



**BRUSHLESS  
POWERED  
READY-TO-RUN**

# RIVAL MT10

#20516 RIVAL MT10 RTR

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


















**CHAMPIONS *by* DESIGN**

[TeamAssociated.com](http://TeamAssociated.com)








# TEAM ASSOCIATED

**:: Hardware - 1:1 Scale View**




**Button Head (bhcs)**

-  **2.5x5mm (31519)**
-  **2.5x6mm (31520)**
-  **3x4mm (91158)**
-  **3x6mm (31531)**
-  **3x8mm (31532)**
-  **3x10mm (25211)**  
**Aluminum (8554)**  
**Titanium (91582)**
-  **3x12mm (89202)**  
**Titanium (91583)**
-  **3x14mm (25187)**  
**Titanium (91584)**
-  **3x16mm (89203)**  
**Titanium (91585)**
-  **3x18mm (2308)**
-  **3x20mm (25188)**  
**Titanium (91587)**
-  **3x22mm (25189)**  
**Titanium (91588)**
-  **3x38mm (25837)**
-  **4x10mm (89206)**
-  **4x14mm (81260)**





**Flat Head (fhcs)**

-  **2.5x8mm (31448)**
-  **2.5x10mm (31350)**
-  **3x6mm (31541)**
-  **3x12mm (25203)**  
**Aluminum (8556)**  
**Titanium (91594)**
-  **3x14mm (89208)**  
**Aluminum (8567)**  
**Titanium (91595)**
-  **3x18mm (89209)**  
**Titanium (91597)**
-  **4x10mm (81262)**




**Set Screws**

-  **3x3mm (25225)**
-  **3x12mm (81258)**
-  **4x12mm (25824)**





**Shims and Washers**

-  **5.5x0.5mm (31381)**
-  **5.5x1.0mm (31382)**
-  **5.5x2.0mm (31383)**
-  **3x8mm Washer (89218)**








**Socket Head (shcs)**

-  **2x10mm (25801)**
-  **2.5x6mm (41079)**
-  **5x75mm (25837)**

**Ball Bearings**

-  **5x8x2.5mm (31400)**
-  **5x11x4mm (25710)**
-  **10x15x4 (91563)**
-  **8x16x5 (91564)**

**Nuts (lock/plain)**

-  **Plain M3 Nut (91477)**
-  **M3 Alum. Locknut, Blue (31550)**
-  **M3 Locknut, Black (25215)**
-  **M4 Locknuts:**  
**Serrated Steel (Silver)(91826)**
-  **FT Aluminum (Blue) (31551)**
-  **Serrated Aluminum (Black) (91738)**
-  **M5 Locknut w/Flange (25837)**

