

# SC10RS

SHORT COURSE-RACE SPEC



#7046 SC10RS RTR Lucas Oil  
#7047 SC10RS RTR Monster Energy  
#7048 SC10RS RTR Procomp  
#7049 SC10RS RTR Rockstar/Makita

**BRUSHLESS**  
**Ready-To-Run**

1:10 Scale Electric 2WD Off Road Race Truck Manual & Catalog

6/11

# TEAM ASSOCIATED



Designed in California, USA

## :: Introduction

Thank you for purchasing this Team Associated product. This assembly manual contains instructions and tips for building and maintaining your new SC10. Please take a moment to read through this manual to help familiarize yourself with these steps.

We are continually changing and improving our designs; therefore, actual parts may appear slightly different than in 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.

## :: SC10 RS RTR Features

Team Associated, the only RC car company with 24 World Championships is proud to present the SC10 RS RTR!

Features in the SC10 RS RTR:

- 2010 ROAR National Champion short course race truck
- XP3-SS 2.4GHz 3-channel radio system with XP S1903MG metal gear steering servo
- Water Resistant High-Power XP SC700 Brushless Speed Control
- Reedy Power 3300 KV Brushless Motor
- Water-Resistant enclosed receiver box
- Blue anodized V2 coil-over shocks with adjustable pre-load
- 2.6:1 ratio gearbox with heavy duty sealed gear differential and externally adjustable V2 slipper clutch
- KMC® replica hex-drive wheels front and rear
- JConcepts racing compound rear tires and inserts
- Championship short course racing truck body
- Realistic bumpers front and rear with AE logo mud flaps
- Molded battery hold-down strap fits NiMH & LiPo battery packs
- 14 precision rubber sealed ball bearings

## :: Additional

### :: SC10 RS RTR

Your new SC10 RS RTR comes factory assembled including radio gear, motor, and ESC. However, there are some items you will need to complete your kit.

Items needed:

- AA-size batteries for transmitter (x8)
- Peak Detection battery charger
- 6 cell NiMH battery pack or 2S LiPo battery pack w/Deans® Ultra Plug® connector

Tools included:

- Allen wrenches #6950 (.050", 1/16", 3/32", 5/64")
- 1.5mm allen wrench
- Molded tools #6956
- Camber gauge #1719

## :: Optional

Optional parts and gear to accessorize and maintain your SC10:

- |   |                                      |
|---|--------------------------------------|
| • Green Slime shock lube (AE Part # 1105)                       | • Hobby Knife                        |
| • Cyanoacrylate glue (AE Part # 1597)                           | • Needle Nose Pliers                 |
| • Thread Locking Compound (AE Part # 1596)                      | • Wire Cutters                       |
| • Silicone Shock Fluid (Refer to catalog for complete listings) | • Soldering Iron                     |
| • Silicone Diff Fluid (Refer to catalog for complete listings)  | • Calipers or a Precision Ruler      |
| • Body Scissors (AE Part # 1737)                                | • Reamer / Hole Punch                |
| • 8 Piece Hex Driver Set (AE Part # 1655)                       | • FT Nut Driver Set (AE Part # 1561) |
| • FT Hex Wrenches (AE Part # 1541)                              |                                      |



★ These Symbols Indicate a special note or instructions.

**There is a 1:1 fold out in the back of the manual. Fold it out while building your kit for easy parts sizing!**

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<http://www.TeamAssociated.com> • <http://www.RC10.com> • [http://twitter.com/Team\\_Associated](http://twitter.com/Team_Associated) • <http://bit.ly/AEonFacebook>

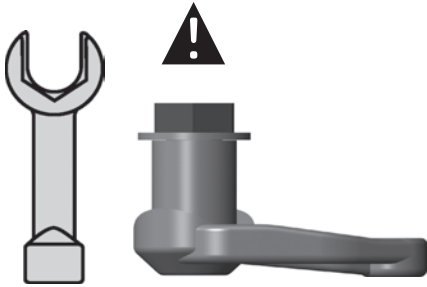


## :: Steering Rack Build

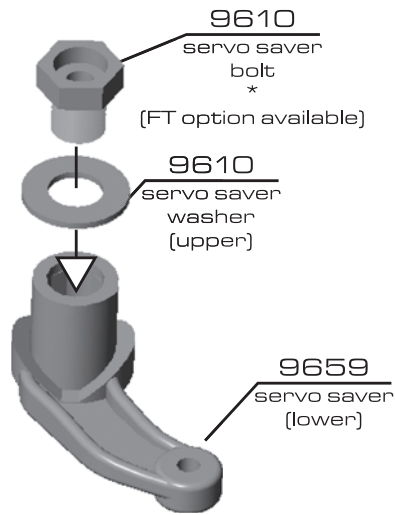
### BAG A

#### A2

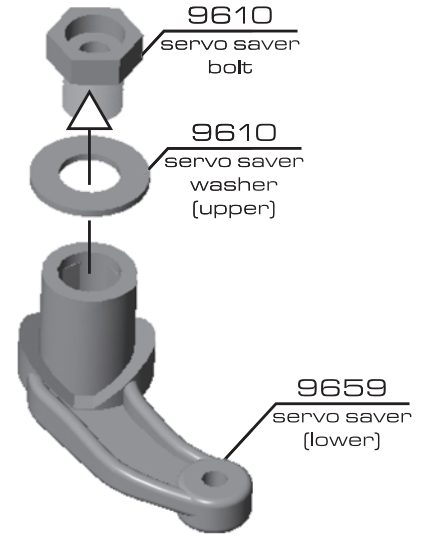
#### STEP 1



\* With supplied wrench, tighten servo saver bolt completely, **until it hits bottom**. Do not over tighten.



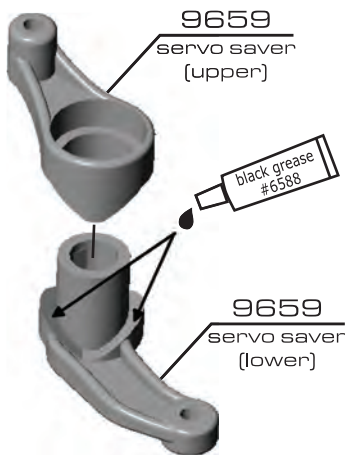
**Remove** bolt and washer, continue assembly per instructions.



## :: Steering Rack Build (cont.)

#### A2

#### STEP 2

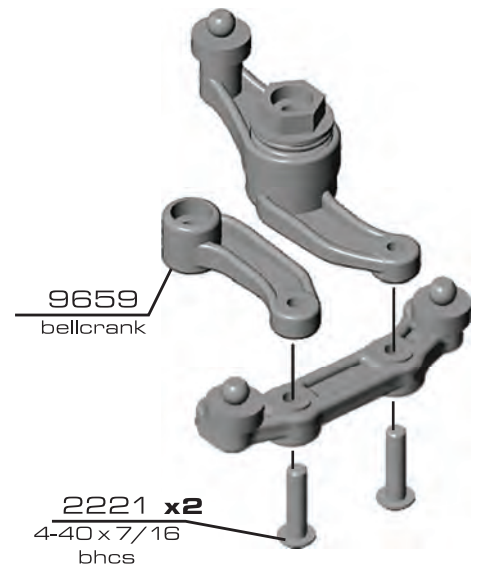
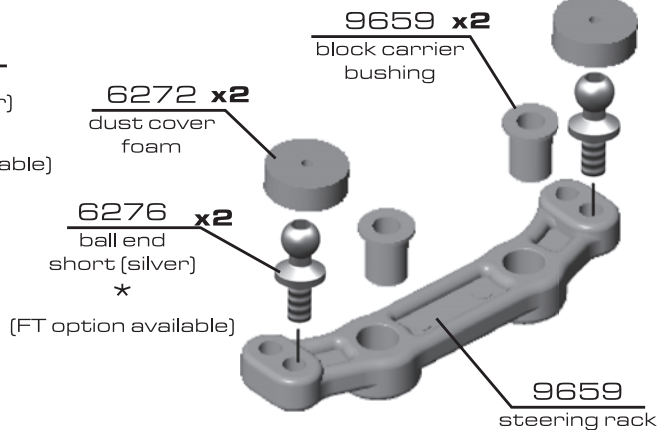
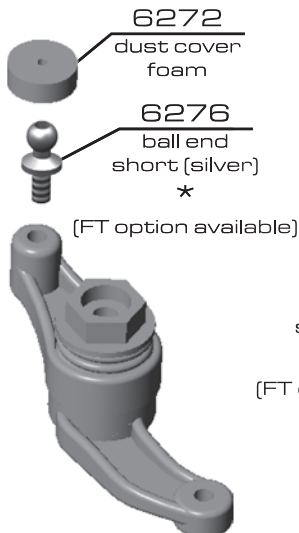


\* With supplied wrench, tighten servo saver bolt completely, but take care not to overtighten.

## :: Steering Rack Build (cont.)

#### A2 / 3

#### STEP 2

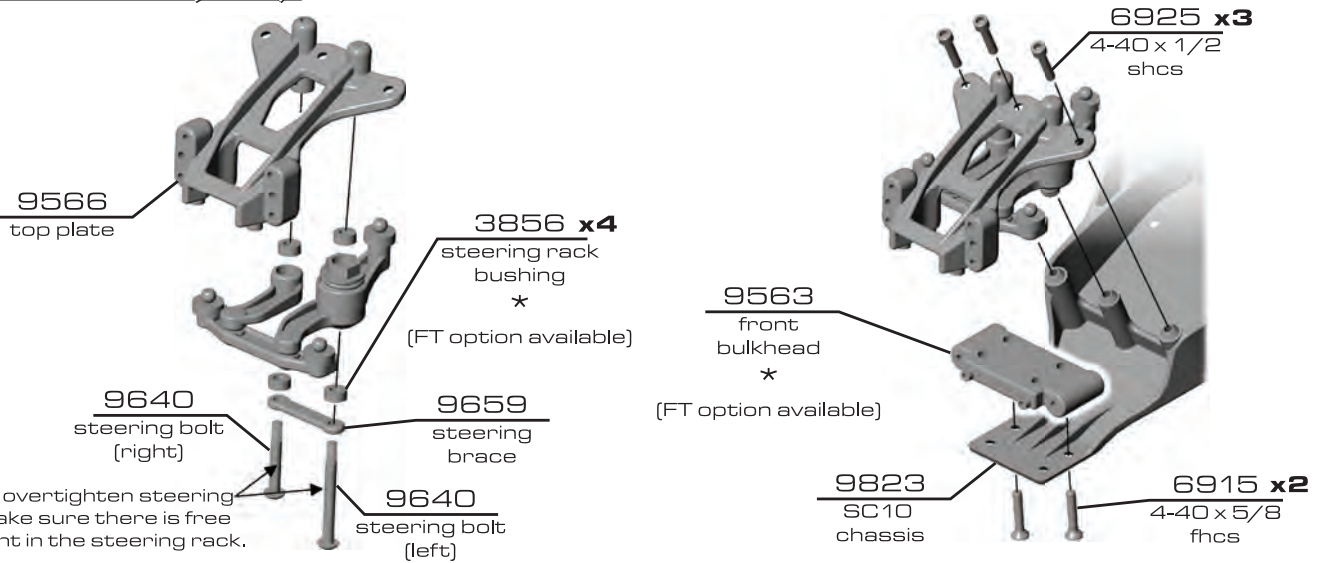


## :: Steering Rack Build (cont.)

**A 4 / 5**  
STEP 2



\* Do not overtighten steering bolts. Make sure there is free movement in the steering rack.

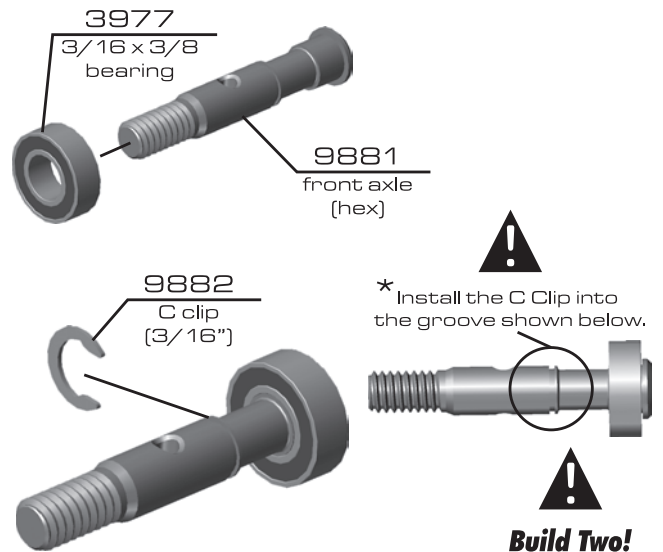
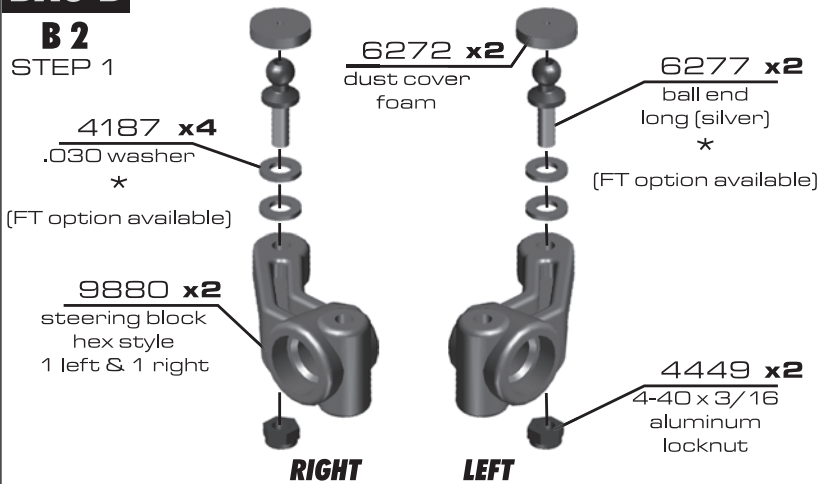


## :: Steering Knuckles Build

**BAG B**

**B 2**

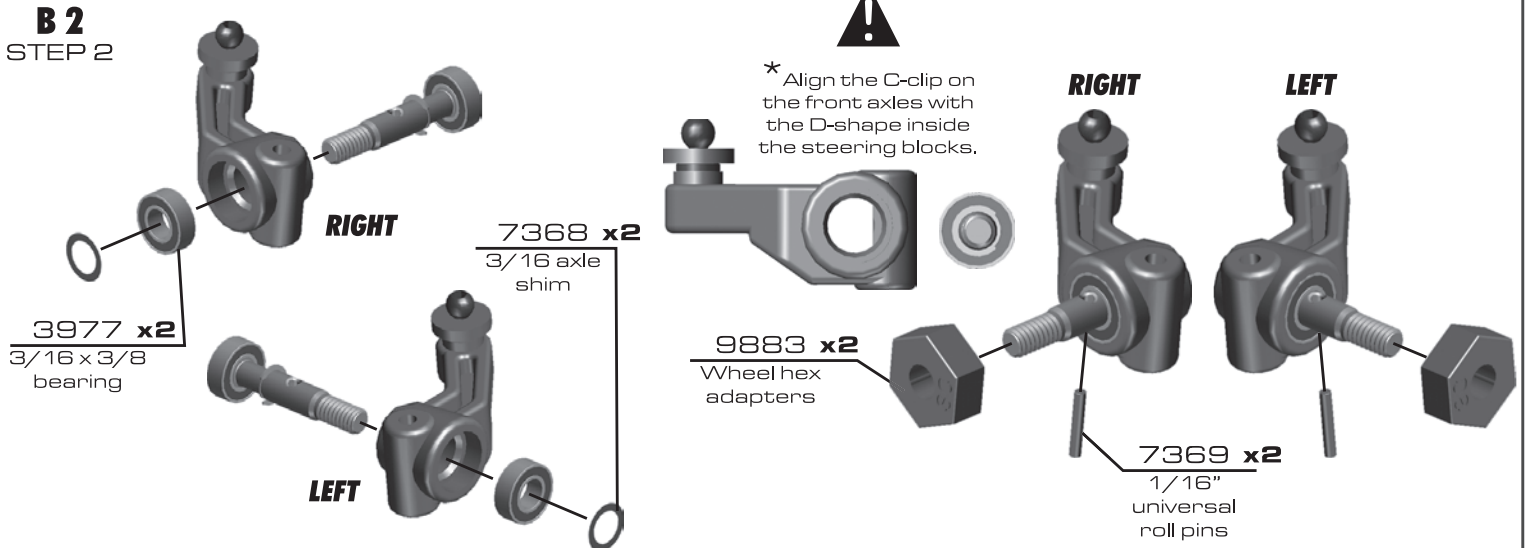
STEP 1



## :: Steering Knuckles Build (cont.)

**B 2**

STEP 2

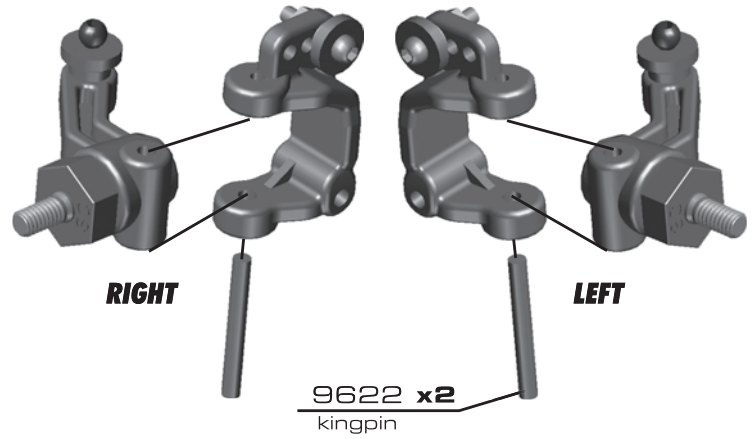
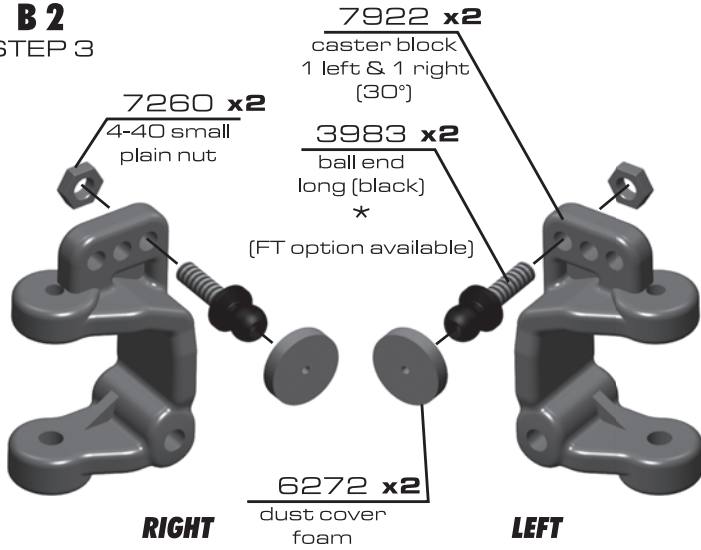




## :: Steering Knuckles (cont.)

**B 2**

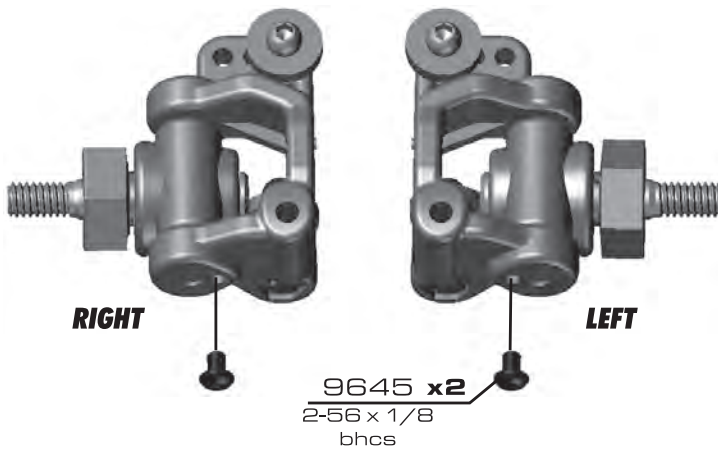
STEP 3



## :: Steering Knuckles (cont.)

**B 2**

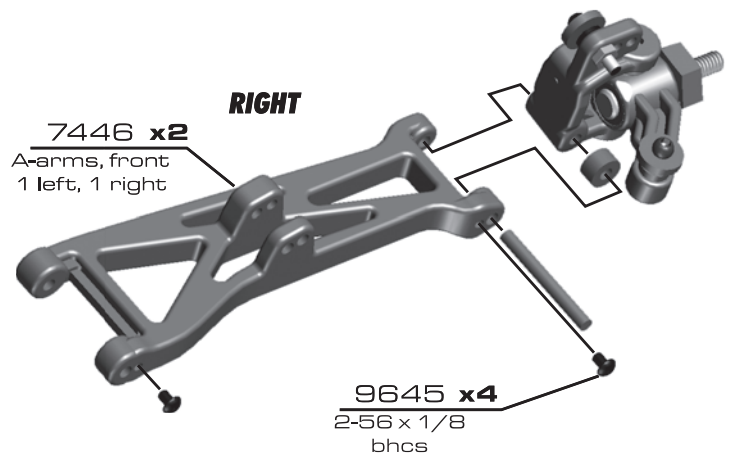
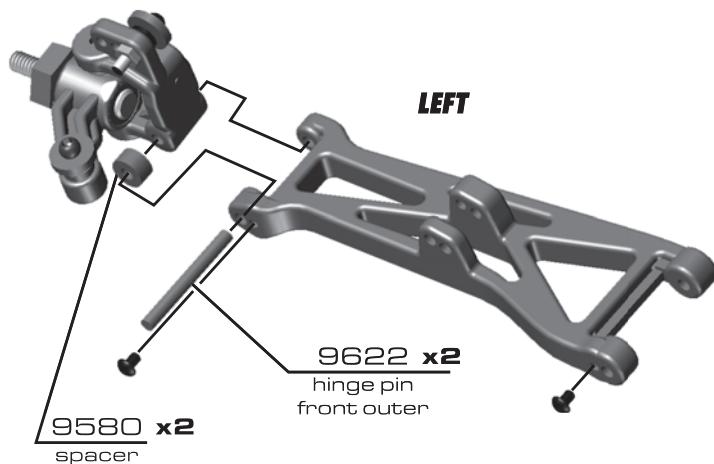
STEP 4



