

1:10 Scale 4WD Electric Off Road Monster Truck RTR Manual & Catalog





:: Introduction

Thank you for purchasing this Team Associated product. This assembly manual contains instructions and tips for building and maintaining your new vehicle. Please take a moment to read through the manual and familiarize yourself with the steps. We are continually changing and improving our designs; therefore, actual parts may appear slightly different than the illustrations. New parts will be noted on supplementary sheets located in the appropriate parts bags. Check each bag for these sheets before you start to build.

:: Rival MT10 RTR Features

- 2.4GHz 2-channel radio system
- High-Torque Digital Servo with spring-style servo saver
- Powerful Reedy 3300kV Brushless Motor
- · Water-resistant high-power Reedy brushless speed control with T-plug connector and LiPo low-voltage cutoff
- Three sealed gear differentials
- 12mm hex wheels inspired by Method Race Wheels
- Threaded Oil-filled coil over shock absorbers
- 4mm heavy-duty adjustable steel turnbuckles
- Durable slider type drive shafts
- Factory-finished RIVAL monster truck-inspired style body
- High-traction all terrain tires
- Steel center drive shaft
- Rugged adjustable wheelie bar with LEDs
- Four-wheel independent suspension
- Durable, impact-absorbing front bumper with LEDs

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:: Notes



There is a 1:1 hardware foldout page in the front 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.



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

:: Additional

Your new Rival MT10 comes assembled. The following items are needed for completion.

- 6-cell NiMh or 2-3s LiPo battery
- Suitable battery charger
- (4) AA batteries

Tools included: • 1.5mm, 2.0mm, 2.5mm Wrenches

:: Other Helpful Items

- Silicone Shock Fluid (Refer to catalog for complete listings)
- Silicone Diff Fluid (Refer to catalog for complete listings)

- Body Scissors (AE Part # 1737)
- Reamer / Hole Punch (#1499) Shock Pliers (#1675)
- Wire Cutters

- FT Hex/Nut Wrenches (AE Part # 1650) Needle Nose Pliers
 - Needle Nose Pliers Hobby Knife

• Soldering Iron

- Calipers or a Precision Ruler
- Green Slime shock lube (AE Part # 1105)
- FT Turnbuckle Wrench (#1114)
- FT Universal Tire Balancer (#1498)

Associated Electrics, Inc. 21062 Bake Pkwy. Lake Forest, CA 92630



Customer Service Tel: 949.544.7500 Fax: 949.544.7501

:: Hardware - 1:1 Scale View

:: Hardware =	1:1 Scale View				
Button Head (b	hcs)	Flat Head (fho	s)	Ball Bearing	JS
	2.5x5mm (31519)		2.5x8mm (31448)		5x8x2.5mm (31400)
	2.5x6mm (31520)		2.5×10mm (31350)		5x11x4mm (25710)
	3x4mm (91158)		3x6mm (31541)		3X11X4IIIII (23710)
	3x6mm (31531)		3x12mm (25203) Aluminum (8556)		10x15x4 (91563)
	3x8mm (31532)		Titanium (91594)		1001004 (31000)
	3x10mm (25211) Aluminum (8554) Titanium (91582)		3x14mm (89208) Aluminum (8567) Titanium (91595)		8x16x5 (91564)
	3x12mm (89202) Titanium (91583)		3x18mm (89209) Titanium (91597)		
	3x14mm (25187) Titanium (91584)		4x10mm (81262)		
	3x16mm (89203) Titanium (91585)	Set Screws			
	3x18mm (2308)		3x3mm (25225)	Nuts (lock/p	lain)
	3x20mm (25188)		3x12mm (81258)		Plain M3 Nut (91477)
	Titanium (91587)		4x12mm (25824)	M3 A	lum. Locknut, Blue (31550) M3 Locknut, Black (25215)
	3x22mm (25189) Titanium (91588)	Shims and Wa	shers		M4 Locknuts:
	3x38mm (25837)		5.5x0.5mm (31381)		rated Steel (Silver)(91826) T Aluminum (Blue) (31551)
			5.5x1.0mm (31382)		Aluminum (Black) (91738)
	4×10mm (89206)		5.5x2.0mm (31383)		
	4x14mm (81260)		3x8mm Washer (89218)	M5	Locknut w/Flange (25837)
		Socket Head (s	shcs)		
			2x10m	n (25801)	
		2.5x6mm (41079)			
		5x75mm (25837)			
Notes:					

:: Quick Start Guide

Battery Charging Steps and Safety:

Remove the battery from the vehicle before charging. Place battery on a fire resistant surface. Avoid any contact with water or other liquids. Be sure to select the correct charging mode for the type of battery you are charging.

ALWAYS use a compatible charger for charging your batteries.

Caution: Never leave the battery unattended while charging. Always disconnect the charger from the power source when finished charging.

Caution: Always disconnect the battery when you are finished driving the vehicle.

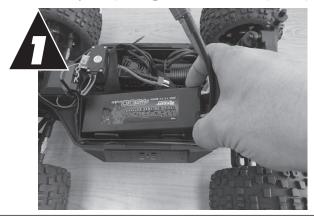


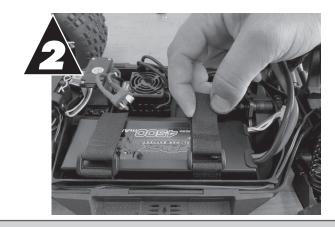
Peak Detection
Quick Charger

:: Quick Start Guide - (cont.)

Battery Installation:

- 1. Install the battery with the battery wires directed towards the rear of the vehicle.
- 2. Secure the battery strap using two hook and loop straps.





:: Quick Start Guide - (cont.)

Battery Notes and Tip:

Connect the battery as shown. Disconnect the battery when not in use!

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. These batteries require special care and handling. LiPo batteries are recommended for advanced users only! **ALWAYS** charge a LiPo battery in LiPo mode.



10/19

:: Quick Start Guide - (cont.)

Radio System Tuning and Controls:

RULE: Transmitter on First/Vehicle on Second, Vehicle off First/Transmitter off Last!

- 1) Slide the battery cover to remove cover.
- 2) Install 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.





:: Quick Start Guide - (cont.)

Radio System Tuning and Controls:

DO NOT hold the trigger when turning on the radio.

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



Pull trigger for Throttle

Throttle set to Neutral!

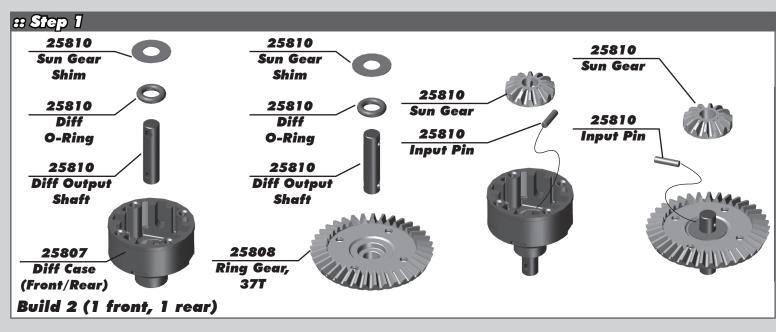
trim so front wheels point straight.

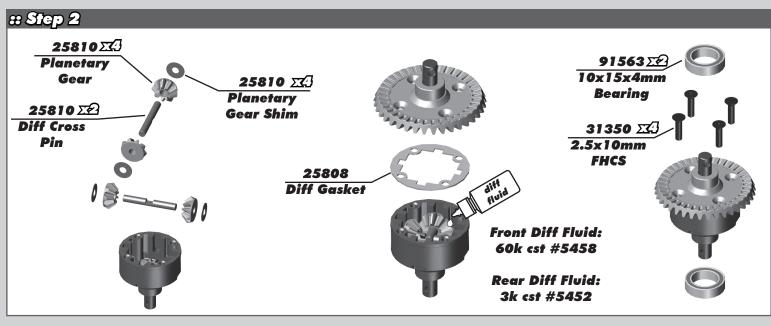


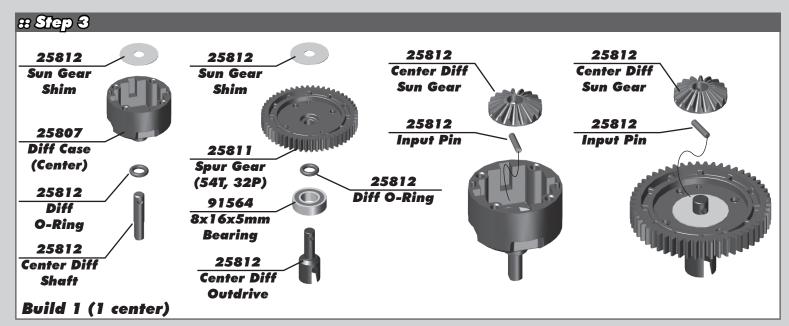


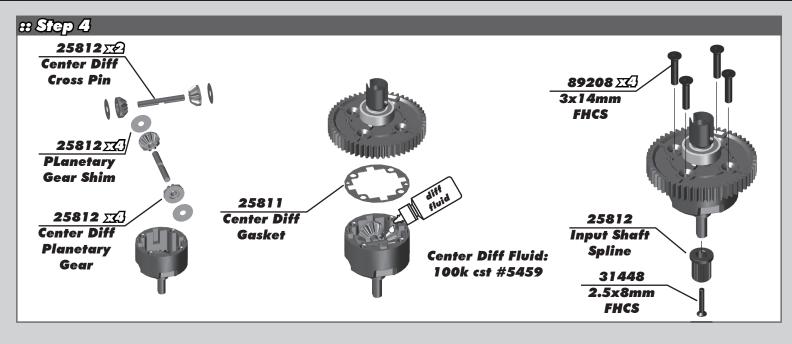
Install body and body clips.

