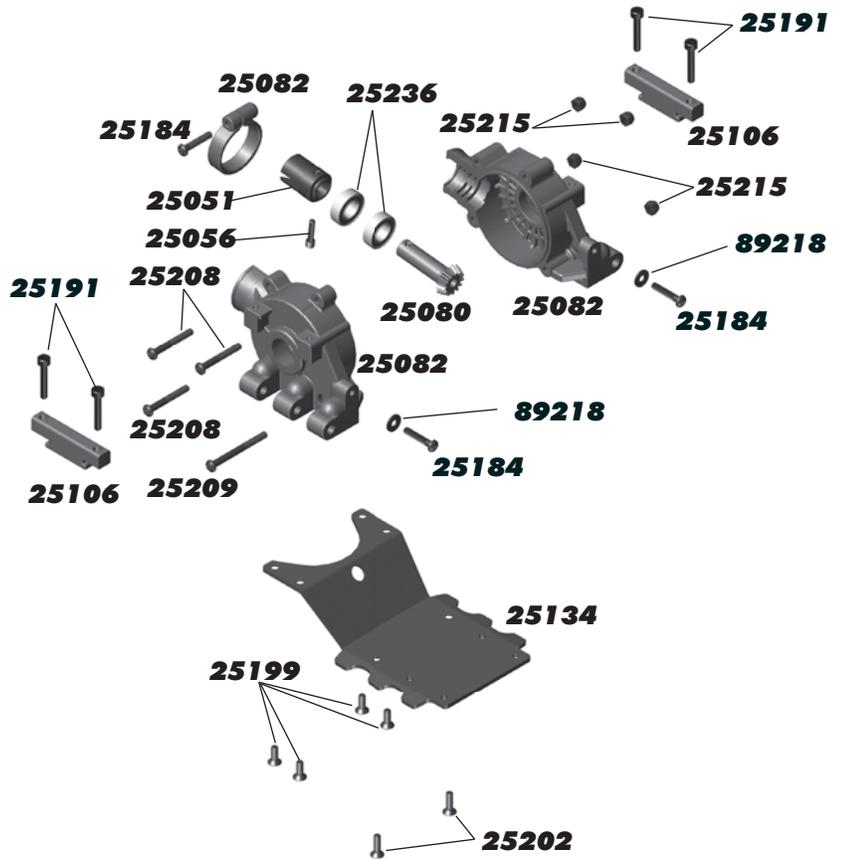
:: Front Suspension

25107	Upper Suspension Arm	2
25109	Lower Suspension Arm	2
25110	Upper & Lower Arm Hinge Pins	8
25112	Steering Block/Hub Carrier	Pr.
25113	Pivot Balls	4
25116	Axle Bearing Spacers	4
25184	M3 x 16mm BHPS	20
25215	M3 Locknut	20
25225	3mm x 3mm Allen Set Screw	20
25238	Bearing, 6 x 12 x 4	2
25654	M3 x 18 BHPS	20
25698	Universal Rebuild Kit	1
25768	RIVAL-MT CVA	2
25769	RIVAL-MT Wheel Hexes	4
89218	3 X 8mm Washer	10
89405	Nyloc Wheel Nuts, silver	4