**Notes:**

**:: Step 1**

25810 Sun Gear Shim

25810 Diff O-Ring

25810 Diff Output Shaft

25807 Diff Case (Front/Rear)

25810 Sun Gear Shim

25810 Diff O-Ring

25810 Diff Output Shaft

25810 Sun Gear

25810 Input Pin

25810 Sun Gear

25810 Input Pin

25808 Ring Gear, 37T

**Build 2 (1 front, 1 rear)**

**:: Step 2**

25810  $\times 4$  Planetary Gear

25810  $\times 2$  Diff Cross Pin

25810  $\times 4$  Planetary Gear Shim

25808 Diff Gasket

91563  $\times 2$  10x15x4mm Bearing

31350  $\times 4$  2.5x10mm FHCS

diff fluid

**Front Diff Fluid: 60k cst #5458**

**Rear Diff Fluid: 3k cst #5452**

**:: Step 3**

25812 Sun Gear Shim

25807 Diff Case (Center)

25812 Diff O-Ring

25812 Center Diff Shaft

25812 Sun Gear Shim

25811 Spur Gear (54T, 32P)

91564 8x16x5mm Bearing

25812 Center Diff Outdrive

25812 Center Diff Sun Gear

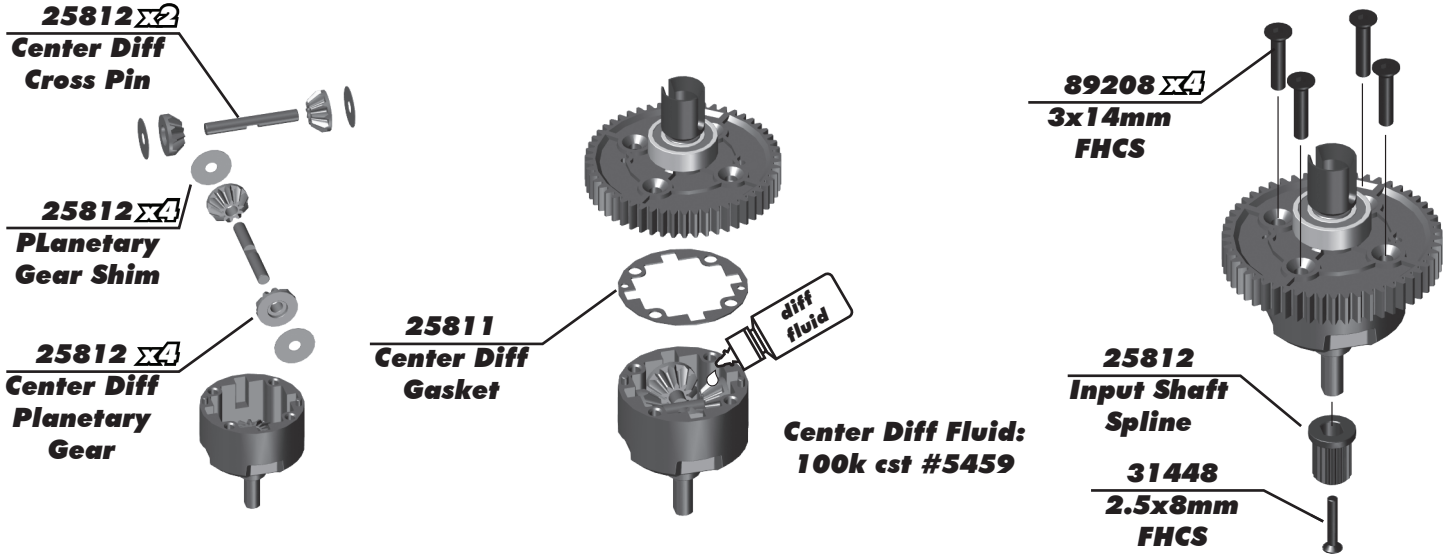
25812 Input Pin

25812 Center Diff Sun Gear

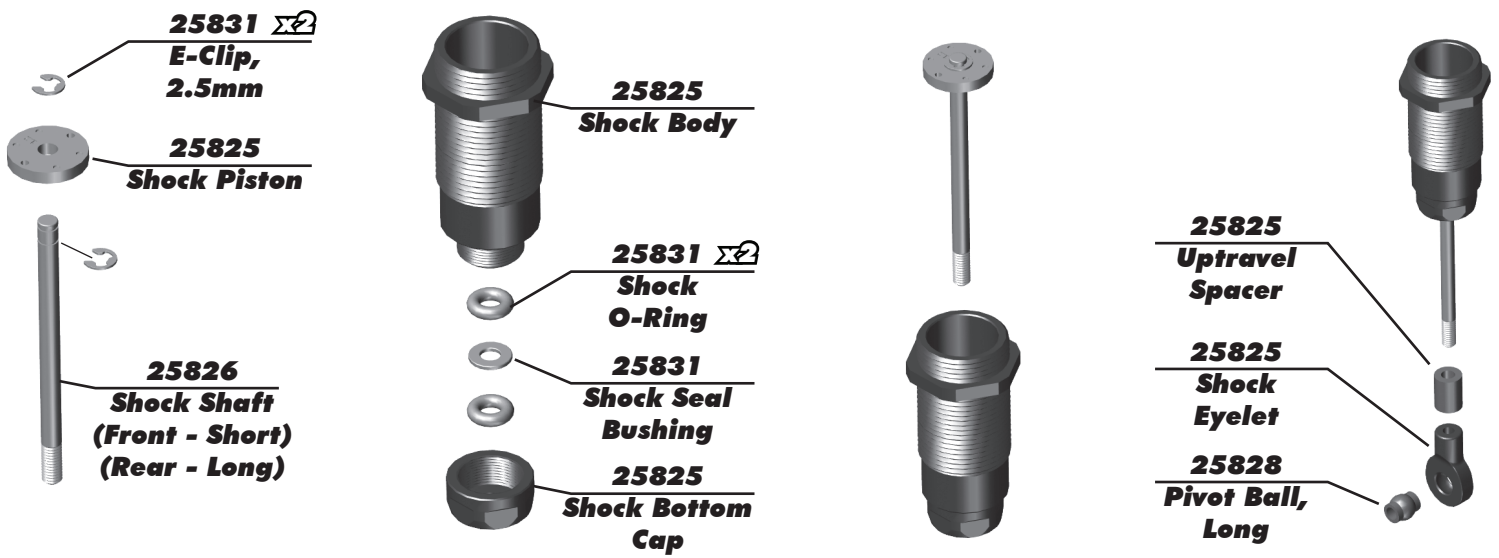
25812 Input Pin