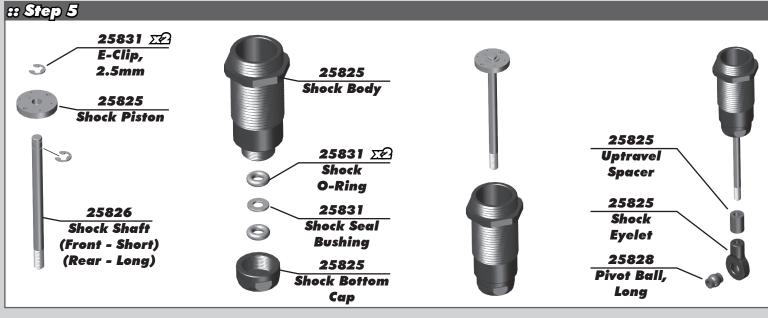
Ready to go!

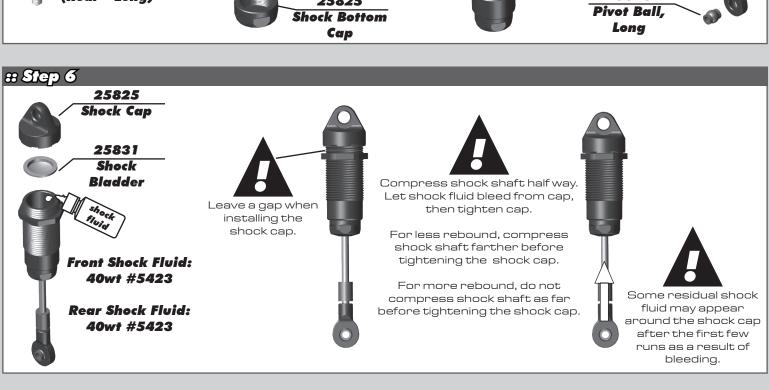




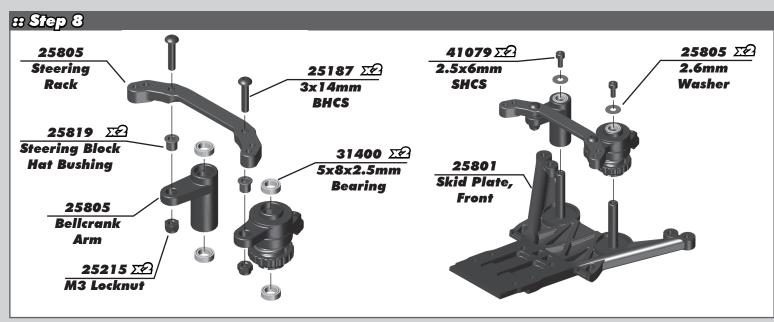


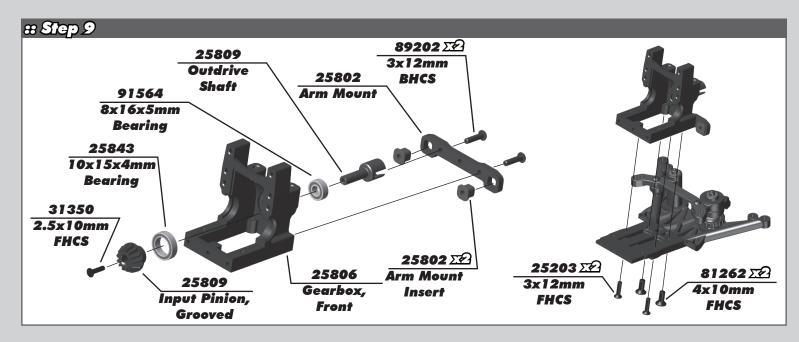


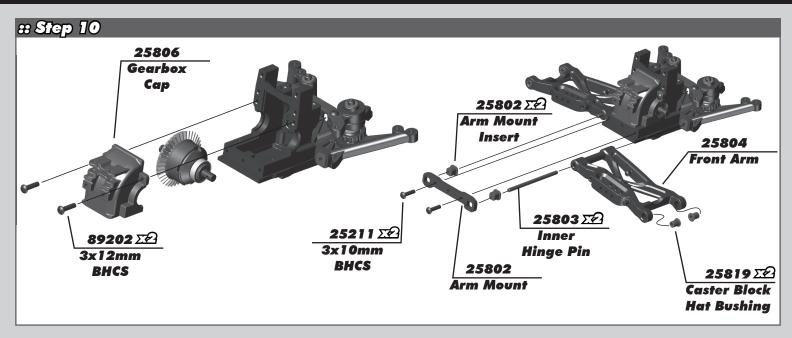


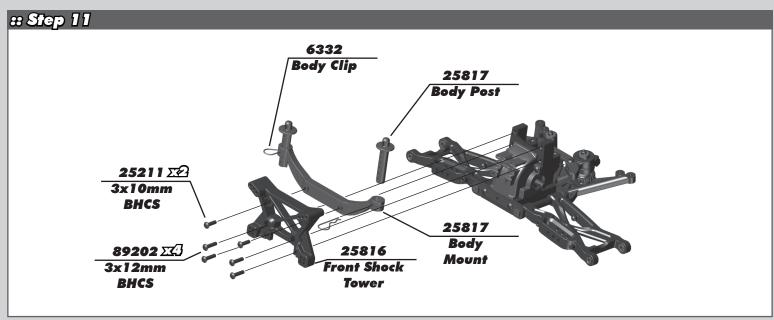


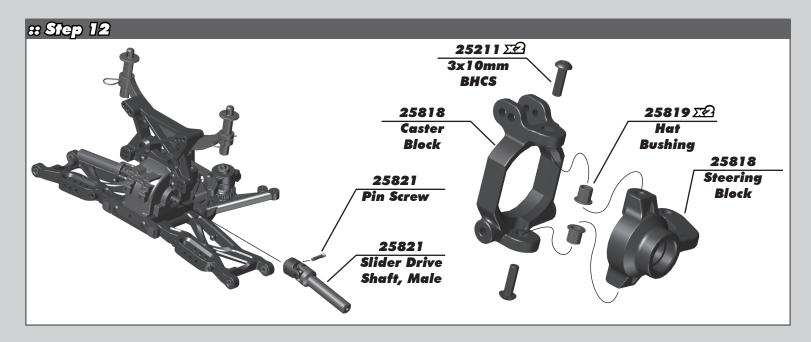


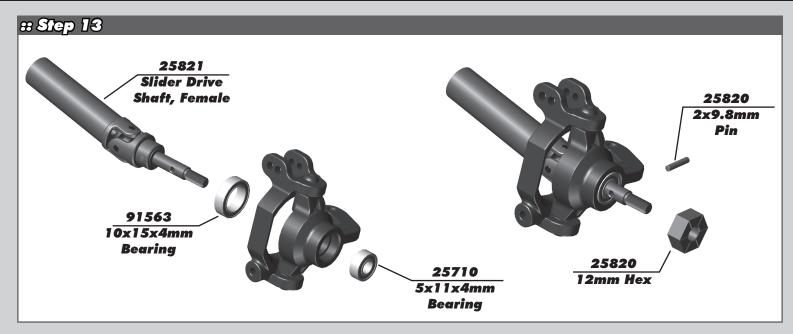


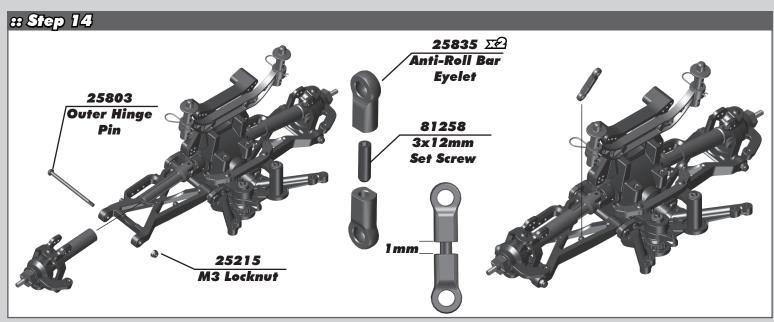


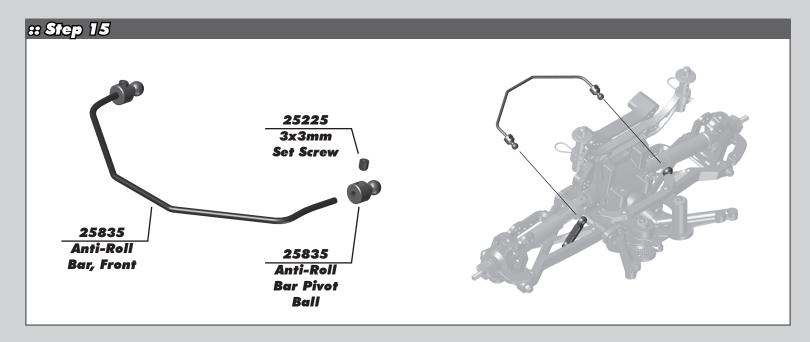


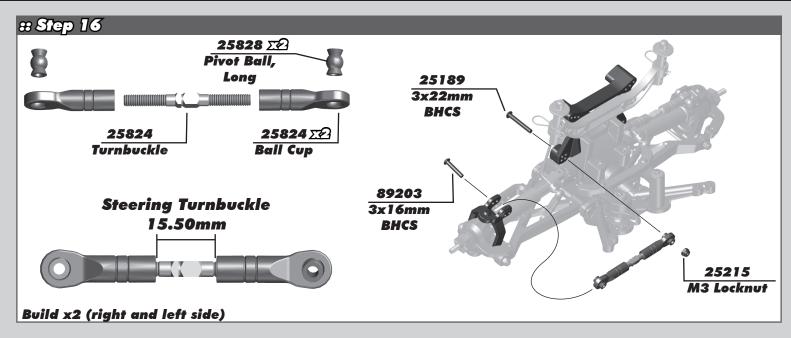


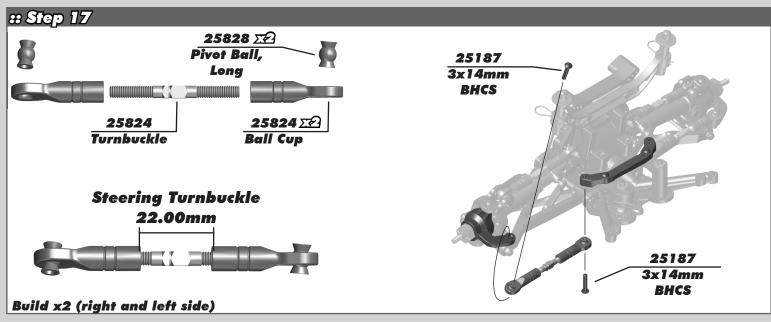


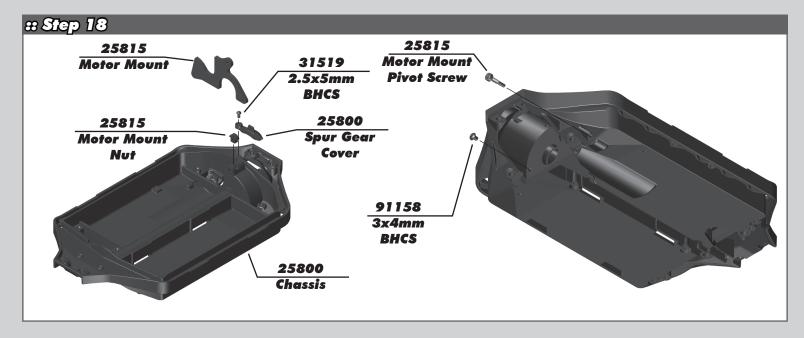


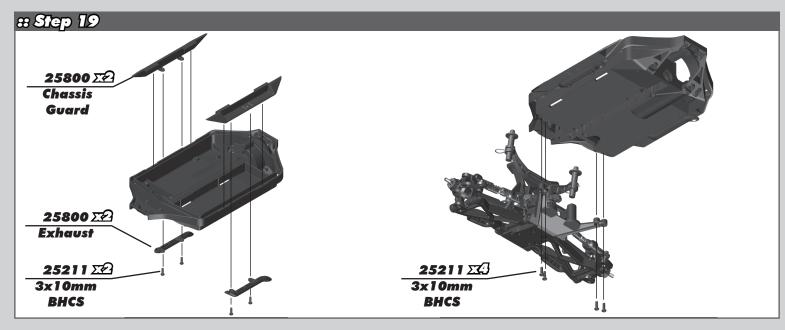


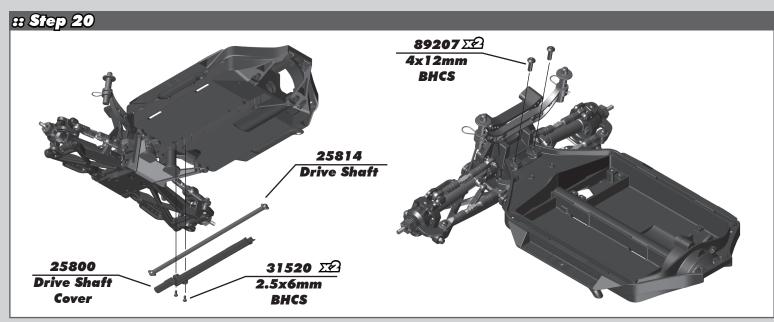


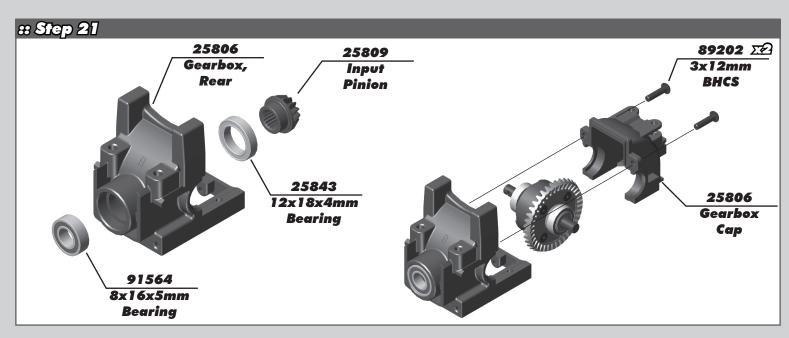


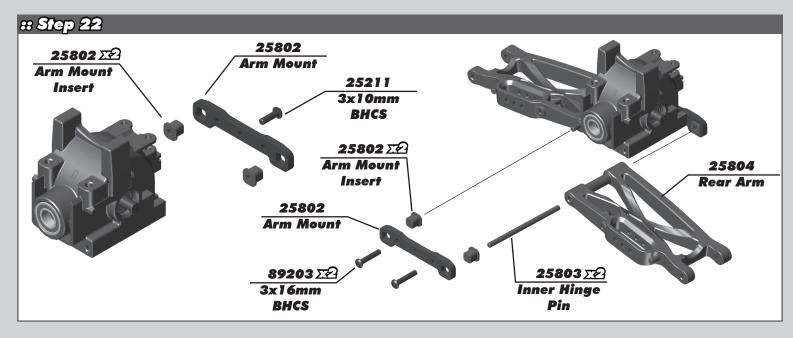


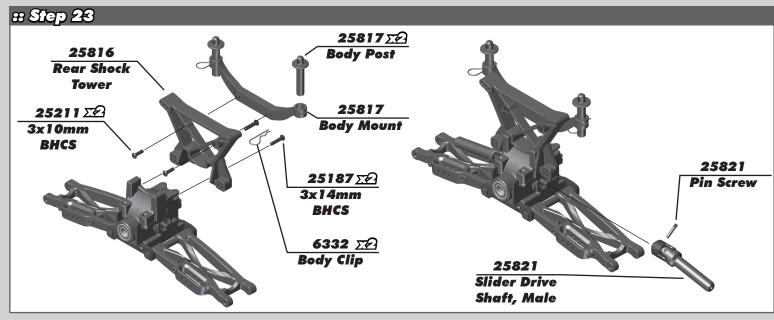


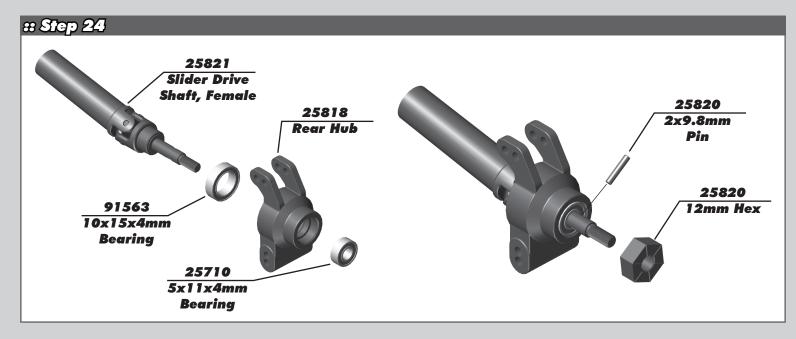


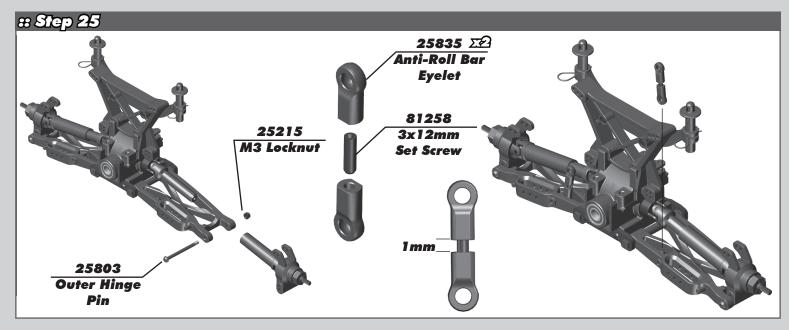


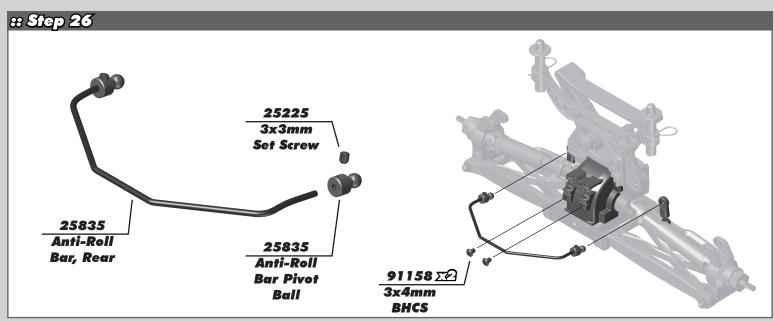


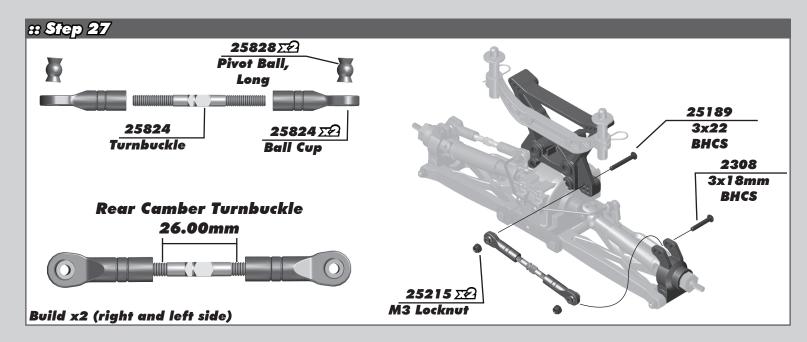


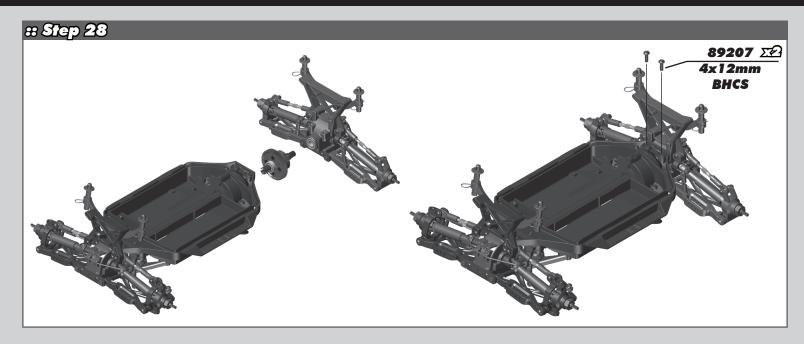


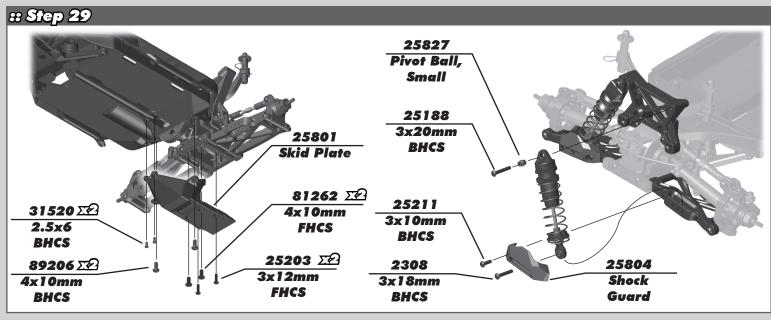


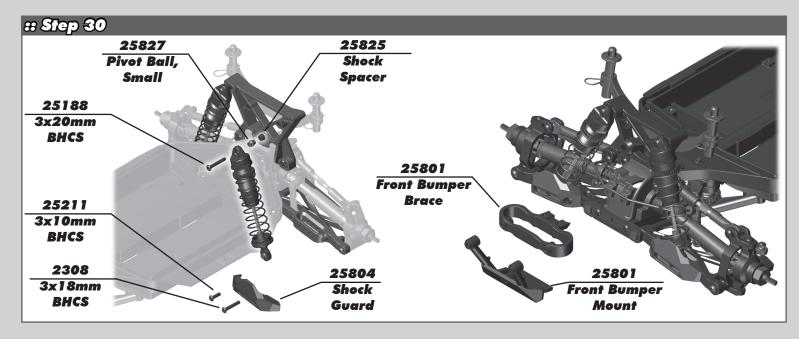


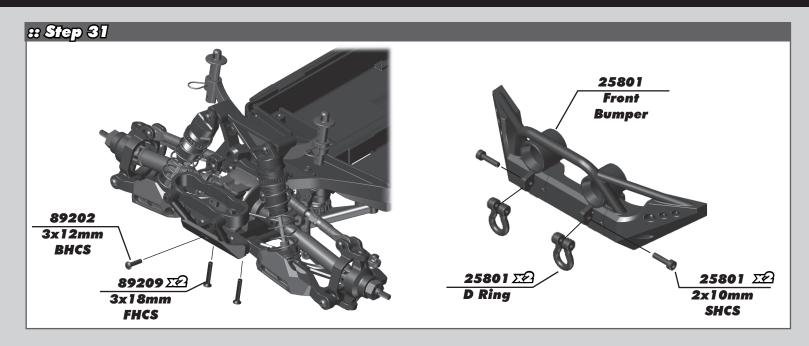