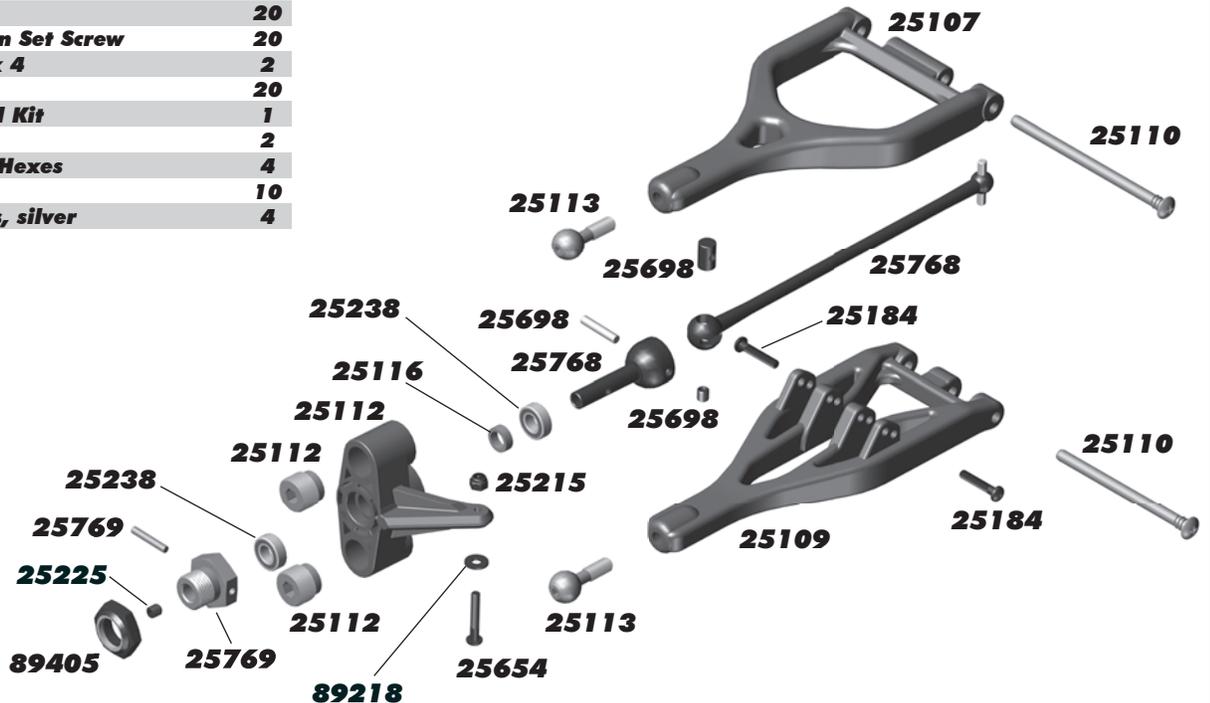
:: Rear Gearbox

25051	Front / Rear Drive Input Cup w/ Set Screws	1
25056	Drive Cup Set Screws	4
25080	Differential Pinion Gear & Shaft	1
25082	Front/Rear Transmission Case with screws	1
25106	Front & Rear Transmission Chassis Mounts	1
25134	Rear Skid Plate	1
25184	M3 x 16mm BHPS	20
25191	M3 x 18mm SHCS	20
25199	M3 x 8mm FHPS	20
25202	M3 x 10mm FHCS	20
25208	M3 x 23mm BHPS	20
25209	M3 x 32mm BHPS	20
25215	M3 Locknut	20
25236	Bearing, 8 x 16 x 5	2
89218	3 X 8mm Washer	10