**Build 1 (1 center)**

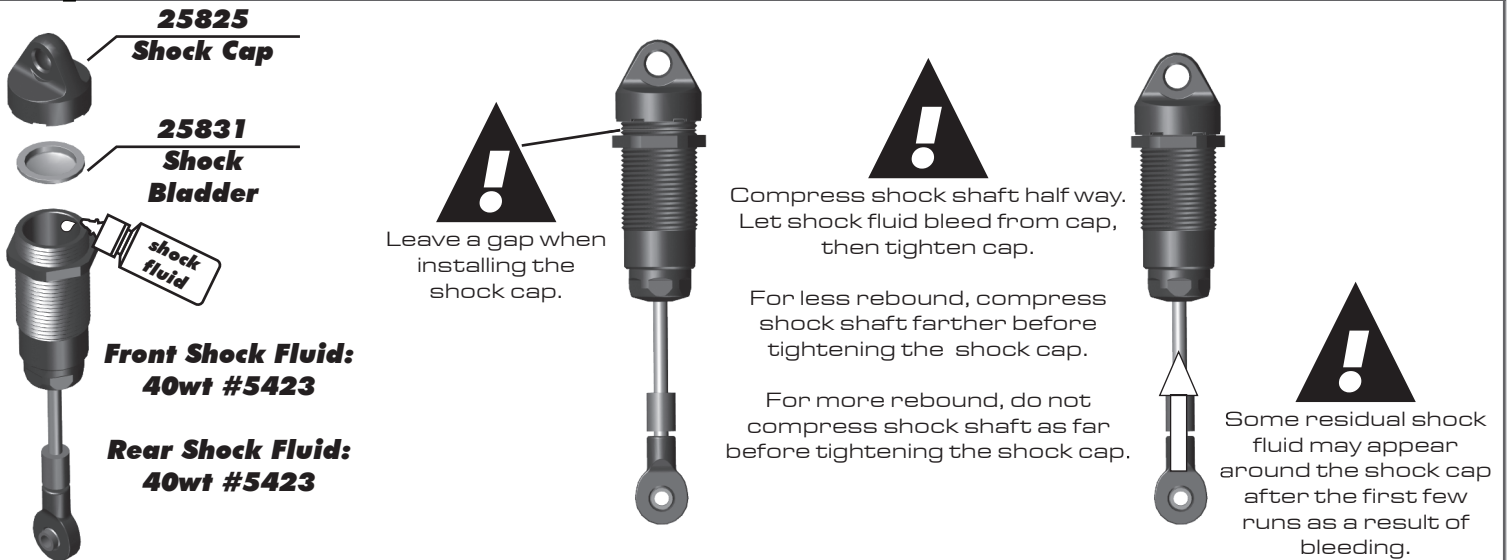
**:: Step 4**



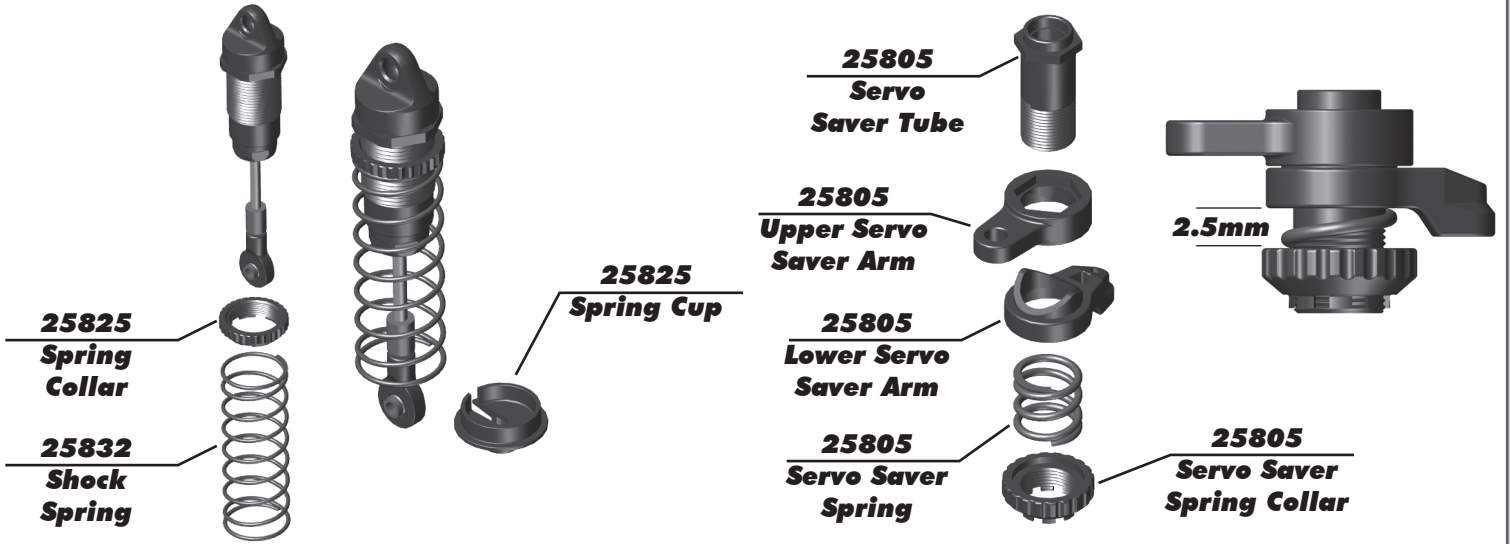
**:: Step 5**



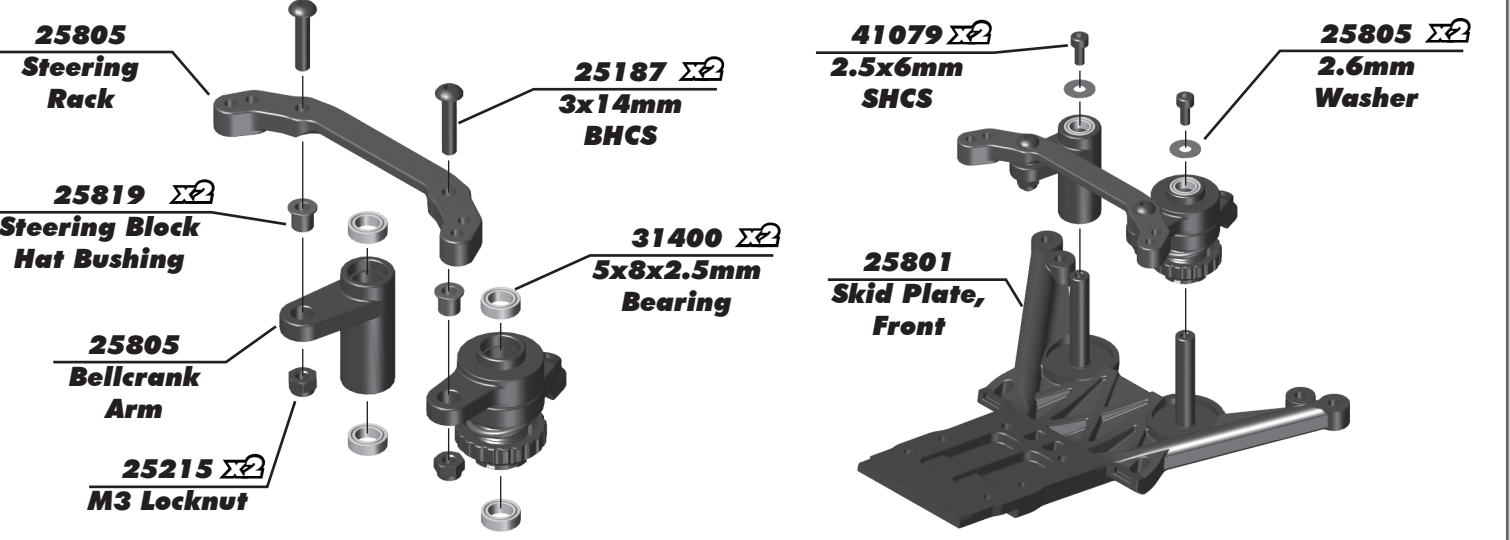
**:: Step 6**



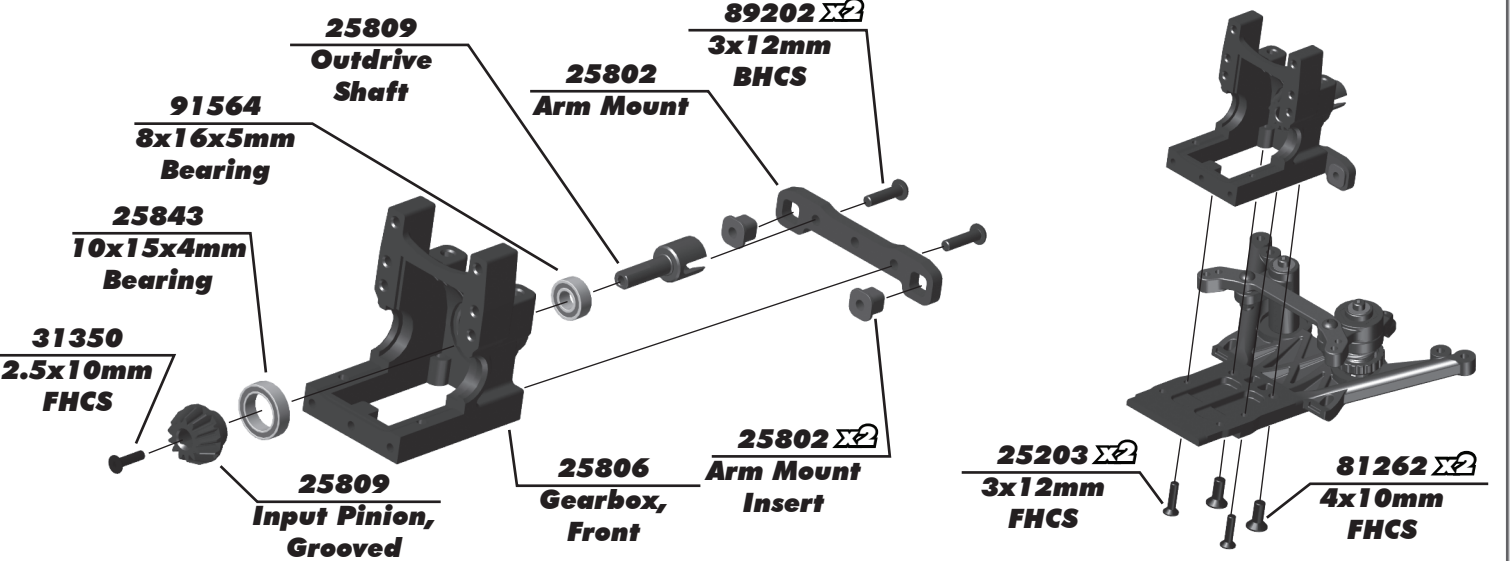
**:: Step 7**



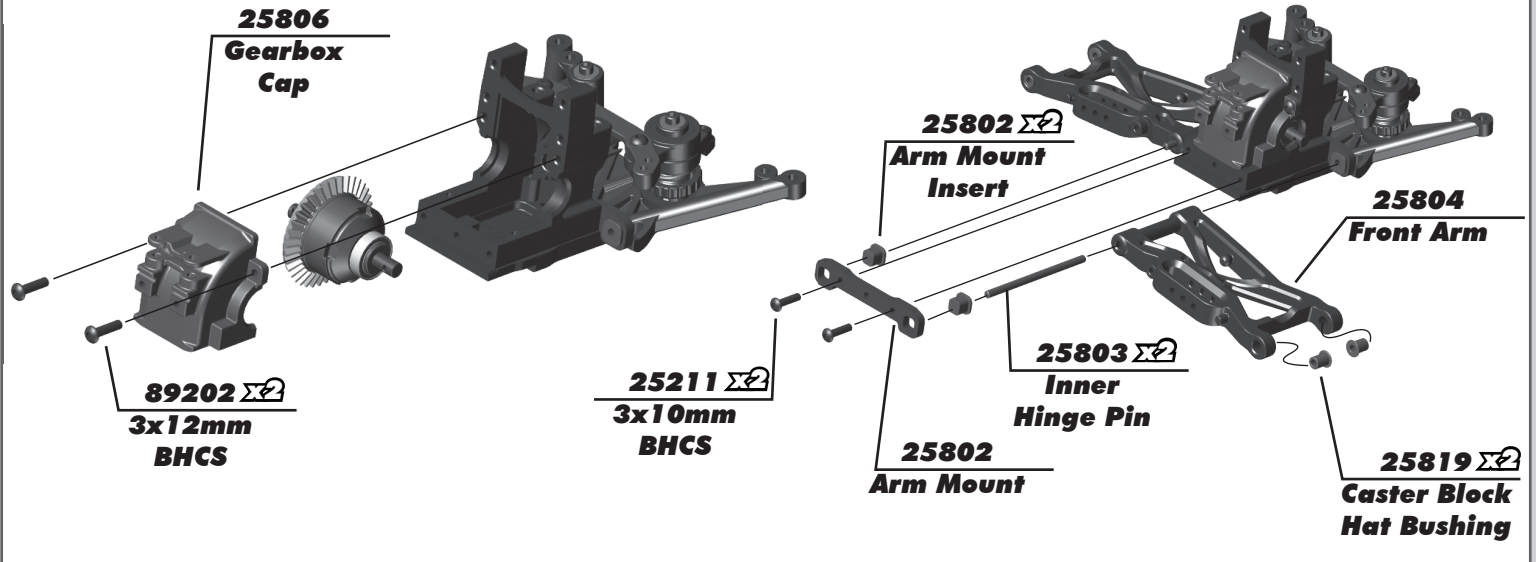
**:: Step 8**



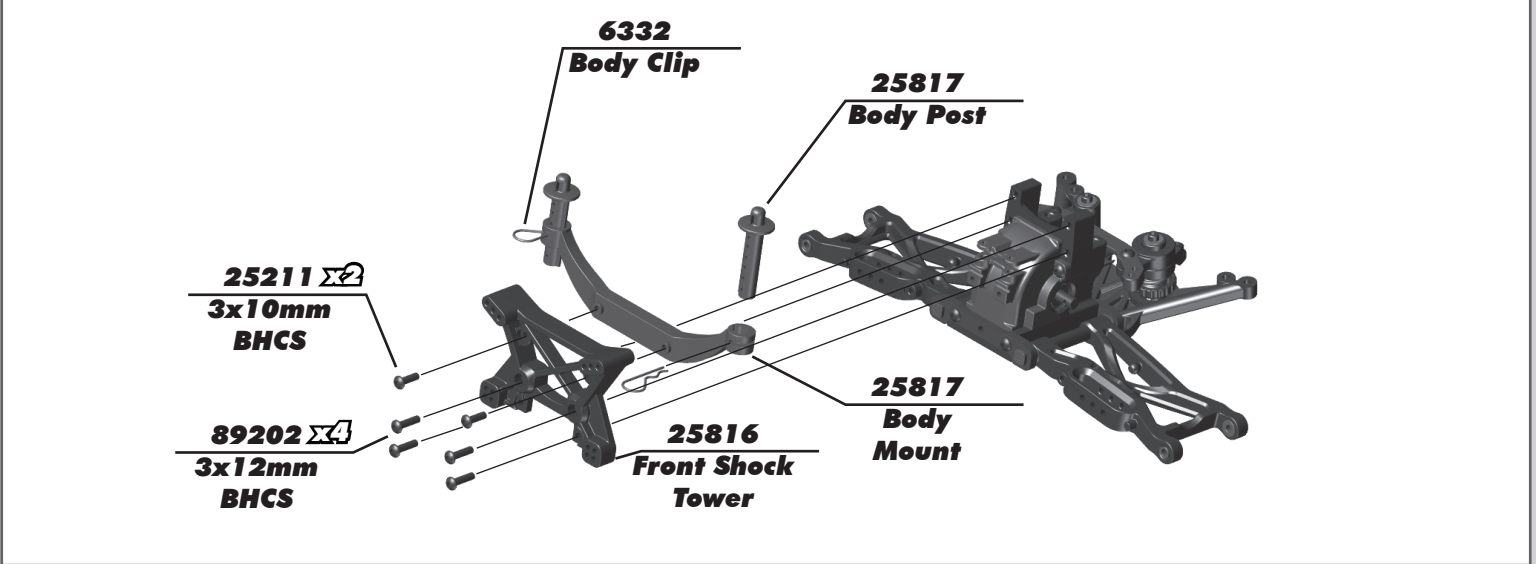
**:: Step 9**



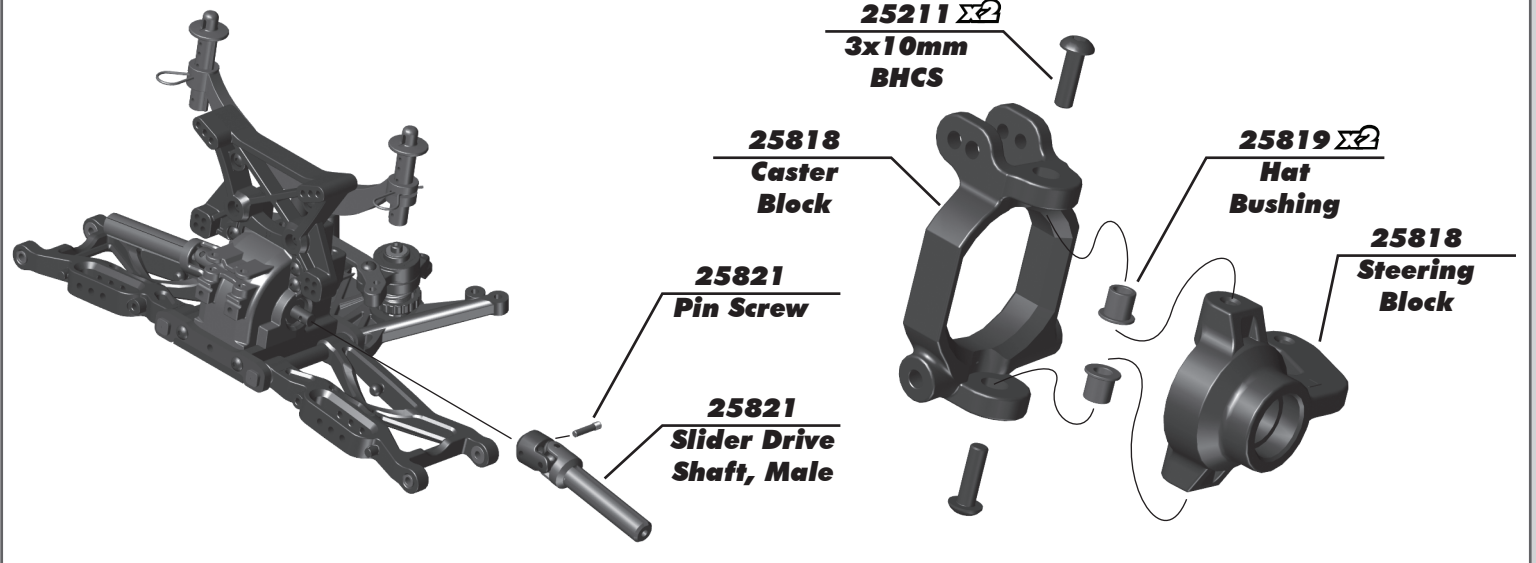
**:: Step 10**



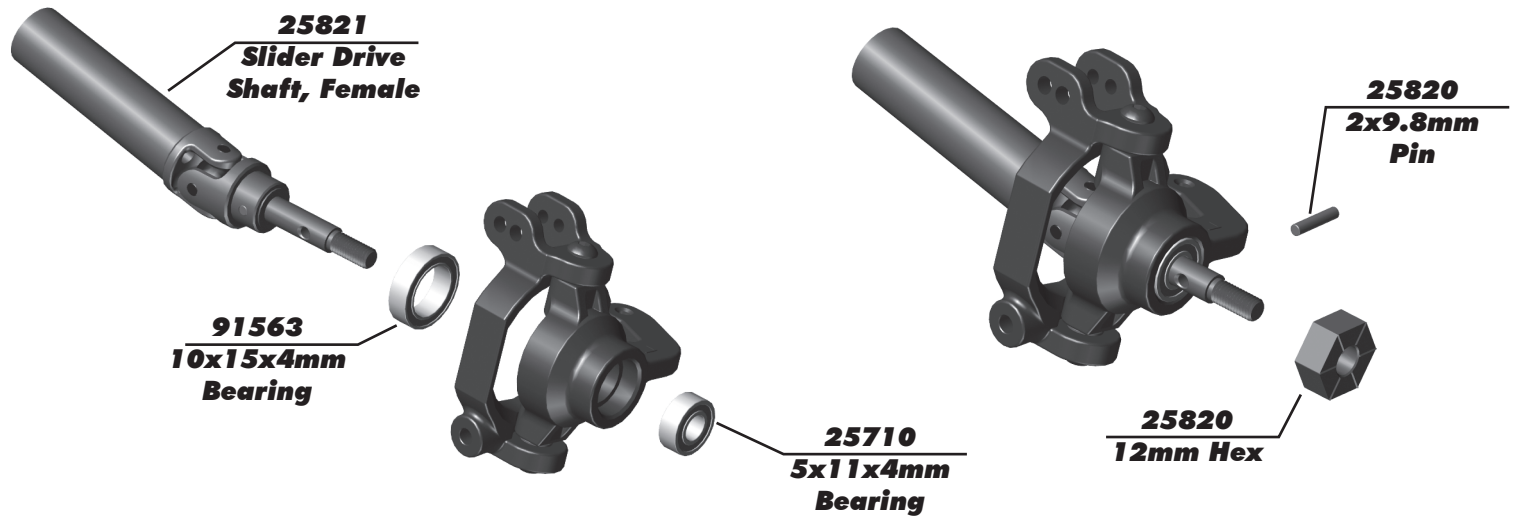
**:: Step 11**



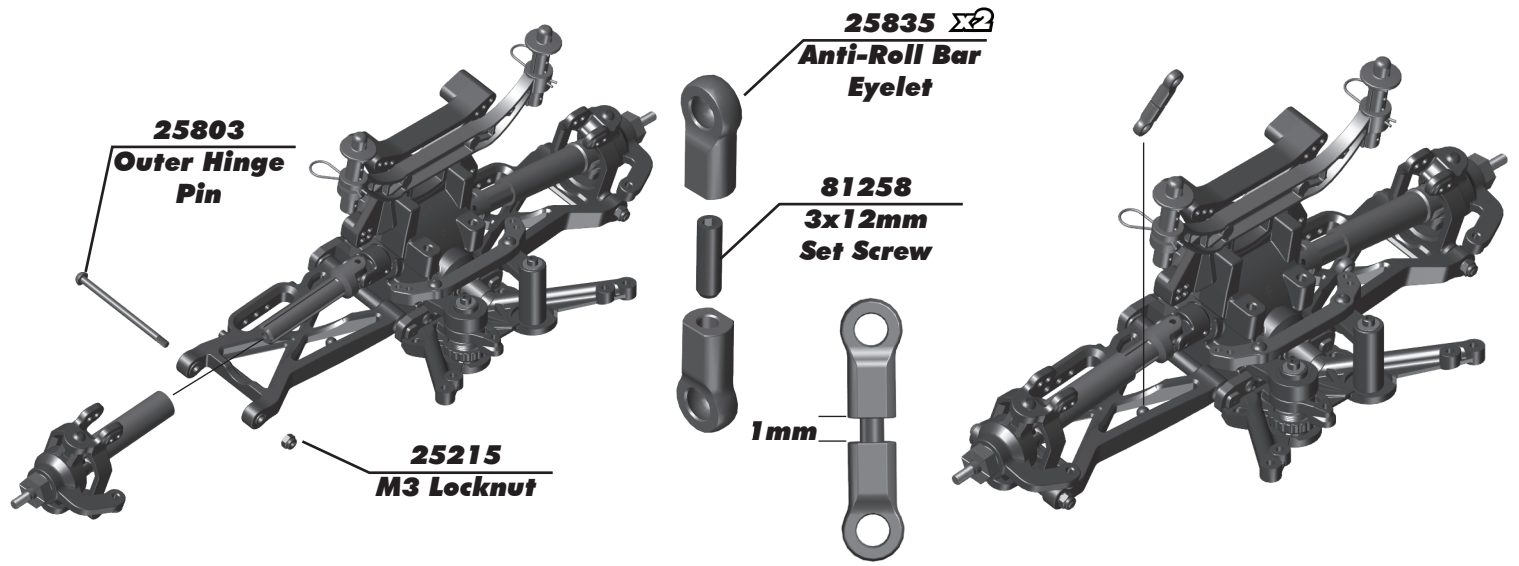
**:: Step 12**



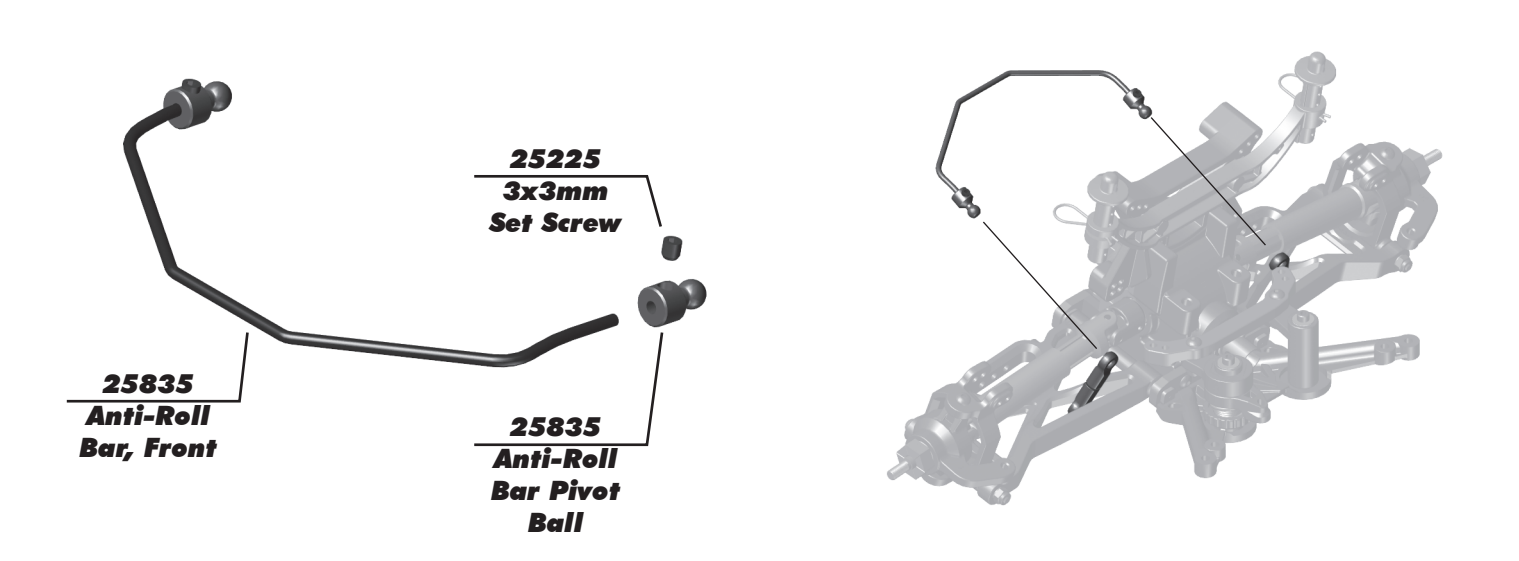
**:: Step 13**



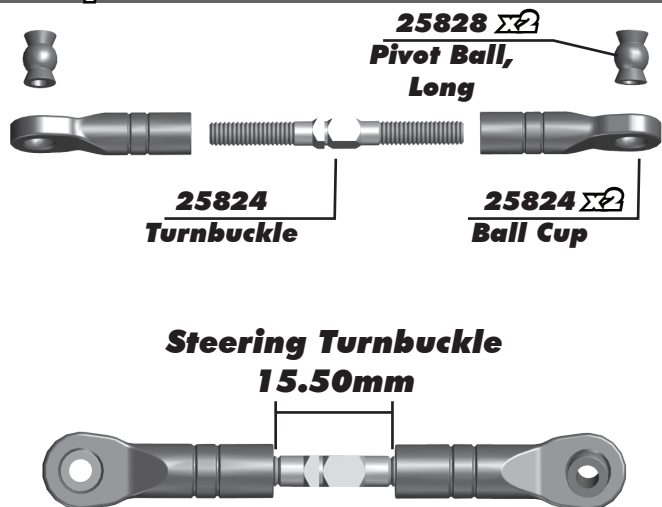
**:: Step 14**



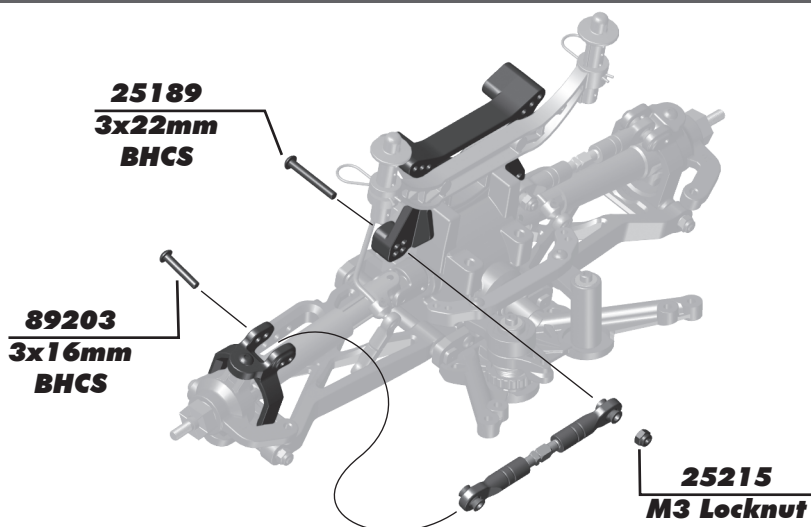
**:: Step 15**



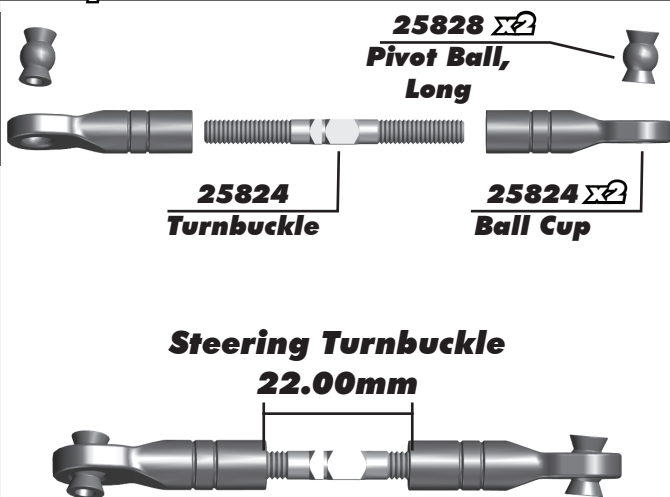
**:: Step 16**



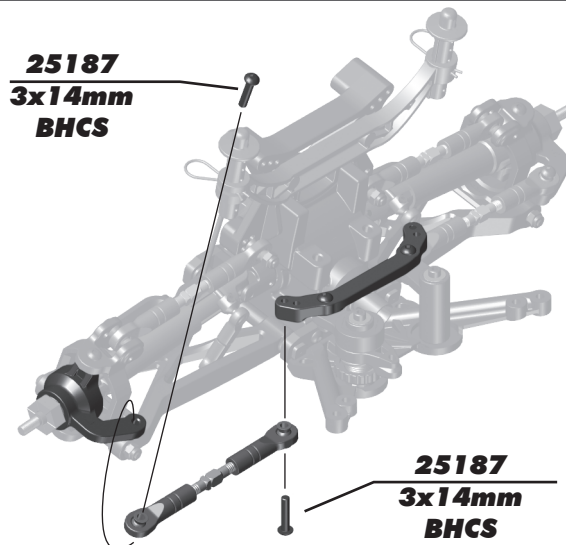
Build x2 (right and left side)



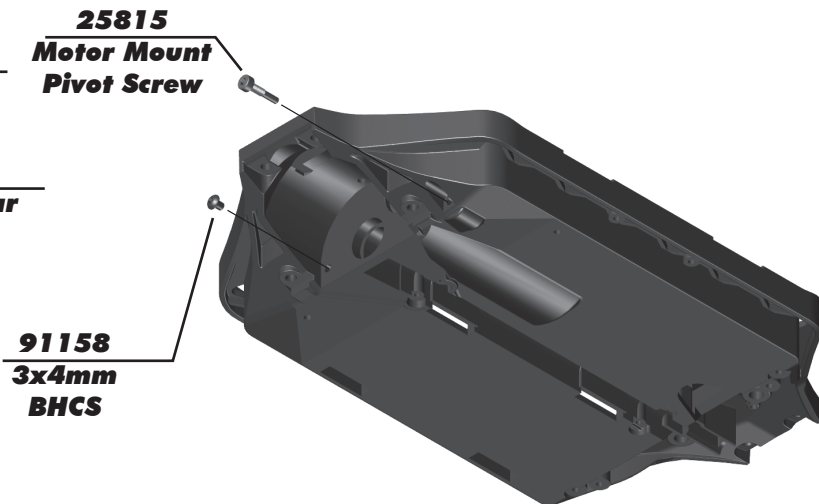
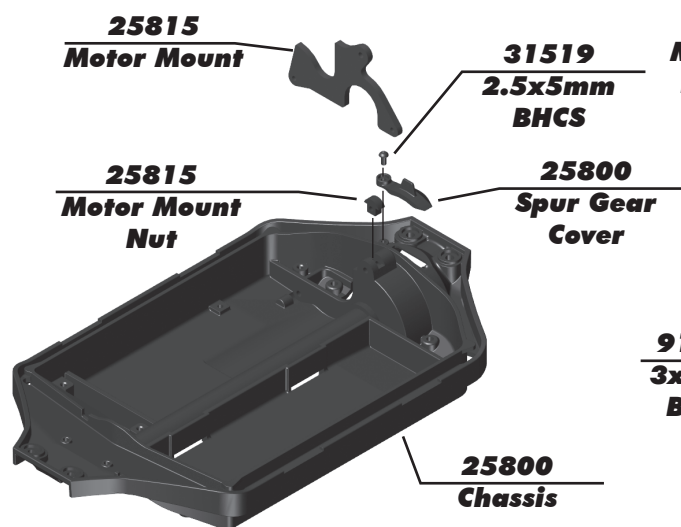
**:: Step 17**



Build x2 (right and left side)