## :: Front Arms

**B 3**

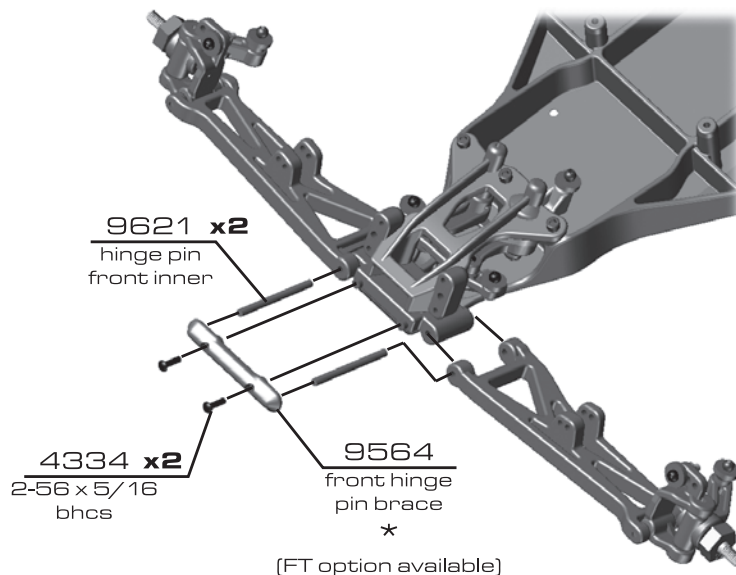
STEP 5



## :: Front Arms (cont.)

**B 3**

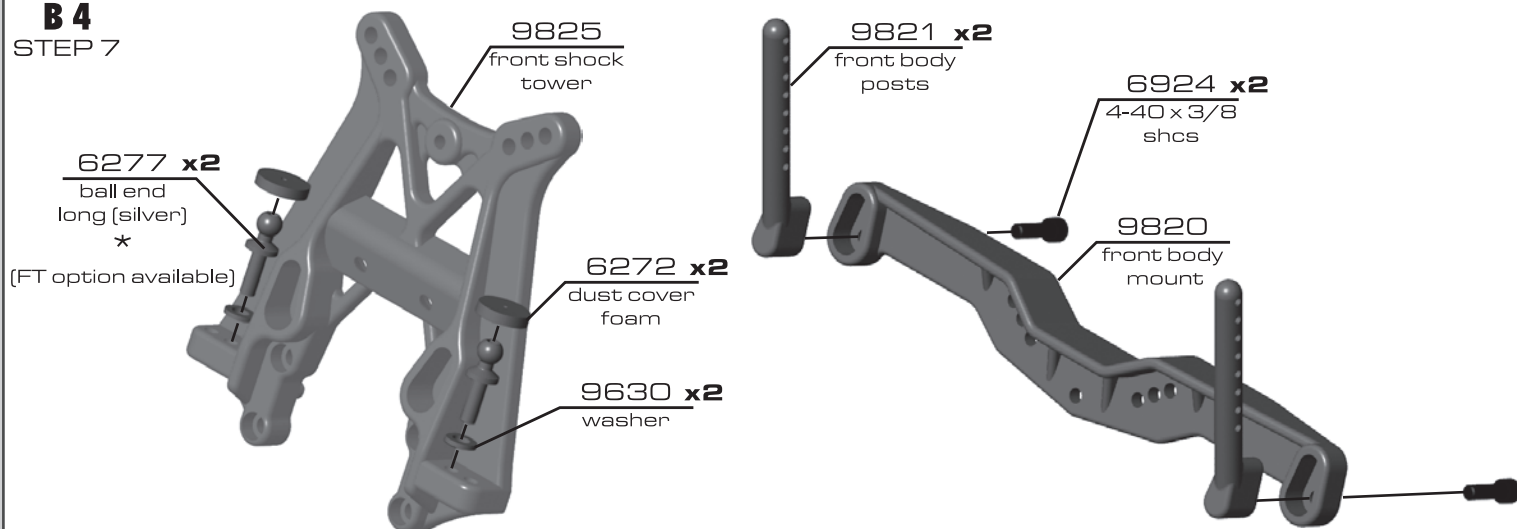
STEP 6



## :: Front Shock Tower

**B 4**

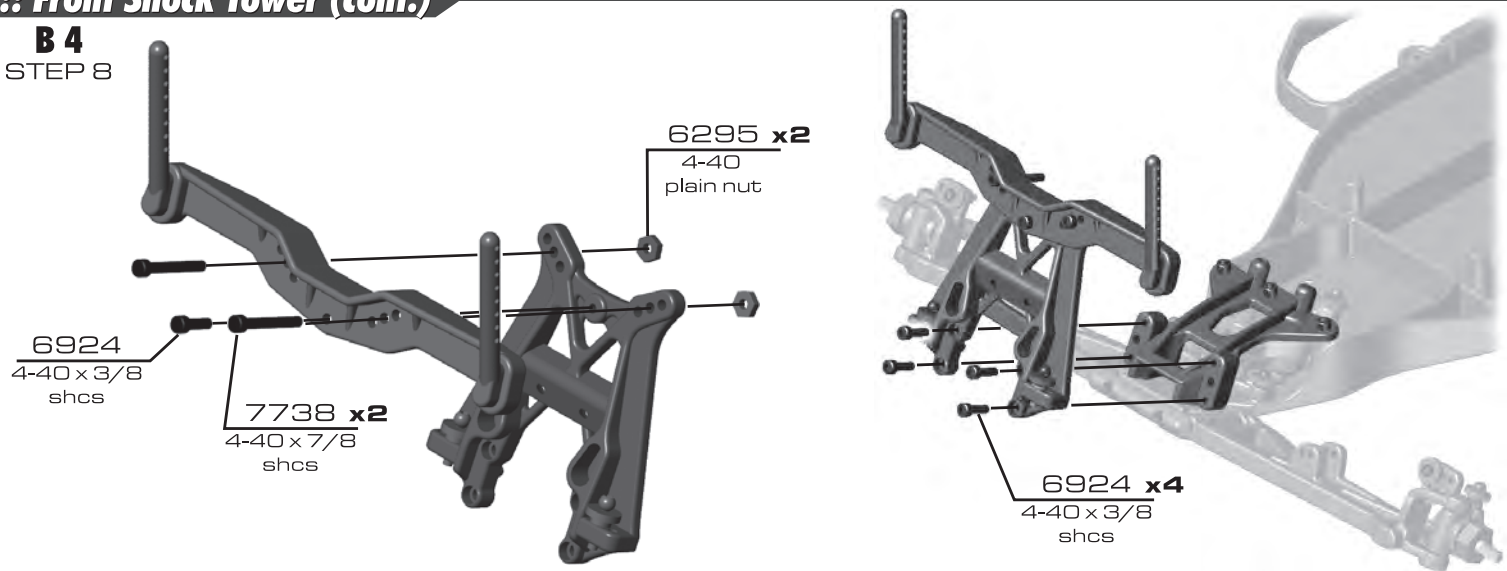
STEP 7



## :: Front Shock Tower (cont.)

**B 4**

STEP 8

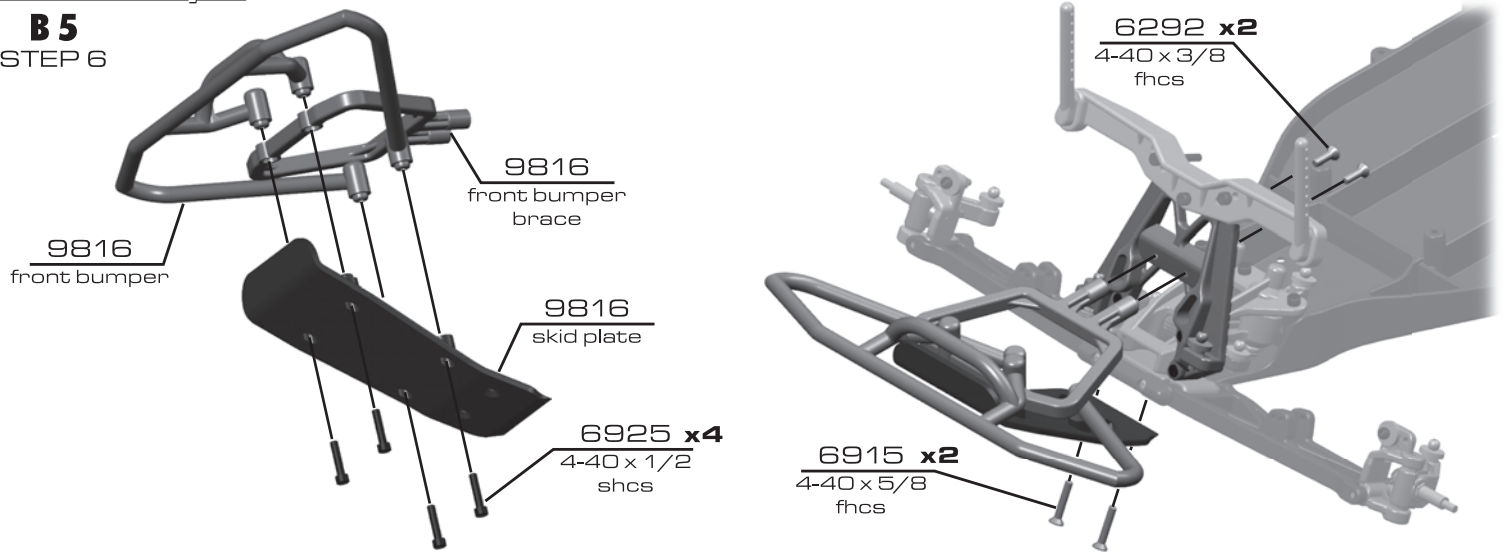




## :: Front Bumper

### B 5

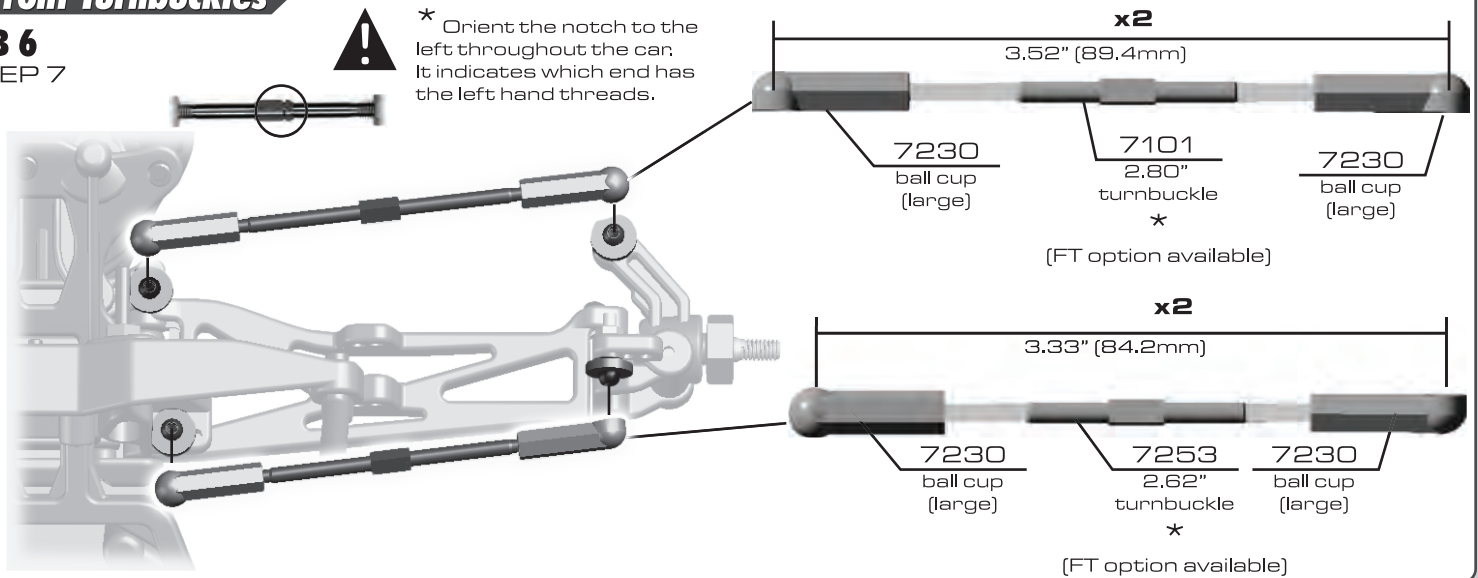
STEP 6



## :: Front Turnbuckles

### B 6

STEP 7



## :: Side Nerf Bars

### B 7

STEP 8

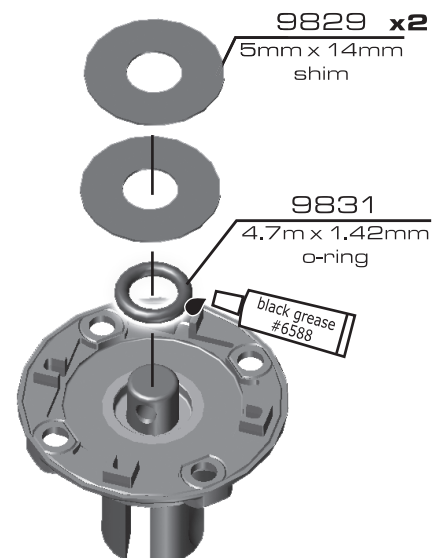
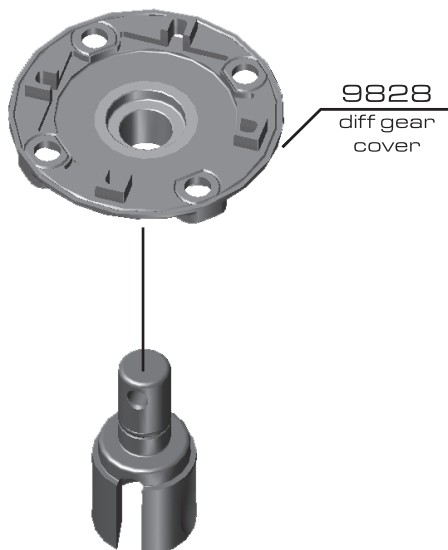
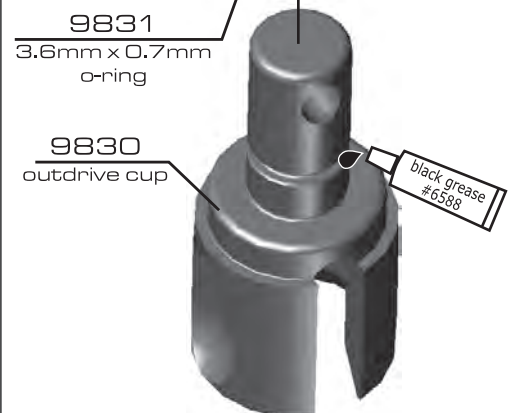


## :: Transmission

### BAG C

**C2**

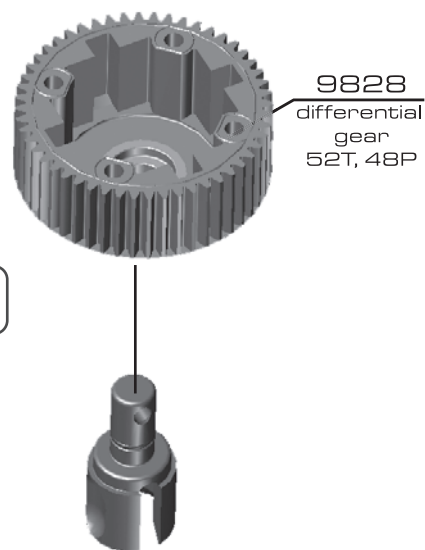
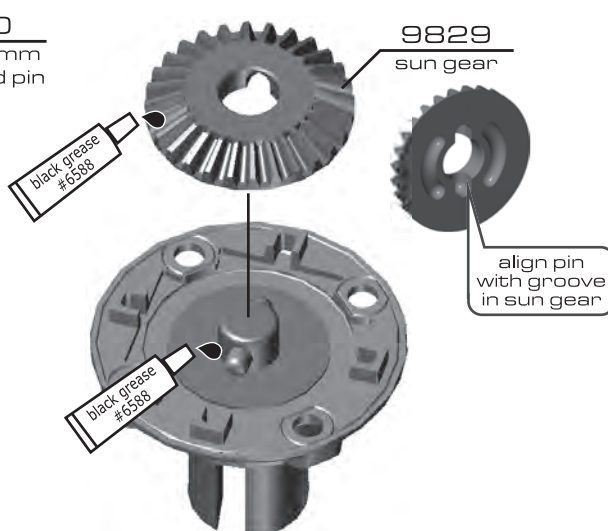
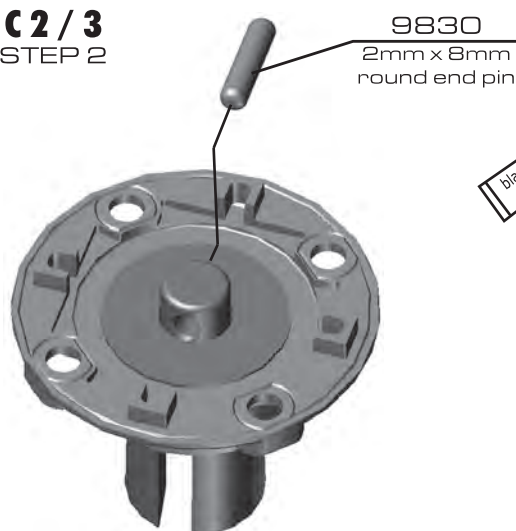
STEP 1



## :: Transmission (cont.)

**C2 / 3**

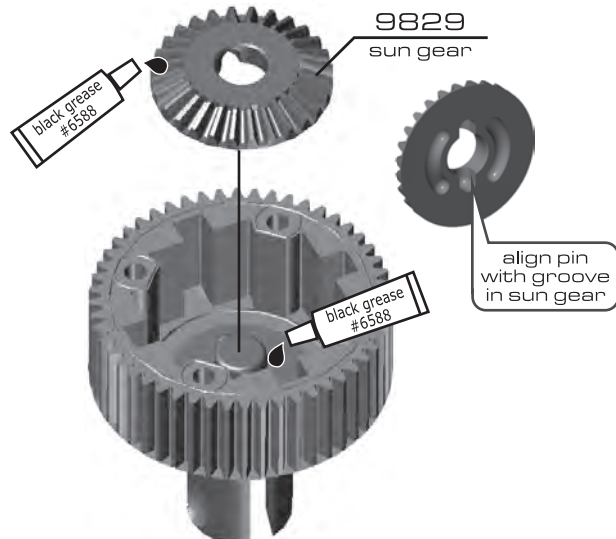
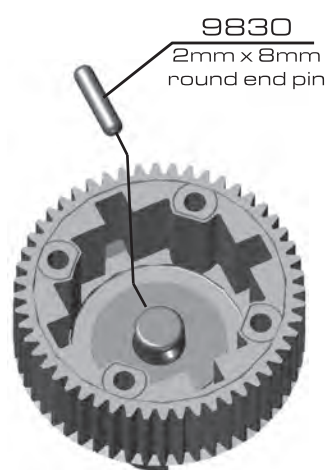
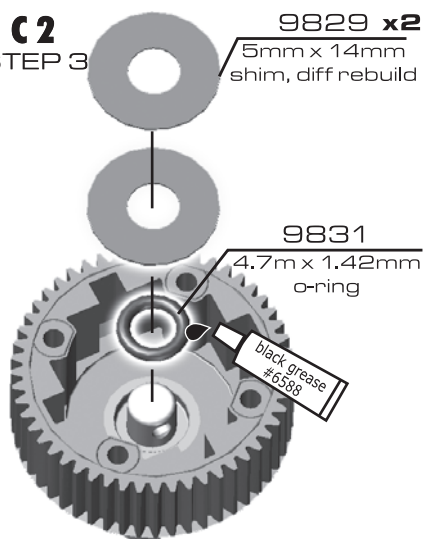
STEP 2



## :: Transmission (cont.)

**C2**

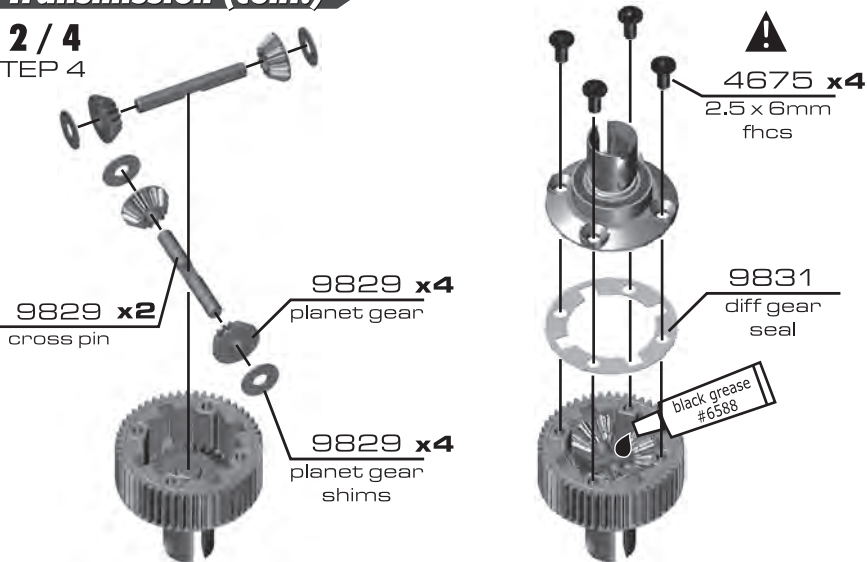
STEP 3





## :: Transmission (cont.)

### C2 / 4 STEP 4



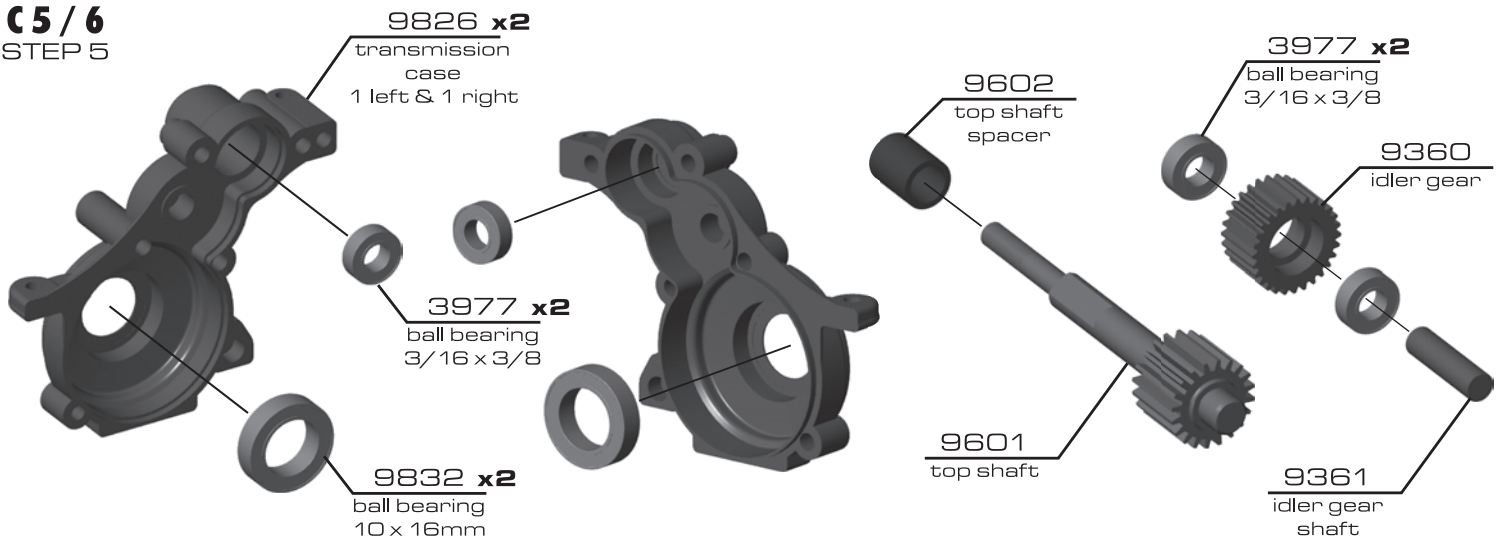
\* Use the 1.5mm allen wrench to tighten the 2.5x6mm fhcs on the diff gear cover



\* Ensure free outdrive rotation before installation!