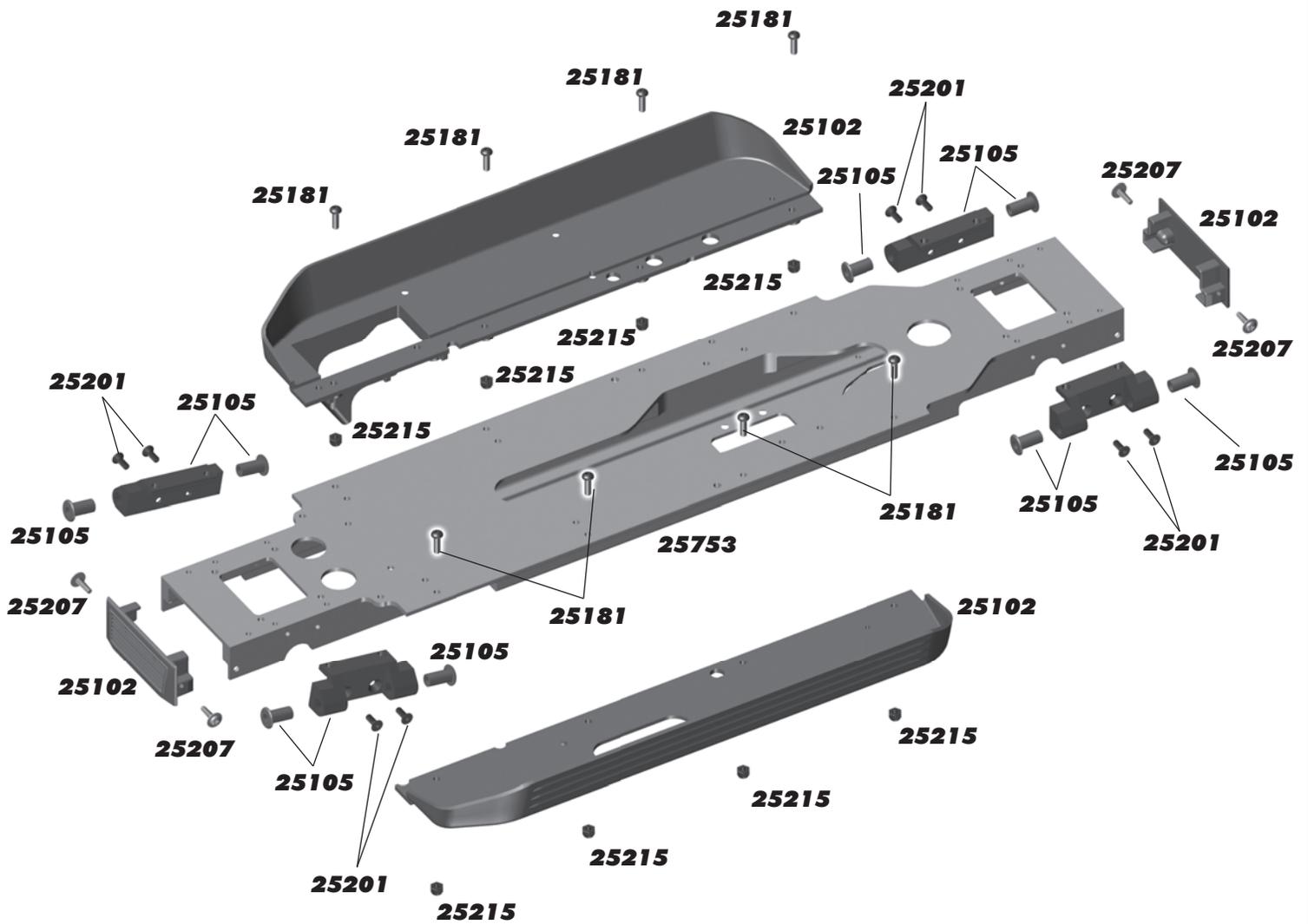
:: Rear Suspension

25107	Upper Suspension Arm	2
25109	Lower Suspension Arm	2
25110	Upper & Lower Arm Hinge Pins	8
25112	Steering Block/Hub Carrier	Pr.
25113	Pivot Balls	4
25116	Axle Bearing Spacers	4
25184	M3 x 16mm BHPS	20
25215	M3 Locknut	20
25225	3mm x 3mm Allen Set Screw	20
25238	Bearing, 6 x 12 x 4	2
25654	M3 x 18 BHPS	20
25698	Universal Rebuild Kit	1
25768	RIVAL-MT CVA	2
25769	RIVAL-MT Wheel Hexes	4
89218	3 X 8mm Washer	10
89405	Nyloc Wheel Nuts, silver	4



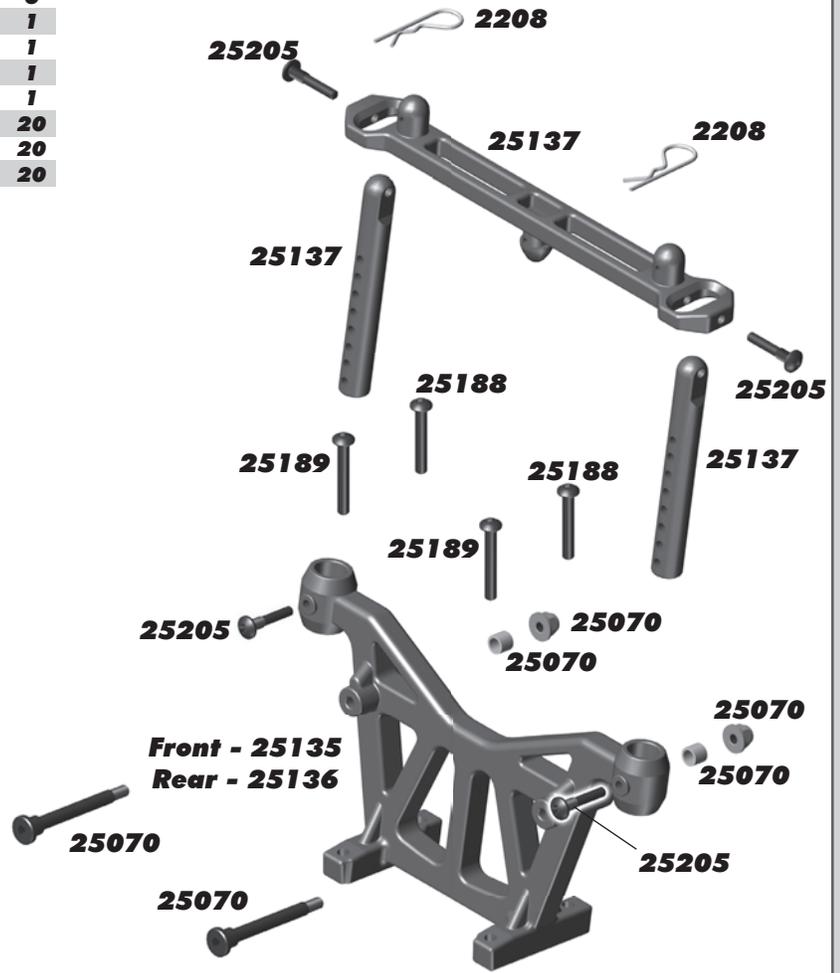
:: Front Bumper and Chassis

25102	Chassis Guards (L&R) and End Covers (2)	1
25105	Front & Rear Upper Arm Mounts	2
25181	M3 x 10mm BHPS	20
25201	M3 x 8mm FHCS	20
25207	M3 x 10mm BHPTS	20
25215	M3 Locknut	20
25753	RIVAL-MT Chassis	1