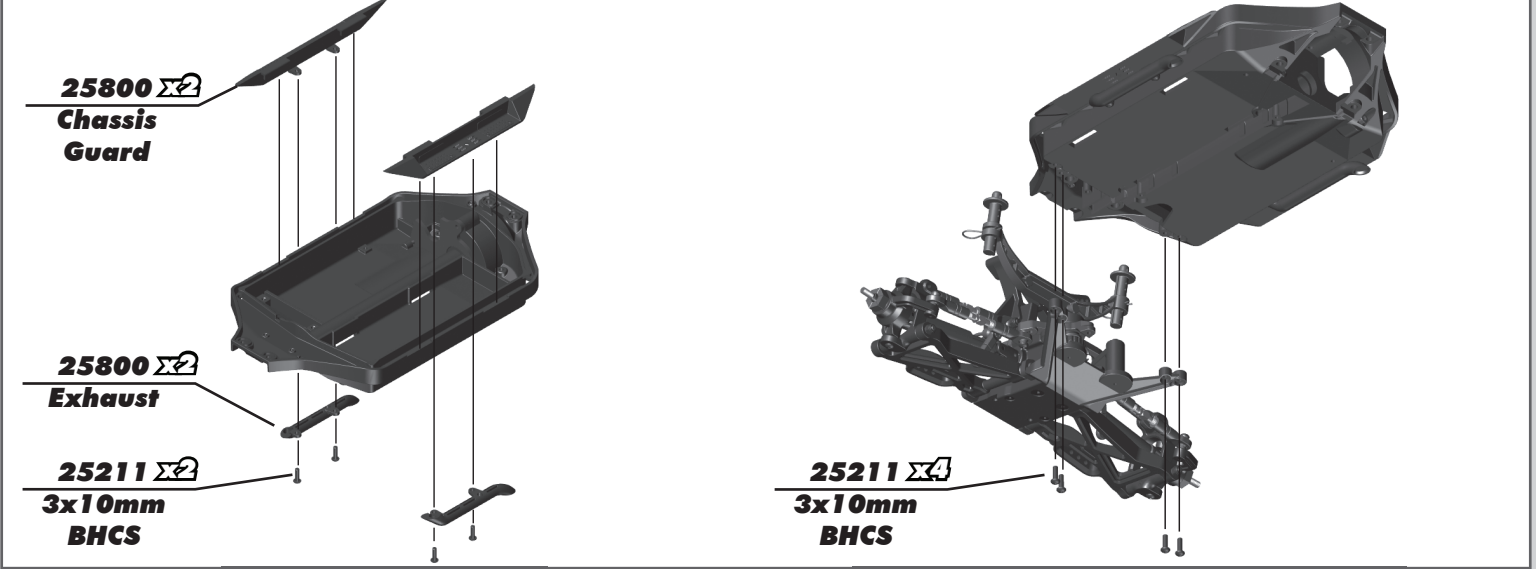


**:: Step 18**

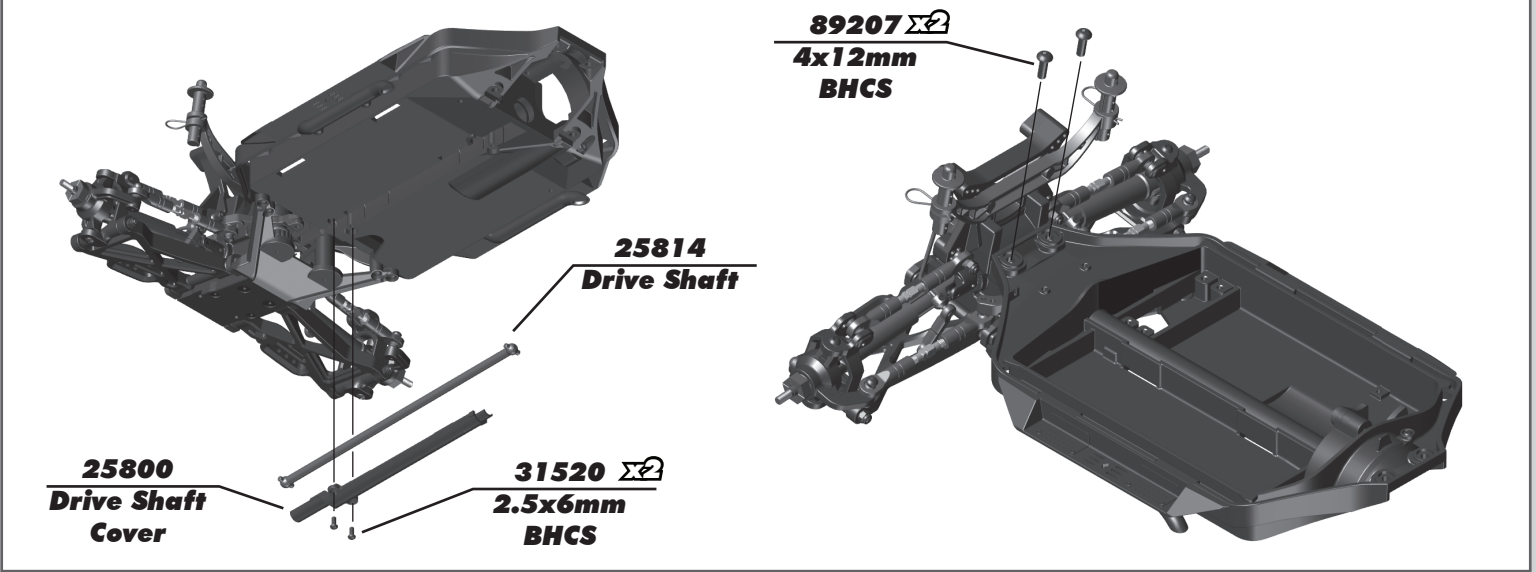




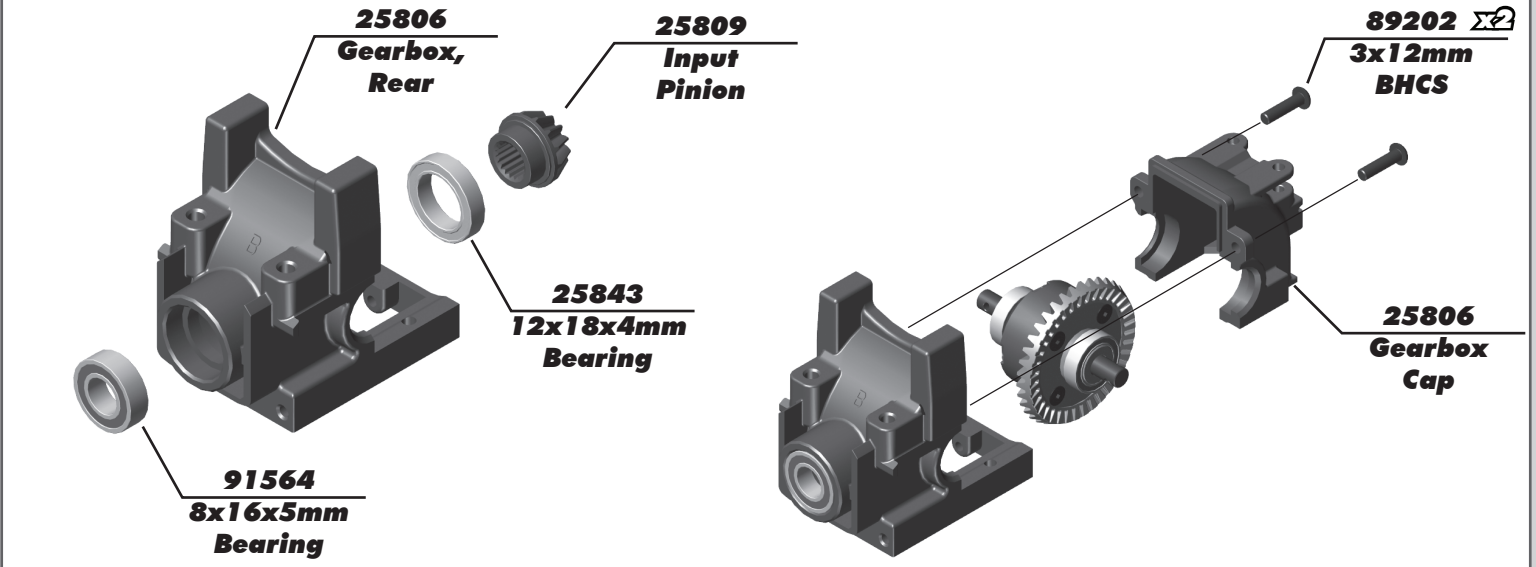
**:: Step 19**



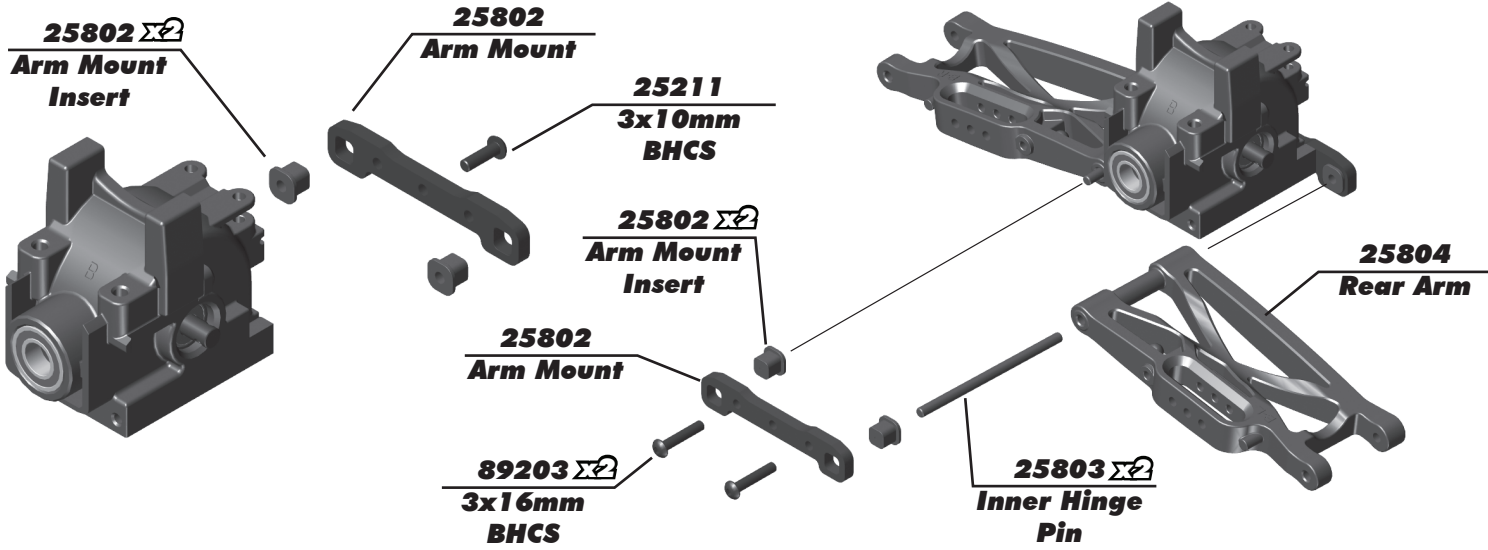
**:: Step 20**



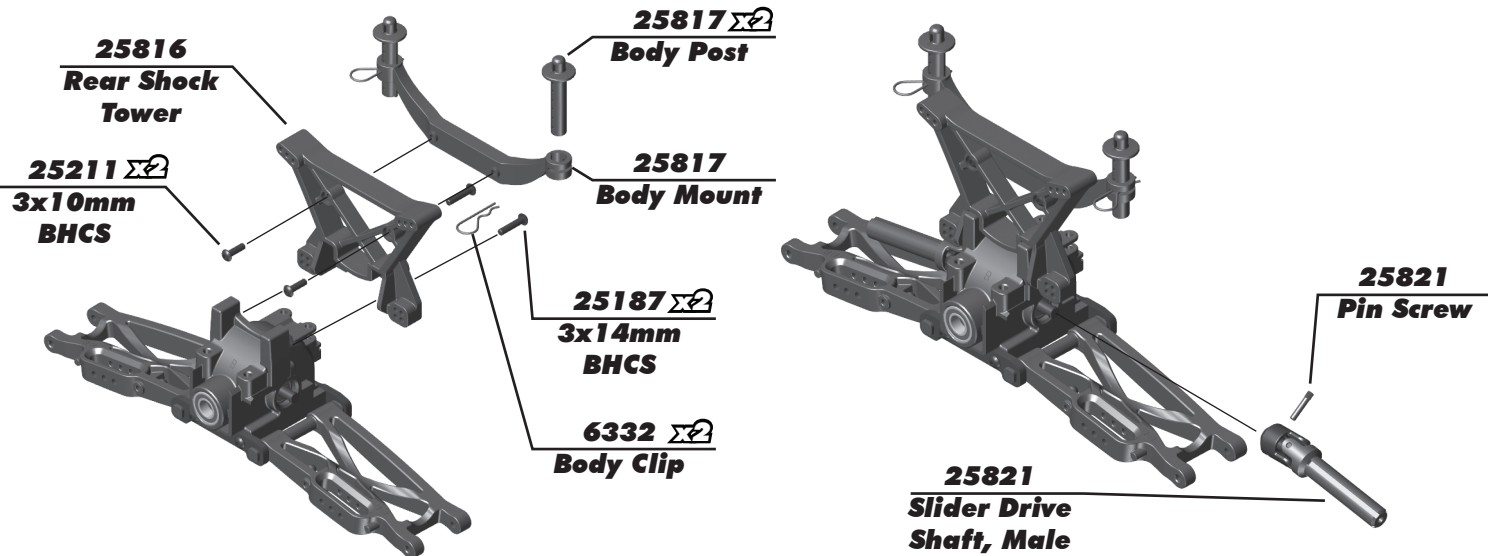
**:: Step 21**



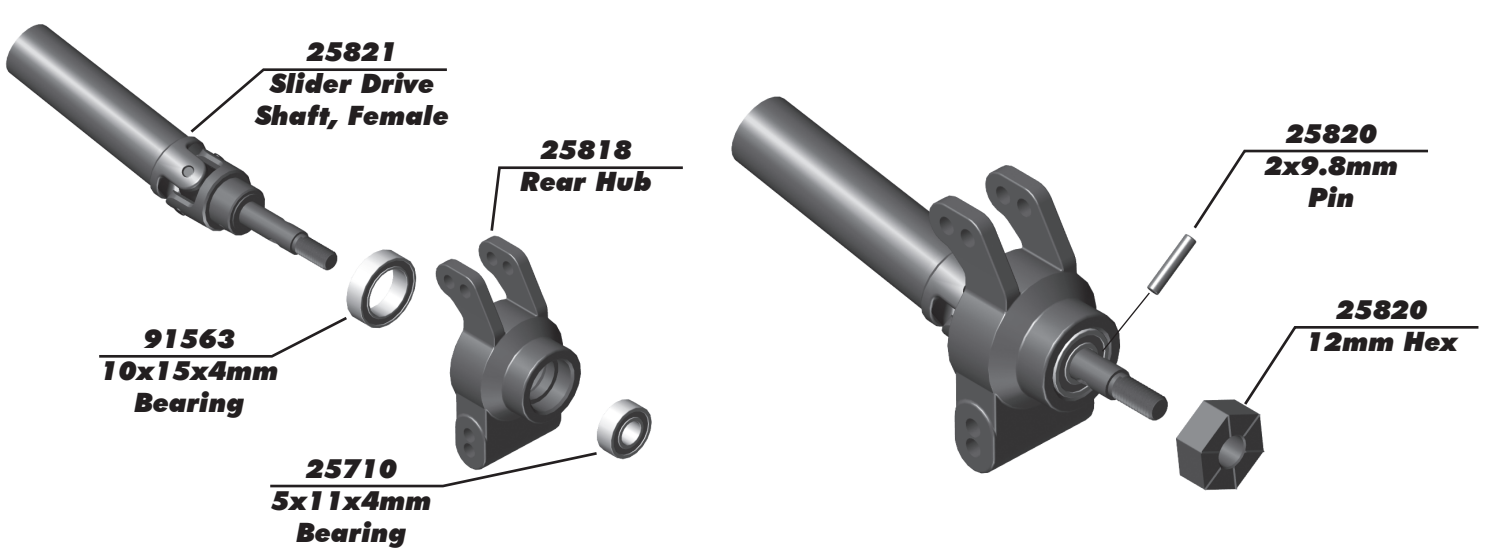
**:: Step 22**



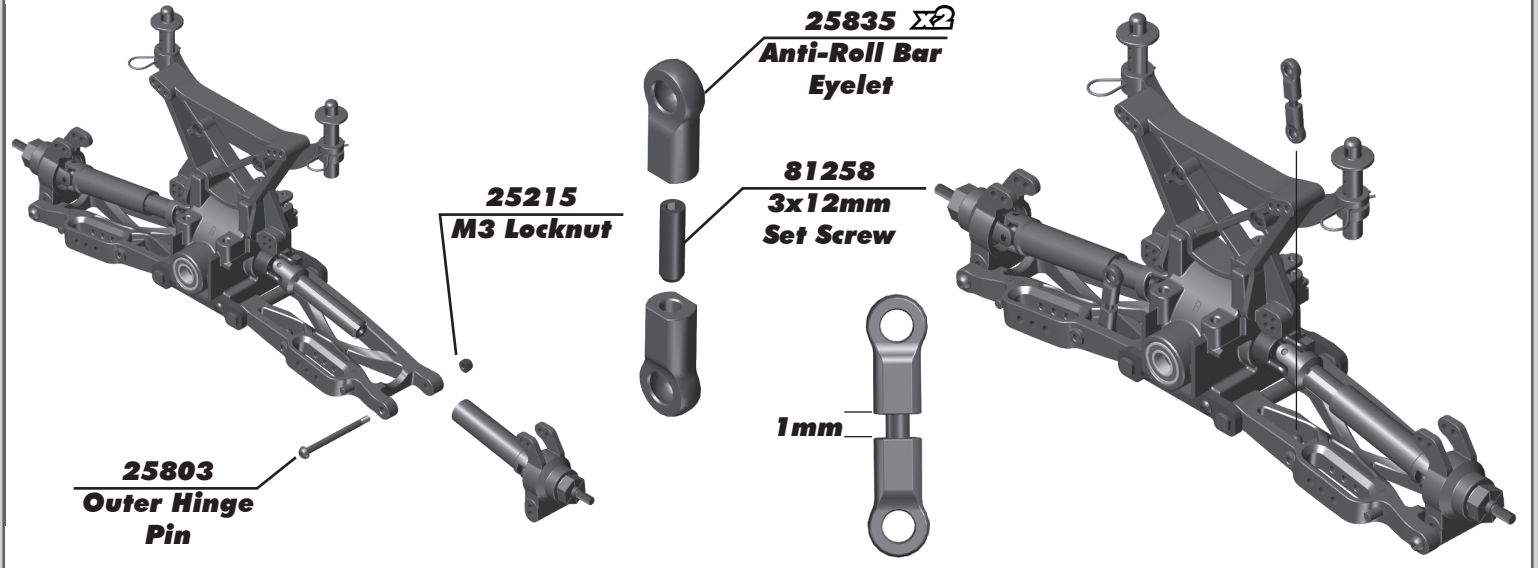
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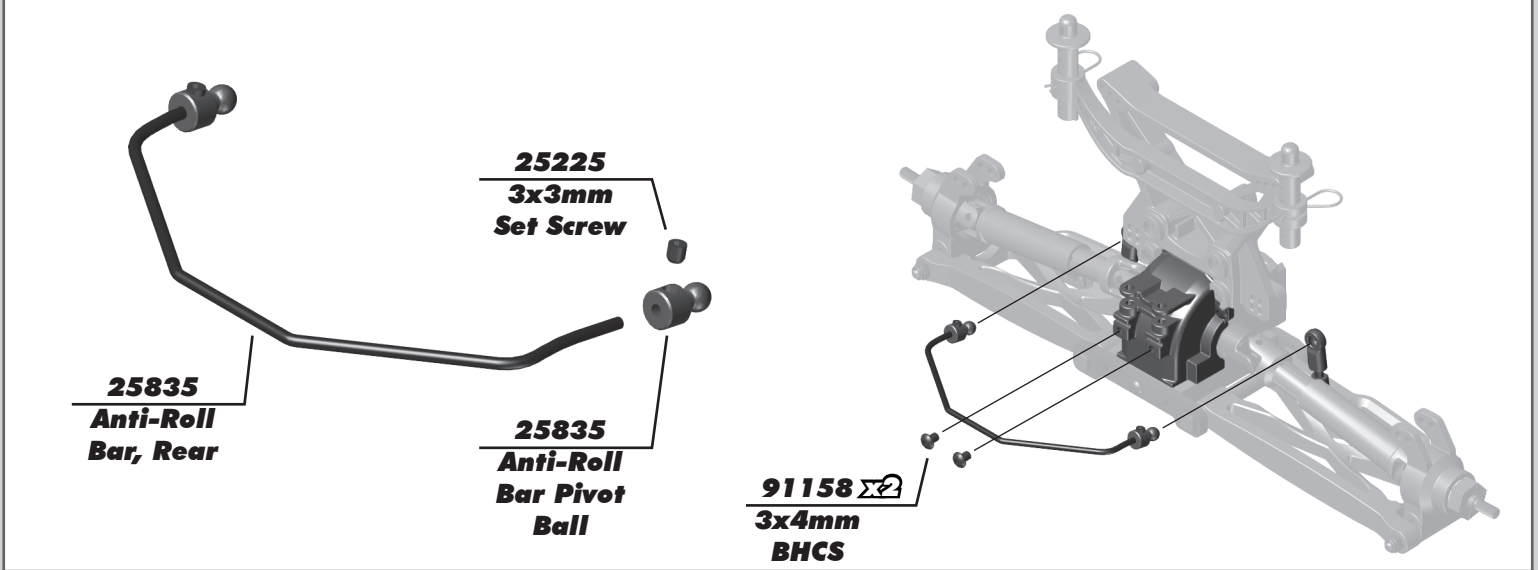
**:: Step 24**