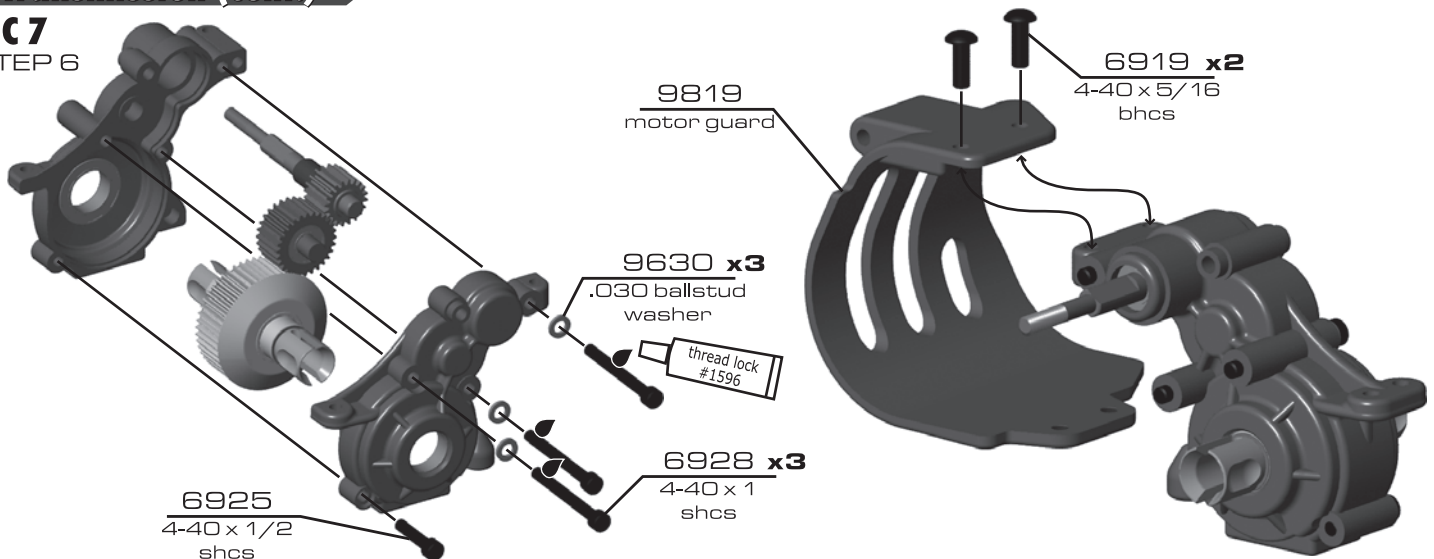
## :: Transmission (cont.)

### C5 / 6 STEP 5



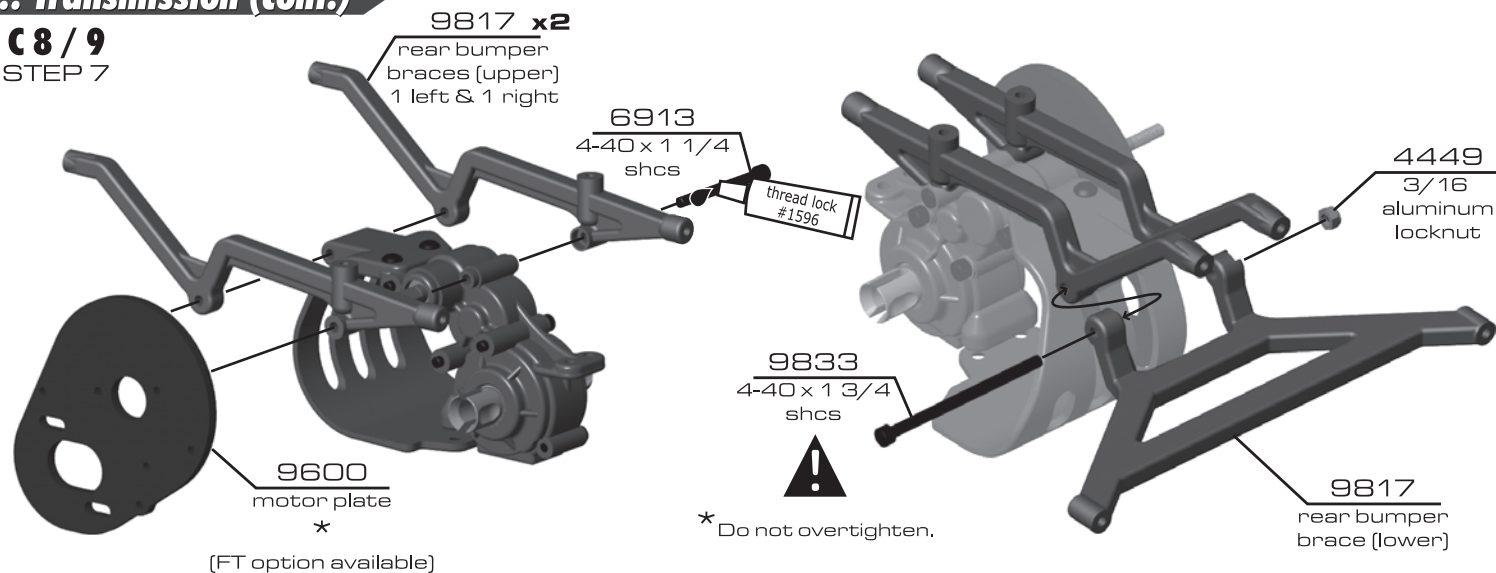
## :: Transmission (cont.)

### C7 STEP 6

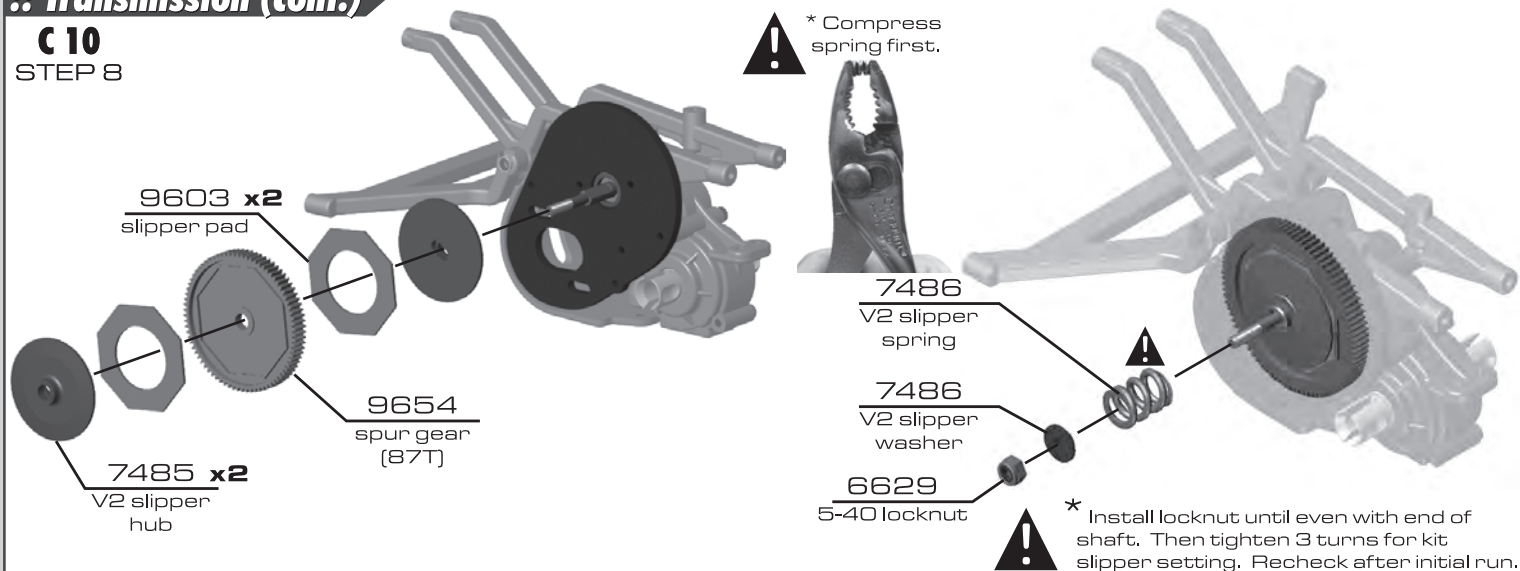


**:: Transmission (cont.)****C 8 / 9**

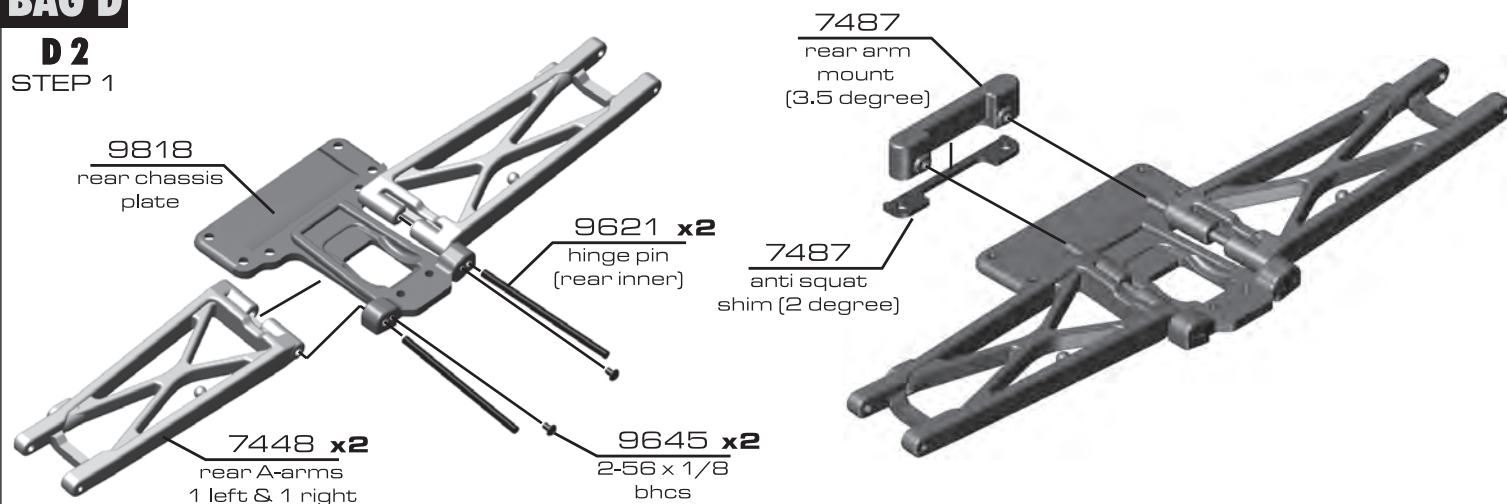
STEP 7

**:: Transmission (cont.)****C 10**

STEP 8

**:: Rear Arms****BAG D****D 2**

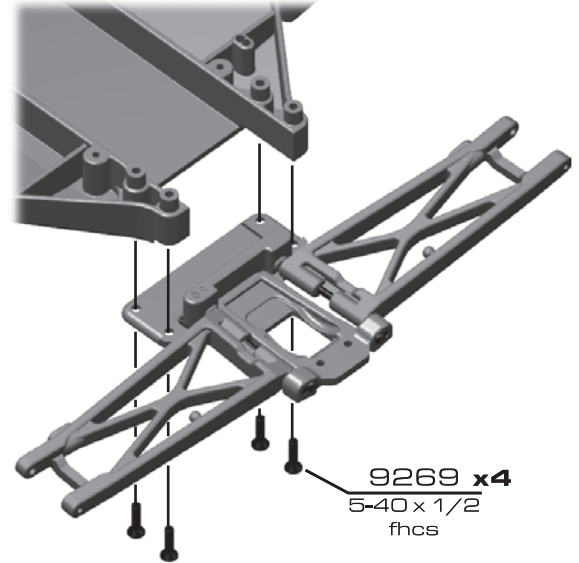
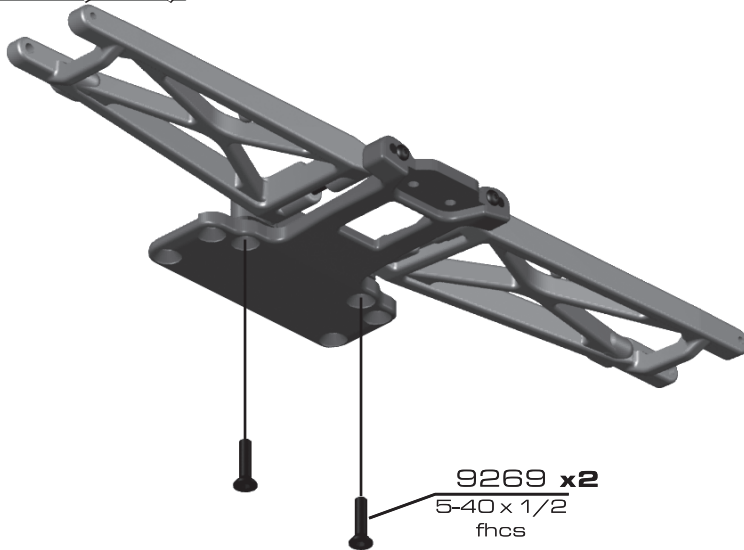
STEP 1





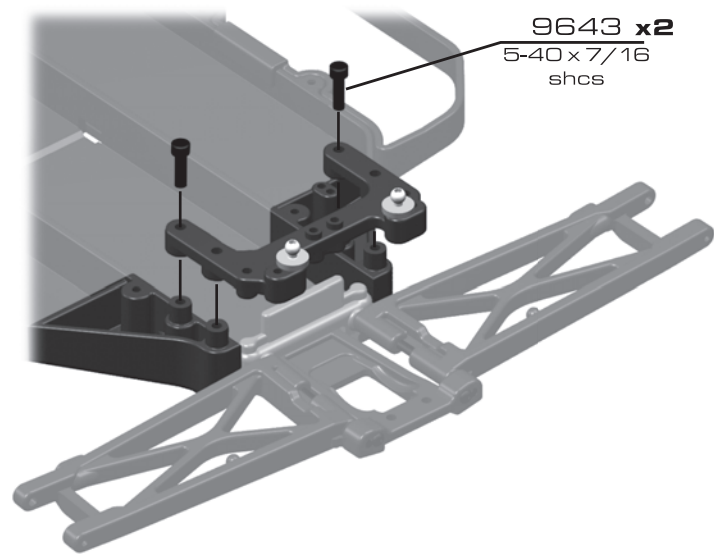
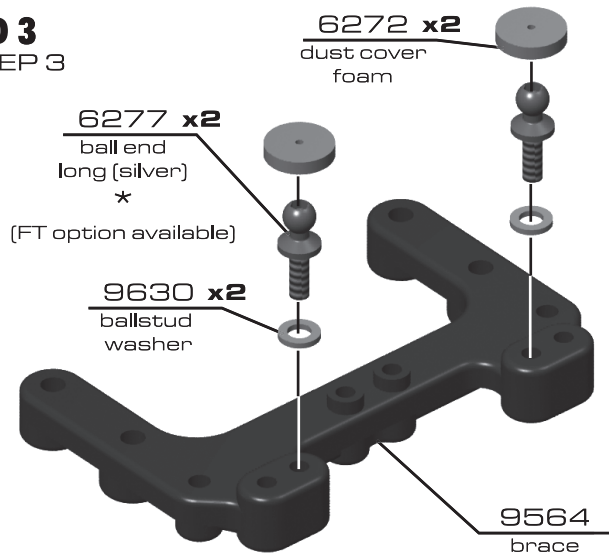
## :: Rear Arms (cont.)

### D 2 STEP 2



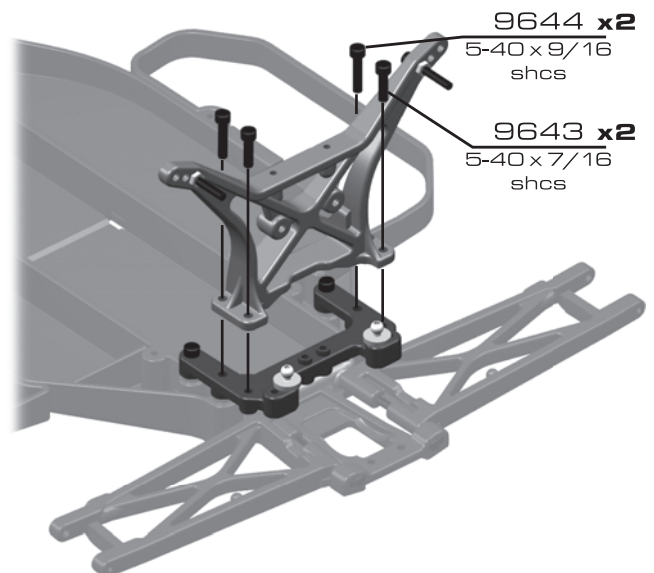
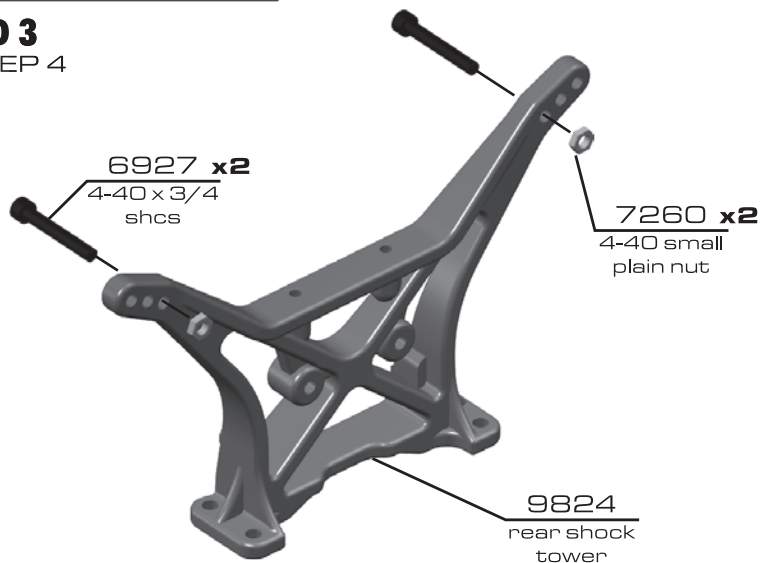
## :: Rear Brace

### D 3 STEP 3



## :: Rear Shock Tower

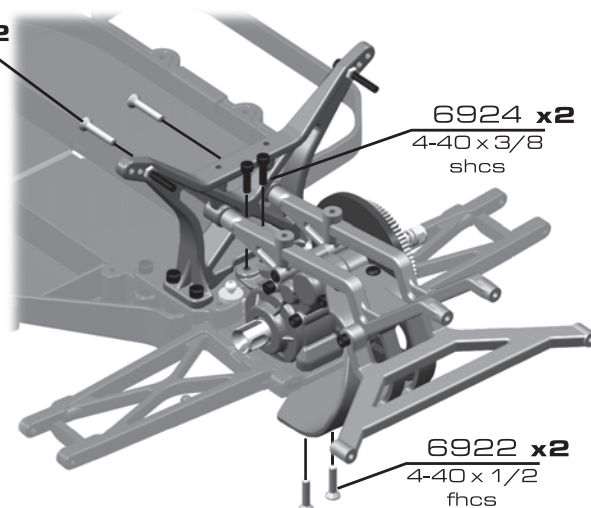
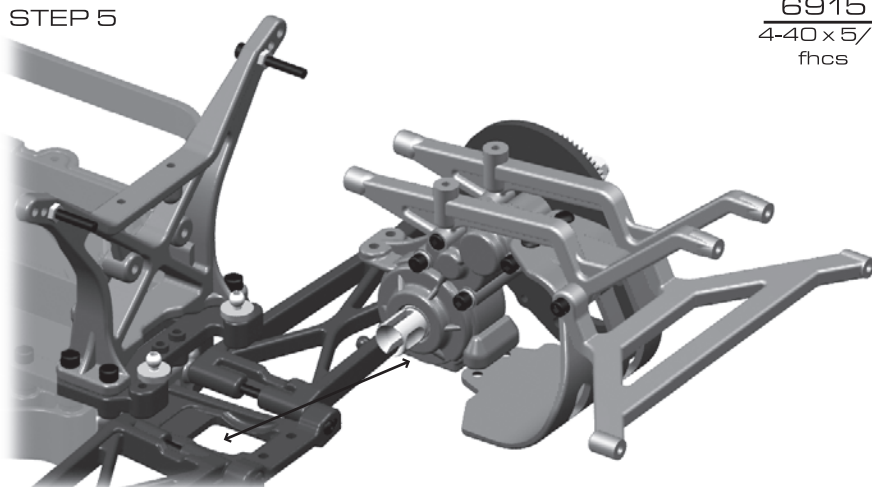
### D 3 STEP 4



## :: Transmission Install

### D 4

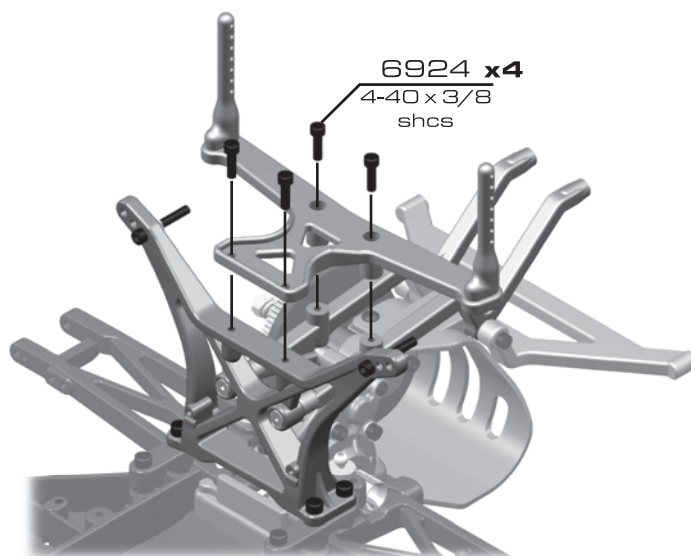
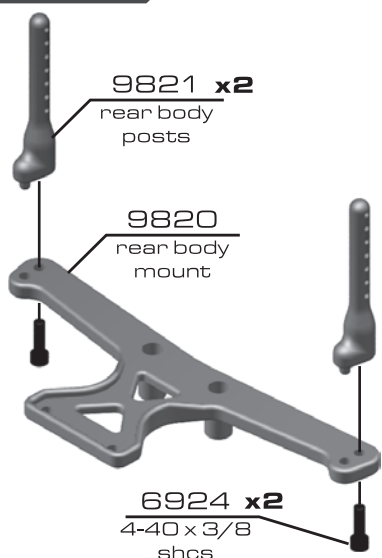
STEP 5