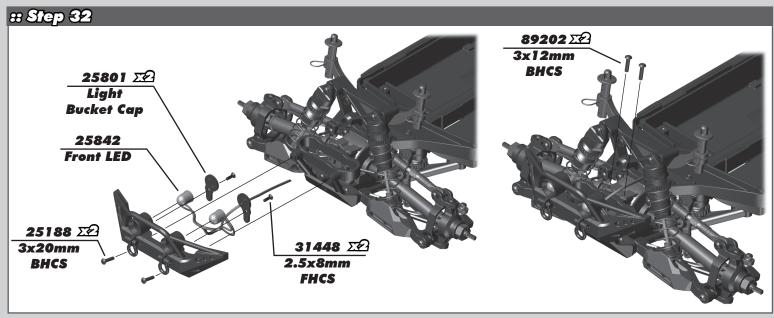


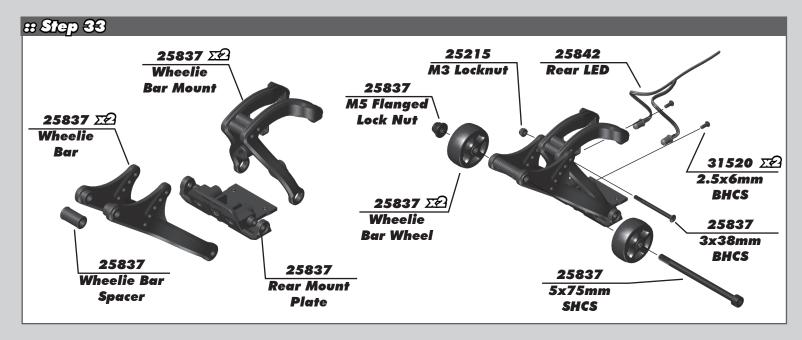


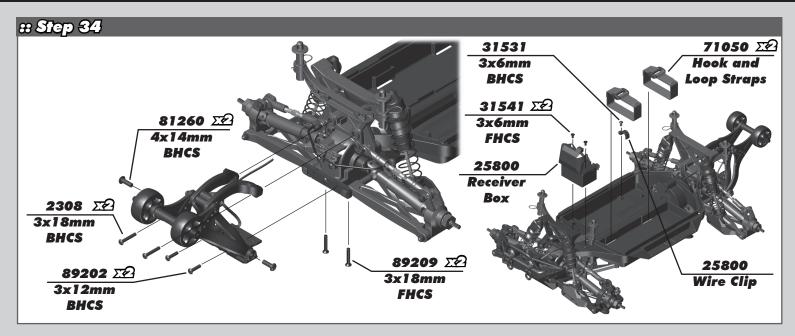


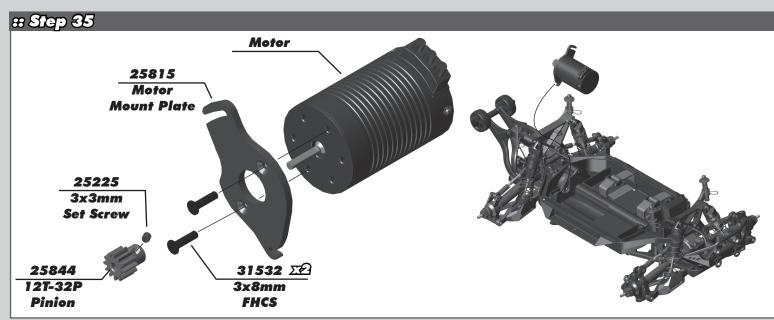


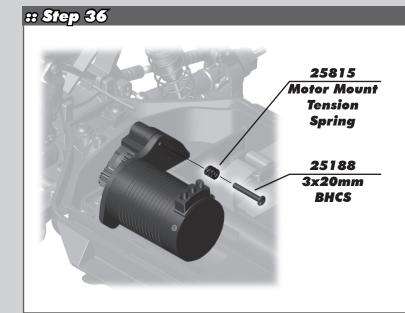










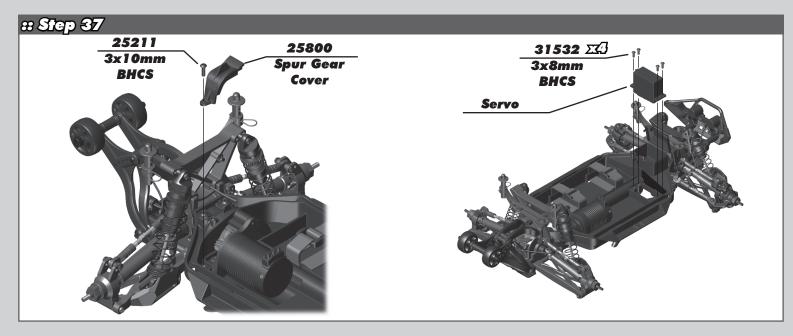


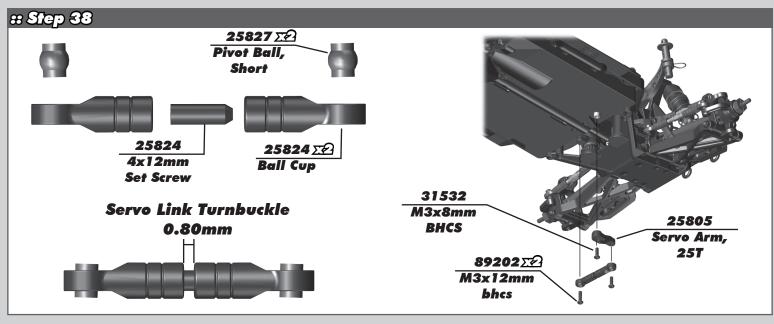


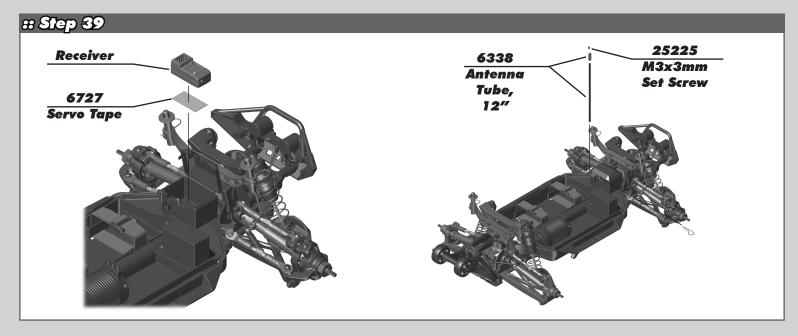


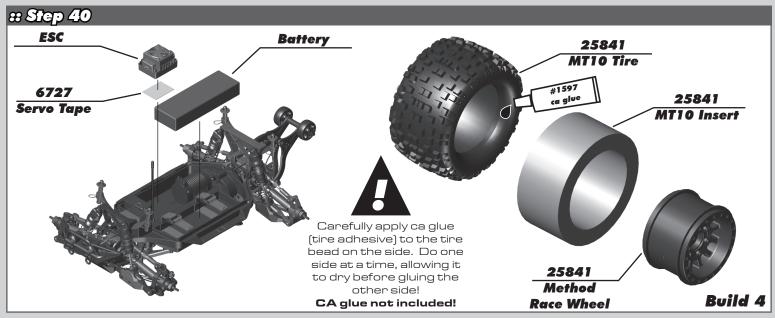
Set The Gear Mesh:

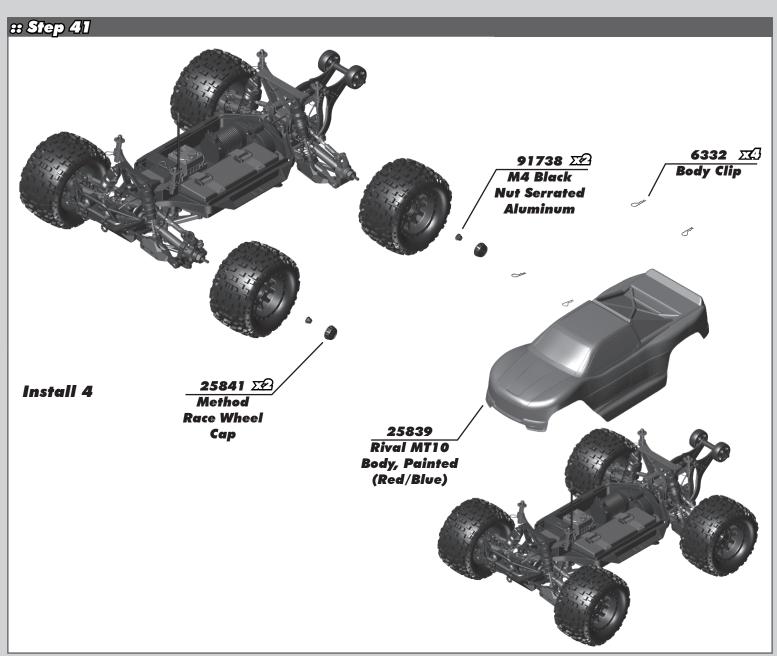
To set the gear mesh, rock the spur gear back and forth without making the pinion gear move. Exessive amounts of spur gear movement (loose gear mesh) will cause premature gear failure. If the spur gear mesh is tight, there will be no movement between the spur and pinion gears. A gear mesh that is too tight or too loose will reduce power and damage the gear teeth.











:: Tuning Tips

Tips for Beginners:

Before making any changes to the standard setup, make sure you can get around the track without crashing. Changes to your vehicle will not be beneficial if you can't stay on the track. Your goal is consistent laps. Once you can get around the track