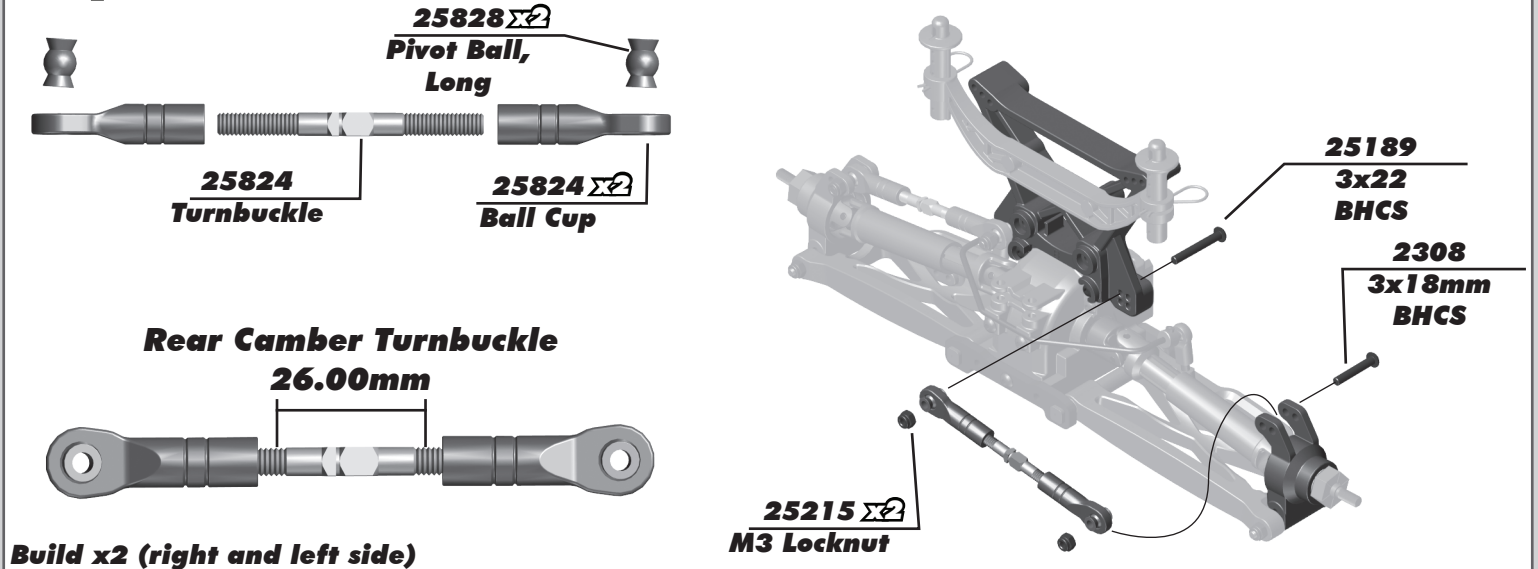
**:: Step 25**



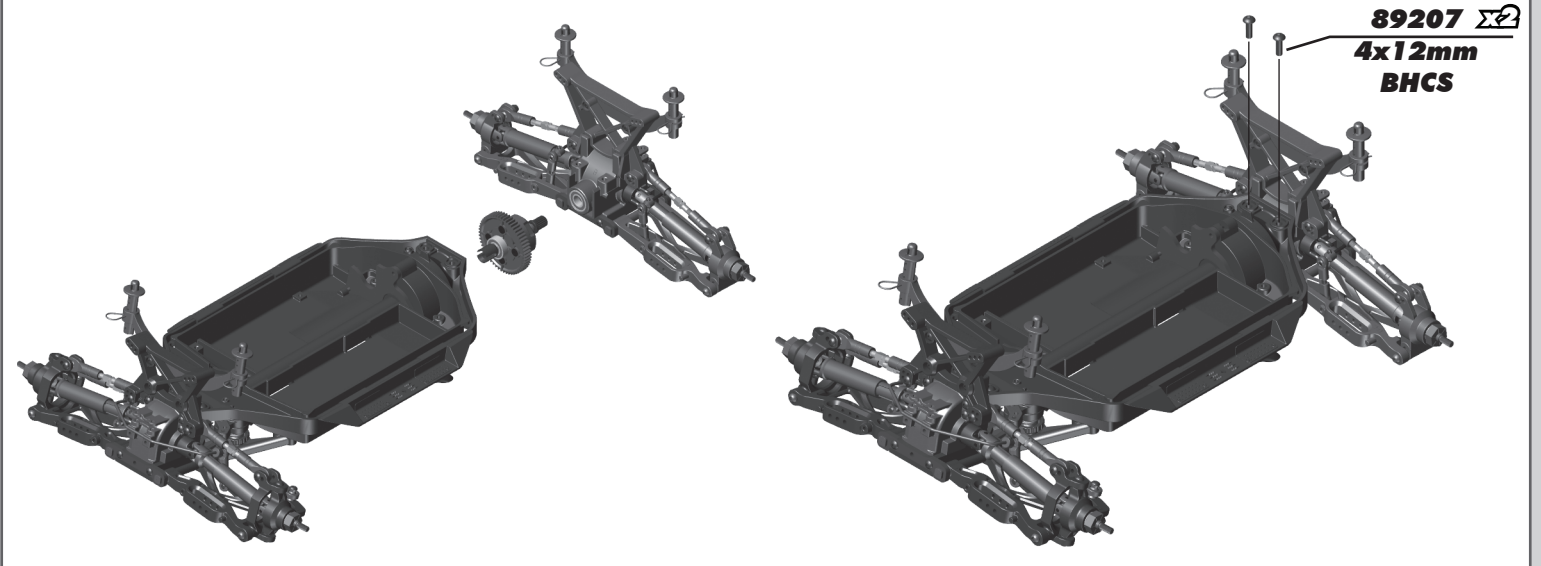
**:: Step 26**



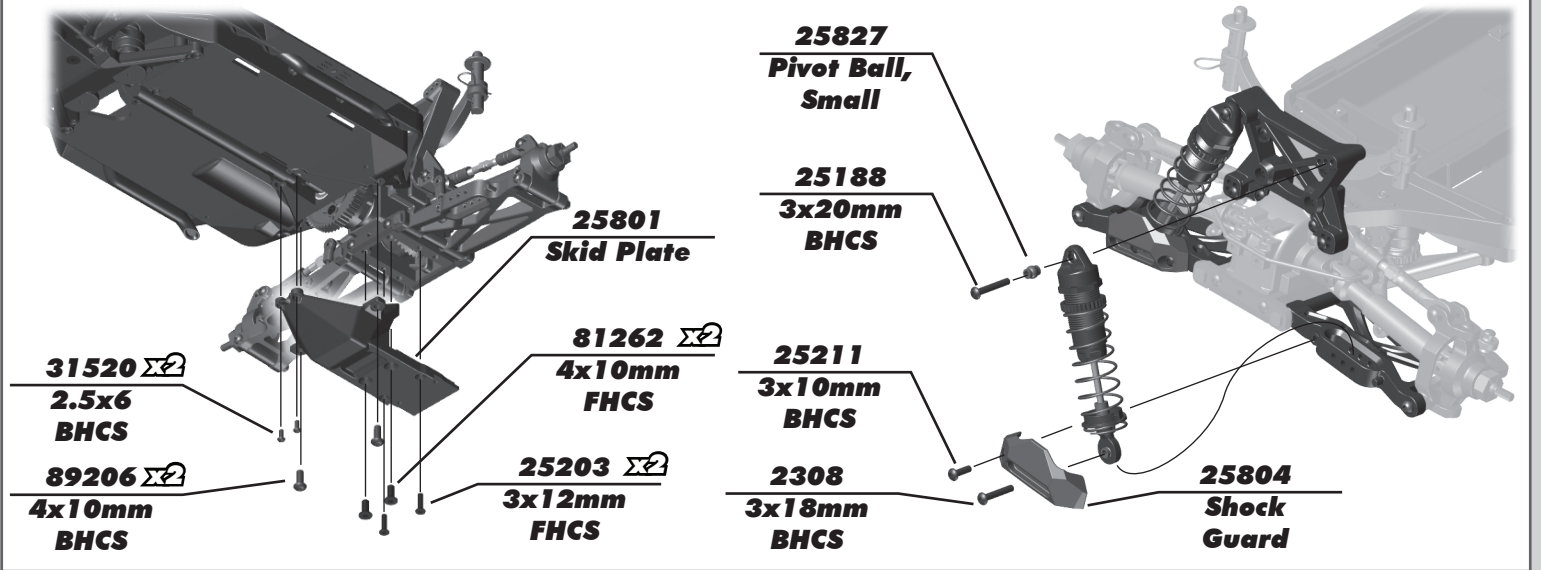
**:: Step 27**



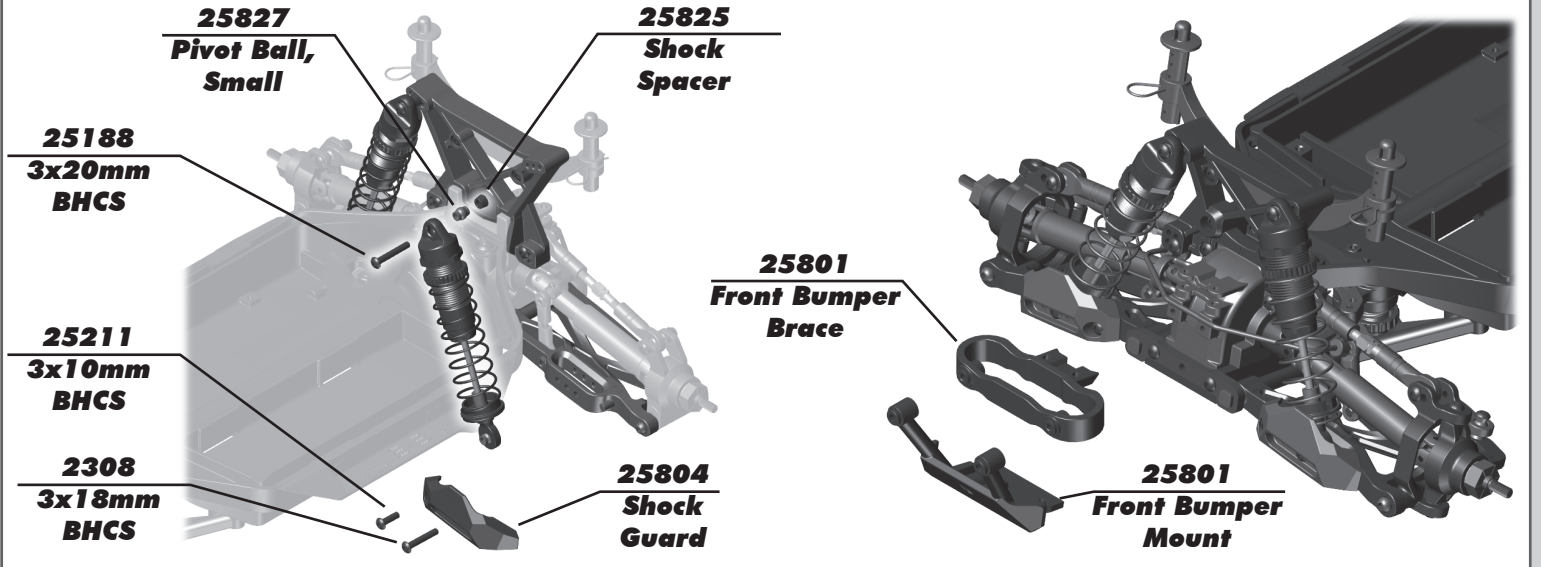
**:: Step 28**



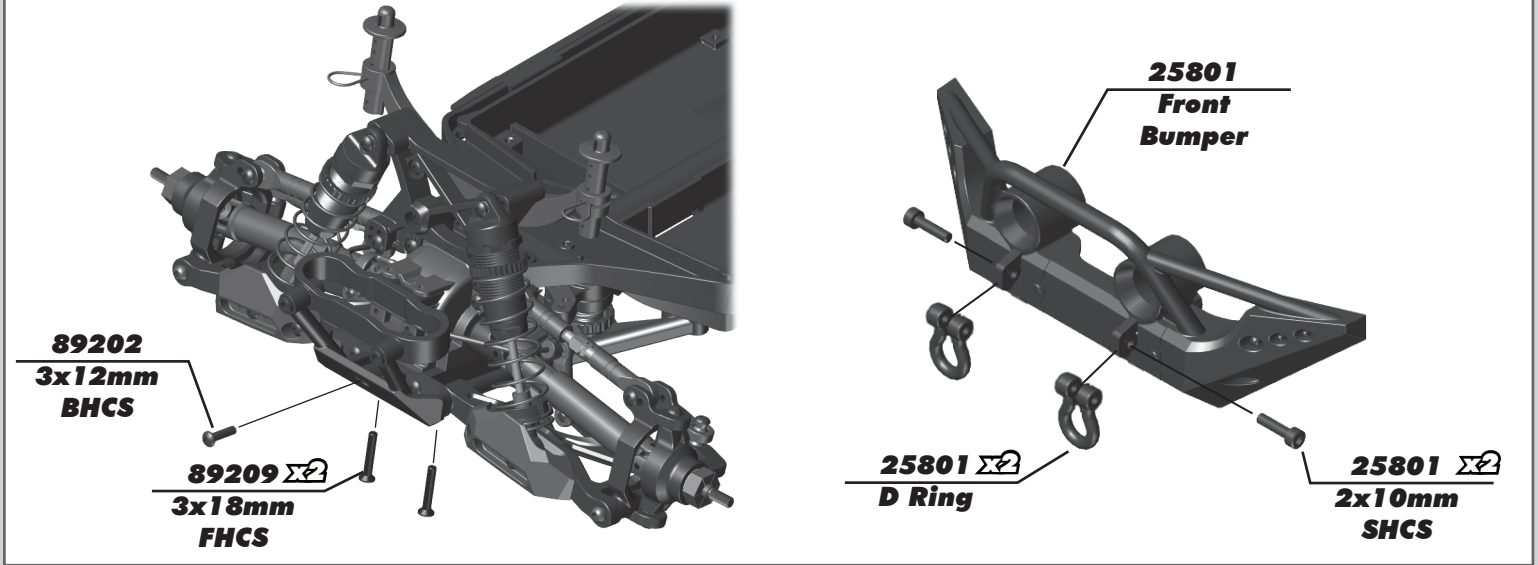
**:: Step 29**



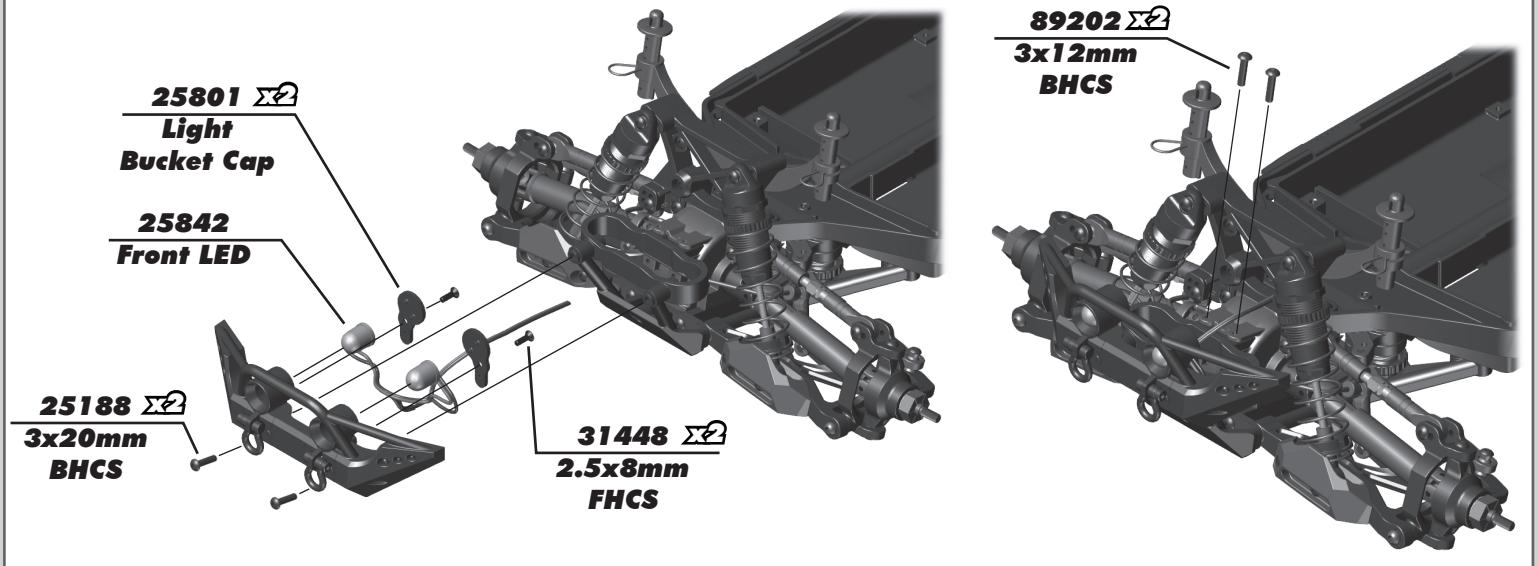
**:: Step 30**



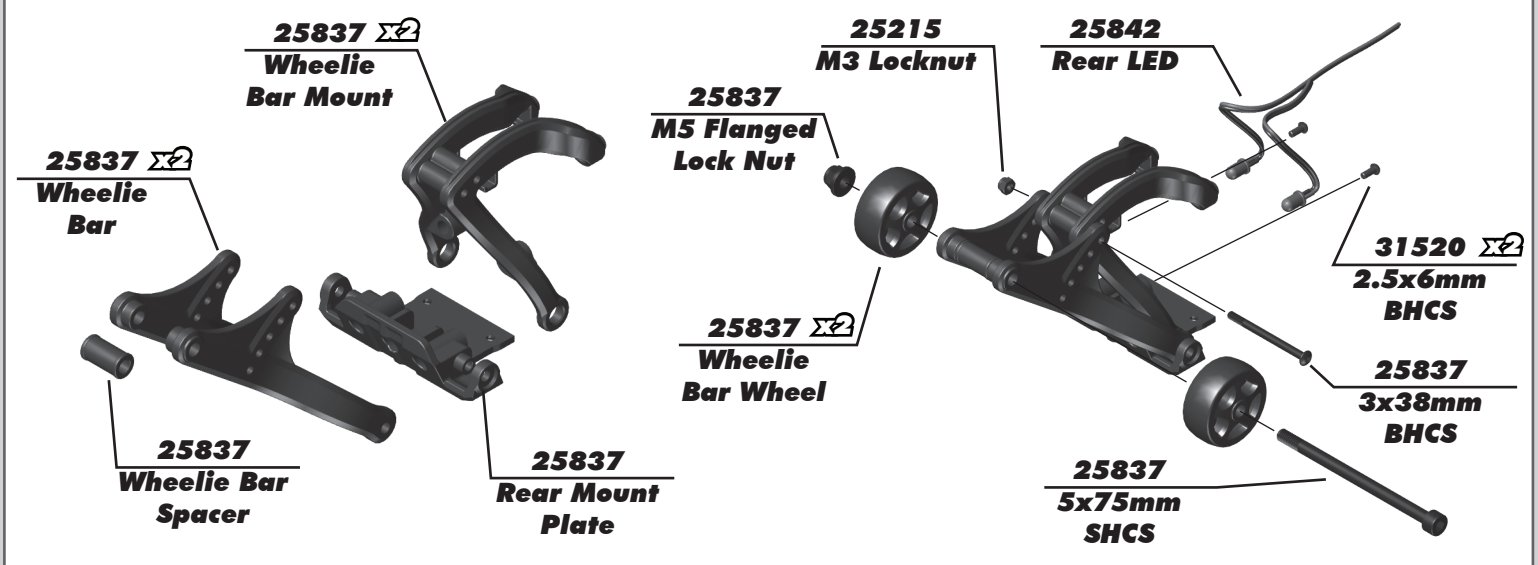
**:: Step 31**



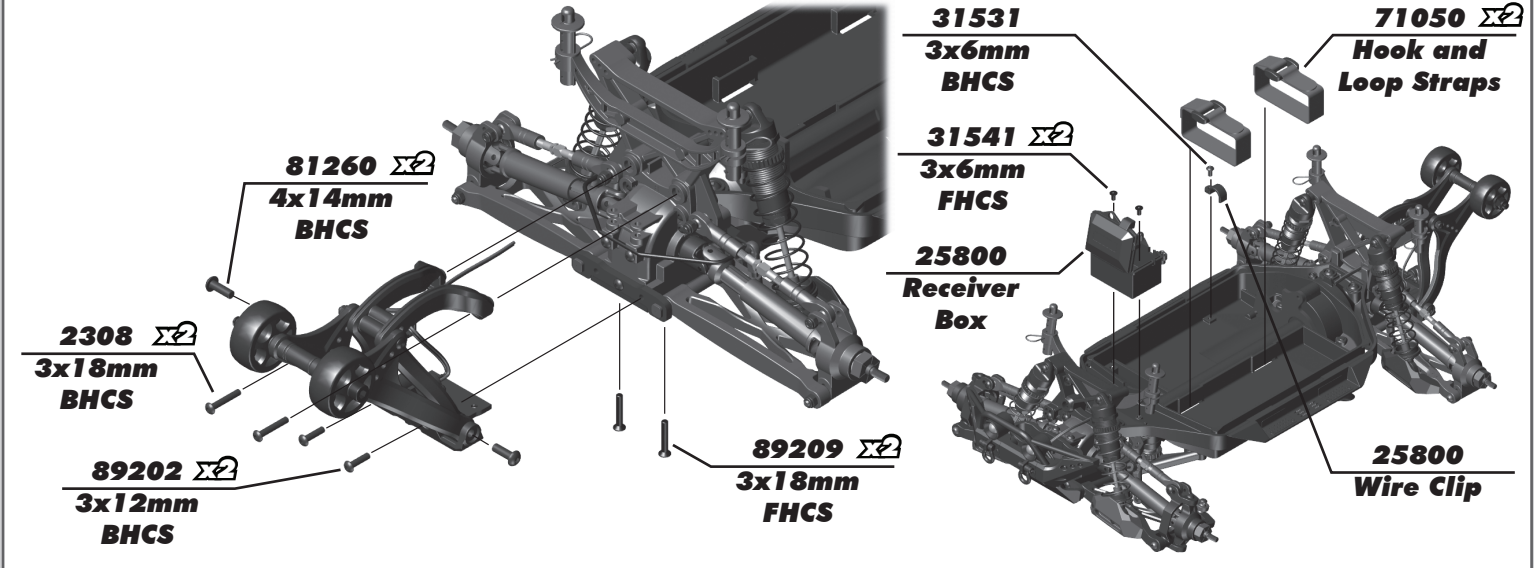
**:: Step 32**



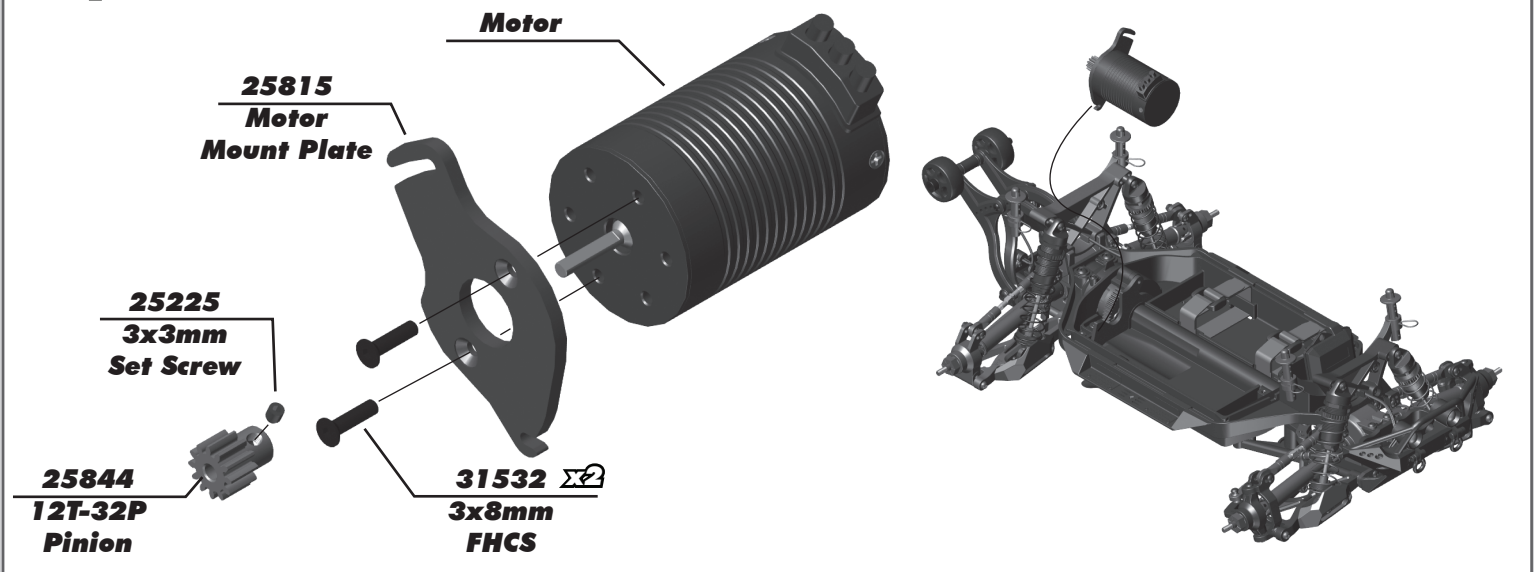
**:: Step 33**



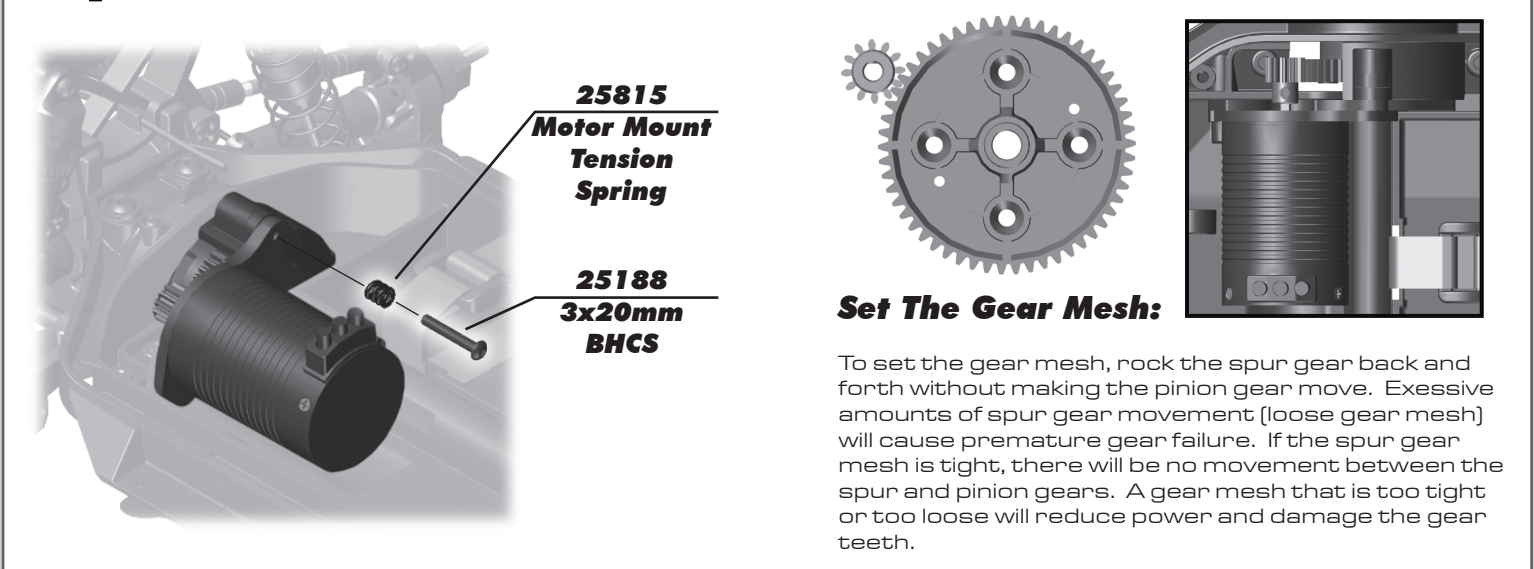
**:: Step 34**



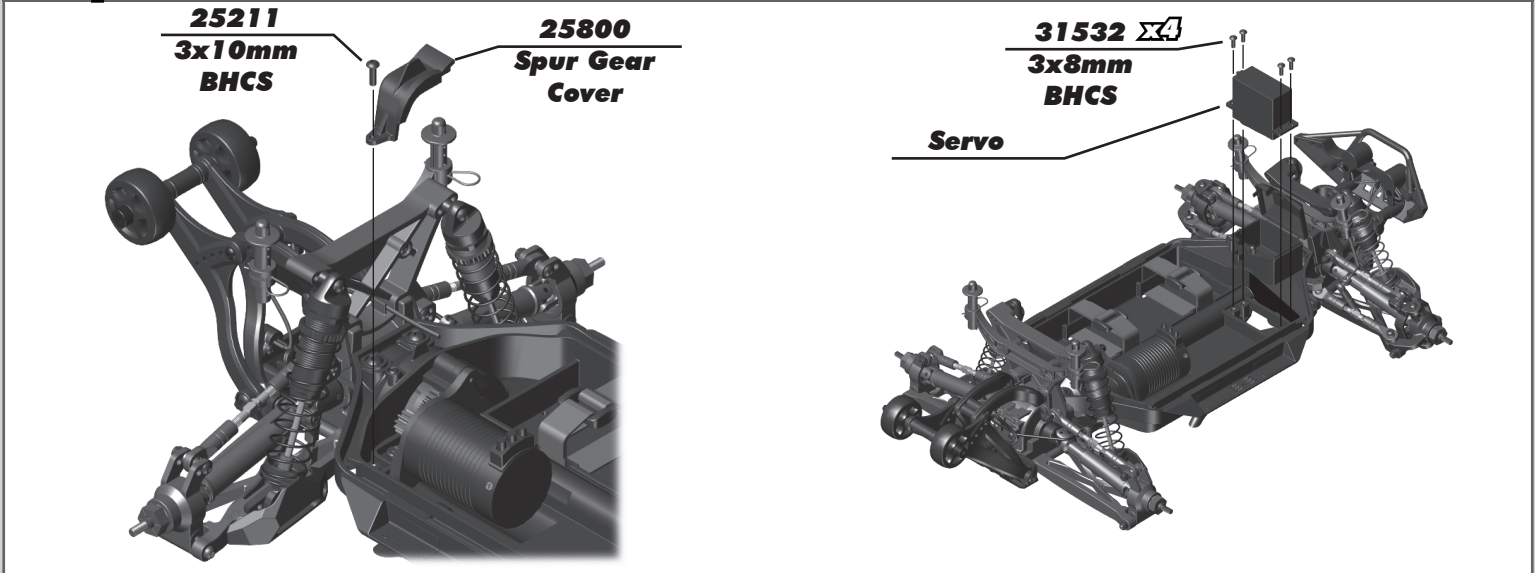
**:: Step 35**



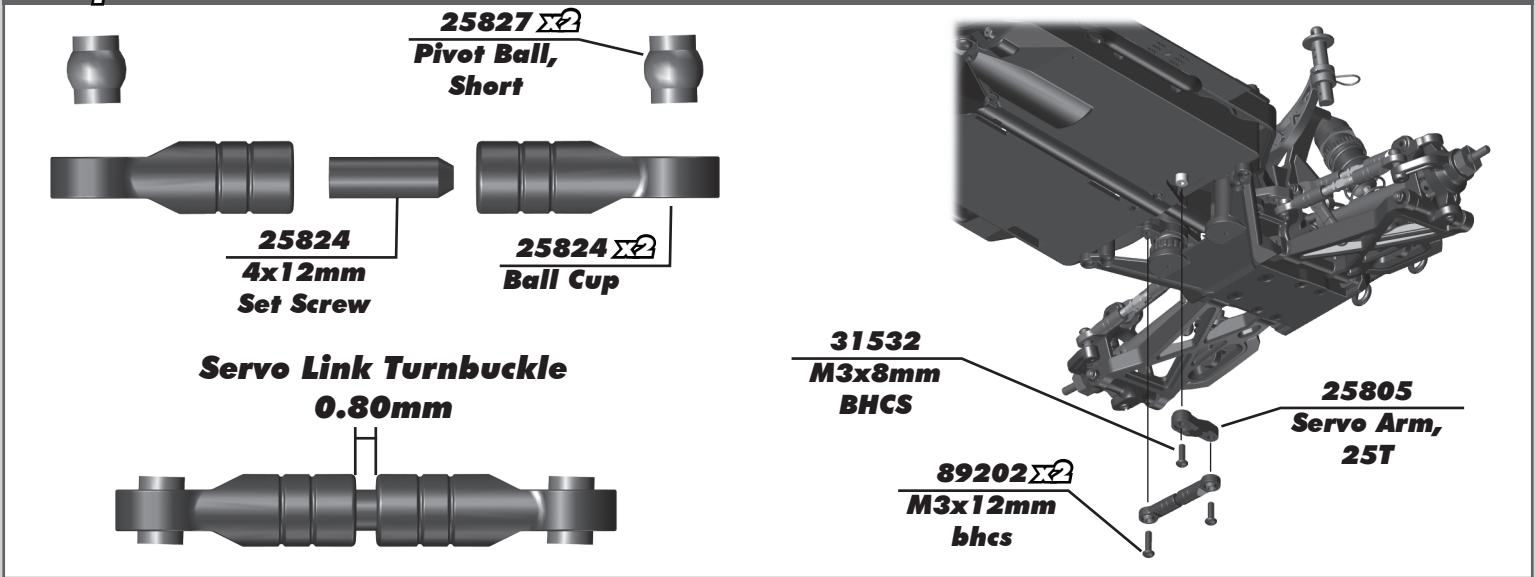
**:: Step 36**



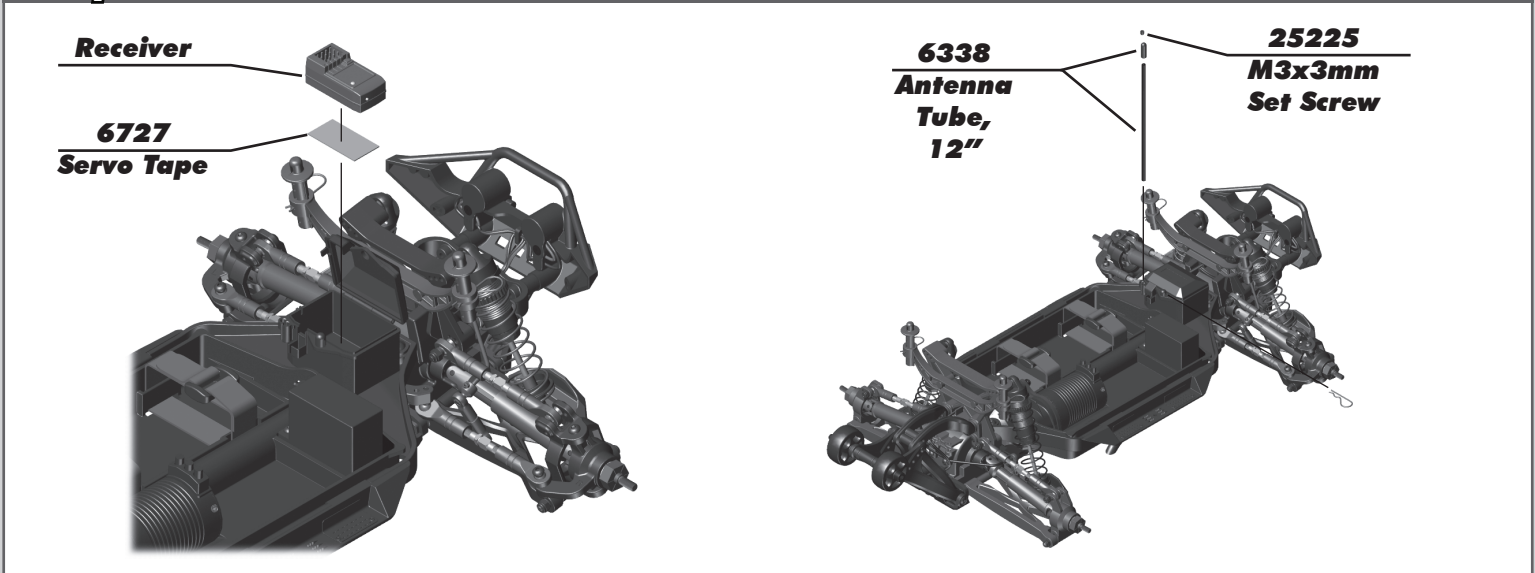