## :: Rear Upper Plate

### D 5

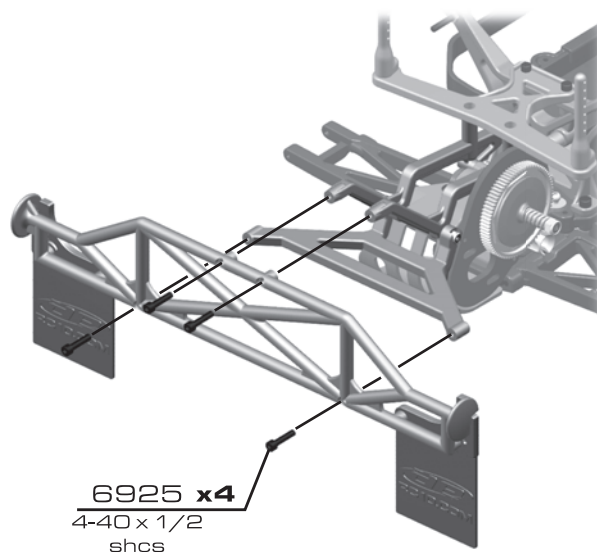
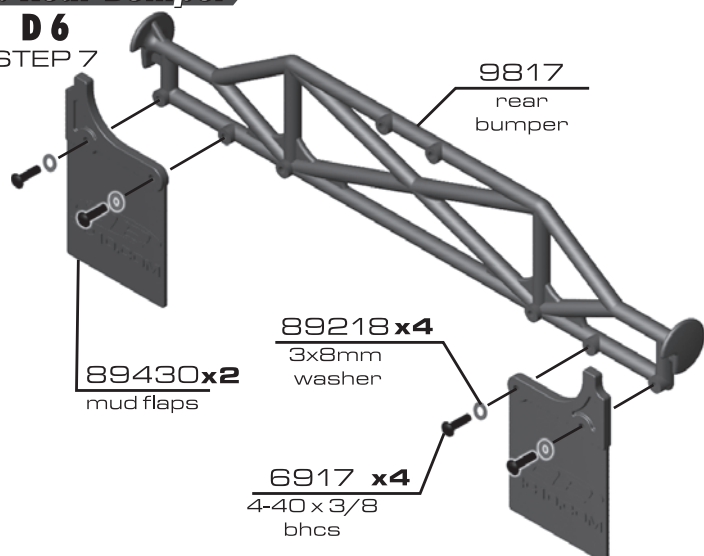
STEP 6



## :: Rear Bumper

### D 6

STEP 7

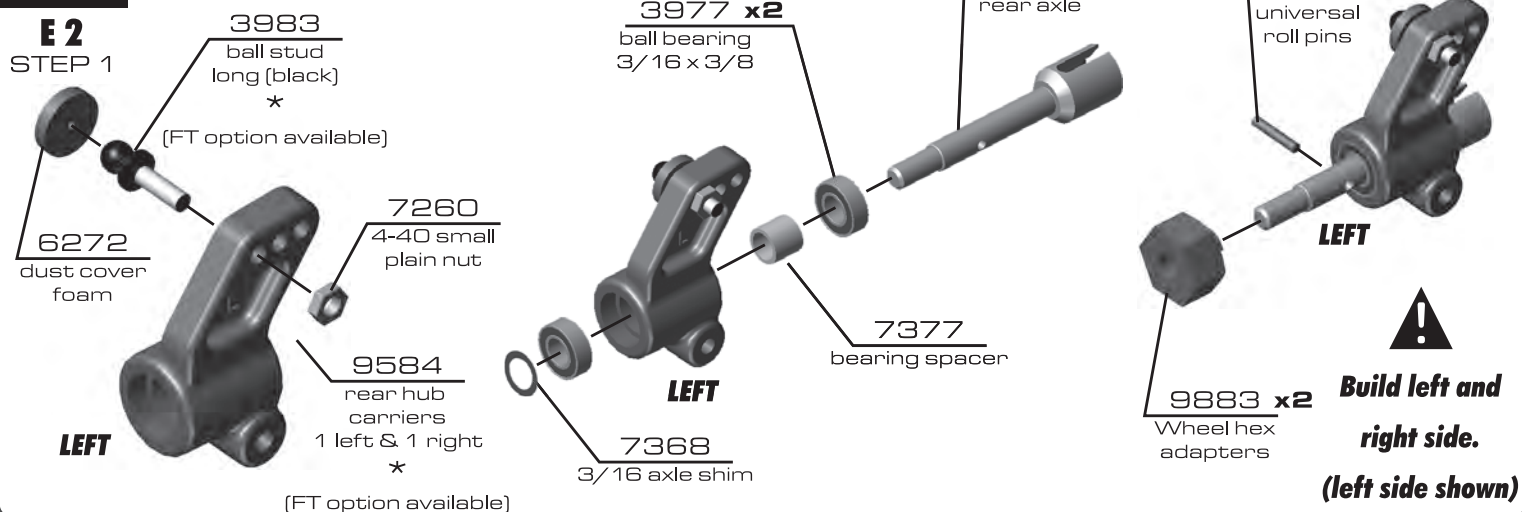




## :: Rear Hubs

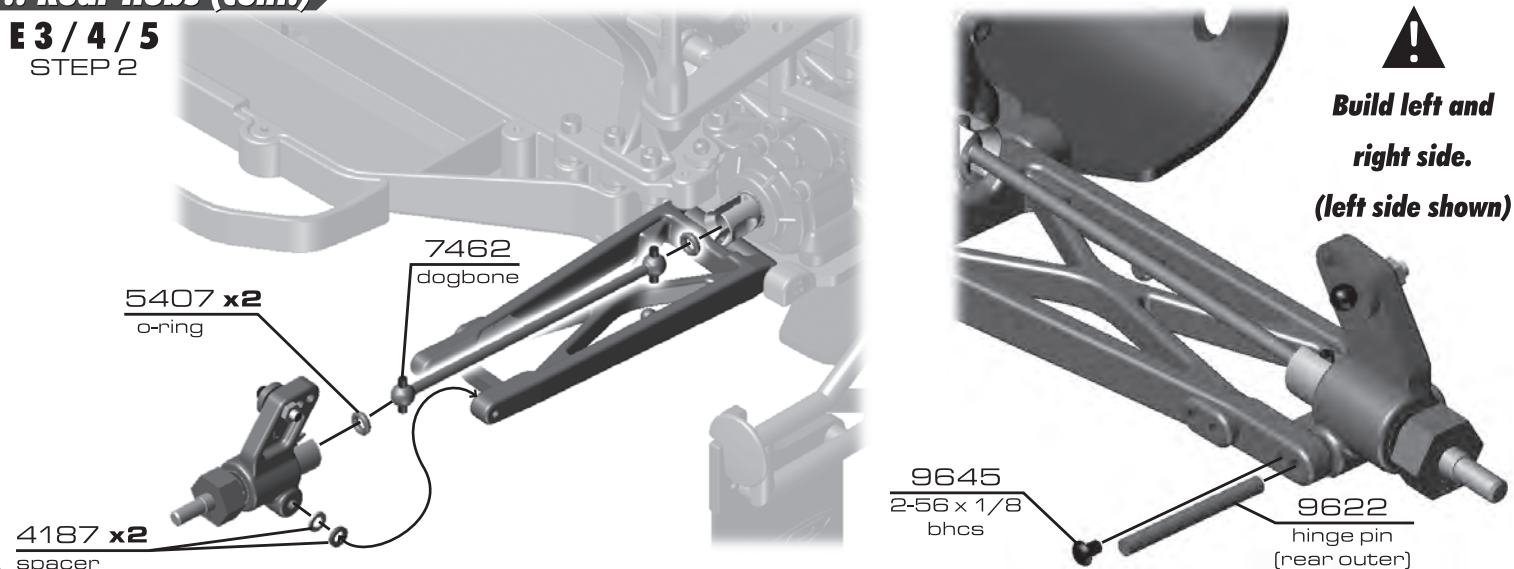
### BAG E

#### E 2 STEP 1



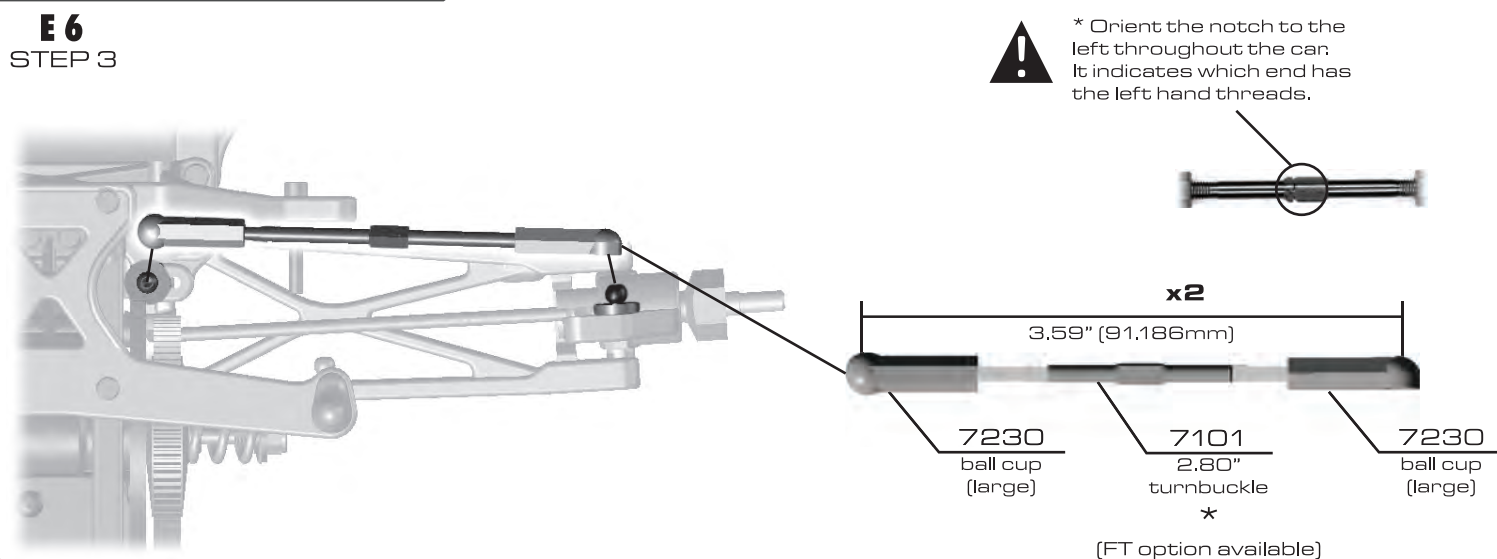
## :: Rear Hubs (cont.)

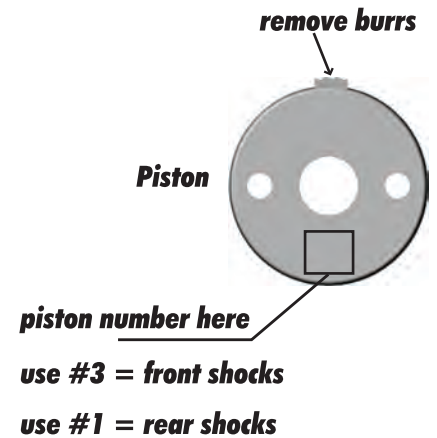
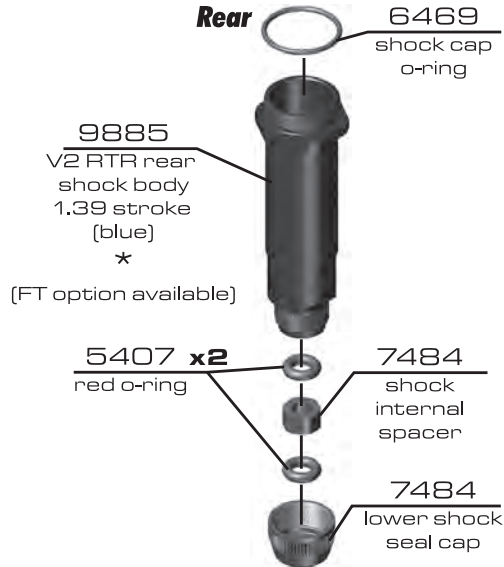
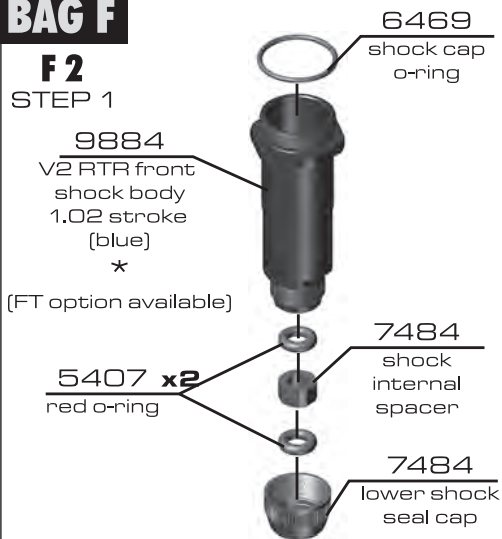
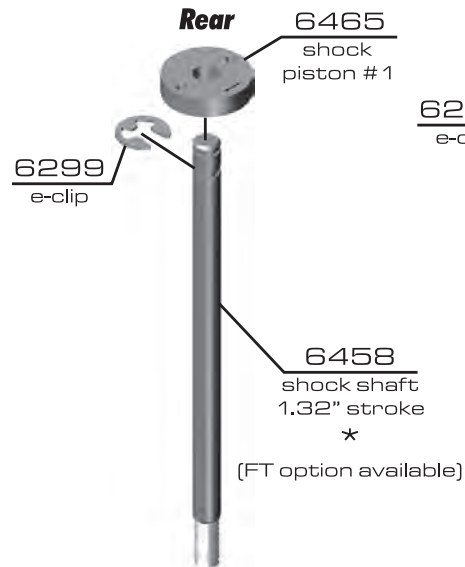
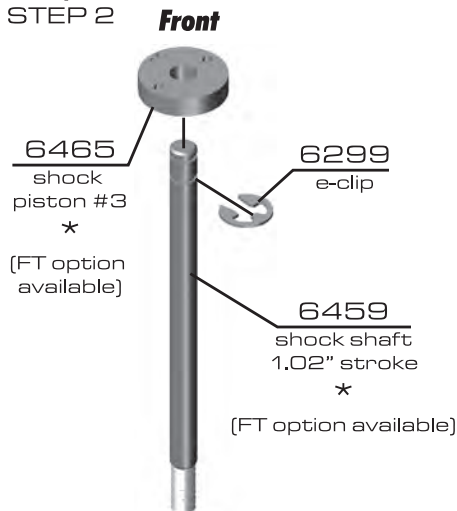
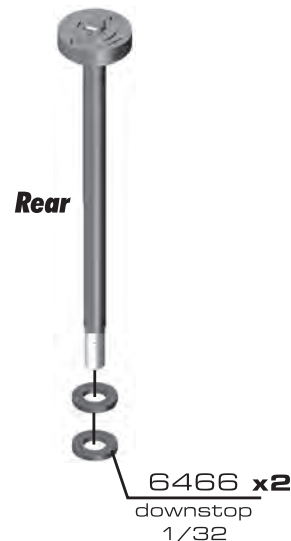
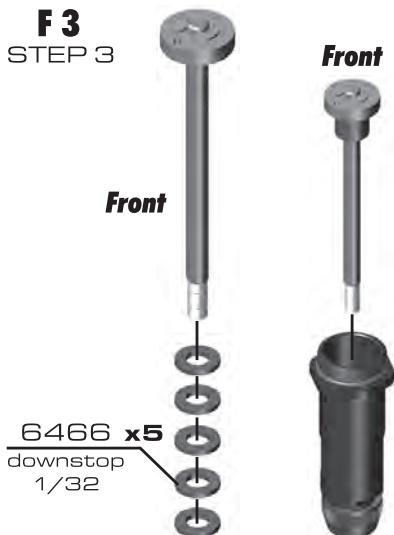
#### E 3 / 4 / 5 STEP 2



## :: Rear Camber Turnbuckles

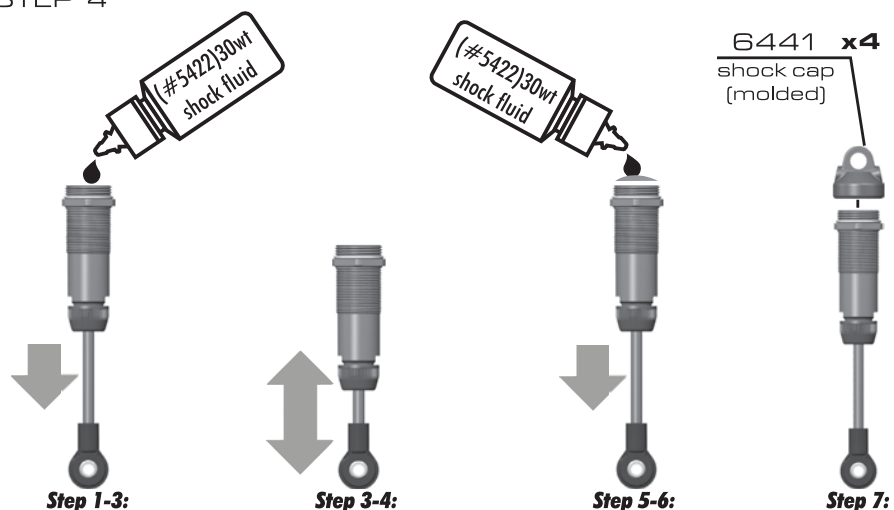
#### E 6 STEP 3



**:: Shocks****BAG F****F2****STEP 1****:: Shocks (cont.)****F2 / 3****STEP 2****:: Shocks (cont.)****F3****STEP 3**

## :: Shocks (cont.)

STEP 4



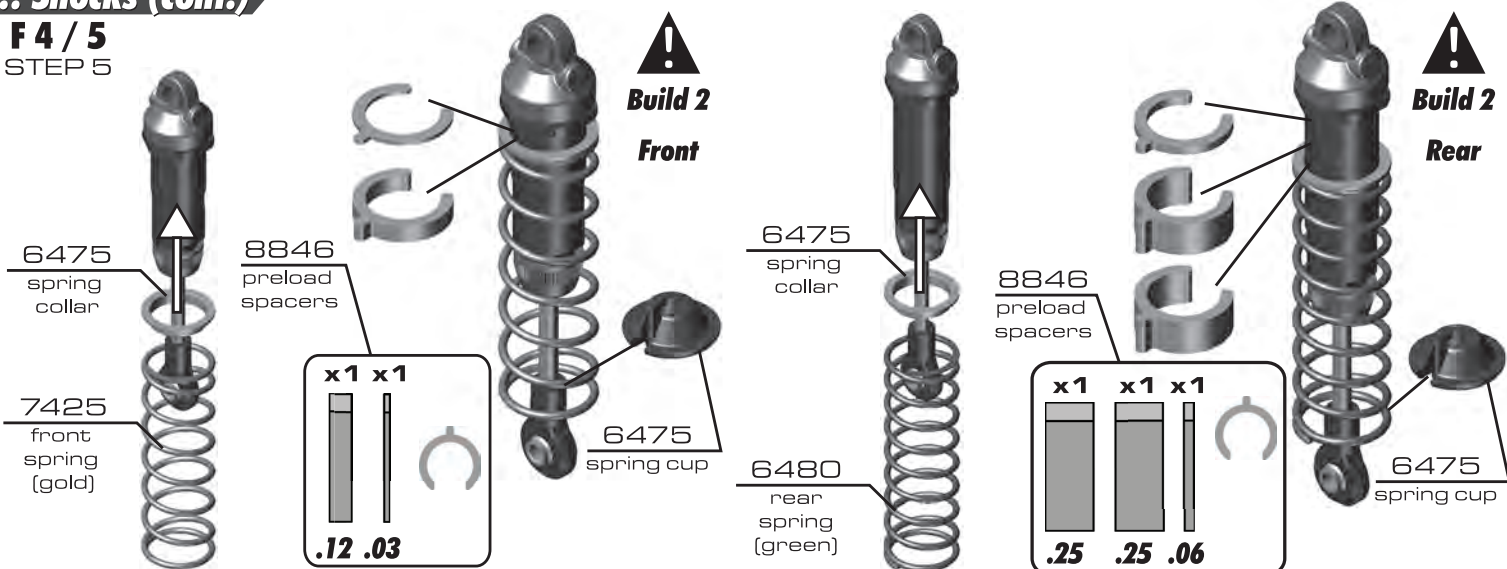
### \* Shock Bleeding Steps:

1. Pull shock shaft down.
2. Fill shock body 3/4 full with silicone fluid.
3. Slowly move the shock shaft up and down to remove air from under piston.
4. Wait for bubbles to come to surface.
5. Fill shock body to top with silicone fluid.
6. Place a drop of oil in the cap and on cap threads.
7. Install cap and tighten completely.
8. Slowly compress shaft all the way to the top. If there is pressure at the top of the stroke, there is too much oil or air. You must bleed it out.
9. Slowly pull shaft out.
10. Unscrew the cap 3/4 turn and tilt the shock at a slight angle.
11. Slowly compress the shaft to push out excess oil and air. You should see bubbles coming out from under the cap.
12. 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 9 thru 11.