consistently, start tuning your vehicle. Make only ONE adjustment at a time, testing it before making another change. If the result of your adjustment is a faster lap, mark the change on the included setup sheet (make adddtional copies of the sheet before writing on it). If your adjustment results in a slower lap, revert back to the previous setup and try another change. When you are satisfied with your vehicle, fill in the setup sheet thoroughly and file it away. Use this as a guide for future track days or conditions. Periodically check all moving suspension parts. Suspension components must be kept clean and move freely without binding to prevent poor and/or inconsistent handling.

Set The Gear Mesh:

You should be able to rock the spur gear back and forth in the teeth of the pinion gear without making the pinion gear move. If the spur gear mesh is tight, then loosen the #25188 screw and move the motor away, then try again. A gear mesh that is too tight or too loose will reduce power and damage the gear teeth.

Front Camber:

Camber describes the angle at which the tire and wheel rides when looked at from the front. Negative camber means that the tire leans inward at the top. A good starting camber setting is -1°. Positive camber, where the top of the tire is leaning out, is not recommended. Optional #1719 camber gauge can be used to more accurately set camber.

Rear Camber:

Camber describes the angle at which the tire and wheel rides when looked at from the back. Negative camber means that the tire leans inward at the top. A good starting camber setting is -1°. 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. Optional #1719 camber gauge can be used to more accurately set camber.

Front Camber Links:

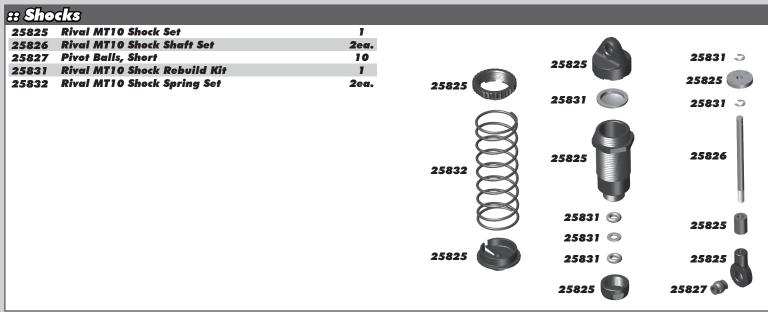
Changing the length of the camber link is considered a bigger step than adjusting the ball end height on the tower. Shortening the camber link (or lowering the ball end) will give the front end less roll and quicken steering response. Lengthening the camber link (or raising the ball end) will give the front more roll and slower steering response. Longer camber links are typically used on high grip tracks and shorter links tend to work better on medium-grip loose tracks.