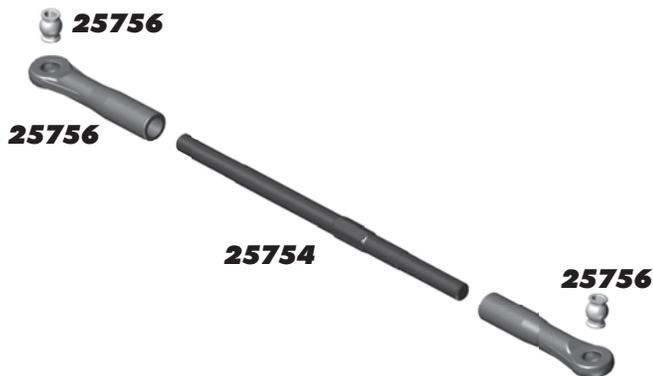
:: Front and Rear Shock Towers

2208	Large Hood Pins	6
25070	Shock Mounting Hardware	1
25135	Front Shock Tower	1
25136	Rear Shock Tower	1
25137	Pivoting Body Mounts (2) & Posts (4)	1
25188	M3 x 20mm BHCS	20
25189	M3 x 22mm BHCS	20
25205	Body Post Mounting Screws	20



:: Turnbuckles

25754	RIVAL-MT Turnbuckle Set (8 Ball Joints & eyelets, 2 104mm TB, 2 118mm TB)	1
25756	RIVAL-MT Turnbuckle Eyelets (8 Ball Joints & eyelets)	1



:: Lubes & Adhesives / Decals / Misc.

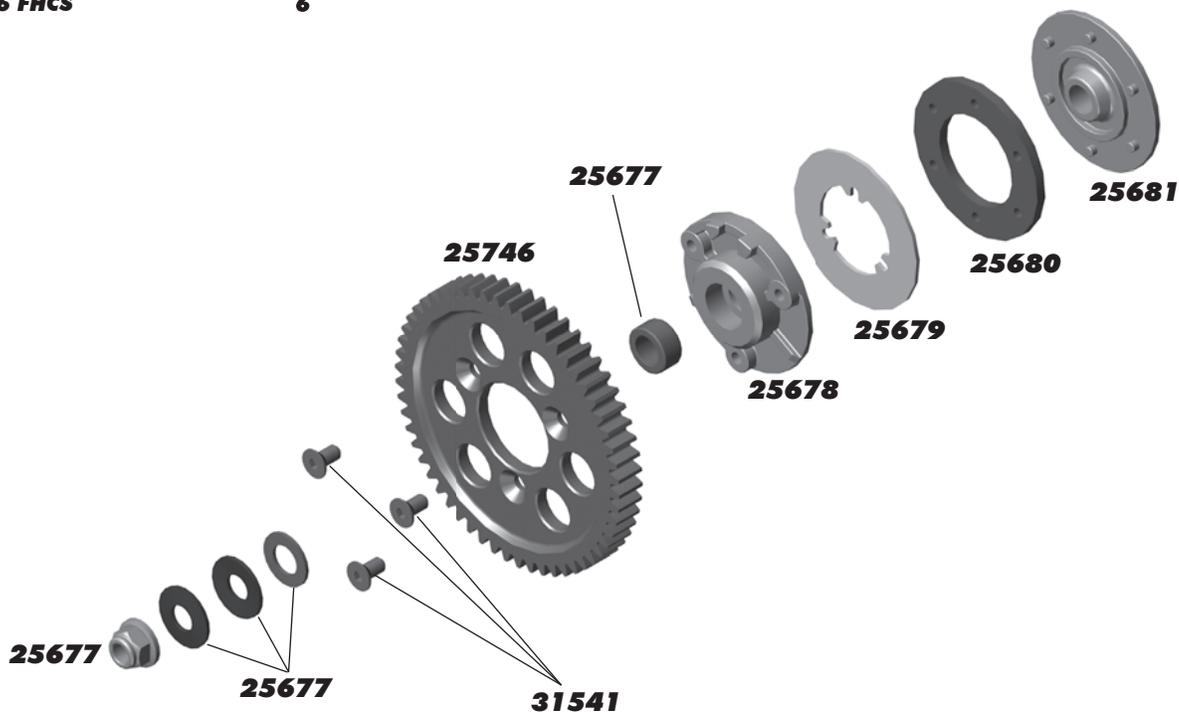
1105	FT Green Slime Shock Lube	1
1596	FT Locking Adhesive	1
1597	FT Tire Adhesive, Medium	1
5450	Silicone Diff Fluid 1000cst	1
5451	Silicone Diff Fluid 2000cst	1
5452	Silicone Diff Fluid 3000cst	1
5453	Silicone Diff Fluid 5000cst	1
5454	Silicone Diff Fluid 7000cst	1
5455	Silicone Diff Fluid 10000cst	1
5456	Silicone Diff Fluid 20000cst	1
5457	Silicone Diff Fluid 30000cst	1
5458	Silicone Diff Fluid 60000cst	1
5459	Silicone Diff Fluid 100000cst	1
6588	Black Grease - 4cc	1
6591	S.Diff Lube - 4cc	1
6636	Silicone Grease - 4cc	1
6727	Servo Tape	2
716	Reedy 2009 Sticker Set	1
3816	American Bumper Sticker	1
3820	AE Logo Decal Sheet	1
3834	AE Blue Embossed Logo Sticker	2