## :: Shocks (cont.)

F4 / 5

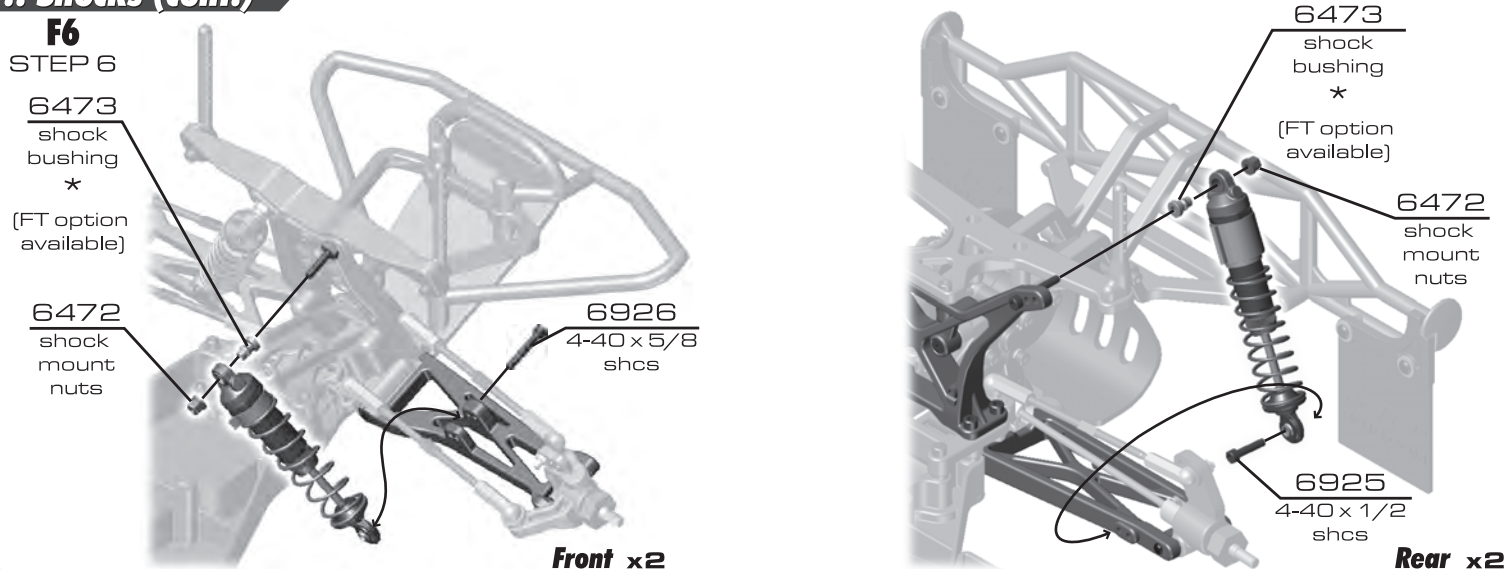
STEP 5



## :: Shocks (cont.)

F6

STEP 6

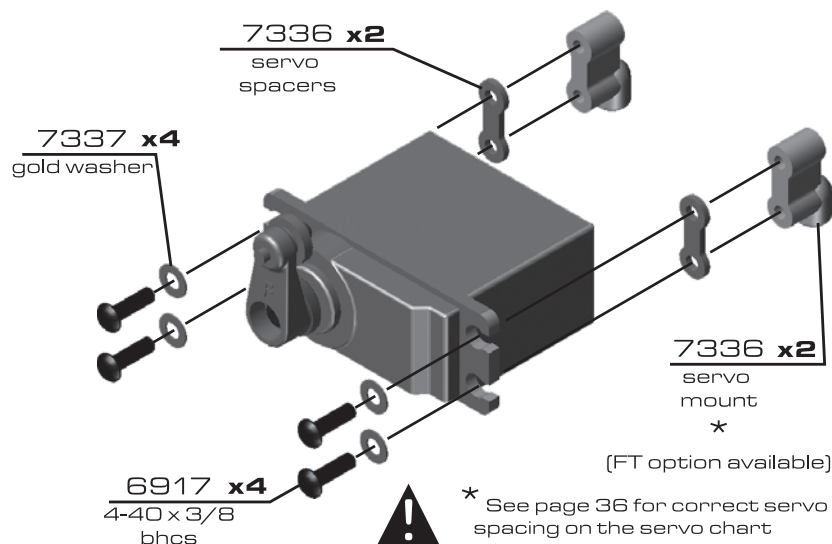
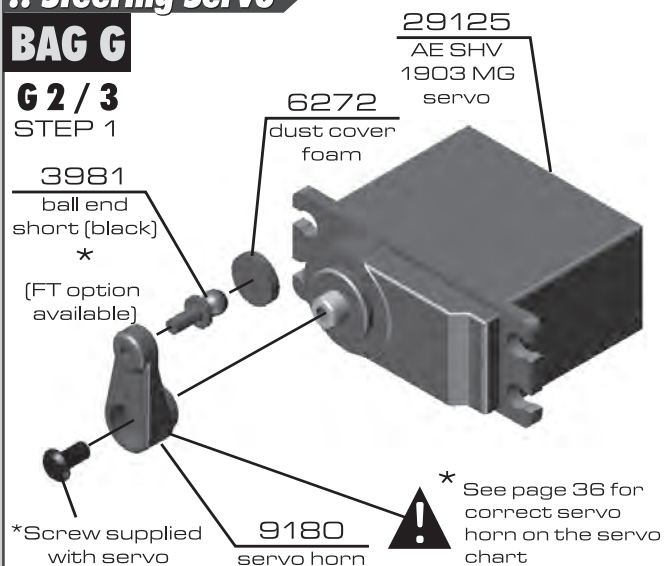




## :: Steering Servo

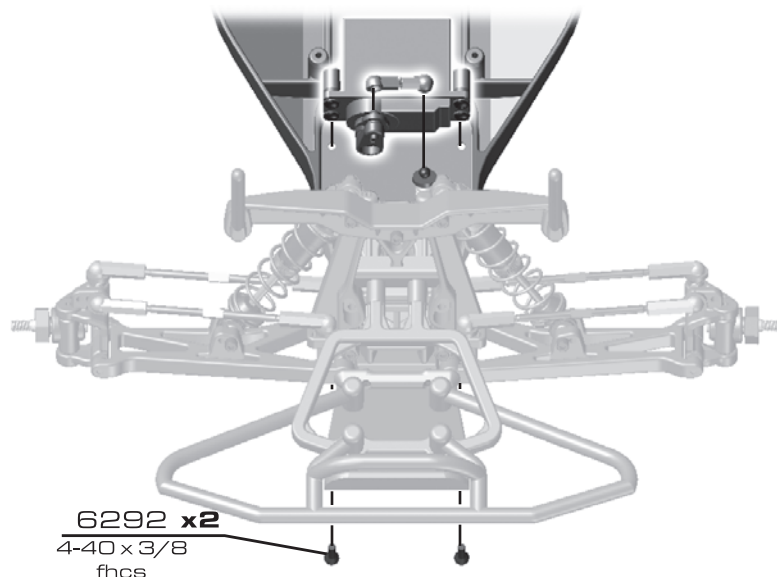
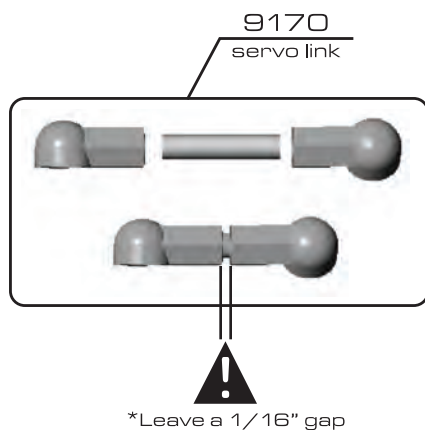
### BAG G

#### G 2 / 3 STEP 1



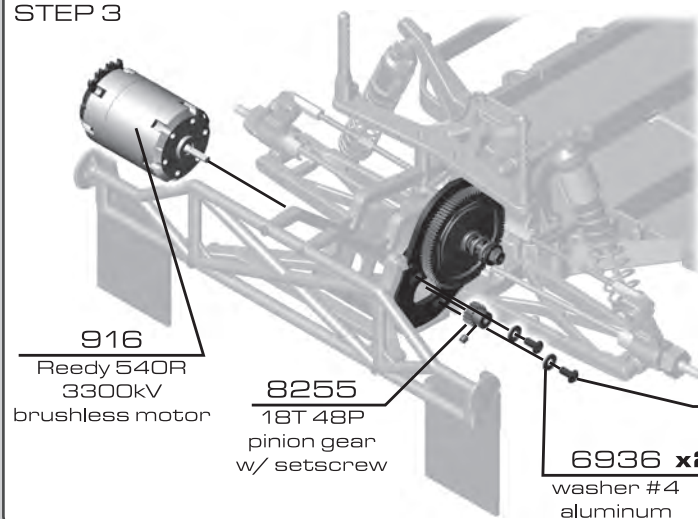
## :: Steering Servo (cont.)

#### G 4 STEP 2

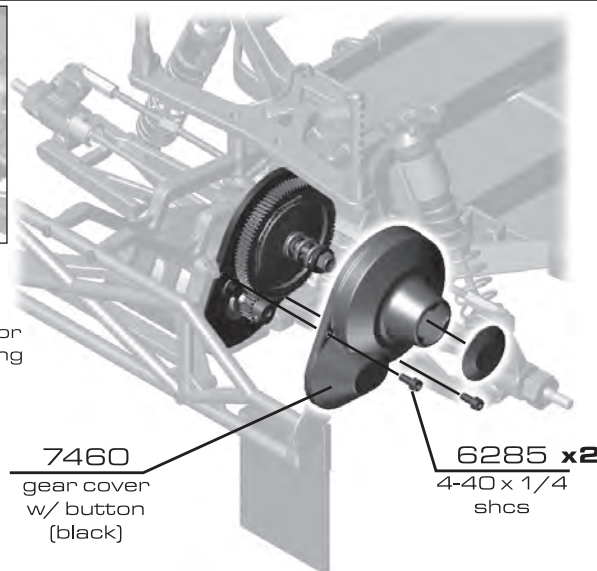


## :: Motor / Gear Cover

#### G 5 / 6 STEP 3



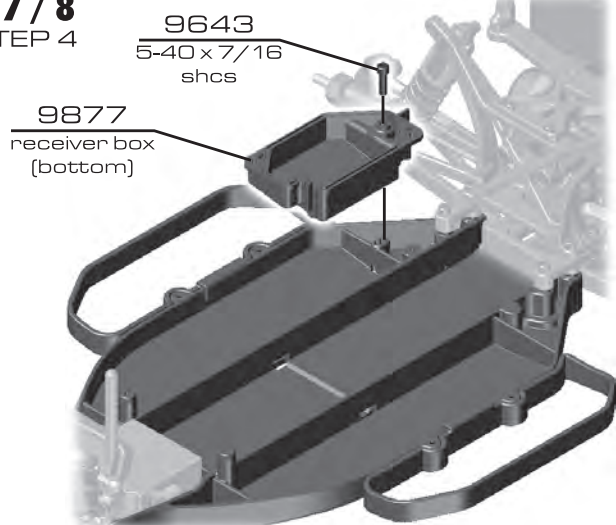
\* See page 28 for  
gear mesh setting  
instructions.



## :: Electronics

**G 7 / 8**

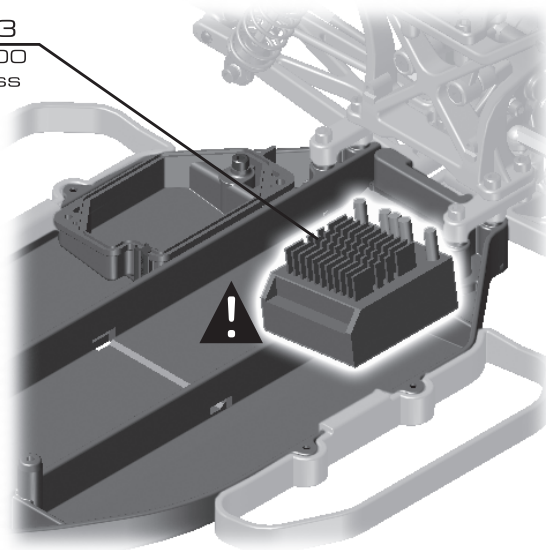
STEP 4



29143  
XP SC700  
brushless  
esc



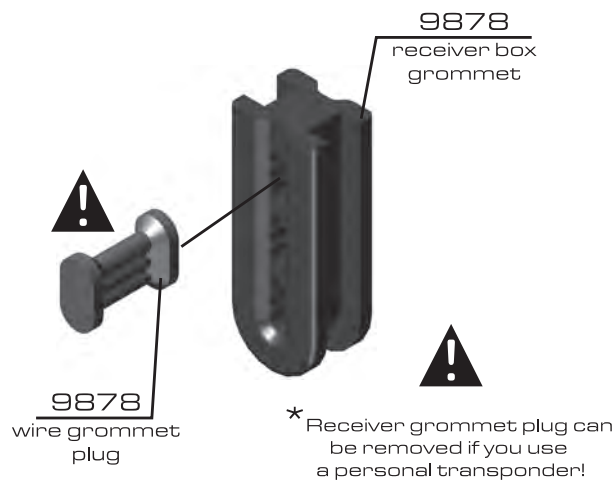
\* Install the ESC  
with servo tape.



## :: Electronics (cont.)

**G 7 / 8**

STEP 5



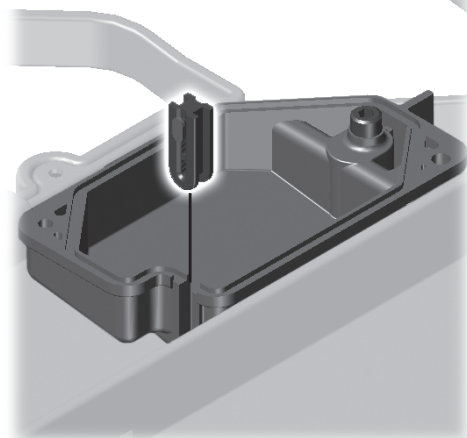
\* Install the ESC wires and  
the Servo wires into the  
wire grommet before  
installing the grommet  
into the receiver box!



## :: Electronics (cont.)

**G 7 / 8**

STEP 6



29222  
XP trs401-ss  
2.4GHz 4ch  
receiver



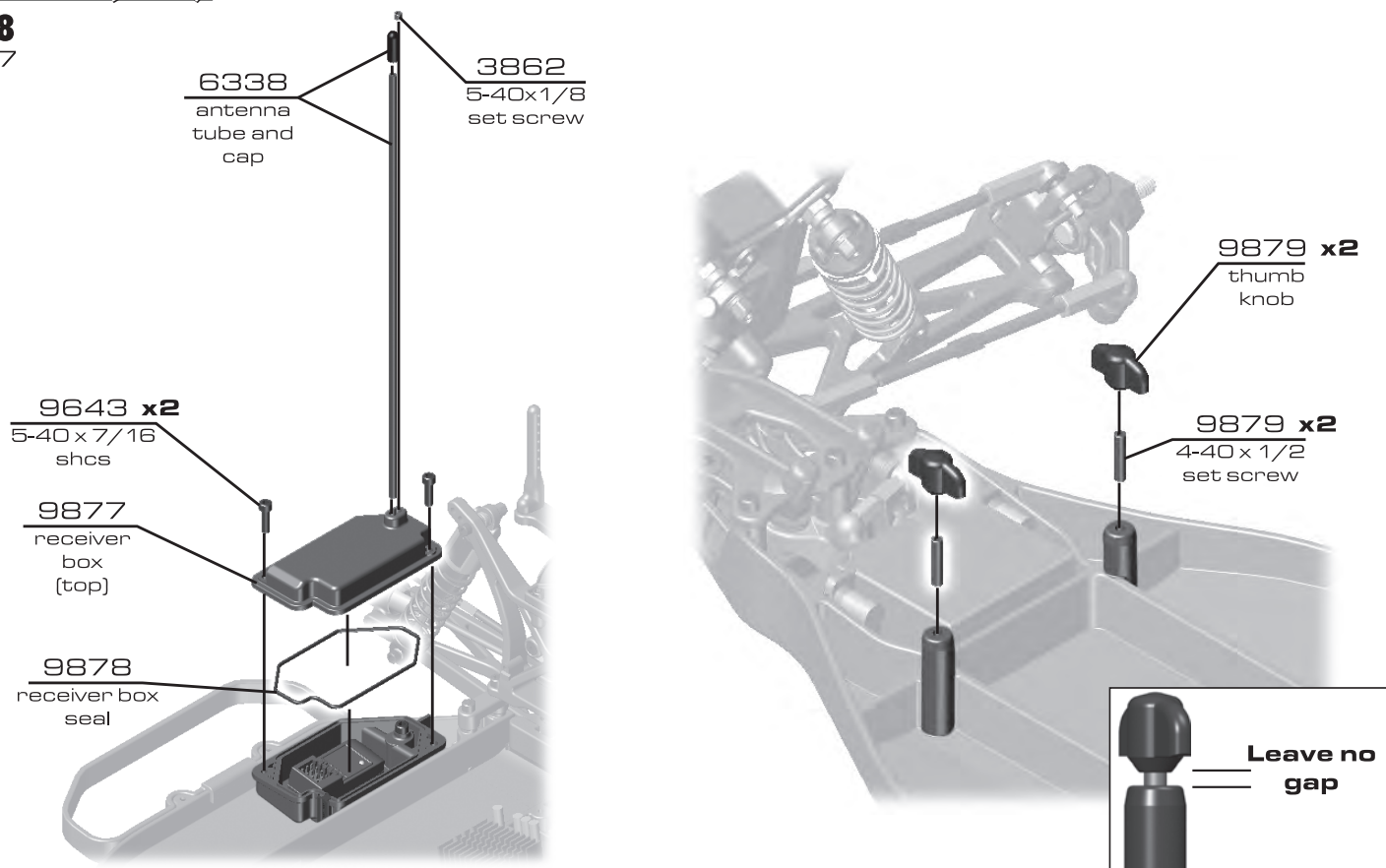
\* You may need to reposition  
the receiver in order to get  
it to fit with the plugs installed  
and the receiver box lid installed.  
Once you find a good fit, use  
servo tape to install your receiver.



# **:: Electronics (cont.)**

**G 7 / 8**

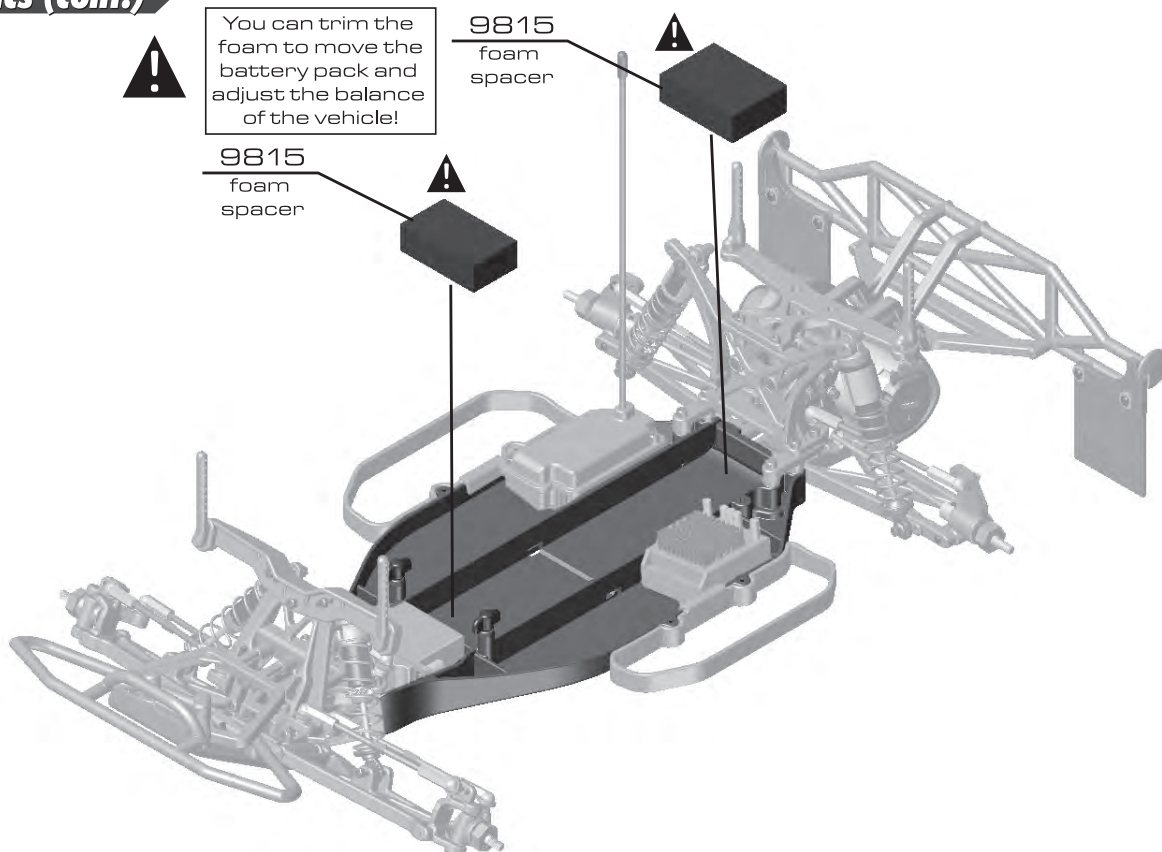
STEP 7



# **:: Electronics (cont.)**

**G 7 / 8**

STEP 8





## :: Electronics (cont.)

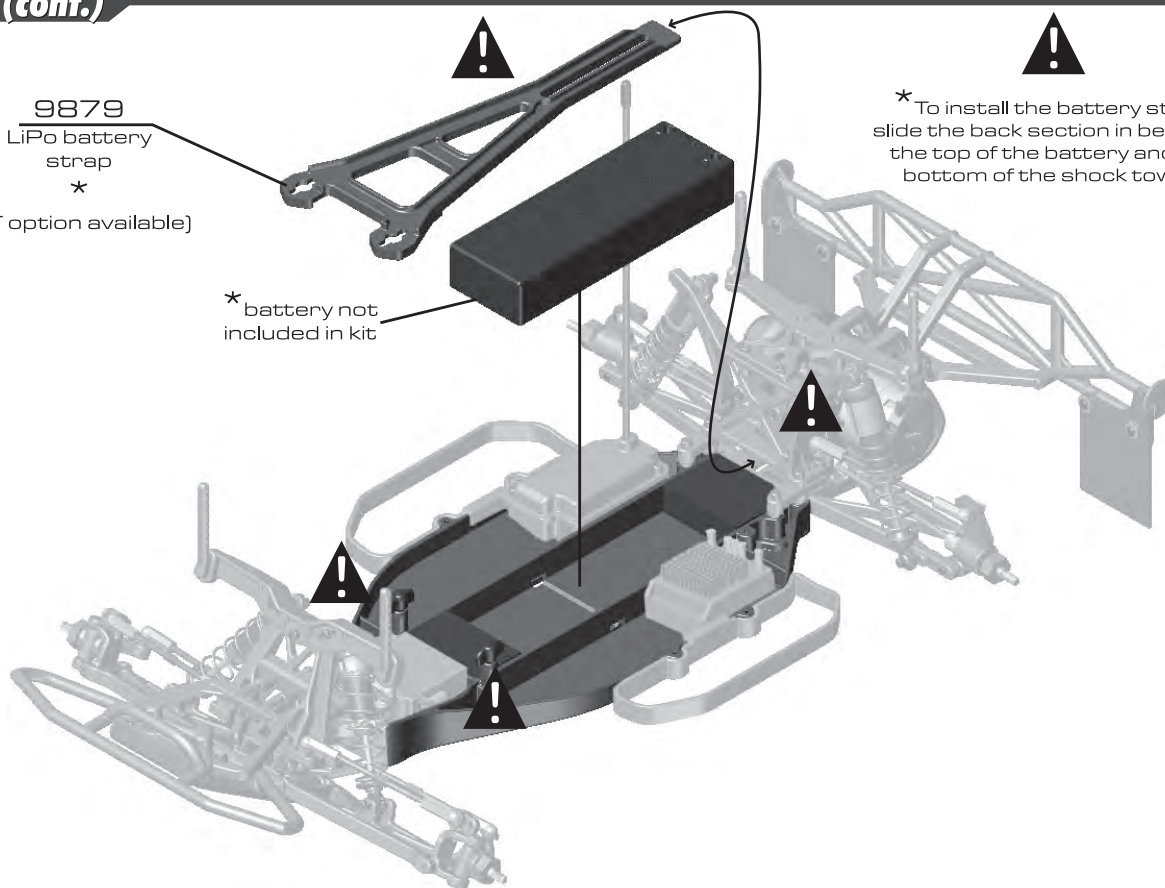
**G 7 / 8**

STEP 9

9879  
LiPo battery  
strap  
\*  
(FT option available)

\* battery not  
included in kit

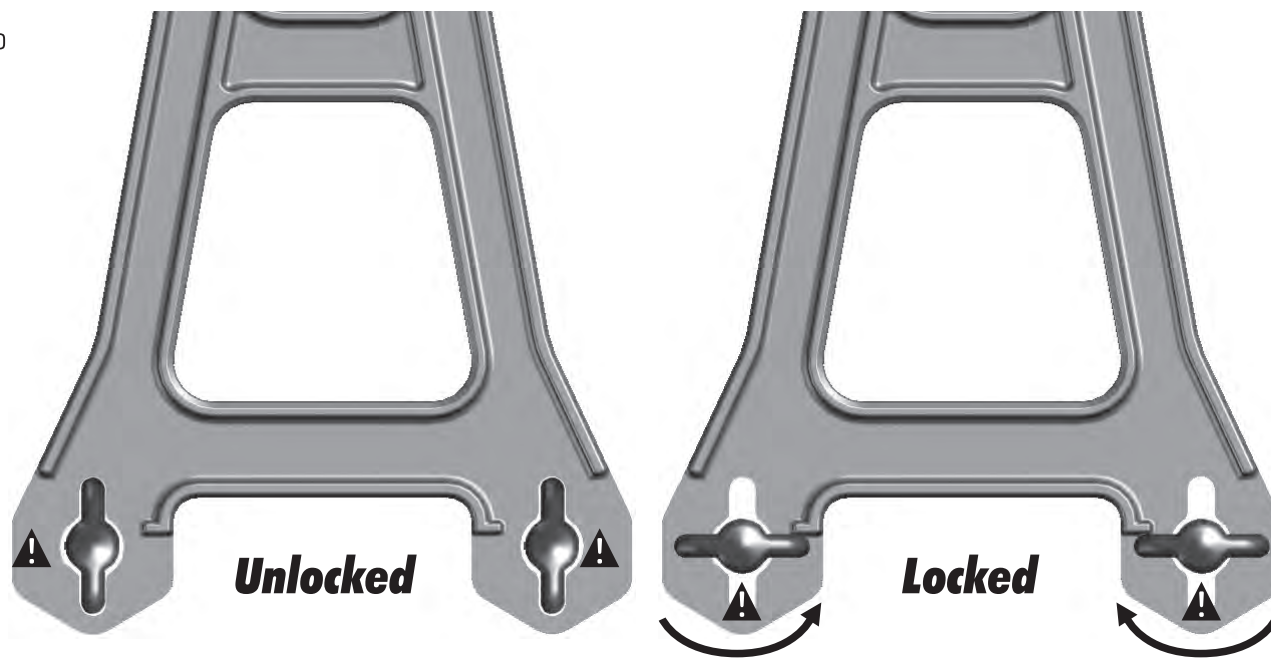
\* To install the battery strap,  
slide the back section in between  
the top of the battery and the  
bottom of the shock tower!