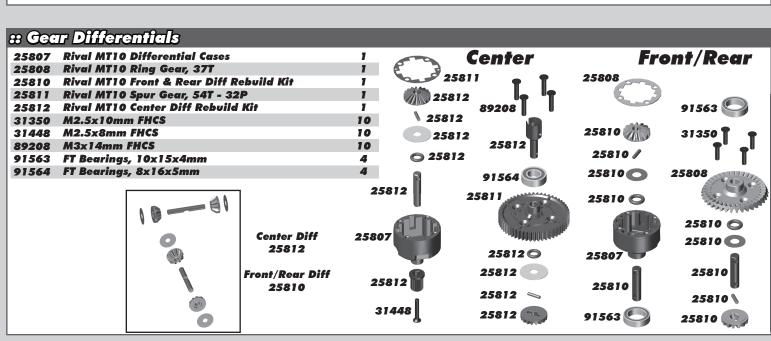
Rear Camber Link:

Changing the length of the camber link is considered a bigger step than adjusting the ball end height on the rear chassis brace. Shortening the camber link (or lowering the ball end) will give the rear end less roll and the car will tend to accelerate or "square up" better. Lengthening the camber link (or raising the ball end) will give the rear more roll and more cornering grip. Longer camber links are typically used on high grip tracks, while shorter links tend to work better on medium grip loose tracks. The kit setting is the best compromise of cornering grip and acceleration.

Ackermann:

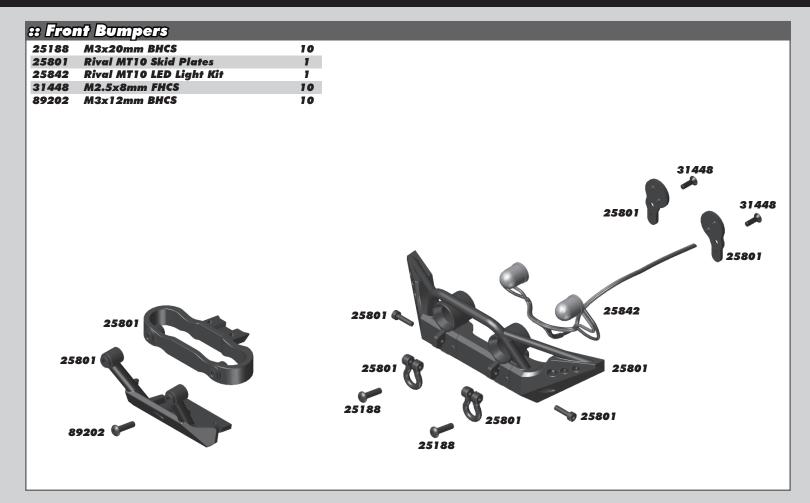
Ackermann is the angle difference between the front wheels when they are turned to steer the car. For minimal tire slip, it is standard for the inside wheel to steer to a greater angle than the outside wheel. If corner entry steering is too aggressive, try increasing the Ackermann by moving the ball studs to the rearward holes. Increasing the Ackermann will increase the angle difference of the front wheels when steered, resulting in a more stable car on corner entry.

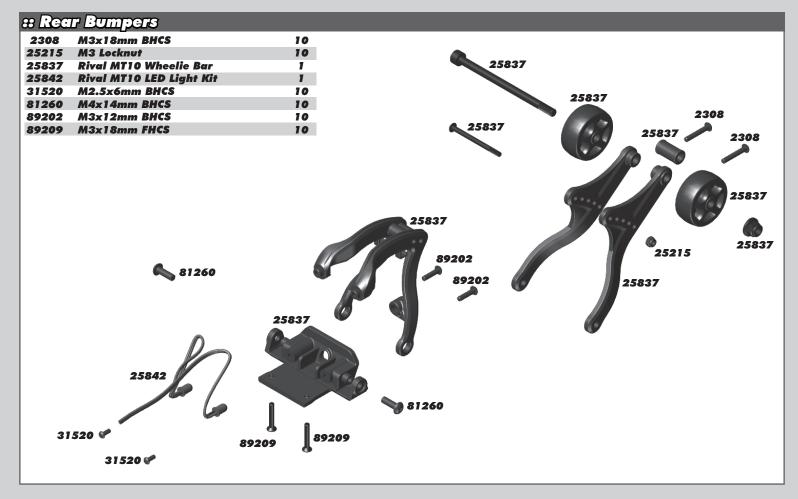


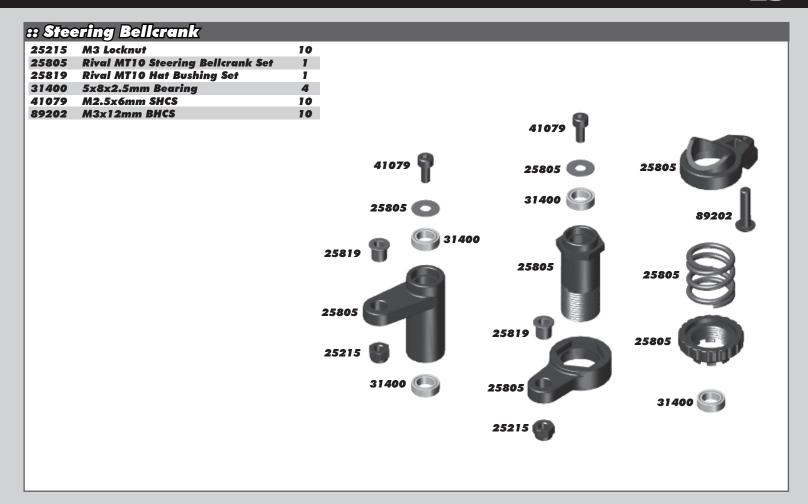


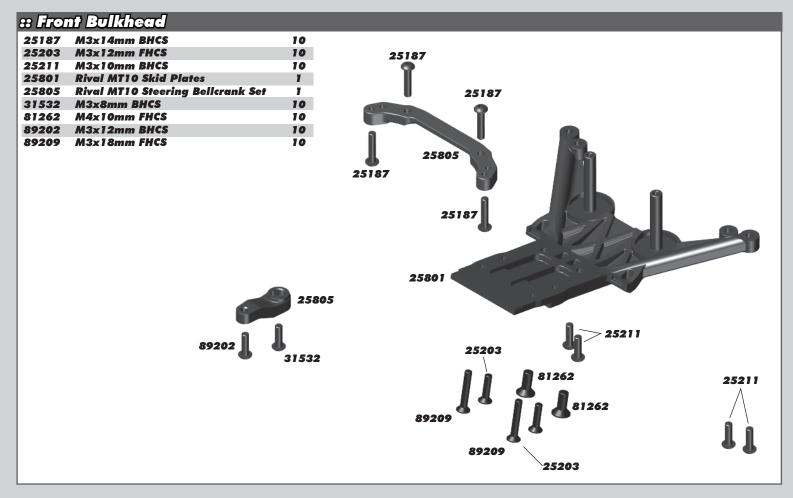


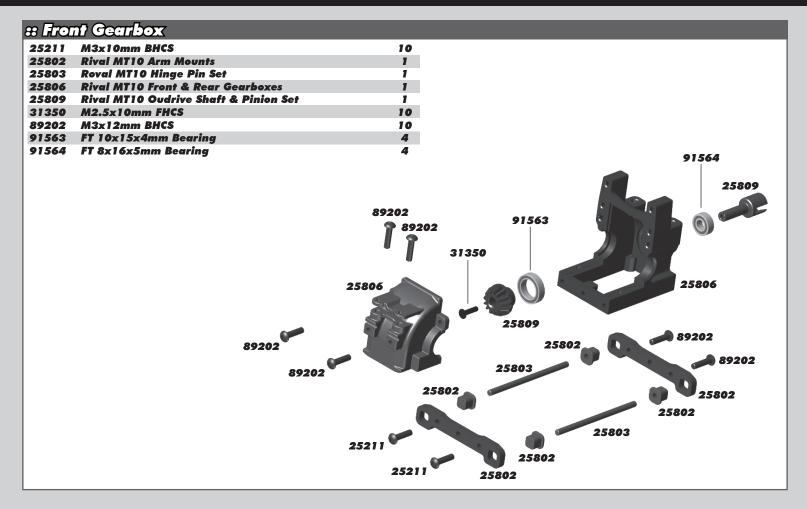
:: Dif	f Fluid		
5451	Silicone Diff Fluid 2,000CST	1	
5452	Silicone Diff Fluid 3,000CST	1	
5444	Silicone Diff Fluid 4,000CST	1	
5453	Silicone Diff Fluid 5,000CST	1	TEX
5446	Silicone Diff Fluid 6,000CST	1	
5454	Silicone Diff Fluid 7,000CST	1	
5455	Silicone Diff Fluid 10,000CST	1	
5456	Silicone Diff Fluid 20,000CST	1	
5457	Silicone Diff Fluid 30,000CST	1	Packerny
5458	Silicone Diff Fluid 60,000CST	1	TORY
5448	Silicone Diff Fluid 80,000CST	1	STATE STATE
5459	Silicone Diff Fluid 100,000CST	1	DISTRIBLE
5461	Silicone Diff Fluid 200,000CST	1	
5463	Silicone Diff Fluid 500,000CST	1	
5465	Silicone Diff Fluid 1,000,000CST	1	15.000 cg
			59 #5447 01 mL (2 fl.01)