1596

:: Slipper, Spur Gear, Pinion, and Drive Shaft

25677	Slipper Hardware	1
25678	Spur Gear Hub	1
25679	Slipper Friction Ring	1
25680	Slipper Pad	2
25681	Slipper Hub	1
25746	RIVAL-MT Spur Gear (56T) - Kit	1
31541	M3 x 0.5 x 6 FHCS	6



:: Wheels / Tires

25766	RIVAL-MT Tire & Insert	2
25767	RIVAL-MT Beadlock Wheel	2
25770	RIVAL-MT Wheel/Tire Pre-Mounted	2



:: Body / Decals

25758	Rival MT Body - Painted	1
25759	Rival MT Body - Clear	1
25765	Rival MT Decal Sheet	1

:: Factory Team and Option Parts

25062	MGT Blue Spring, Soft [4.40lb]	4
25063	MGT Gold Spring, Medium [5.10lb]	4
25064	MGT Red Spring, Firm [5.95lb]	4
25065	MGT Copper Spring, Extra Firm [6.90lb]	4
25139	Rear Clip and Flag Mount	1
25140	Rear AE Flag and Post	1
25381	FT Blue Steering Turnbuckle, Titanium	1
25382	FT Blue Rear Turnbuckle, Titanium	1
25383	FT Monster GT Turnbuckle Set, Titanium	1
25390	5mm Blue Aluminum Locknut	10
25391	4mm Blue Aluminum Locknut	10
25392	3mm Blue Aluminum Locknut	10
25395	MGT Aluminum Steering Kit	1
25396	MGT Aluminum Steering Rack and Arm	1
25397	MGT Aluminum Servo Saver Hub and Spring	1
25398	MGT Aluminum Steering Hardware Set	1
25403	MGT Blue Aluminum Shock Bodies	4
25404	MGT Blue Aluminum Shock Caps w/ Bladders	4
25725	FT Steering Bushing	4
25726	FT Shock Bottoms	4
25727	FT Aluminum Shock Set, Builds 2 Shocks	1
25728	FT Blue Wheel Hex	4

:: XP Electronics

29142	XP ESC Fan Option	1
29146	XP SC1300-DB Brushless Dual-Battery ESC	1
29166	XP DS1313 Digital Servo	1
29167	XP DS1015 Digital Servo	1
29168	XP DS1510MG Digital Servo	1
29209	Gear Set, DS1313	1
29210	Gear Set, DS1015	1
29211	Servo Case, DS1313/DS1015	1
29212	Accessory Pack, DS1313/DS1015	1
29214	TRS403-SSi 2.4GHz 4Ch Receiver	1
29215	XP2G 2.4GHz Radio System	1
29216	XP3G 2.4GHz Radio System	1

:: LRP Chargers, Power Supply, Balancer

LRP41281	Quadra Pro 2 Charger	1
LRP41555	Pulsar Touch Competition Charger	1
LRP42103	LiPo Balance Board XH	1
LRP42104	LiPo Balance Board FP/TP	1
LRP42105	LiPo Balance Board PQ	1
LRP42305	Pulsar Touch Temperature Sensor	1
LRP42306	Pulsar Touch Sensor Wire Splitter	1
LRP43200	LRP Competition 20A Power Supply	1
LRP45050	LRP 2in1 LiPo Guard + BEC	1
LRP45200	LiPo Parallel Balancer	1
LRP65800	High Power Solder Station	1
LRP65802	Soldering Tip 5mm	1
LRP65803	Soldering Tip 1.2mm	1
LRP65804	Soldering Handle	1
LRP81801	LRP Speedo Updater Spec 2	1

:: Reedy Accessories / Motor

604	526-S AC/DC 2S-6S LiPo/LiFe Charger	1
609	TAM to DEANS® charge adapter	1
610	447-S AC/DC NiMH Peak Charger	1
654	4.0mm plugs (2M, 2F)	1
655	4.0mm plugs (2M, 10F)	1
656	4.0mm plugs (10F)	1
658	4.0mm plugs (10M)	1
659	4.0mm plugs (30M)	1
716	Reedy 09 Decal Set	1
929	1515-SL Brushless Motor 2000kV	1

:: Reedy Batteries

302	AA Alkaline 1.5V (4)	1
303	AA 2700mAh NiMH 1.2V Rechargeable (4)	1
724	Wolfpack 3000mAh 8.4V w/DEANS® connector	1
725	Wolfpack 3600mAh 8.4V w/DEANS® connector	1
730	Wolfpack LiPo 3000mAh 7.4V 25C w/DEANS®	1
731	Wolfpack LiPo 3300mAh 7.4V 35C w/DEANS®	1
732	Wolfpack LiPo 3400mAh 7.4V 35C w/DEANS®	1
734	Wolfpack LiPo 6500mAh 7.4V 25C w/DEANS®	1

:: Qualifier Series Vehicles

7052	Pro Lite 4x4 RTR, 1/10 Scale (ready-to-run)	1
20510	RIVAL Electric Monster Truck RTR, 1/8 Scale (ready-to-run)	1
30112	APEX Touring V-Type, 1/10 Scale (ready-to-run)	1