## :: Electronics (cont.)

**G 7 / 8**

STEP 10



To remove your battery pack from the vehicle, twist the thumb screws to the unlocked position, remove the battery strap, and then remove the battery.

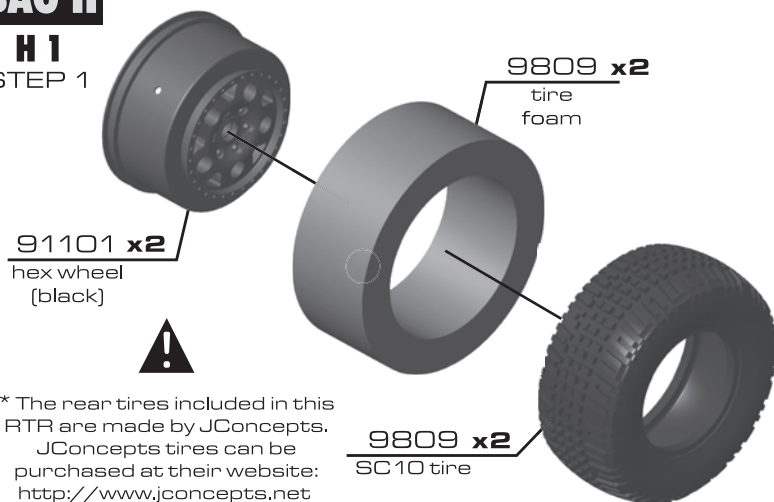
When you install your battery pack, install the battery strap and make sure the thumb screws are locked before operation.

You may need to adjust the height of the thumb screws and/or the set screws that the thumb screws are attached to for your specific battery pack.

## :: Wheels and Tires

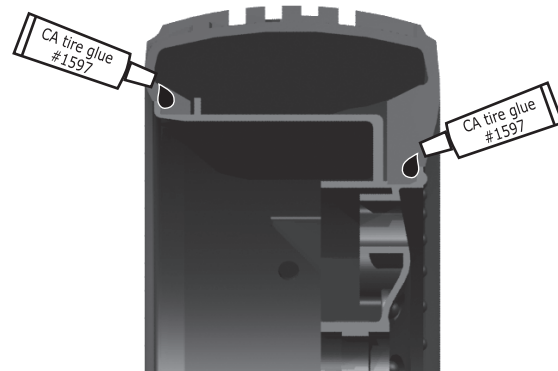
### BAG H

#### H 1 STEP 1



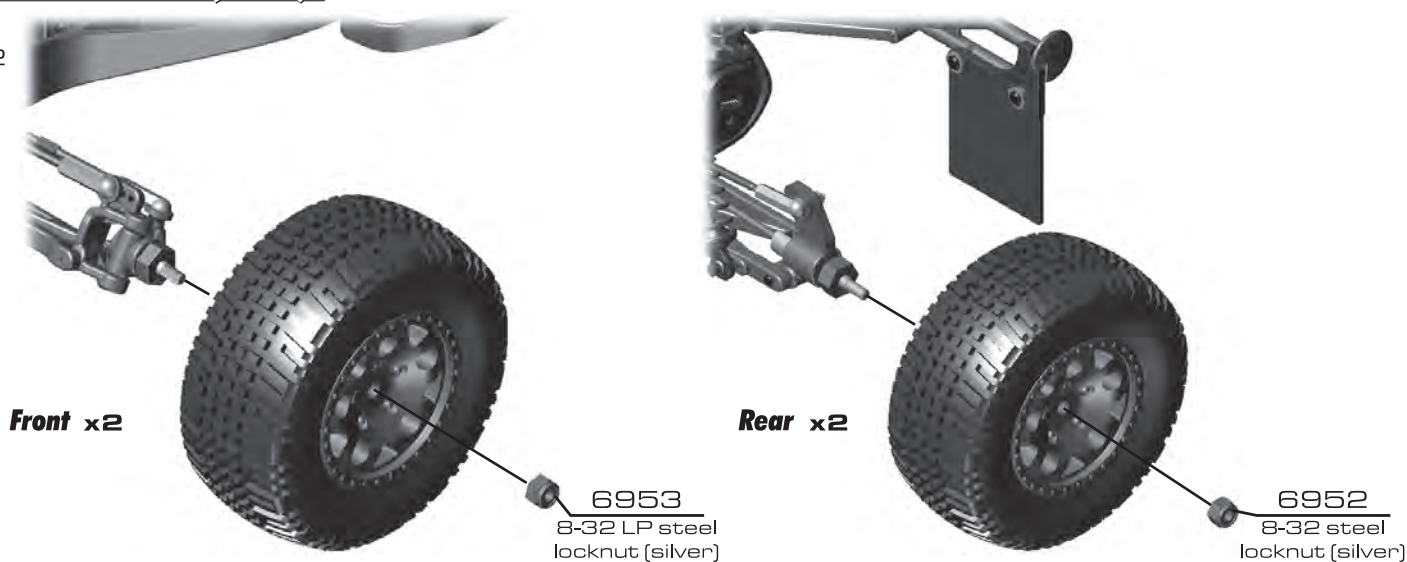
\* The rear tires included in this RTR are made by JConcepts. JConcepts tires can be purchased at their website: <http://www.jconcepts.net>

\* Carefully Apply tire adhesive to the tire bead on both sides. Do one side at a time, allow it to dry before gluing the other side.



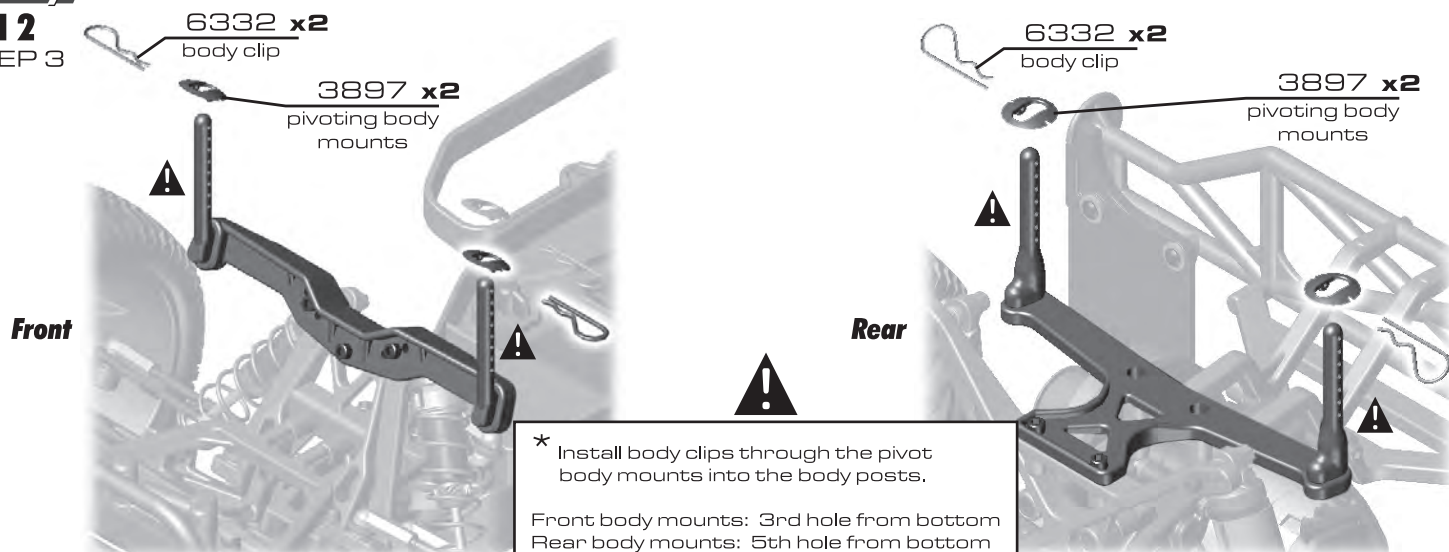
## :: Wheels and Tires (cont.)

#### H 2 STEP 2



## :: Body

#### H 2 STEP 3



## :: Body (cont.)

### H 2

#### STEP 4

9837  
SC10 '09  
clear body  
number plate

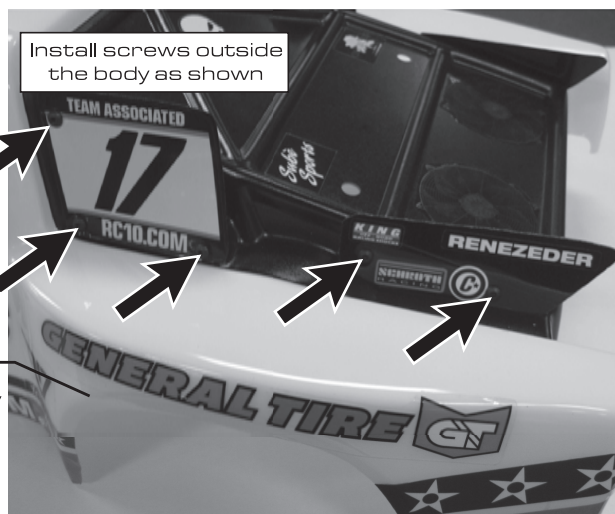
9837  
SC10 '09  
clear body  
rear fin

6222 x10  
nylon locknuts  
4-40/5-40

6288 x10  
4-40 x 1/4  
bhcs

9837  
SC10 '09  
clear body

**Build left and right sides**

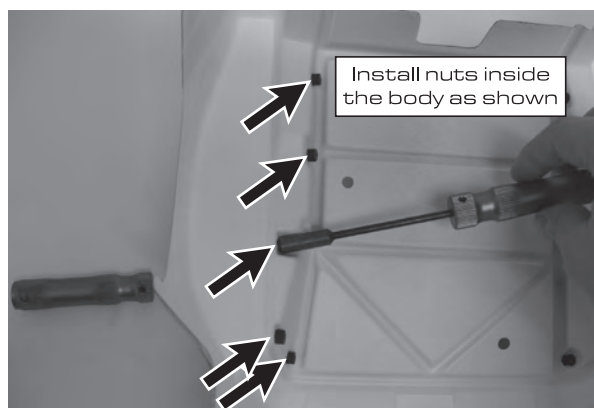


## :: Body (cont.)

### H 2

#### STEP 5

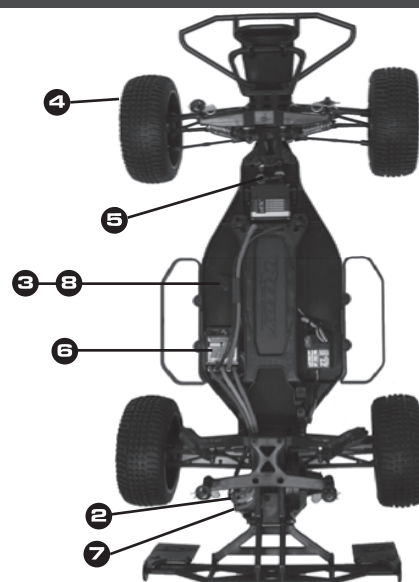
6332 x4  
body clip



## :: Final Adjustments

Use the following steps to make the final adjustments on your truck.

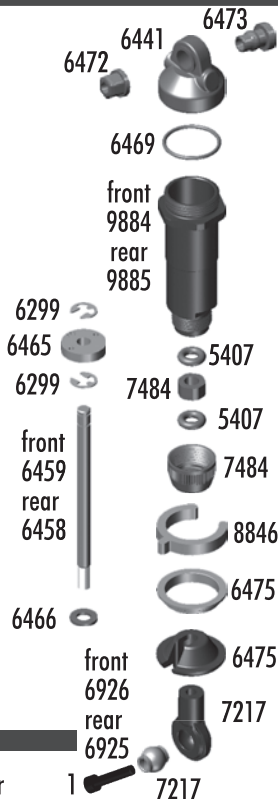
1. Turn the transmitter on.
2. Make sure the motor is disconnected.
3. Connect your battery pack and turn the power switch on.
4. Move the steering control on the transmitter to the right and left. Do the wheels move in the correct direction? If not, you must reverse the steering servo direction on your transmitter (see transmitter manual).
5. Adjust your steering trim (see radio manual) until the steering rack is centered under the top plate. Then, using the two steering turnbuckles, adjust the front wheels so they are pointing straight ahead.
6. Adjust the ESC (electronic speed control) according to the speed control manufacturer's instructions. **Some manufacturers have the motor connected during adjustment and some do not.** Now turn the power switch off.
7. Connect the motor. Place your car on a block or car stand so that all four wheels are elevated. Turn the power switch on again. Check the throttle, brake, and steering settings you have made and then turn the power switch back off.
8. Remember this! The transmitter is always the **FIRST TO BE TURNED ON** and **THE LAST TO BE TURNED OFF.**





## **:: Shocks**

5407	Red O-Rings	8
6299	1/8" E-Clips	12
6441	Shock Cap, Molded	4
6458	Shock Shaft, 1.32" stroke	1
6459	Shock Shaft, 1.02" stroke	1
6465	Shock Pistons, 4 each of #1,2, & 3	1
6466	Shock Down Stops, Set	1
6469	Black Shock Cap O-Ring	4
6472	Shock Mount Nut	4
6473	Shock Bushings	4
6475	Preload Spacers, Collars & Cups 4 thicknesses, 4 sets each	1
6925	4-40 x 1/2" SHCS	6
6926	4-40 x 5/8" SHCS	6
7217	Shock Rod Ends / Plastic Pivot Balls	2
7484	V2 1/10 Shocks Rebuild Kit (rebuilds 4)	1
8846	Preload Spacers, 4 each of 4 different sizes	1
9884	V2 RTR Front Shock Bodies 1.02"	Pr.
9885	V2 RTR Rear Shock Bodies 1.39"	Pr.



## :: Shock Springs

1580	Factory Team Truck Front Spring Kit. 1 pair of green, silver, blue, gold, and red front springs	1
1582	Factory Team Truck Front Spring Kit. 1 pair of green, silver, blue, gold, and red rear springs	1
6478	Rear Spring Silver 2.10 lb	Pr.
6480	Rear Spring Green 1.90 lb (Kit)	Pr.
6481	Rear Spring Black 1.74 lb	Pr.
6482	Rear Spring Gray 2.33 lb	Pr.
7425	Front Spring Gold 3.70 lb (Kit)	Pr.
7426	Front Spring Black 2.765 lb	Pr.
7427	Front Spring Green 2.99 lb	Pr.
7428	Front Spring Silver 3.225 lb	Pr.
7429	Front Spring Blue 3.45 lb	Pr.
7430	Front Spring Red 3.90 lb	Pr.
7434	Rear Spring Blue 2.55 lb	Pr.
7435	Rear Spring Gold 2.75 lb	Pr.
7436	Rear Spring Red 2.95 lb	Pr.



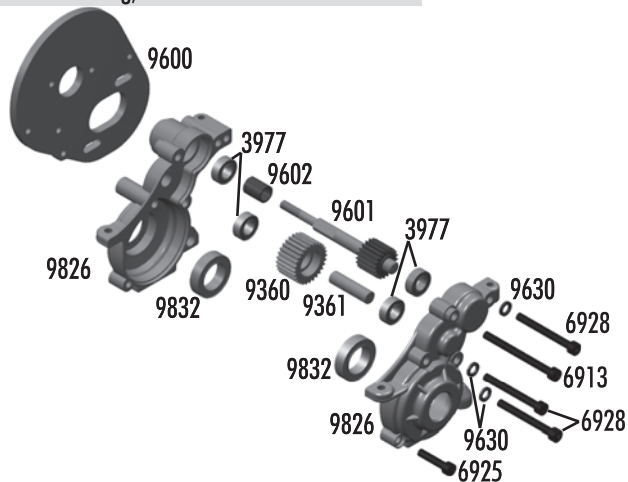
## :: Shock Oil

5420	10 Weight Silicone Shock Oil	2oz.
5421	20 Weight Silicone Shock Oil	2oz.
5422	30 Weight Silicone Shock Oil	2oz.
5423	40 Weight Silicone Shock Oil	2oz.
5424	22.5 Weight Silicone Shock Oil	2oz.
5426	27.5 Weight Silicone Shock Oil	2oz.
5427	15 Weight Silicone Shock Oil	2oz.
5428	25 Weight Silicone Shock Oil	2oz.
5429	35 Weight Silicone Shock Oil	2oz.
5430	45 Weight Silicone Shock Oil	2oz.
5432	32.5 Weight Silicone Shock Oil	2oz.
5433	37.5 Weight Silicone Shock Oil	2oz.
5434	42.5 Weight Silicone Shock Oil	2oz.
5438	47.5 Weight Silicone Shock Oil	2oz.



## **:: Transmission**

3977	Ball Bearing, 3/16" x 3/8"	2
6913	4-40 x 1 1/4" SHCS	6
6925	4-40 x 1/2" SHCS	6
6928	4-40 x 1" SHCS	6
9360	Idler Gear, molded	1
9361	Idler Gear Shaft	1
9600	B4/T4 Motor Plate	1
9601	B4/T4 Top Shaft	1
9602	B4/T4 Top Shaft Spacer	1
9630	Ball End Washer	10
9826	SC10 Transmission Case (left & right)	1
9832	Ball Bearing, 10 x 16mm	2



## :: Slipper Clutch

6285	4-40 x 1/4 SHCS	12
6629	5-40 Locknuts	6
7460	Molded B4/T4 Gear Cover, black (Kit)	1
7461	Molded B4/T4 Gear Cover, clear	1
7486	V2 Slipper Spring and Washer	1
7485	V2 Slipper Hubs	2
9603	B4/T4 Slipper Pad	2
9650	75T 48P Spur Gear	1
9651	81T 48P Spur Gear	1
9652	78T 48P Spur Gear	1
9653	84T 48P Spur Gear	1
9654	87T 48P Spur Gear (Kit)	1

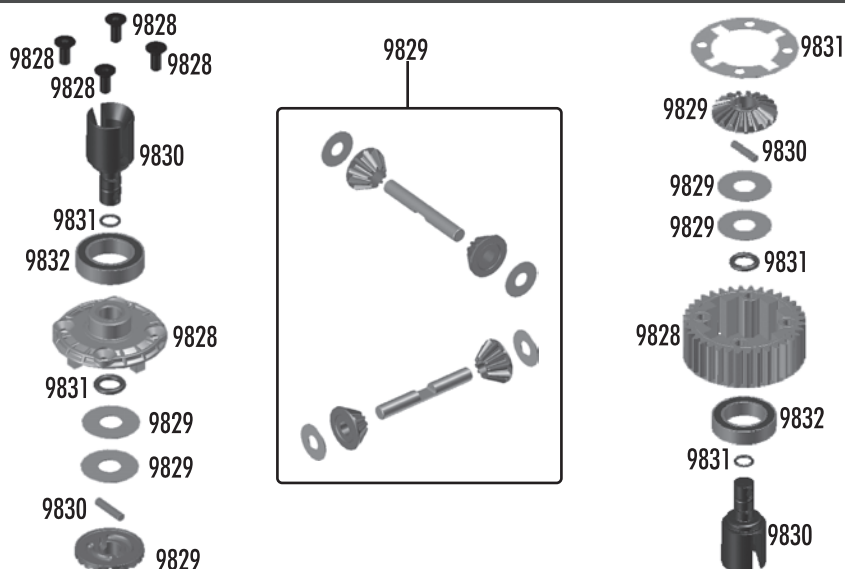
## **:: Pinion**

8252	15T 48P Pinion Gear	1
8253	16T 48P Pinion Gear	1
8254	17T 48P Pinion Gear	1
8255	18T 48P Pinion Gear (Kit)	1
8256	19T 48P Pinion Gear	1
8257	20T 48P Pinion Gear	1
8258	21T 48P Pinion Gear	1
8259	22T 48P Pinion Gear	1
8260	23T 48P Pinion Gear	1
8261	24T 48P Pinion Gear	1
8262	25T 48P Pinion Gear	1
8263	26T 48P Pinion Gear	1