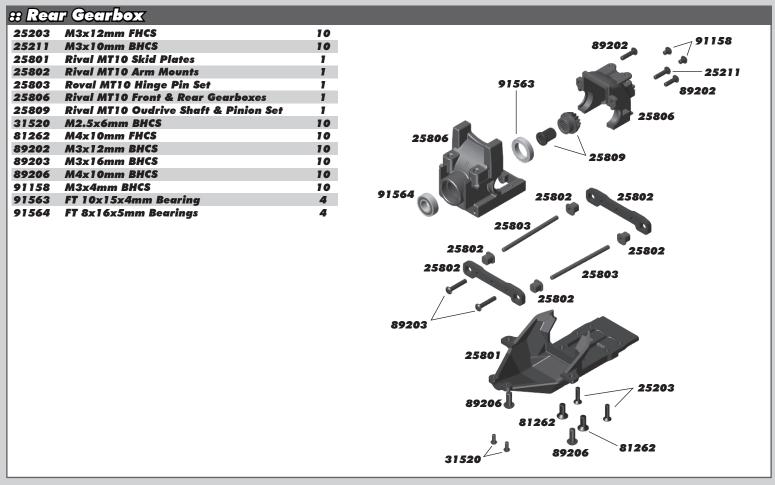


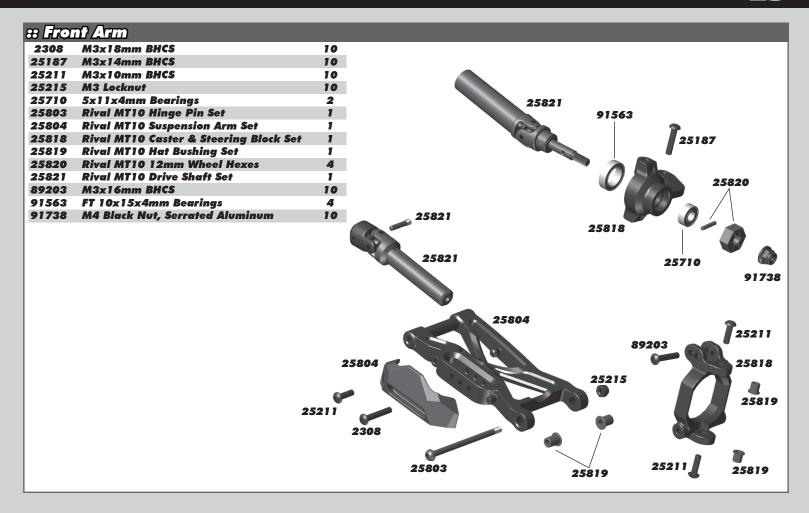


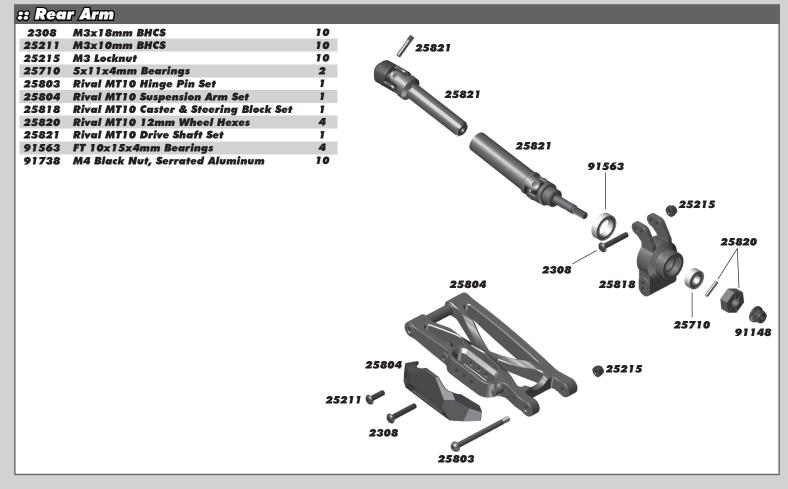


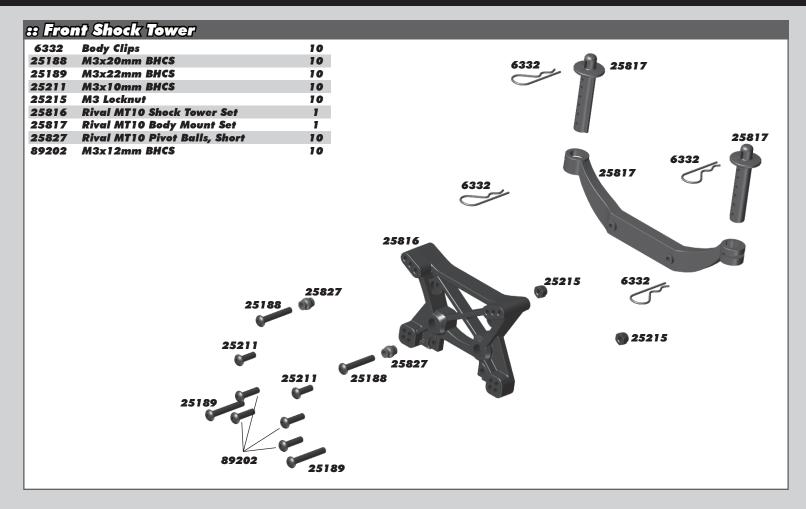


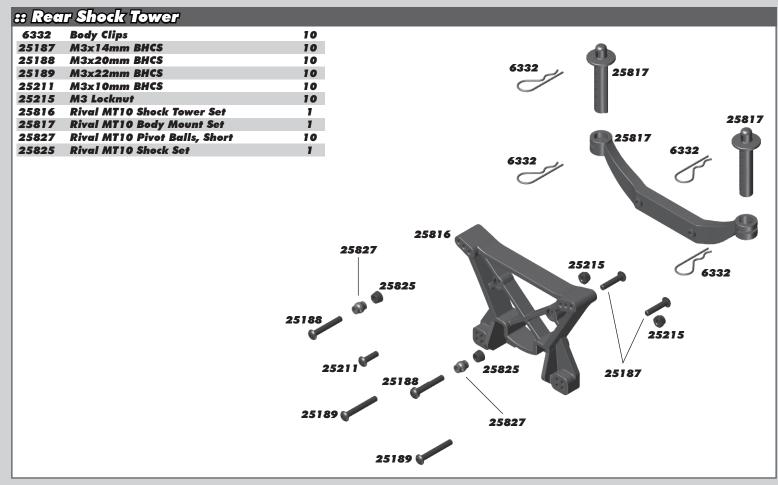


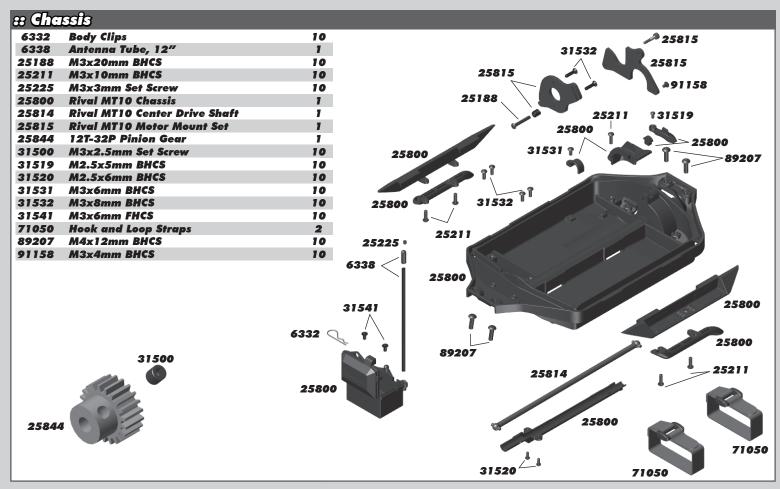


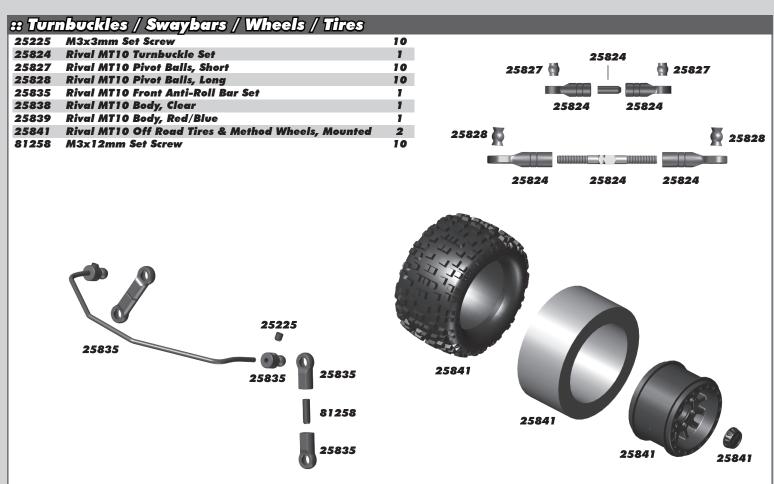












:: Lubes & Adhesives / Decals / Misc. FT Green Slime Shock Lube FT Locking Adhesive **FT Tire Adhesive** Black Grease - 4cc S.Diff Lube - 4cc Silicone Grease - 4cc Servo Tape Reedy 2016 Sticker Set 2016 Team Associated Decal Sheet