:: 1/18 Kits and RTR's

20103	RC18B2 - RC18T2 Team Kit	1
20121	SC18 RTR Brushless (ready-to-run)	1

:: 1/12, 1/10 Kits and RTR's

2042	Nitro TC3 RTR Plus (ready-to-run)	1
4020	FT 12R5.2 Kit	1
7025	RC10T4.2 FT Kit	1
7029	SC10 Associated/RC10.com Truck RTR (ready-to-run)	1
7030	SC10 KMC Wheels Race Truck RTR (ready-to-run)	1
7037	RC10T4.1 RTR 2.4GHz Brushless (ready-to-run)	1
7038	SC10.2 FT Kit	1
7046	SC10 RS RTR, Lucas Oil (ready-to-run)	1
7047	SC10 RS RTR, Monster Energy (ready-to-run)	1
7048	SC10 RS RTR, Pro Comp (ready-to-run)	1
7049	SC10 RS RTR, Rockstar/Makita (ready-to-run)	1
7050	SC10 RS RTR, Hart and Huntington (ready-to-run)	1
7092	GT2 RS Truck Nitro RTR (ready-to-run)	1
7093	SC10GT RTR (ready-to-run)	1
8020	FT RC10R5 Kit	1
8022	FT RC10R5.1 Kit	1
9039	RC10B4.1 RTR 2.4GHz Brushless (ready-to-run)	1
9040	FT RC10B4.1 Worlds Kit	1
9041	FT RC10B4.2 Kit	1
9050	SC10B RS RTR (ready-to-run)	1
9062	FT B44.2 4WD Buggy Kit	1
30101	TC4 Club Racer 4WD Touring Car Race Roller	1
30108	FT TC6.1 WC 4WD Touring Car Kit	1
90004	SC10 4x4 Kit	1
90005	SC10 4x4 Lucas Oil RTR (ready-to-run)	1
90006	SC10 4x4 Pro Comp RTR (ready-to-run)	1
90007	SC10 4x4 Rockstar/Makita RTR (ready-to-run)	1
90010	SC10 4x4 FT Kit	1

:: Hardware - 1:1 Scale View

Cap Head (shcs)

	3x10mm (25620)
	3x12mm w/hole (31427)
	3x14mm (25190)
	3x18mm (25191)
	4x12mm (31426)

Shims and Washers

	Nylon Washer .030 (4187)
	3x6mm Washer (7164)
	3x8mm Thin Washer (89218)
	4mm Hex Drive Washer (31428)
	4mm Lock Washer (31429)
	6x12mm Washer (7165)

Setscrew

	3x3mm (25225)
	3x16mm (4689)
	4x3mm (25223)
	4x4mm (7732)
	4x10mm (31449)

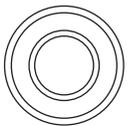
Nuts (lock/plain)

	M3 Locknut (25215)
	M3 Alum. Locknut, Blue (31550)
	M4 Locknut w/Flange & Knurl (91148)
	FT M4 Locknuts w/Flange, Blue (31551)

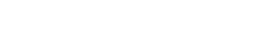
Flat Head (fhcs)

	2.5x6mm (4675)
	2.5x8mm (31448)
	2.5x10mm (31350)
	3x6mm (31541)
	3x8mm (25201)
	3x8mm FHPS (25199)
	3x10mm (25202)
	3x12mm (25203)
	3x14mm (89208)
	3x16mm (25204)
	3x18mm (89209)
	3x22mm (89455)

Ball Bearings

	6x12x4mm (25238)
	8x16x5mm (25236)

Button Head (bhcs)

	2.5x6mm (31520)
	3x4mm (91158)
	3x6mm (31531)
	3x6mm BHPS (25613)
	3x8mm (31532)
	3x8mm BHPS (25180)
	3x10mm (25211)
	3x10mm BHPS (25181)
	3x10mm BHPTS (25207)
	3x12mm (89202)
	3x12mm BHPS (25182)
	3x14mm (25187)
	3x14mm BHPS (25183)
	3x16mm (89203)
	3x16mm BHPS (25184)
	3x18mm (2308)
	3x18mm BHPS (25654)
	3x20mm (25188)
	3x20mm BHPS (25185)
	3x22mm (25189)
	3x22mm BHPS (25208)
	3x24mm (89204)
	3x26mm (89205)
	3x32mm BHPS (25209)

:: 1/8 Kits and RTR's

20501	MGT 4.60 SE RTR (ready-to-run)	1
20502	MGT 8.0 Nitro RTR (ready-to-run)	1
20503	Limited Edition MGT 4.60 Nitro RTR, w/flag body (ready-to-run)	1
20504	Limited Edition MGT 8.0 Nitro RTR, w/flag body (ready-to-run)	1
80905	RC8RS "Race Spec" Nitro Buggy RTR (ready-to-run)	1
80906	RC8.2 Nitro Buggy FT Kit	1
80907	RC8.2e Electric Buggy FT Kit	1
80908	RC8.2e Electric Buggy RTR (ready-to-run)	1
80912	RC8T Championship Edition	1
80933	SC8.2e Short Course Race Truck, Rockstar/Makita Electric RTR (ready-to-run)	1
80934	SC8.2e Short Course Race Truck, Slick Mist Electric RTR (ready-to-run)	1