**:: Step 37**



**:: Step 38**



**:: Step 39**



**:: Step 40**

**ESC**

**Battery**

**6727 Servo Tape**

**25841 MT10 Tire**

**#1597 ca glue**

**25841 MT10 Insert**

**25841 Method Race Wheel**

**Build 4**

**!**

Carefully apply ca glue (tire adhesive) to the tire bead on the side. Do one side at a time, allowing it to dry before gluing the other side!

**CA glue not included!**

**:: Step 41**

**Install 4**

**25841 X2 Method Race Wheel Cap**

**91738 X2 M4 Black Nut Serrated Aluminum**

**6332 X4 Body Clip**

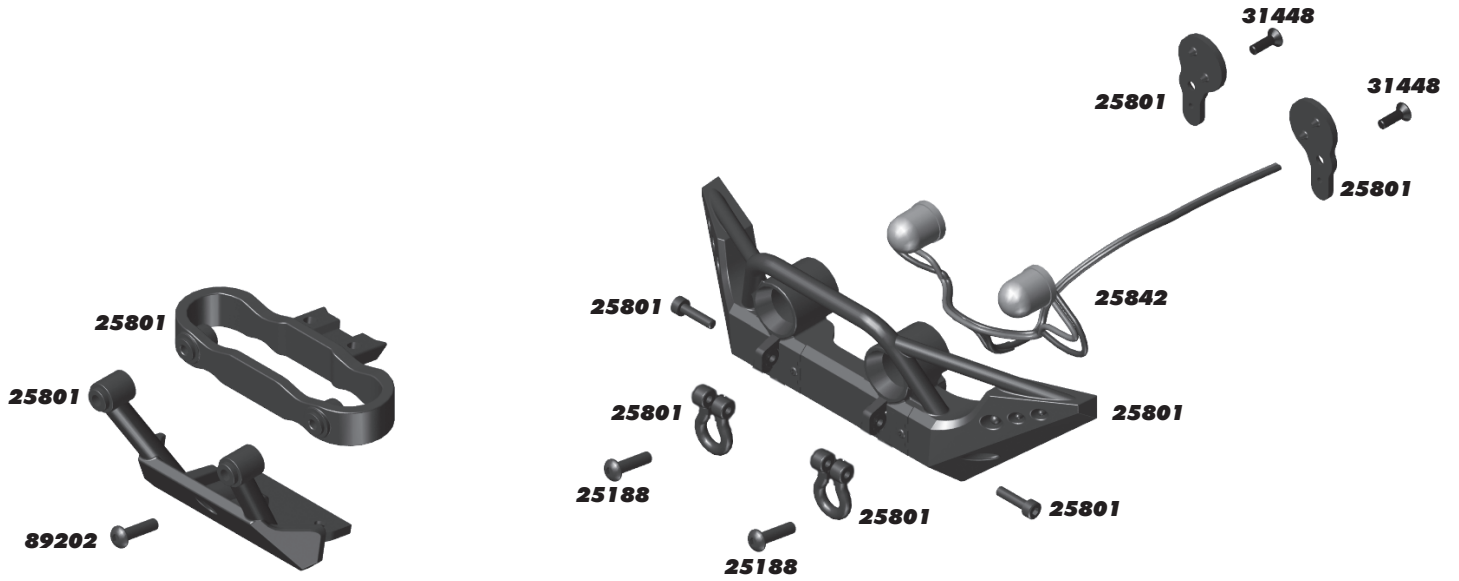
**25839 Rival MT10 Body, Painted (Red/Blue)**





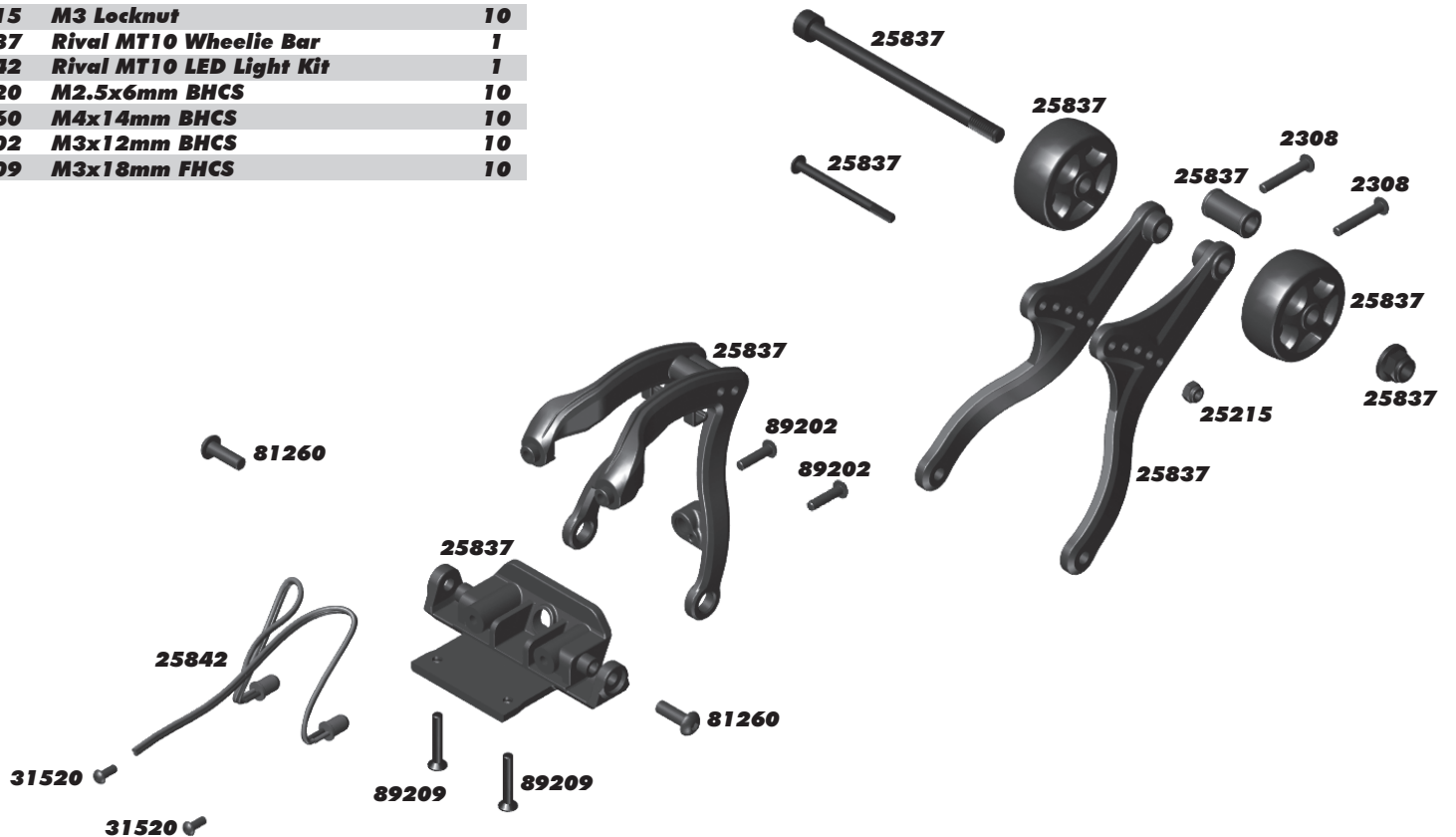
**:: Front Bumpers**

<b>25188</b>	<b>M3x20mm BHCS</b>	<b>10</b>
<b>25801</b>	<b>Rival MT10 Skid Plates</b>	<b>1</b>
<b>25842</b>	<b>Rival MT10 LED Light Kit</b>	<b>1</b>
<b>31448</b>	<b>M2.5x8mm FHCS</b>	<b>10</b>
<b>89202</b>	<b>M3x12mm BHCS</b>	<b>10</b>