**:: Gear Differential**

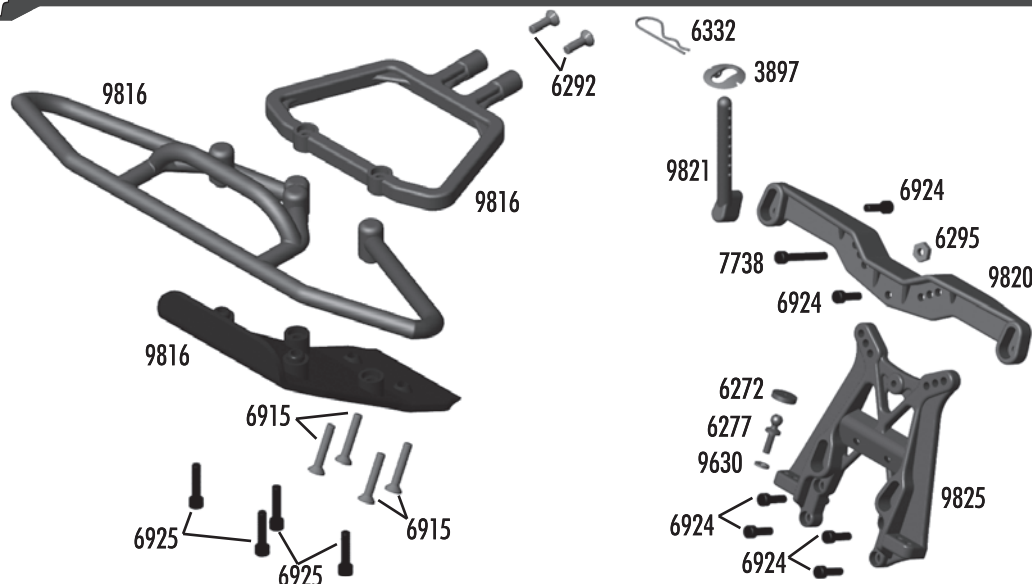
9827	Complete Gear Diff	1
9828	Diff Gear and Cover	1
9829	Gear Diff Rebuild	1
9830	Gear Diff Outdrives, Set	1
9831	Gear Diff O-Ring Set	1
9832	10x16mm Bearing	2

**:: Diff Fluids**

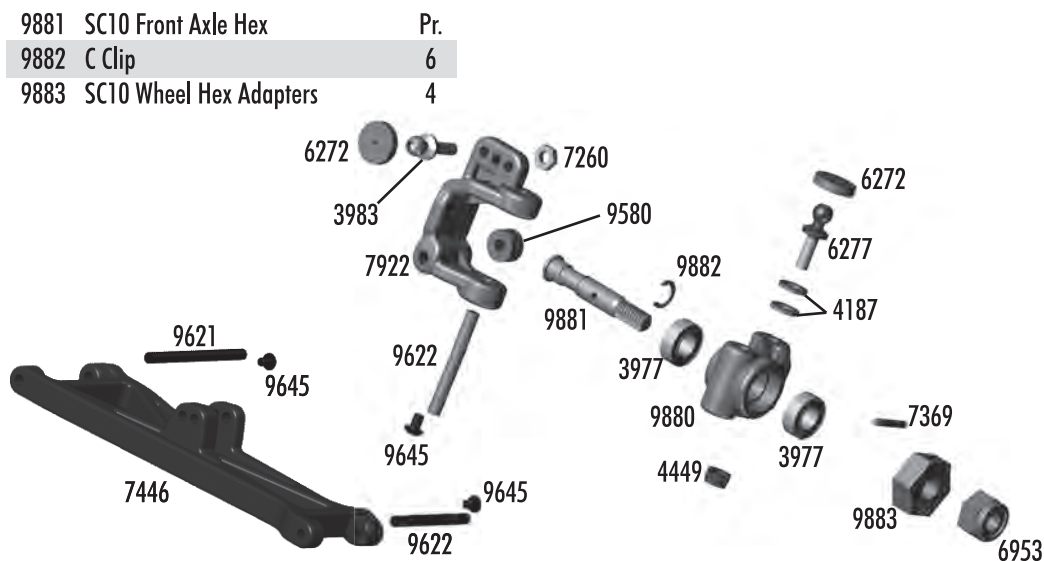
5450	Silicone Diff Fluid 1000CST	1
5451	Silicone Diff Fluid 2000CST	1
5452	Silicone Diff Fluid 3000CST	1
5453	Silicone Diff Fluid 5000CST	1
5454	Silicone Diff Fluid 7000CST	1
5455	Silicone Diff Fluid 10000CST	1

**:: Front Bumper / Shock Tower**

3897	Pivoting Body Mounts, Set	1
6272	Foam Ballend Dust Covers	28
6277	Ballstud .30 Silver (short)	4
6292	4-40 x 3/8" FHCS	6
6295	4-40 Nut	18
6332	Body Clips	6
6915	4-40 x 5/8" FHCS	6
6924	4-40 x 3/8" SHCS	6
6925	4-40 x 1/2" SHCS	6
7738	4-40 x 7/8" SHCS	6
9630	.030" Ballstud Washer	10
9816	SC10 Front Bumper, Front Bumper Brace, Skid Plate Set	1
9820	SC10 Front Body Mount	1
9821	SC10 Front Body Posts, Set	1
9825	SC10 Front Shock Tower	1

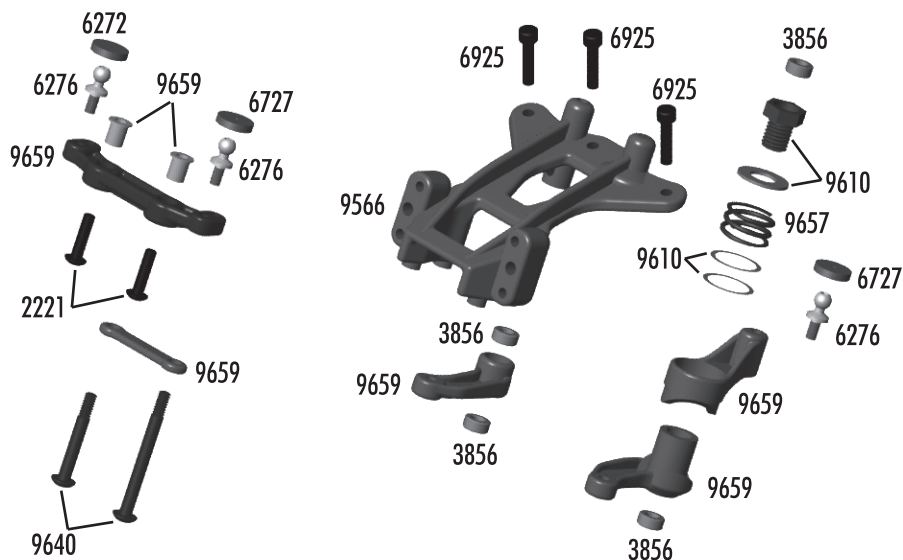
**:: Front Arms / Steering**

3977	Ball Bearing 3/16" x 3/8"	2
3983	Ballstud .30" Black (short)	6
4187	.030 Nylon Washers	12
4449	4-40x3/16 Aluminum Locknut	5
6272	Foam Ballend Dust Covers	28
6277	Ballstud .30 Silver (short)	4
6953	8-32 LP Locking Nut, Steel	6
7260	4-40 Plain Nut	12
7369	1/16" Unoiversal Roll Pin	4
7446	T4 Front A-Arm (left & right)	Pr.
7922	30° Caster Blocks (left & right)	Pr.
9580	Caster Block Spacers, Set	1
9621	B4 Inner Hinge Pin Set	1
9622	B4 Outer Hinge Pin Set	1
9645	2-56 x 1/8" BHCS	8
9880	Steering Blocks, hex style	Pr.

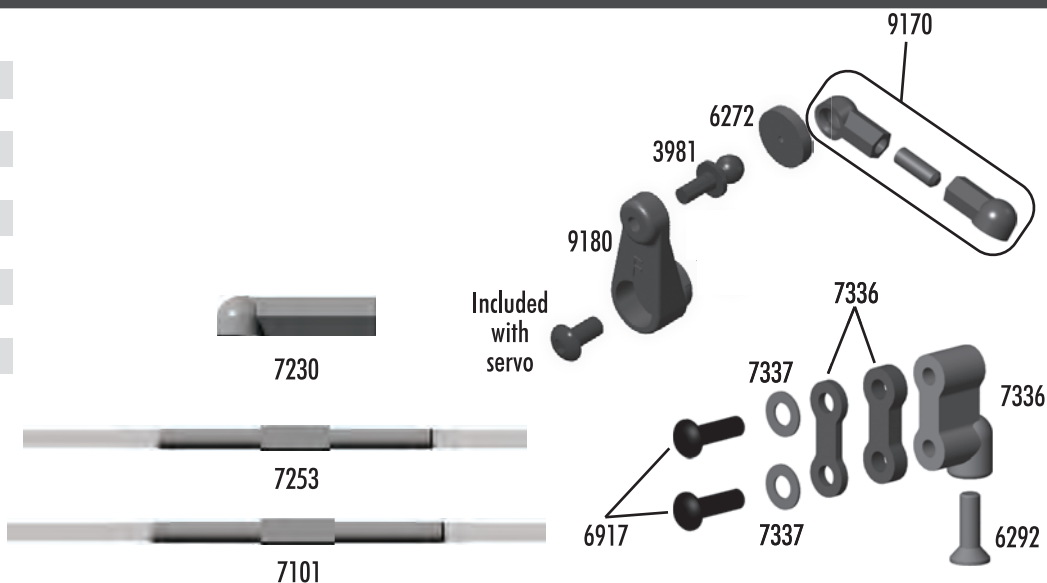


**:: Front Bulkhead**

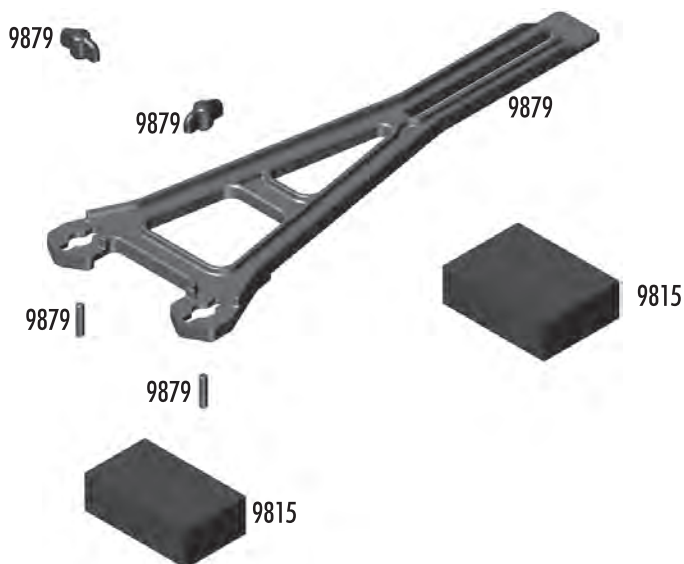
2221	4-40 x 7/16" BHCS	6
3856	Steering Bushings, Set	1
6272	Foam Ball end Dust Covers	28
6276	Ballstud .20" Silver (short)	6
6925	4-40 x 1/2" SHCS	6
9566	B4 / T4 Top Plate	1
9610	Servo Saver / Steering Hardware	1
9640	B4 / T4 Steering Bolt, left & right	1
9657	B4 / T4 HD Servo Saver Spring	1
9659	B4 / T4 Steering Set. Includes Rack, Bellcrank, Servo Saver, Steering Brace	1

**:: Turnbuckles / Servo**

3981	Ballstud .20" Black (short)	6
6272	Foam Ballend Dust Cover	28
6292	4-40 x 3/8" FHCS	6
6917	4-40 x 3/8" BHCS	6
7101	Turnbuckle 2.80"	Pr.
7230	Ballcups, large	12
7253	Turnbuckle 2.62"	Pr.
7336	Servo Mount Set	1
7337	Gold Washer	4
9170	B4 / T4 Servo Link	1
9180	Servo Horns Set	1

**:: Battery Strap**

9815	SC10 Foam Battery Spacer	1
9879	SC10 LiPo Battery Strap. Thumb Screws, and Set Screws	1

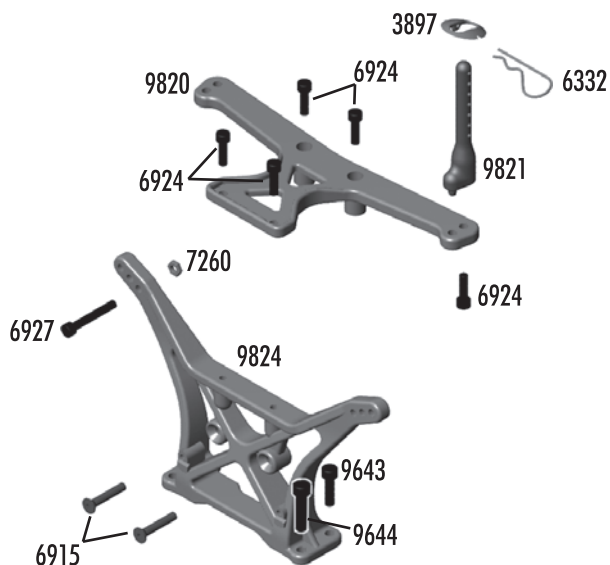




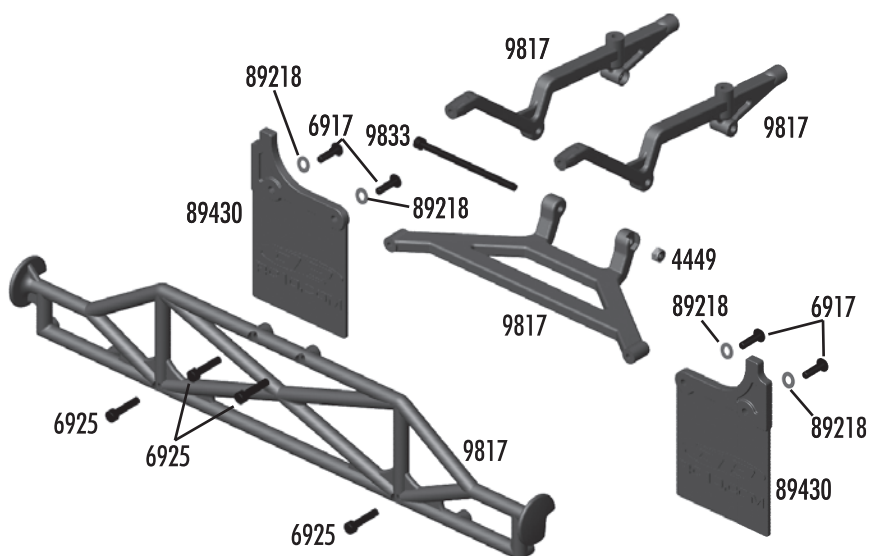


**:: Rear Shock Tower**

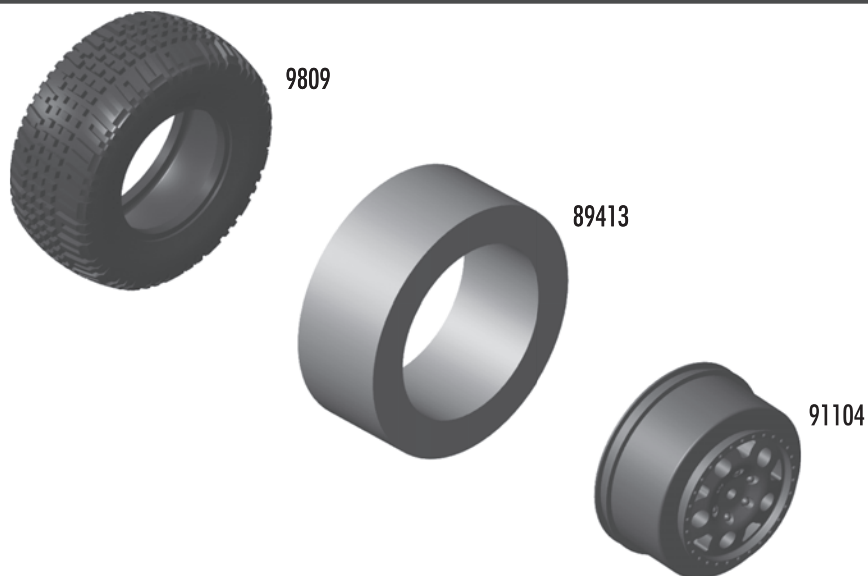
3897	Pivoting Body Mounts, Set	1
6332	Body Clips	6
6915	4-40 x 5/8" FHCS	6
6924	4-40 x 3/8" SHCS	6
6927	4-40 x 3/4" SHCS	6
7260	4-40 Plain Nut	12
9643	5-40 x 7/16" SHCS	6
9644	5-40 x 9/16" SHCS	6
9820	SC10 Body Mounts FR / RR	1
9821	SC10 Body Posts, Set	1
9824	T4 / SC10 Rear Shock Tower	1

**:: Rear Bumper / Braces**

4449	4-40 x 3/16" Aluminum Locknut	5
6917	4-40 x 3/8" BHCS	6
6925	4-40 x 1/2" SHCS	6
9817	SC10 RR Bumper and Brace, Includes Bumper, Braces (left, right, upper, and lower),	1
9833	4-40 x 1 3/4" SHCS	6
89218	3x8mm washer	10
89430	Mud Flaps	Pr.

**:: Wheels / Tires**

9809	SC10 Tire with Foam Insert	2
89413	1/8 Molded Tire Insert	2
91101	KMC Hex Wheels, Black (Kit)	2
91102	KMC Hex Wheels, Silver	2
91103	KMC Hex Wheels, Chrome	2
91104	KMC Hex Wheels/Tire Black (Kit)	2
91105	KMC Hex Wheels/Tire Silver	2
91106	KMC Hex Wheels/Tire Chrome	2



**:: Factory Team and Option Parts**

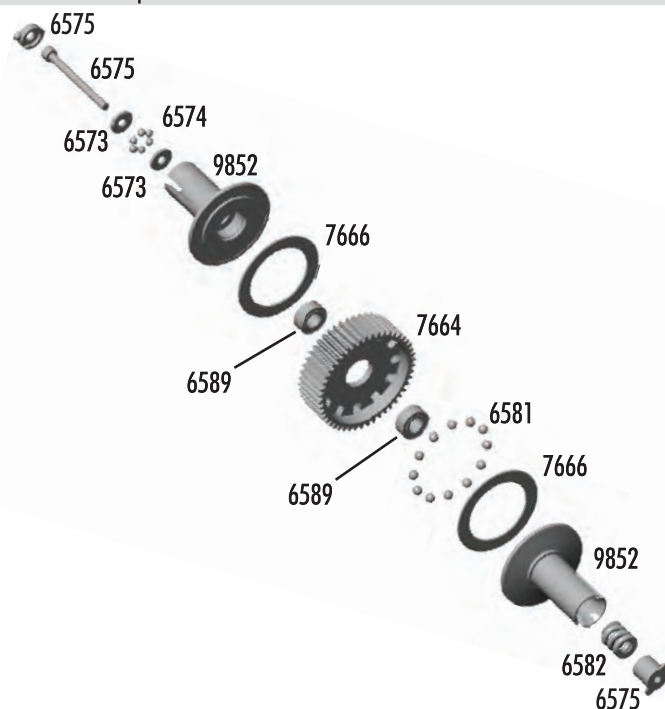
1283	FT T4 Ti Turnbuckle Set	1
1408	FT Ti Turnbuckle, 2.65" (blue) for front steering	Pr.
1409	FT Ti Turnbuckle, 1" (sway bar) (blue)	Pr.
1417	FT Ti Turnbuckle, 2.80" (blue) for front / rear camber	Pr.
1585	FT B4 Aluminum Trailing Axle, requires # 9581, 4187 Not for hex	Pr.
1598	FT Blue Aluminum Shock Caps, (blue) see also #6439	4
1654	FT Solid Axle Pins	4
1734	FT Blue Body Clip, 4 long, 6 short	10
1735	FT Blue Body Clip, long	4
1736	FT Blue Body Clip, short	6
1770	FT Milled Aluminum Motor Plate, (blue)	1
1777	Blue Aluminum Shock Ball Ends with Eyelets, Set	1
1778	FT Milled Aluminum Motor Plate, (black)	1
1779	FT Servo Mounts, blue aluminum	Pr.
1780	FT Blue Aluminum Threaded Shock Bushings	4
1781	FT Rear Shock Bushing (short)	4
1787	FT Battery Strap Thumb Screws, Set	1
3438	8-32 LP Locknuts (blue)	3
3971	Steering Rack Bearings	4
6416	Gold Shock Shaft, 1.32" stroke	1
6417	Gold Shock Shaft, 1.02" stroke	1
6439	FT Blue Aluminum Shock Caps, (blue) see also #1598	1
6443	Bleeder Shock Caps, 1/10	4
6463	Shock Pistons, Blank	8
6584	3/32" Ceramic Diff Balls	12
6906	Ball Bearing, PTFE Sealed 3/16 x 3/8"	2
6937	FT 4-40 Aluminum Locknuts (blue)	6
6943	FT 8-32 Aluminum Locknuts (blue)	6
7381	CVD/CVA Rebuild Kit	1
7416	FT Threaded Shock Collar & O-Rings	Pr.
7447	T4 Front A-Arm, Carbon	Pr.
7449	T4 Rear A-Arm, Carbon	Pr.
7453	CVD Axle Bone T4 (black)	Pr.
7455	CVD Set T4	Pr.
7476	FT V2 1.02" Threaded Shocks Kit	Pr.
7477	FT V2 1.02" Threaded Shock Bodies	Pr.
7482	FT V2 1.39" Threaded Shocks Kit	Pr.
7483	FT V2 1.39" Threaded Shock Bodies	Pr.
7495	FT Vented V2 Slipper Hubs	2
7922	Caster Block 30 deg, (left & right) (Kit)	Pr.
7933	Crush Tube (for use with FT Aluminum Hubs Only)	2
7935	.187 x .50 x .196 Bearing (for use with FT Aluminum Hubs Only)	2
7990	Aluminum Front Bulkhead (blue)	1
9565	B4 / T4 Chassis Brace, Hinge Pin Brace, Carbon	1
9567	B4 / T4 Top Plate, Carbon	1
9592	B4 / T4 Caster Block 20 deg, (left & right)	Pr.
9596	FT SC10 / T4 CVA Bones, requires #9761	Pr.
9598	CVD Axles B4, T4, SC10	Pr.
9600B	FT B4 / T4 Aluminum Motor Plate (blue)	1
9608	RR Axle Wheel Spacer (silver)	Pr.
9610B	B4 / T4 Blue Servo Saver Bolt	1
9635	B4 / T4 Sway Bar Kit.	1
9665	FT B4 / T4 Aluminum Hinge Pin Brace V2	1

**:: Factory Team and Option Parts (cont.)**

9674	T4 Shiny CVD Dogbone, requires #9598	Pr.
9678	FT SC10 / T4 CVA Set	Pr.
9755	CVA Axle, Rear B44, B4, T4, SC10	Pr.
9789	SC10 / B4 FT Ti Front Axles, Set, requires # 9581, 4187 Not for hex	1
9795	Ti Nitride Ballstuds 4-40 x .20 - long	Pr.
9796	Ti Nitride Ballstuds 4-40 x .30 - long	Pr.
9797	Ti Nitride Ballstuds 4-40 x .40 - long	Pr.
9798	Ti Nitride Ballstuds 4-40 x .20 - short	Pr.
9799	Ti Nitride Ballstuds 4-40 x .30 - short	Pr.
9851	SC10 Battery Strap, Carbon	1
9864	FT Aluminum Hub, 0 deg (requires #7933, #7935, #6906)	Pr.
9865	FT Aluminum Hub, 0.5 deg (requires #7933, #7935, #6906)	Pr.
9866	FT Aluminum Hub, 1 deg (requires #7933, #7935, #6906)	Pr.
9867	FT Aluminum Hub, 1.5 deg (requires #7933, #7935, #6906)	Pr.
9872	FT Aluminum Hub Tower Set	1
9873	FT Aluminum Hub Tower C, carbon fiber	Pr.