:: Tools

1449	FT Off Road Ride Height Gauge	1
1541	FT Hex Driver Set, (7 pcs)	1
1542	FT .050" Silver Hex Driver	1
1543	FT 1/16" Black Hex Driver	1
1544	FT 1.5mm Purple Hex Driver	1
1545	FT 5/64" Blue Hex Driver	1
1546	FT 3/32" Gold Hex Driver	1
1547	FT 2.5mm Green Hex Driver	1
1548	FT 3mm Red Hex Driver	1
1551	FT Screwdriver Set	1
1553	FT Phillips Silver Screwdriver	1
1554	FT Silver Spring Hook Tool	1
1561	FT Nut Driver Set, (6 pcs)	1
1562	FT 3/16" Black Nut Driver	1
1563	FT 1/4" Red Nut Driver	1
1564	FT 5.5mm Red Nut Driver	1
1565	FT 11/32" Green Nut Driver	1
1567	FT 8mm Gold Nut Driver	1
1589	FT 5/64" Blue Ball Hex Driver	1
1590	FT 3/32" Gold Ball Hex Driver	1
1592	FT Ball Hex Driver Set, (3 pcs)	1
1655	FT 8-Piece 1/4" Hex Drive Set	1
1656	FT 1/4" Hex Drive Handle, without tips	1
1657	FT 1/4" Hex Drive .050" Tip	1
1658	FT 1/4" Hex Drive 1/16" Tip	1
1659	FT 1/4" Hex Drive 5/64" - 2.0mm Tip	1
1660	FT 1/4" Hex Drive 3/32" Tip	1
1661	FT 1/4" Hex Drive 1.5mm Tip	1
1662	FT 1/4" Hex Drive 2.5mm Tip	1
1663	FT 1/4" Hex Drive 3/16" Nut Driver Tip	1
1664	FT 1/4" Hex Drive 1/4" Nut Driver Tip	1
1665	FT 1/4" Hex Drive 11/32" Nut Driver Tip	1
1666	FT 1/4" Hex Drive 5.5mm Nut Driver Tip	1
1667	FT 1/4" Hex Drive 7.0mm Nut Driver Tip	1
1668	FT 1/4" Hex Drive 8.0mm Nut Driver Tip	1
1669	FT 1/4" Hex Drive 5/64" - 2.0mm Ball End Tip	1
1670	FT 1/4" Hex Drive 3/32" Ball End Tip	1
1671	FT 1/4" Hex Drive Standard Screwdriver Tip	1
1672	FT 1/4" Hex Drive Phillips Screwdriver Tip	1
1673	FT 1/4" Hex Drive 2.5mm Ball End Tip	1
1674	FT 1/4" 5 Piece Power Tool Tips Set (5/64-2.0mm, 1.5mm, 2.5mm, 5/64"- 2.0mm ball, 2.5mm ball)	1
1719	FT Camber + Track Width Tool	1
1737	FT Body Scissors	1
3718	12 Inch Nylon Wire Ties	12
3719	6 Inch Nylon Wire Ties	12
3720	8 Inch Nylon Wire Ties	12
6429	Shock Building Tool	1
7709	4 Inch Nylon Wire Ties	12
89240	FT RC8 Turnbuckle Wrench	1