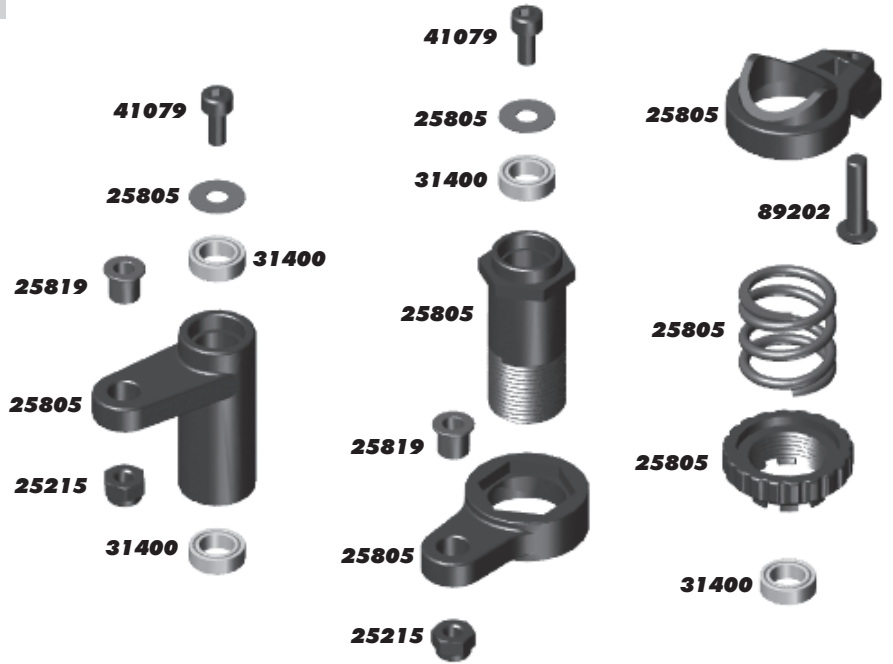
**:: Rear Bumpers**

<b>2308</b>	<b>M3x18mm BHCS</b>	<b>10</b>
<b>25215</b>	<b>M3 Locknut</b>	<b>10</b>
<b>25837</b>	<b>Rival MT10 Wheelie Bar</b>	<b>1</b>
<b>25842</b>	<b>Rival MT10 LED Light Kit</b>	<b>1</b>
<b>31520</b>	<b>M2.5x6mm BHCS</b>	<b>10</b>
<b>81260</b>	<b>M4x14mm BHCS</b>	<b>10</b>
<b>89202</b>	<b>M3x12mm BHCS</b>	<b>10</b>
<b>89209</b>	<b>M3x18mm FHCS</b>	<b>10</b>



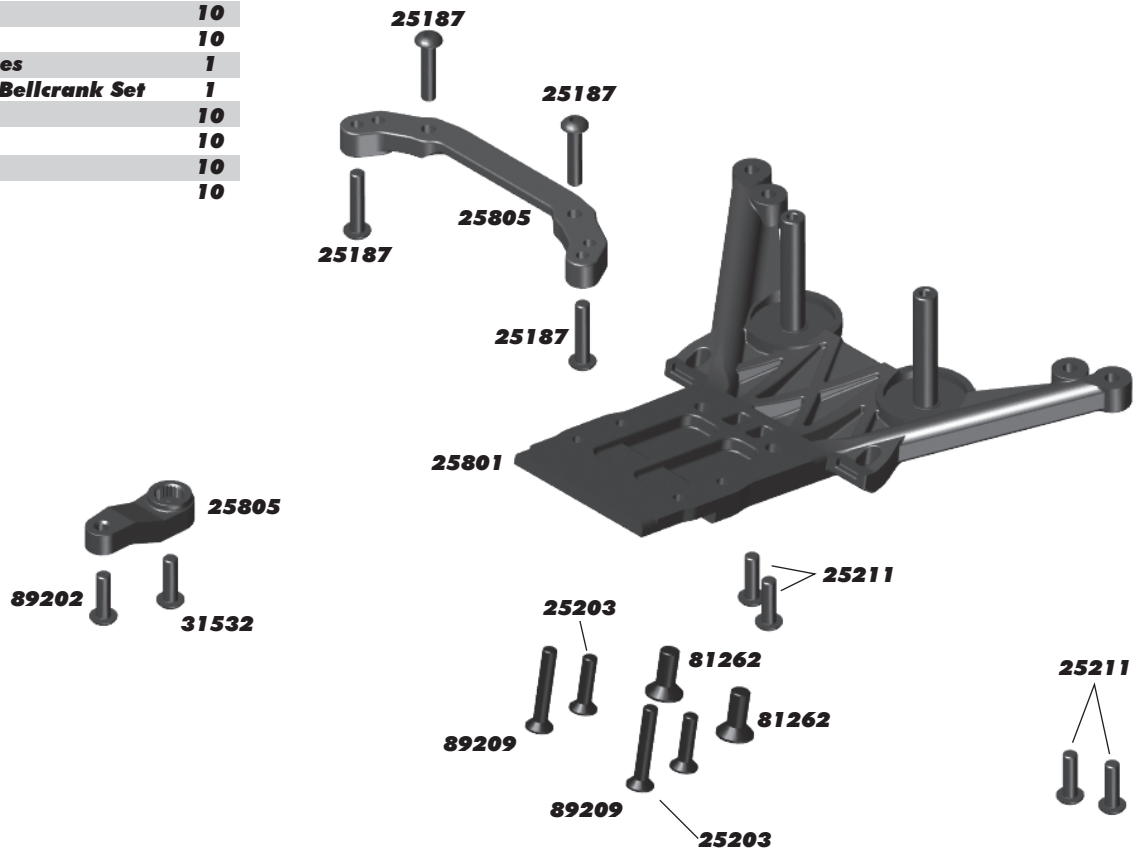
### :: Steering Bellcrank

<b>25215</b>	<b>M3 Locknut</b>	<b>10</b>
<b>25805</b>	<b>Rival MT10 Steering Bellcrank Set</b>	<b>1</b>
<b>25819</b>	<b>Rival MT10 Hat Bushing Set</b>	<b>1</b>
<b>31400</b>	<b>5x8x2.5mm Bearing</b>	<b>4</b>
<b>41079</b>	<b>M2.5x6mm SHCS</b>	<b>10</b>
<b>89202</b>	<b>M3x12mm BHCS</b>	<b>10</b>



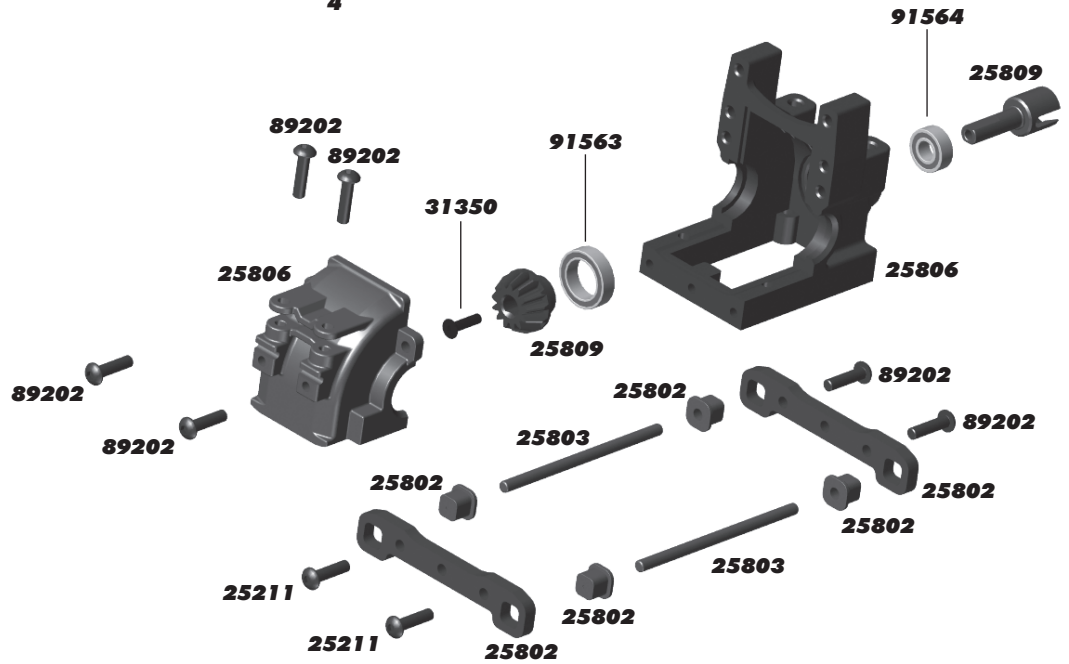
### :: Front Bulkhead

<b>25187</b>	<b>M3x14mm BHCS</b>	<b>10</b>
<b>25203</b>	<b>M3x12mm FHCS</b>	<b>10</b>
<b>25211</b>	<b>M3x10mm BHCS</b>	<b>10</b>
<b>25801</b>	<b>Rival MT10 Skid Plates</b>	<b>1</b>
<b>25805</b>	<b>Rival MT10 Steering Bellcrank Set</b>	<b>1</b>
<b>31532</b>	<b>M3x8mm BHCS</b>	<b>10</b>
<b>81262</b>	<b>M4x10mm FHCS</b>	<b>10</b>
<b>89202</b>	<b>M3x12mm BHCS</b>	<b>10</b>
<b>89209</b>	<b>M3x18mm FHCS</b>	<b>10</b>



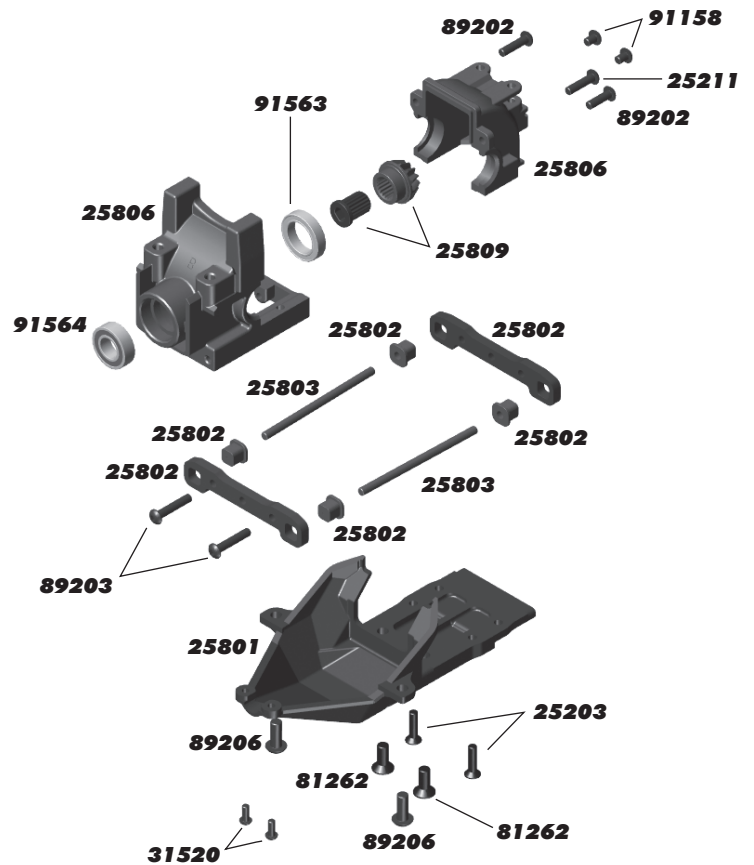
**:: Front Gearbox**

25211	M3x10mm BHCS	10
25802	Rival MT10 Arm Mounts	1
25803	Roval MT10 Hinge Pin Set	1
25806	Rival MT10 Front & Rear Gearboxes	1
25809	Rival MT10 Oudrive Shaft & Pinion Set	1
31350	M2.5x10mm FHCS	10
89202	M3x12mm BHCS	10
91563	FT 10x15x4mm Bearing	4
91564	FT 8x16x5mm Bearing	4



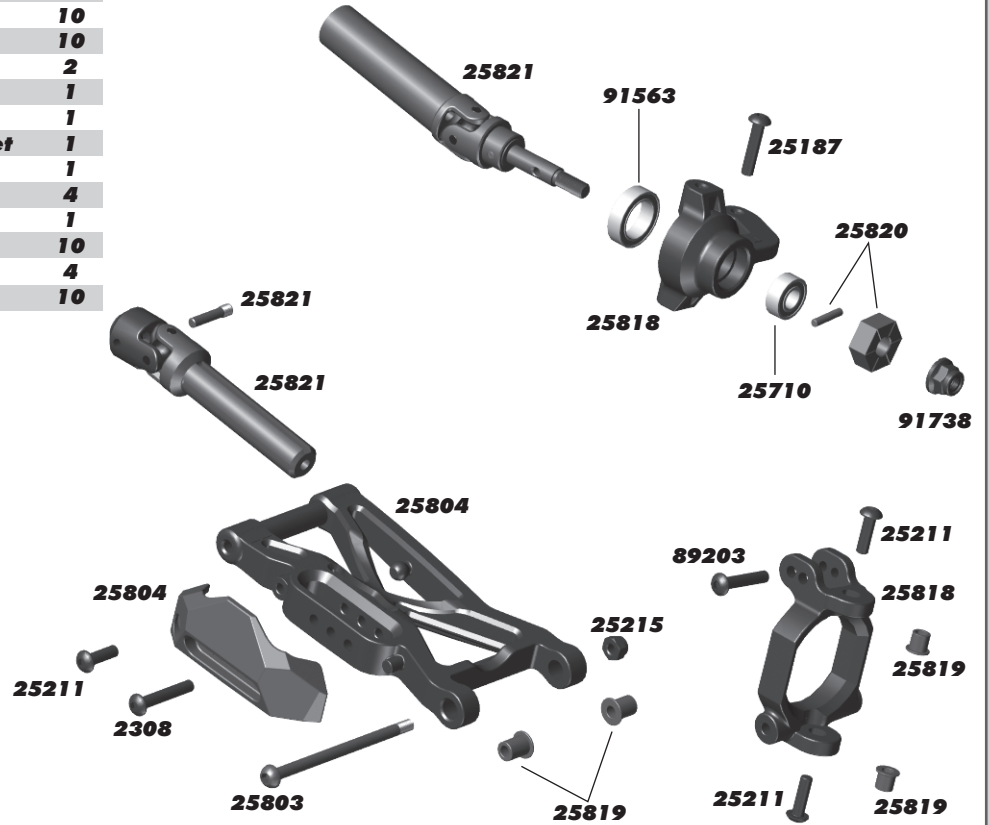
**:: Rear Gearbox**

25203	M3x12mm FHCS	10
25211	M3x10mm BHCS	10
25801	Rival MT10 Skid Plates	1
25802	Rival MT10 Arm Mounts	1
25803	Roval MT10 Hinge Pin Set	1
25806	Rival MT10 Front & Rear Gearboxes	1
25809	Rival MT10 Oudrive Shaft & Pinion Set	1
31520	M2.5x6mm BHCS	10
81262	M4x10mm FHCS	10
89202	M3x12mm BHCS	10
89203	M3x16mm BHCS	10
89206	M4x10mm BHCS	10
91158	M3x4mm BHCS	10
91563	FT 10x15x4mm Bearing	4
91564	FT 8x16x5mm Bearings	4



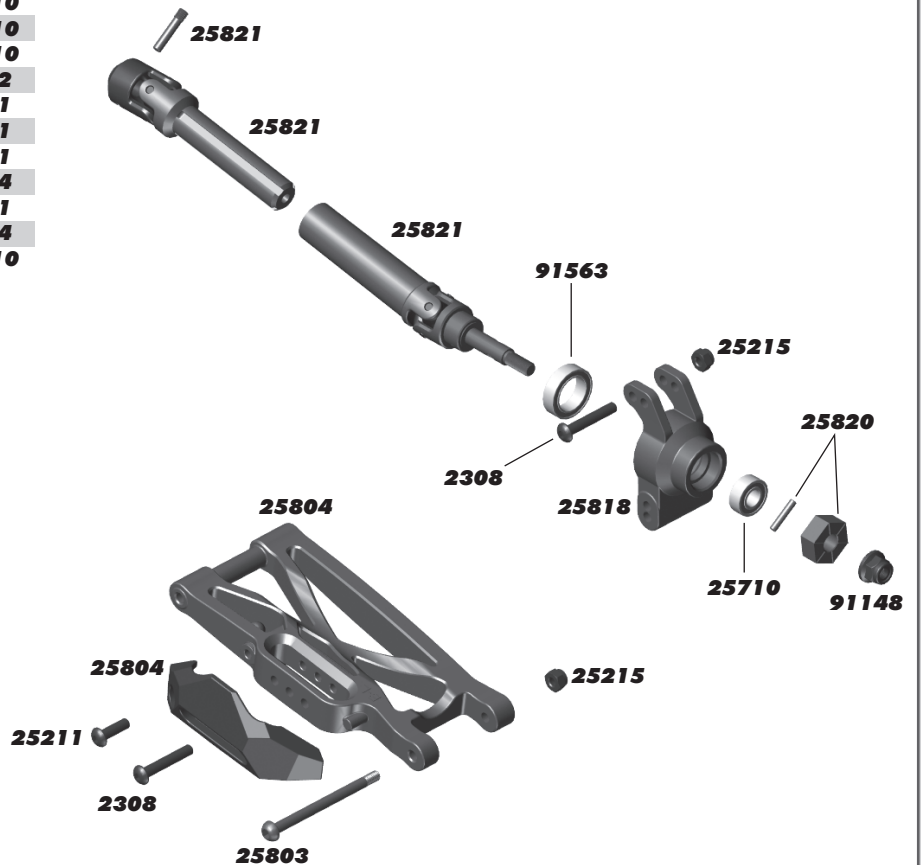
**:: Front Arm**

2308	M3x18mm BHCS	10
25187	M3x14mm BHCS	10
25211	M3x10mm BHCS	10
25215	M3 Locknut	10
25710	5x11x4mm Bearings	2
25803	Rival MT10 Hinge Pin Set	1
25804	Rival MT10 Suspension Arm Set	1
25818	Rival MT10 Caster & Steering Block Set	1
25819	Rival MT10 Hat Bushing Set	1
25820	Rival MT10 12mm Wheel Hexes	4
25821	Rival MT10 Drive Shaft Set	1
89203	M3x16mm BHCS	10
91563	FT 10x15x4mm Bearings	4
91738	M4 Black Nut, Serrated Aluminum	10