# MyLaps	Transponders	
MLP10R120	MyLaps RC4 (3-wire) Transponder	1
MLP10R147	MyLaps RC4 (3 wire) Transponder, black	1
MLP40R222	MyLaps Transponder Holder	1

#XP/AE	Electronics	
29203	AE XP120 2.4GHz 2CH Radio System	1
29204	AE XP-R4 2.4GHz 4CH Receiver	1
29257	AE XP130 2.4GHz 3CH Radio System	1

<i>38 I</i> R G C	edy Batteries	
302	AA Alkaline 1.5V (4)	1
751	Wolfpack LiPo 3300mAh 30C 7.4V w/T-Plug	1
752	Wolfpack LiPo 4000mAh 35C 7.4V w/T-Plug	1
753	Wolfpack LiPo 5400mAh 35C 7.4V w/T-Plug	7
755	Wolfpack LiPo 4500mAh 35C 11.1V w/T-Plug	1
<i>758</i>	Wolfpack LiPo 3000mAh 30C 7.4V w/T-Plug	7
759	Wolfpack LiPo 3000mAh 30C 11.1V w/T-Plug	1
27313	LiPo Pro TX/RX 2400mAh 7.4V Flat	1
27315	LiFe Pro TX/RX 1600mAh 6.6V Flat	1

: Reed	y Chargers / Accessories	
	CHARGERS	
27200	1216-C2 Dual AC/DC	1
	Competition Battery Charger	
27201	324-S AC LiPo/LiFe Compact Balance Charger	1
27201C2	324-S Charger w/3300mAh 7.4V LiPo Battery	1
27201C2	324-S Charger w/4500mAh 11.1V LiPo Battery	1
27202	123-S AC LiPo Compact Balance Charger	1
27220	7-in-1 Universal Charge Lead (4mm)	1
27221	T-plug Charge Lead (4mm)	1
27222	XH 2-6S Balance Board (4mm)	1
27223	RX Charger Lead FUT (4mm)	1
27224	US to IEC 320 C5 angle 1M AC Power Cord	1
	ACCESSORIES	
647	Silicone Wire 12AWG-Black (1m)	1
648	Silicone Wire 14AWG-Black (1m)	1
650	Shrink Tubing - 15pcs 4.5mm x 20mm	1
747	Silicone Wire 12AWG-Black (30m)	1
790	Silicone Wire 13AWG-Black (1m)	1
791	Silicone Wire 13AWG-Black (30m)	1
	cintono into realizo Ziuta (com,	

# Rec	dy Electronics	
	SERVOS AND SERVO ACCESSORIES	
27100	RS1206 Digital HV Hi-Speed Competition Servo	1
27101	RT1508 Digital HV Hi-Torque Competition Servo	1
27102	RS1206 Servo Case Set w/screws	1
27103	RS1206 Servo Gear Set	1
27105	RT1508 Servo Gear Set	7
27111	1514MG Digital RTR Servo	1
27114	RT2406 Digital HV Brushless Competition Servo	7
27115	RT2706A Digital HV Alum. Brushless Comp. Servo	1
27130	1514MG Servo Gear Set	1
27135	RT2406 Gear Set	1
27136	RT2706A Gear Set	7
27139	RT2406 Case Set	1
	SPORTS MOTOR	
907	540-SL4 3300kV 4-pole Sensorless	1
	Brushless Motor	
	ELECTRONIC SPEED CONTROLS	
29180	SC800-BL ESC	1
29184	SC800-BL/SC1000-BL/SC1000-DB/SC600-BL Switch	1
29185	SC600-BL Brushless ESC	1
29186	SC600-BL Fan	1

:: Apparel / Promotional SP124* AE 2017 Worlds Tee, Black (S, M, L, XL-5XL) SP126* Team Associated Tri T-Shirt, Black, (S, M, L, XL-5XL) SP128* Team Associated Womens Tri T-Shirt, Black, (S, M, L) SP129* Team Associated Youth Tri T-Shirt, Black, (S, M, L) SP143* Reedy W19 T-Shirt, Black, (S, M, L, XL-3XL) SP200* Element RC Logo T-Shirt, Gray, (S, M, L, XL-5XL) SP201* Element RC Rhombus T-Shirt, Black, (S, M, L, XL-5XL) 1 **HOODIES/JACKETS** SP125* AE 2017 Worlds Pullover, Black, (S, M, L, XL-3XL) SP127* Team Associated Tri Zip-Up, Black, (S, M, L, XL-3XL) 1 SP231* Element RC Logo Pullover, Black, (S, M, L, XL-5XL) SP142* Reedy W19 Pullover, Black, (S, M, L, XL-3XL) 1 SP160* Factory Team Logo Lightweight "Medal" Zip Up 1 Streaked, Black, (S, M, L, XL-4XL) **HATS** SP20 AE Patch Trucker Hat SP260 Element RC Hat, Curved Bill, Black 1 SP261 Element RC Hat, Flat Bill, Black SP430 Reedy Trucker Hat 2018 1 SP431 Team Associated Tri Trucker Hat, Flat Bill, Black 1 SP432 Team Associated Tri Trucker Hat, Curved Bill, Black 1 SP434 Factory Team Logo Trucker Hat, Flat Bill 1 SP435 Factory Team Logo Trucker Hat, Curved Bill 1 **BANNERS/MATS CARRIERS** SP115 Reedy Circuit Cloth Banner SP116 Reedy Power Vinyl Banner, 48x24 1 SP117 Reedy power Cloth Banner, 96x24 SP118 Reedy Power Cloth Banner, 48x24 1 SP300 Team Associated Vinyl Banner, 48x24 SP301 Factory Team Vinyl Banner, 48x24 1 SP302 Team Associated Cloth Banner, 96x24 SP303 Team Associated Cloth Banner, 48x24 SP304 Factory Team Cloth Banner, 96x24 1 SP305 Factory Team Cloth Banner, 48x24 1 SP425 FT Fluid Carrier

* Use p	oart number	plus the	desired siz	e when	ordering!
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# Too	ls .	
	FT Turnbuckle Wrench	
1111	FT 4mm Turnbuckle Wrench	1
1112		=
1114	FT Dual Turnbuckle Wrench	1
1449	Off Road Ride Height Gauge	1
1452	FT TC Ride Height Gauge	1
1498	FT Universal Tire Balancer	1
1499	FT Body Reamer	1
1500	FT 1.5mm Hex Driver	1
1501	FT 2.0mm Hex Driver	1
1502	FT 2.0mm Ball Hex Driver	1
1503	FT 2.5mm Hex Driver	1
1504	FT 2.5mm Ball Hex Driver	1
1505	FT 3.0mm Hex Driver	1
1506	FT 5.0mm Hex Driver	1
1507	FT 5.5mm Nut Driver	
1508	FT 7.0mm Nut Driver	1
1518	FT Hex Driver Tool Set, 3pc (1.5, 2.0, 2.5)	1
1519	FT Hex/Nut Driver Tool Set, 5pc.	1
1522	FT Professional Mini Digital Scale	1
1545	FT 5/64" Blue Hex Driver	1
1555	FT Clutch Gauge, 4 Shoe	1
1568	FT 5.5mm Short Nut Driver	1
1569	FT 7mm Nut Driver, T-Handle	1
1570	FT 5.5mm Short Nut Driver	1
1571	FT 1:8 Wheel Nut Wrench, 17mm Hex	1
1579	FT Ball Cup Wrench	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
1674	FT 1/4" 5 Piece Power Tool Tips Set (5/64-2.0mm,	1
	1.5mm, 2.5mm, 5/64"- 2.0mm ball, 2.5mm ball)	
1675	FT Shock Shaft Pliers	1
1679	FT T-Handle Ratchet Driver	1
1719	FT Camber + Track Width Tool	1
1737	FT Body Scissors	1
3718	12 Inch Nylon Wire Ties	12
3987	FT Droop Gauge	1
1		



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