:: Apparel

SP35**	Reedy 09' White T-Shirt (L, XL, 2XL)	1
SP36**	Reedy 09' Black T-Shirt (M, L, XL, 2XL, 3XL)	1
SP37**	Reedy 2012 T-shirt - Black (S, M, L, XL, 2XL, 3XL)	1
SP38	Reedy Trucker Hat	1
SP39	Reedy Patch	1
SP66**	Stencil Blue T-Shirt (S, M, L, XL, 2-6XL)	1
SP67**	AE Stencil Gray Sweatshirt (S, M, L, XL, 2XL, 3XL)	1
SP68**	AE Stencil Blue T-Shirt (M, L, XL)	1
SP69**	AE 26 Time World Championship T-Shirt, Black (S, M, L, XL, 2XL, 3XL)	1
SP70**	Associated Windbreaker (S, M, L, XL, 3XL)	1
SP71**	Associated Winter Jacket (S, M, L, XL, 2XL)	1
SP73**	AE Long Sleeve T-Shirt (S, M, L, XL, 2XL)	1
SP74**	AE White T-Shirt (S, M, L, XL, 2XL, 3XL, 4XL)	1
SP75**	AE Blue T-Shirt (S, M, L, XL, 2-6XL)	1
SP76**	AE Black T-Shirt (S, M, L, XL, 2XL, 3XL, 4XL)	1
SP77**	AE 2012 T-Shirt, Blue (S, M, L, XL, 2XL, 3XL)	1
SP78**	AE 2012 T-Shirt, White (S, M, L, XL, 2XL, 3XL)	1
SP79**	AE 2012 T-Shirt, Black (S, M, L, XL, 2XL, 3XL)	1
SP84**	Reedy 3D T-Shirt, Black (S, M, L, XL, 2XL, 3XL)	1
SP85**	Reedy Zip Hoodie, Black (S, M, L, XL, 2XL, 3XL)	1
SP86**	Reedy Girl's 3D T-Shirt, Black (S, M, L, XL)	1
SP102	Outer & Inner Boxes, for #SP-416	1
SP103	Inner Boxes only, for #SP416	1
SP411S	AE Hat 11' Flat Bill Black S/M	1
SP411L	AE Hat 11' Flat Bill Black L/XL	1
SP413S	26 Time World Championship Hat S/M	1
SP413L	26 Time World Championship Hat L/XL	1
SP416	Associated Car Carrier Bag, Medium	1
SP417	1/10 FT Motor Bag	1
SP418	Factory Team 1/10 Car Carrier Bag	1
SP420**	AE Pit Gloves (M, L, XL)	Pr.
SP421S	AE 2012 Hat, Black, Flat Bill, S/M	1
SP421L	AE 2012 Hat, Black, Flat Bill, L/XL	1
SP422S	AE 2012 Hat, Black, Curved Bill, S/M	1
SP422L	AE 2012 Hat, Black, Curved Bill, L/XL	1
SP423S	AE 2012 Hat, White, Flat Bill, S/M	1
SP423L	AE 2012 Hat, White, Flat Bill, L/XL	1
SP424S	AE 2012 Hat, White, Curved Bill, S/M	1
SP424L	AE 2012 Hat, White, Curved Bill, L/XL	1
715	Reedy 2009 Track Banner	1
110684	Team Associated Track Banner	1

** Use part number plus the desired size when ordering!

:: RePlay Cameras

RP001	Replay XD1080 Complete Camera System	1
RP002	Replay XD720 Complete Camera System	1
RP021	Replay XD1080 Lens Bezel Camera	1
RP022	Replay XD1080 Clear Lens Cover	1
RP023	Replay XD1080 Lens Bezel & Rear Cap O-Ring	1
RP029	Replay XD1080 HDMI to Mini-HDMI	1
RP030	Replay XD1080 Mini 8-pin USB Charge Data Cable	1
RP032	USB DC Car Charger 1A Stubby	1
RP033	USB DC Car Charger 500mAh	1
RP034	Micro SDHC USB Reader	1
RP036	3M VHB 4991 Mount Adhesive for SnapTray	1
RP037	3M VHB 5962 Mount Adhesive for Pro Flat Mount	1
RP038	3M VHB 5962 Mount Adhesive for SnapTray	1
RP041	Replay XD Suction Cup Arm Mini Clamp	1
RP042	Replay XD Suction Cup Short Arm Base	1
RP043	Replay XD Skateboard Mount	1
RP044	Replay XD VHB SnapTray, Convex	1
RP045	Replay XD VHB SnapTray, Flat	1
RP046	Au Plug for Universal DC Wall Charger	1
RP047	Eu Plug for Universal DC Wall Charger	1
RP048	Uk Plug for Universal DC Wall Charger	1
RP049	Universal USB DC Wall Charger 1A	1

:: Trouble Shooting

Description	Problem	Solution
No Power	Battery is discharged..... Battery not plugged in..... No light on speed control.... Receiver LED remains red.	Charge battery. Plug in battery. Reset speed control using your instruction manual. Re-bind transmitter to the receiver.
No Throttle	Motor not plugged in..... Speed control out of adjustment. Motor failure.....	Plug in motor. Reset speed control using your instruction manual. Replace motor.
No Steering	Servo not plugged in..... Locked up steering linkage. Servo failure.....	Plug servo in. Free up steering linkage. Replace servo.
Throttle	Goes backwards when you pull the trigger, or forward when pushing brakes / reverse.	Switch any two motor wires. Check throttle reversing switches on transmitter. Reset speed control.
Steering	Goes right when turning..... the wheel left (or left when turned right.)	Check steering reversing switches on transmitter.
Vehicle is glitching	Vehicle has a problem on.... power:	Check for loose wires or check for or dead radio batteries. Radio interference.
Reverse	No reverse or brakes.....	Check that reverse mode has not been turned off. Refer to speed control instructions. Reset speed control, or send in for repair.
Vehicle dies or slows	Speed control overheats.... Motor overheats..... Gear mesh set too tight..... LiPo mode engages.....	Let speed control cool off. Check gear, gear mesh, or bind in driveline. Let motor cool and check recommended gearing for motor type. Reset gear mesh (see instruction manual). LiPo mode on the ESC has engaged, recharge your batteries. (If running NiMH battery, turn off LiPo mode)