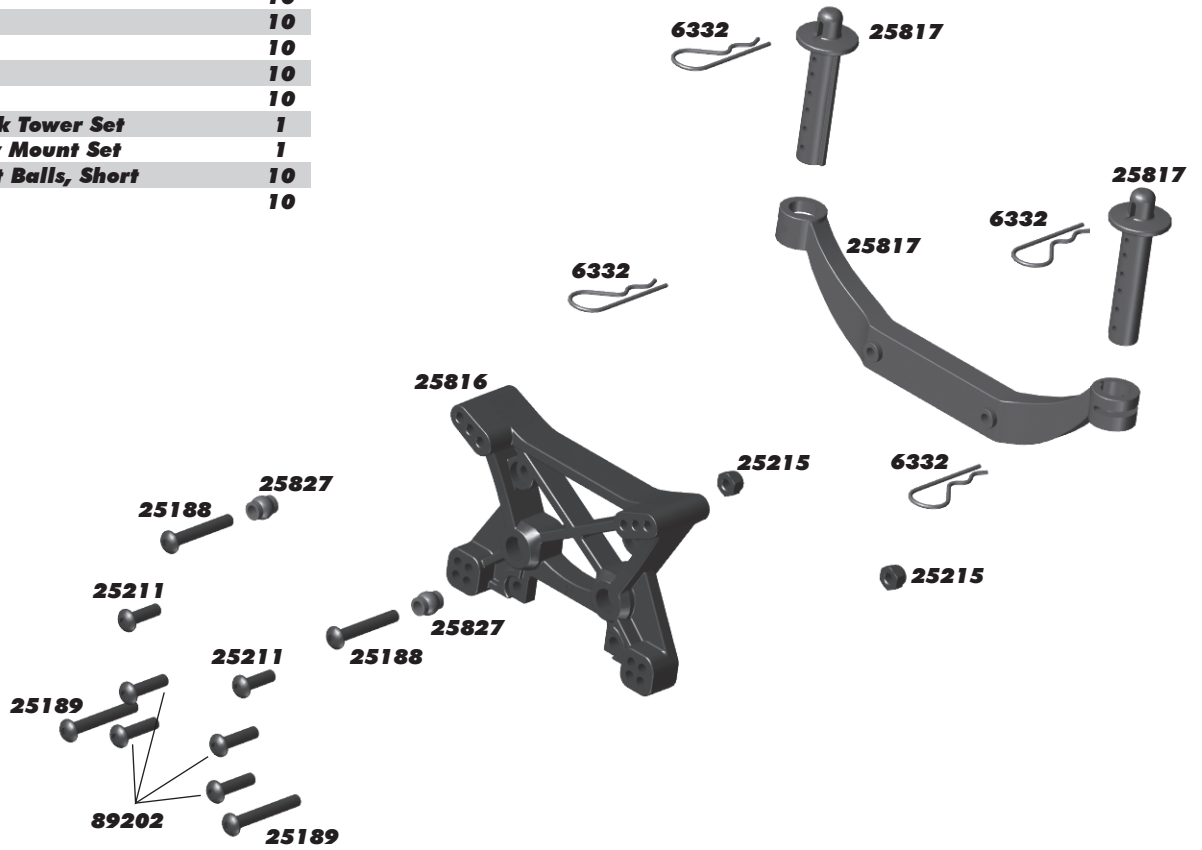
**:: Rear Arm**

2308	M3x18mm BHCS	10
25211	M3x10mm BHCS	10
25215	M3 Locknut	10
25710	5x11x4mm Bearings	2
25803	Rival MT10 Hinge Pin Set	1
25804	Rival MT10 Suspension Arm Set	1
25818	Rival MT10 Caster & Steering Block Set	1
25820	Rival MT10 12mm Wheel Hexes	4
25821	Rival MT10 Drive Shaft Set	1
91563	FT 10x15x4mm Bearings	4
91738	M4 Black Nut, Serrated Aluminum	10



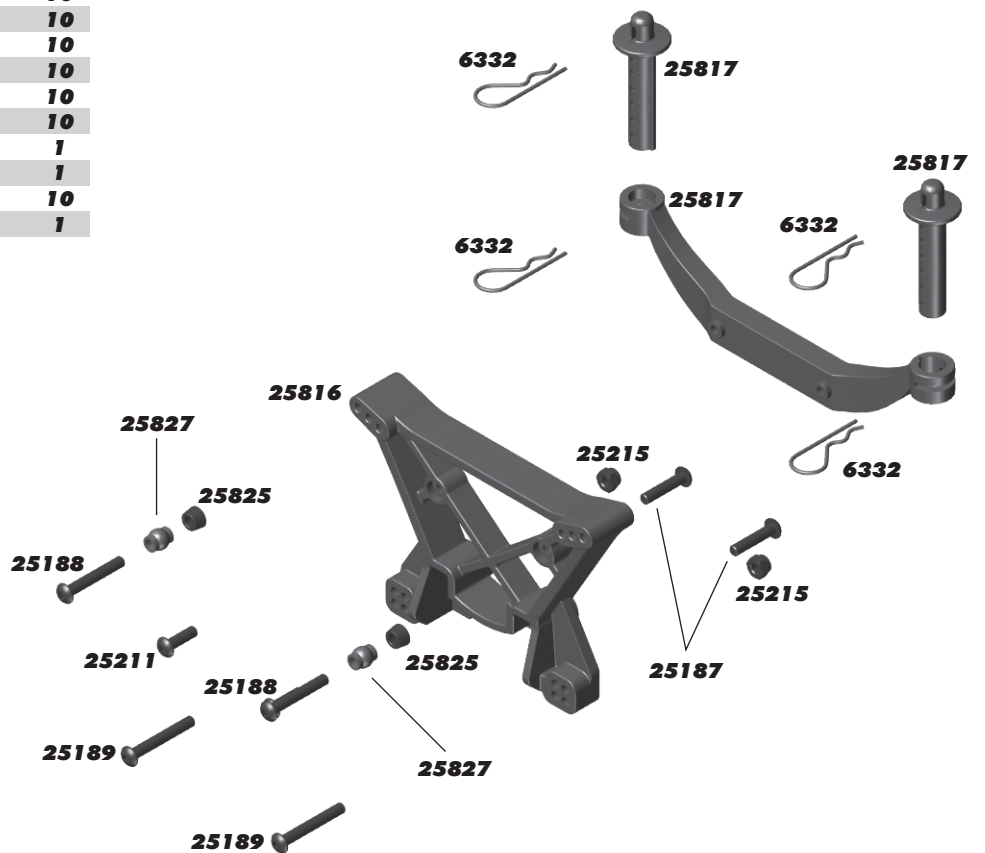
**:: Front Shock Tower**

6332	Body Clips	10
25188	M3x20mm BHCS	10
25189	M3x22mm BHCS	10
25211	M3x10mm BHCS	10
25215	M3 Locknut	10
25816	Rival MT10 Shock Tower Set	1
25817	Rival MT10 Body Mount Set	1
25827	Rival MT10 Pivot Balls, Short	10
89202	M3x12mm BHCS	10



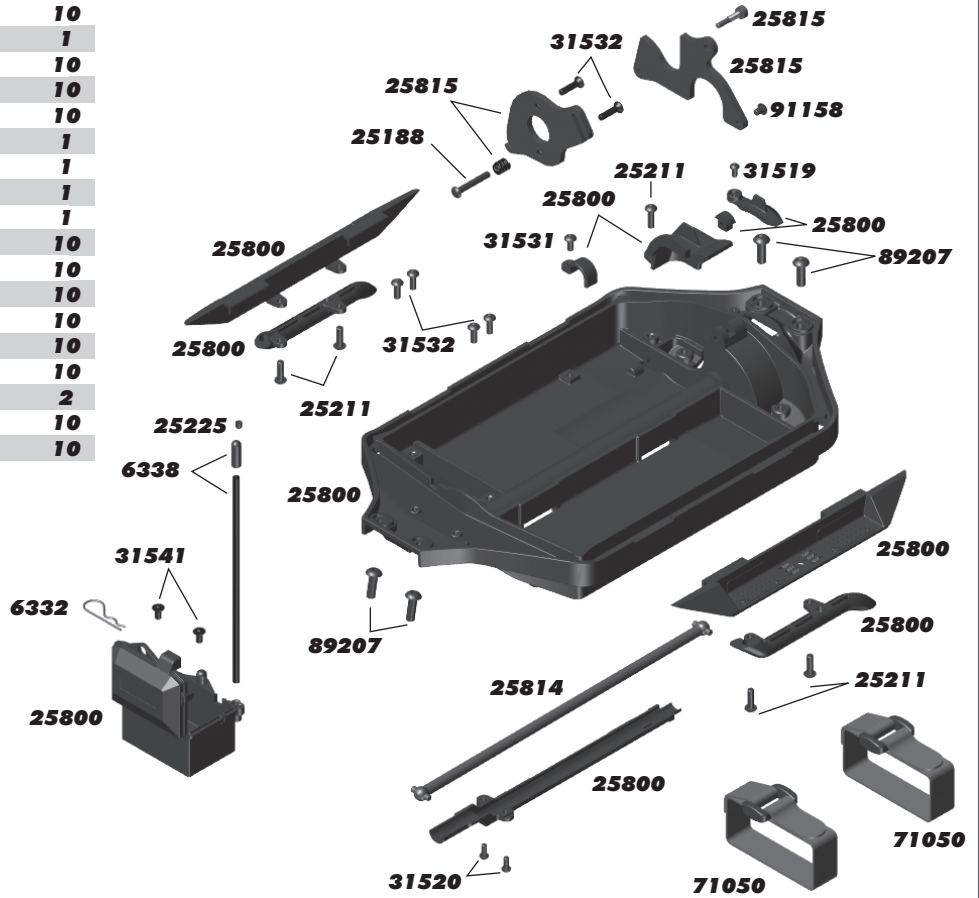
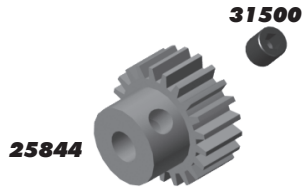
**:: Rear Shock Tower**

6332	Body Clips	10
25187	M3x14mm BHCS	10
25188	M3x20mm BHCS	10
25189	M3x22mm BHCS	10
25211	M3x10mm BHCS	10
25215	M3 Locknut	10
25816	Rival MT10 Shock Tower Set	1
25817	Rival MT10 Body Mount Set	1
25827	Rival MT10 Pivot Balls, Short	10
25825	Rival MT10 Shock Set	1



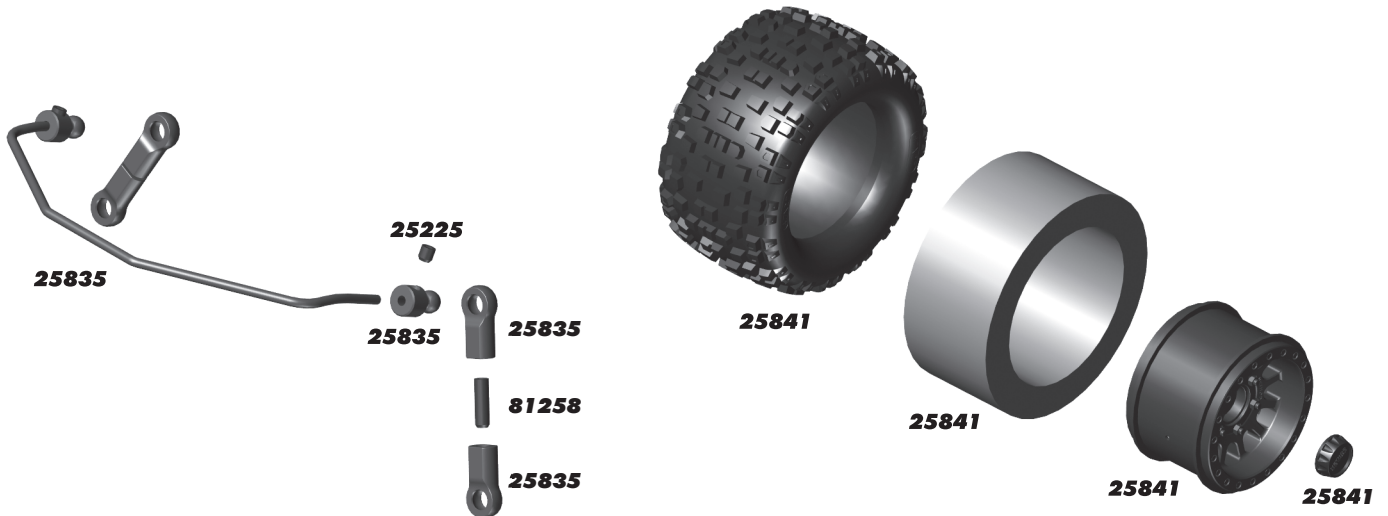
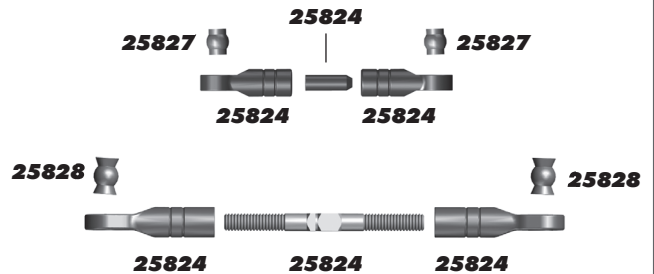
**:: Chassis**

6332	Body Clips	10
6338	Antenna Tube, 12"	1
25188	M3x20mm BHCS	10
25211	M3x10mm BHCS	10
25225	M3x3mm Set Screw	10
25800	Rival MT10 Chassis	1
25814	Rival MT10 Center Drive Shaft	1
25815	Rival MT10 Motor Mount Set	1
25844	12T-32P Pinion Gear	1
31500	M3x2.5mm Set Screw	10
31519	M2.5x5mm BHCS	10
31520	M2.5x6mm BHCS	10
31531	M3x6mm BHCS	10
31532	M3x8mm BHCS	10
31541	M3x6mm FHCS	10
71050	Hook and Loop Straps	2
89207	M4x12mm BHCS	10
91158	M3x4mm BHCS	10



**:: Turnbuckles / Swaybars / Wheels / Tires**

25225	M3x3mm Set Screw	10
25824	Rival MT10 Turnbuckle Set	1
25827	Rival MT10 Pivot Balls, Short	10
25828	Rival MT10 Pivot Balls, Long	10
25835	Rival MT10 Front Anti-Roll Bar Set	1
25838	Rival MT10 Body, Clear	1
25839	Rival MT10 Body, Red/Blue	1
25841	Rival MT10 Off Road Tires & Method Wheels, Mounted	2
81258	M3x12mm Set Screw	10



**:: Lubes & Adhesives / Decals / Misc.**

1105	FT Green Slime Shock Lube	1
1596	FT Locking Adhesive	1
1597	FT Tire Adhesive	1
6588	Black Grease - 4cc	1
6591	S.Diff Lube - 4cc	1
6636	Silicone Grease - 4cc	1
6727	Servo Tape	2
726	Reedy 2016 Sticker Set	1
3840	2016 Team Associated Decal Sheet	1

**:: 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

**:: Reedy 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	1
755	Wolfpack LiPo 4500mAh 35C 11.1V w/T-Plug	1
758	Wolfpack LiPo 3000mAh 30C 7.4V w/T-Plug	1
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

**:: Reedy Chargers / Accessories****CHARGERS**

27200	1216-C2 Dual AC/DC Competition Battery Charger	1
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

**:: Reedy 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	1
27111	1514MG Digital RTR Servo	1
27114	RT2406 Digital HV Brushless Competition Servo	1
27115	RT2706A Digital HV Alum. Brushless Comp. Servo	1
27130	1514MG Servo Gear Set	1
27135	RT2406 Gear Set	1
27136	RT2706A Gear Set	1
27139	RT2406 Case Set	1

**SPORTS MOTOR**

907	540-SL4 3300kV 4-pole Sensorless Brushless Motor	1
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**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****TEE SHIRTS**

SP124*	AE 2017 Worlds Tee, Black (S, M, L, XL-5XL)	1
SP126*	Team Associated Tri T-Shirt, Black, (S, M, L, XL-5XL)	1
SP128*	Team Associated Womens Tri T-Shirt, Black, (S, M, L)	1
SP129*	Team Associated Youth Tri T-Shirt, Black, (S, M, L)	1
SP143*	Reedy W19 T-Shirt, Black, (S, M, L, XL-3XL)	1
SP200*	Element RC Logo T-Shirt, Gray, (S, M, L, XL-5XL)	1
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)	1
SP127*	Team Associated Tri Zip-Up, Black, (S, M, L, XL-3XL)	1
SP231*	Element RC Logo Pullover, Black, (S, M, L, XL-5XL)	1
SP142*	Reedy W19 Pullover, Black, (S, M, L, XL-3XL)	1
SP160*	Factory Team Logo Lightweight "Medal" Zip Up Streaked, Black, (S, M, L, XL-4XL)	1

**HATS**

SP20	AE Patch Trucker Hat	1
SP260	Element RC Hat, Curved Bill, Black	1
SP261	Element RC Hat, Flat Bill, Black	1
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	1
SP116	Reedy Power Vinyl Banner, 48x24	1
SP117	Reedy power Cloth Banner, 96x24	1
SP118	Reedy Power Cloth Banner, 48x24	1
SP300	Team Associated Vinyl Banner, 48x24	1
SP301	Factory Team Vinyl Banner, 48x24	1
SP302	Team Associated Cloth Banner, 96x24	1
SP303	Team Associated Cloth Banner, 48x24	1
SP304	Factory Team Cloth Banner, 96x24	1
SP305	Factory Team Cloth Banner, 48x24	1
SP425	FT Fluid Carrier	1

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

**:: Tools**

1111	FT Turnbuckle Wrench	1
1112	FT 4mm Turnbuckle Wrench	1
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	1
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, 1.5mm, 2.5mm, 5/64"- 2.0mm ball, 2.5mm ball)	1
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

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