**:: Ball Diff Transmission Option**

6573	Diff Thrust Washer & Bolt	2
6574	Precision Diff Thrust Balls, 5/64"	6
6575	Locking T-Nut, Diff Thrust Bolt, & Cover	1
6581	3/32" Carbide Diff Balls	12
6582	Diff Thrust Spring	1
6589	Ball Bearing, 5/32 x 5/16" unflanged	2
7664	Diff Gear 52T	1
7666	Diff Drive Rings, 2.60:1	2
7667	Diff Outdrive Hub, Right, 2.60:1	1
7668	Diff Outdrive Hub, Left, 2.60:1	1
7677	B4 / T4 / GT Diff Rebuild Kit	1
9574	B4 / T4 Transmission Case (left & right)	1
9852	SC10 Ball Diff Outdrives	1
9853	SC10 Complete Ball Differential	1





**:: XP Electronics**

29107	S1903 Metal Gear Set	1
29125	S1903MG Servo	1
29126	S2008MG Servo	1
29131	AE SHV 1504 Servo	1
29132	AE SHV 1504 MG Servo	1
29140	XP SC200 ESC	1
29141	XP SC450-BL Brushless ESC	1
29142	XP ESC Fan Option	1
29143	XP SC700 Brushless ESC	1
29150	XP RX/TX CHarger 110v	1
29155	XP3D FM Radio System 27mHz	1
29156	XP3D FM Radio System 75mHz	1
29158	XP3D 3ch Digital Transmitter Only	1
29160	27mHz Module AM for XP3D	1
29161	27mHz Module FM, for XP3D	1
29162	75mHz Module FM for XP3D	1
29164	Micro RX 3ch FM 27mHz	1
29165	Micro RX 3ch FM 75mHz	1
29166	XP DS1313 Digital Servo	1
29177	XP DS1015 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
29221	XP3SS 2.4GHz Radio System	1
29222	TRS401SS 2.4GHz 4Ch Receiver	1
29223	2.4GHz Module and RX (XP3D)	1
29224	2.4GHz Module (XP3D)	1

**:: Reedy Batteries and Chargers**

302	AA Alkaline 1.5V (4)	1
303	AA 2700mAh NiMH 1.2V Rechargeable	1
604	526-S AC/DC 2S-6S LiPo/LiFe Charger	1
610	447-S AC/DC NiMH Peak Charger	1
627	LiPo 60C 5200mAh 7.4V SP	1
628	LiPo 60C 5500mAh 7.4V	1
632	TX Lightweight Battery 1350mAh 11.1V	1
633	TX Battery - 3PK, M11 3000mAh 11.1V	1
634	TX Battery - Helios, Z1 2400mAh 11.1V	1
637	TX Battery - M11X 2500mAh 7.4V	1
681	Wolfpack 2400mAh 7.2V w/DEANS® connector	1
682	Wolfpack 3000mAh 7.2V w/DEANS® connector	1
683	Wolfpack 3600mAh 7.2V w/DEANS® connector	1
684	Wolfpack 4200mAh 7.2V w/DEANS® connector	1
685	LiPo 40C + 5000mAh 7.4V	1
689	R-Power 1700mAh 7.2V w/TAM connector	1
693	Wolfpack 2400mAh 7.2V w/TAM connector	1
694	Wolfpack 3000mAh 7.2V w/TAM connector	1
695	Wolfpack 3600mAh 7.2V w/TAM connector	1
700	Wolfpack 4200mAh 7.2V w/TAM connector	1
709	LiPo 5000mAh 7.4V 35C ROAR Spec	1
713	LiPo 2400mAh 7.4V 20C Stick	1
714	LiPo 3400mAh 7.4V 25C Stick	1
723	LiFe 4000mAh 6.6V 30C	1

**:: Reedy Batteries and Chargers (cont.)**

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

**:: Reedy Motors**

916	540R Brushless Motor 3300kV	1
917	540R Brushless Motor 3900kV	1
918	540R Brushless Motor 4900kV	1
919	540R Brushless Motor 6100kV	1
936	XP SC450-BL/Reedy 540R 3300kV Combo	1
937	XP SC450-BL/Reedy 540R 3900kV Combo	1
963	XP SC450-BL/Reedy 540-SL 3300kV Combo	1
964	XP SC450-BL/Reedy 540-SL 3900kV Combo	1
965	XP SC700-BL/Reedy 540-SL 3300kV Combo	1
966	XP SC700-BL/Reedy 540-SL 3900kV Combo	1
967	XP SC700-BL/Reedy 540-SL 4900kV Combo	1
9626	Radon 17T 30,000 RPM Brushed Motor	1

**:: Reedy Accessories**

605	Motor Cooling Fans (2)	1
606	Charge Harness 2S Saddle Pack 4mm	1
607	Charge Harness 2S Standard Pack 4mm	1
654	4.0mm plugs (2M, 2F)	1
655	4.0mm plugs (2M, 10F)	1
656	4.0mm plugs (10F)	1
657	4.0mm plugs (100F)	1
658	4.0mm plugs (10M)	1
659	4.0mm plugs (30M)	1
660	3.5mm plugs (3M, 3F)	1
661	3.5mm plugs (10F)	1
662	3.5mm plugs (100F)	1
663	3.5mm plugs (10M)	1
664	3.5mm plugs (30M)	1
716	Reedy 09 Decal Set	1

**:: LRP Speed Controls**

LRP80100	AI Brushless Reverse	1
LRP80150	AI Brushless Pro Reverse	1
LRP80400	SPX Brushless Super Reverse	1
LRP80905	SXX Competition V.2	1
LRP80915	SXX Stock-Spec V.2	1
LRP80955	SXX TC-Spec V.2	1

**:: LRP Brushless Motors**

LRP50642	LRP X-12 9.5 Turn	1
LRP50652	LRP X-12 8.5 Turn	1
LRP50662	LRP X-12 7.5 Turn	1
LRP50672	LRP X-12 6.5 Turn	1
LRP50682	LRP X-12 5.5 Turn	1
LRP50687	LRP X-12 5.0 Turn	1
LRP50692	LRP X-12 4.5 Turn	1
LRP50702	LRP X-12 4.0 Turn	1
LRP50712	LRP X-12 3.5 Turn	1
LRP50722	LRP X-12 3.0 Turn	1

**:: LRP Brushless Motors (cont.)**

LRP50832	LRP X-12 Stock-Spec 10.5 Turn	1
LRP50842	LRP X-12 Stock Spec 13.5 Turn	1
LRP50852	LRP X-12 Stock Spec 17.5 Turn	1
LRP50862	LRP X-12 Stock Spec 21.5 Turn	1

**:: LRP Brushless Combo's**

LRP80677	SXX Stock-Spec V2/ X-12 Stock-Spec 10.5 Turn	1
LRP80678	SXX Stock-Spec V2/ X-12 Stock-Spec 13.5 Turn	1
LRP80679	SXX Stock-Spec V2/ X-12 Stock-Spec 17.5 Turn	1
LRP80694	SXX COMP v.2 / X-12 5.0 Turn	1
LRP80695	SXX COMP v.2 / X-12 5.5 Turn	1
LRP80696	SXX COMP v.2 / X-12 6.5 Turn	1
LRP80697	SXX COMP v.2 / X-12 7.5 Turn	1
LRP80698	SXX COMP v.2 / X-12 8.5 Turn	1
LRP80699	SXX COMP v.2 / X-12 9.5 Turn	1
LRP80790	SXX TC v.2 / X-12 3.0 Turn	1
LRP80791	SXX TC v.2 / X-12 3.5 Turn	1
LRP80792	SXX TC v.2 / X-12 4.0 Turn	1
LRP80793	SXX TC v.2 / X-12 4.5 Turn	1
LRP80794	SXX TC v.2 / X-12 5.0 Turn	1
LRP80795	SXX TC v.2 / X-12 5.5 Turn	1
LRP80796	SXX TC v.2 / X-12 6.5 Turn	1
LRP80797	SXX TC v.2 / X-12 7.5 Turn	1
LRP80798	SXX TC v.2 / X-12 8.5 Turn	1
LRP80799	SXX TC v.2 / X-12 9.5 Turn	1

**:: LRP Chargers, Power Supply, Balancer, Iron**

LRP41281	Quadra Pro 2 Charger	1
LRP41555	Pulsar Touch Competition Charger	1
LRP43150	Power Supply Competition	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

**:: LRP Misc.**

LRP50620	X-12 Replacement Ball Bearings	1
LRP50621	X-12 Optional Ceramic Ball Bearings	1
LRP50622	X-12 Small parts Set	1
LRP50623	X-12 PreciSensor Unit	1
LRP50624	X-12 Replacement alum Front can	1
LRP50625	X-12 Lightweight Alum Can	1
LRP50626	X-12 Alum Rear Cover	1
LRP50632	X-12 12.0mm sintered rotor	1
LRP50633	X-12 12.5mm sintered rotor	1
LRP50634	X-12 13.0mm sintered rotor	1
LRP80135	BEC stabilizing capacitor	1
LRP82511	Brushless Low Profile Fan	1
LRP82520	Brushless/Brushed Cooling Set	1
LRP82530	Power Cap 3.7 - 4.8V	1
LRP82531	Power Cap 6.0 - 7.4V	1
LRP819307	70mm High Flex Sensor Wire	1
LRP819310	100mm High Flex Sensor Wire	1
LRP819315	150mm High Flex Sensor Wire	1
LRP819320	200mm High Flex Sensor Wire	1

**:: Apparel**

SP35**	Reedy 09' White T-Shirt (M, L, XL, 2XL, 3XL)	1
SP36**	Reedy 09' Black T-Shirt (M, L, XL, 2XL, 3XL)	1
SP62**	AE Vertigo Long Sleeve T-Shirt (S, M, L, XL, 2XL)	1
SP63**	AE Vertigo White T-Shirt (S, M, L, XL, 2XL, 3XL, 4XL)	1
SP64**	AE Vertigo Blue T-Shirt (S, M, L, XL, 2XL, 3XL, 4XL)	1
SP65**	AE Vertigo Black T-Shirt (S, M, L, XL, 2XL, 3XL, 4XL)	1
SP66**	AE Stencil Blue T-Shirt (S, M, L, XL, 2XL, 3XL)	1
SP67**	AE Stencil Gray Sweatshirt (S, M, L, XL, 2XL, 3XL)	1
SP101	1/8 Inner Boxes Only, Set	1
SP102	1/10 Inner and Outer Boxes Only, Set	1
SP103	1/10 Inner Boxes Only, Set	1
SP411S	AE Hat 11' Flatbill Black S/M	1
SP411L	AE Hat 11' Flatbill Black L/XL	1
SP416	1/10 Car Carrier Bag Only	1
SP417	1/10 FT Motor Bag	1
SP420**	AE Pit Gloves (M, L, XL)	Pr.
715	Reedy 2009 Track Banner	1
110684	Team Associated Track Banner	1

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

**:: Bodies and Decals**

9836	SC10 Clear Body	1
9837	SC10 '09 Clear Body	1
9838	SC10 KMC Body, pre-painted & detailed	1
9840	SC10 Bully Dog Body, pre-painted & detailed	1
9841	SC10 Pro Comp Body, pre-painted & detailed	1
9843	SC10 KMC Decal Sheet	1
9844	SC10 Lucas Oil Decal Sheet	1
9845	SC10 Bully Dog Decal Sheet	1
9846	SC10 Pro Comp Decal Sheet	1
9847	SC10 AE Decal Sheet	1
9848	SC10 Ready Lift Body, pre-painted & detailed	1
9849	SC10 Ready Lift Decal Sheet	1
9856	SC10 '09 Lucas Oil Body, pre-painted & detailed	1
9857	SC10 '09 Lucas Oil Decal Sheet	1
9858	SC10 '09 Pro Comp Body, pre-painted & detailed	1
9859	SC10 '09 Pro Comp Decal Sheet	1
9860	SC10 '09 Speed Tech Body, pre-painted & detailed	1
9861	SC10 '09 Speed Tech Decal Sheet	1
9862	SC10 '09 Rockstar / Makita Body, pre-painted & detailed	1
9863	SC10 '09 Rockstar / Makita Decal Sheet	1
9874	SC10 '09 Monster Energy Body, pre-painted & detailed	1
9875	SC10 '09 Monster Energy Decal Sheet	1
9876	SC10 Contender Body, clear	1

**:: Lubes and Adhesives**

1105	Green Slime Shock Lube	4cc
1596	FT Locking Compound	10ml
1597	FT Tire Adhesive	.70oz
6588	Black Grease	4cc
6591	Diff Lube	4cc
6636	Silicone Lube	4cc
6727	Servo Tape Strips	2



**:: 1/18 Kits and RTR's**

20100	RC18T RTR (ready-to-run)	1
20101	RC18T2 2.4ghz RTR (ready-to-run)	1
20103	RC18B2 - RC18T2 Team Kit	1
20105	RC18B RTR (ready-to-run)	1
20106	RC18B2 2.4ghz RTR (ready-to-run)	1
20110	RC18MT RTR (ready-to-run)	1
20115	RC18R Kamino RTR (ready-to-run)	1
20118	RC18R Niteline RTR (ready-to-run)	1
20120	SC18 RTR (ready-to-run)	1
20130	RC18LM RTR (ready-to-run)	1

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

2033	FT Nitro TC3 Kit	1
2042	Nitro TC3 RTR Plus (ready-to-run)	1
4019	FT 12R5.1 Kit	1
7023	RC10T4.1 FT Kit	1
7027	SC10 2WD Short Course Race Truck Kit	1
7029	SC10 Associated/RC10.com Truck RTR (ready-to-run)	1
7030	SC10 KMC Wheels Race Truck RTR (ready-to-run)	1
7032	SC10 Ready Lift RTR (ready-to-run)	1
7034	SC10 FT Kit	1
7036	RC10T4.1 RTR 2.4GHz Brushed (ready-to-run)	1
7037	RC10T4.1 RTR 2.4GHz Brushless (ready-to-run)	1
7046	SC10 RS RTR, 2.4ghz Brushless Lucas Oil Body	1
7047	SC10 RS RTR, 2.4ghz Brushless Monster Energy	1
7048	SC10 RS RTR, 2.4ghz Brushless Pro Comp Body	1
7049	SC10 RS RTR, 2.4ghz Brushless Rockstar / Makita Body	1
7080	FT GT2 Nitro Truck Kit	1
7092	GT2 RS Truck Nitro RTR (ready-to-run)	1
8021	FT RC10R5-OVAL Kit	1
9036	RC10B4.1 FT Kit	1
9038	RC10B4.1 RTR 2.4GHz Brushed (ready-to-run)	1
9039	RC10B4.1 RTR 2.4GHz Brushless (ready-to-run)	1
9061	FT B44.1 4WD Buggy Kit	1
20515	MGT 3.0 Nitro Monster Truck RTR (ready-to-run)	1
30105	FT TC5R Rubber Tire Edition 4WD Touring Car Kit	1
30106	FT TC6 4WD Touring Car Kit	1
30111	TC4 4WD Touring Car RTR (ready-to-run)	1

**:: 1/8 Kits and RTR's**

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
80902	FT RC8B Nitro Buggy Kit	1
80904	FT RC8Be Electric Buggy Kit	1
80905	RC8RS "Race Spec" Nitro Buggy RTR (ready-to-run)	1
80912	RC8T Championship Edition	1
80921	SC8 Short Course Race Truck, Lucas Oil Nitro RTR (ready-to-run)	1
80922	SC8 Short Course Race Truck, KMC Wheels Nitro RTR (ready-to-run)	1
80923	SC8 Short Course Race Truck, Bully Dog Nitro RTR (ready-to-run)	1
80924	SC8 Short Course Race Truck, AE Team Nitro RTR (ready-to-run)	1
80925	SC8 Short Course Race Truck, Pro Comp Nitro RTR (ready-to-run)	1
80932	SC8e Short Course Race Truck Rockstar/Makita RTR (ready-to-run)	1

Check out [www.TeamAssociated.com](http://www.TeamAssociated.com) - [www.RC10.com](http://www.RC10.com) for the latest kits, RTRs, and option parts for your SC10 and other Associated vehicles!

**:: Tools**

1111	FT Turnbuckle Wrench	1
1449	Offroad Ride Height Gauge	1
1450	FT 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
1566	FT 7.0mm Silver 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
3987	FT Droop Gauge	1
6956	Molded Tools, Set	1
7709	4 Inch Nylon Wire Ties	12



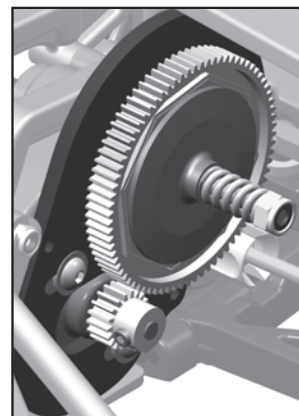
## :: Adjustments / Tips

### Motor Gearing:

Proper motor gearing will result in maximum performance and run time while reducing the chance of overheating and premature motor failure. The gear ratio chart lists recommended starting gear ratios for the most widely used motor types. Gear ratios will vary depending upon track conditions, driving style, and personal preference. Generally, you should not increase the pinion gear size more than one tooth greater than the starting size.

**SC10 Gear Ratio Chart**

MOTOR	Pinion	Spur	FDR
27T Stock Motor	19	87	11.91:1
19T Super Stock Motor	19	87	11.91:1
17T Modified Motor	24	87	9.43:1
15T Modified Motor	22	87	10.28:1
14T Modified Motor	21	87	10.77:1
17.5 Brushless Motor	28	75	6.96:1
13.5 Brushless Motor	26	75	7.50:1
10.5 Brushless Motor	24	87	9.42:1
3300kV Brushless Motor	18	87	12.57:1



### Set The Gear Mesh

You should be able to rock the teeth of the spur gear and the teeth of the pinion gear, slightly back and forth in the teeth of the pinion gear without making the pinion gear move. If the gear mesh is tight, then loosen the #31531 motor screws and move the motor back a little. Tighten the motor screws, then check gear mesh again. Gear mesh that is too tight or too loose can reduce power and damage or overheat the motor, or damage the teeth of the gears.

## MAINTENANCE

### Check For Fit

Periodically check all moving suspension parts. Suspension components must be kept clean and move freely without binding to prevent poor and / or inconsistent handling.

### Motor Maintenance

Brushed motors require frequent maintenance to keep performance levels at their maximum. Between runs and after letting the motor cool completely, inspect the brushes to ensure that they are moving freely in their holders. Remove the springs and slide the brushes in and out of their holders checking for any resistance or rough spots. If found, remove the brush and carefully wipe it clean. Removing buildup will allow the brush to slide freely and create maximum contact with the commutator resulting in maximum power output.

After every 3-5 runs, remove the brushes from their holders and inspect the tips for wear or burning. If there is noticeable wear (less than 75% of the brush remaining), replace the brush with a new pair. If the tips become a burned blue color, the lubricant in the brush has been burned away and new brushes should be installed.

Occasionally, the motor should be cleaned with a soft brush to prevent dirt build up around the brush hood area and ball bearings. At this time, it is a good idea to add one drop of bushing / bearing oil to each bushing or ball bearing.

If using a brushless motor, please refer to the motor manufacturer's guidelines for proper maintenance.

### Slipper Clutch

The assembly instructions give you a base setting for your clutch. Turn the nut on the shaft so that the end of the top shaft is even with the outside of the nut. Tighten the nut 3 more turns. At the track, tighten or loosen the nut in 1/8 turn increments until you hear a faint slipping sound for 1-2 feet on takeoffs.

Another popular way to set the clutch is to hold both rear tires firmly in place and apply short bursts of throttle. If the clutch is properly set, the front tires should lift slightly up off the surface.

## :: Adjustments / Tips

### 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.



\* Raise or lower the ball end by adding or subtracting washers here

### Caster

Caster describes the angle of the kingpin as it leans toward the rear of the vehicle. Positive caster means the kingpin leans rearward at the top. The supplied 30° caster blocks (#7922) are recommended in most cases. For less corner entry steering and more exit steering, try the optional 25° blocks (#7919).

### 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°. Use the included #1719 camber gauge to set your camber. Positive camber, where the top of the tire is leaning out, is not recommended.



\* Testing camber with camber gauge

### 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 med-grip loose tracks. The kit setting is the best compromise of cornering grip and acceleration.



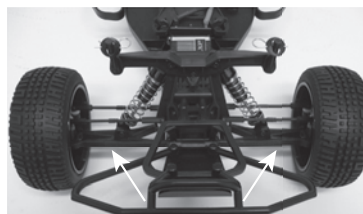
\* Raise or lower the ball end by adding or subtracting washers here

### 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°. Use the included #1719 camber gauge 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.

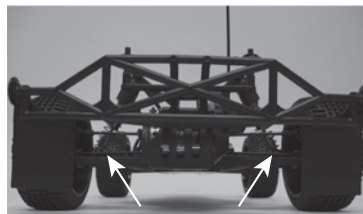
### Ride Height

Ride height is the distance from the ground to the bottom of the chassis. The standard front ride height setting is with the front arms level (referred to as "arms level"). Check the ride height by lifting up the entire car about 8-12 inches off the bench and drop it. After the suspension "settles" into place, add or remove pre-load clips so that the left & right arms appear to be level.



\* Front arms should be in a straight line when ride height is set at "arms level"

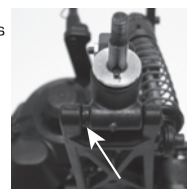
The rear ride height setting you should use most often is with the outdrive, driveshaft, and axles all on the same imaginary horizontal line (referred to as "bones level"). Check the ride height by lifting up the entire car about 8-12 inches off the bench and drop it. After the suspension "settles" into place, add or remove pre-load clips so that the left & right driveshafts appear to be level.



\* Dogbones should be in a straight line when ride height is set at "dogbones level"

### Wheelbase Adjustment

You have three options for rear hub spacing, Forward, Middle, & Back. The kit setting provides the most rear traction, and will be used most often. A short wheelbase will make the rear end more responsive.



\* Spacers to the rear will place hubs forward, shortening the wheelbase

### Anti-Roll bar

The optional #9635 rear anti-roll bar kit (also called the "swaybar") allows you to add roll resistance to the rear end with minimal effect on handling over bumps and jumps. It is an especially helpful tuning item on high-grip tracks (try the gold bar). The silver and black anti-roll bars are typically used on medium-grip loose tracks.

**:: Contact Information:**

**Associated Electrics, Inc.  
26021 Commercentre Drive  
Lake Forest, CA 92630-8853 USA  
<http://www.TeamAssociated.com>  
<http://www.RC10.com>  
[http://twitter/Team Associated](http://twitter/TeamAssociated)  
<http://bit.ly/AEonFacebook>**

**call: (949) 544-7500**

**fax: (949) 544-7501**

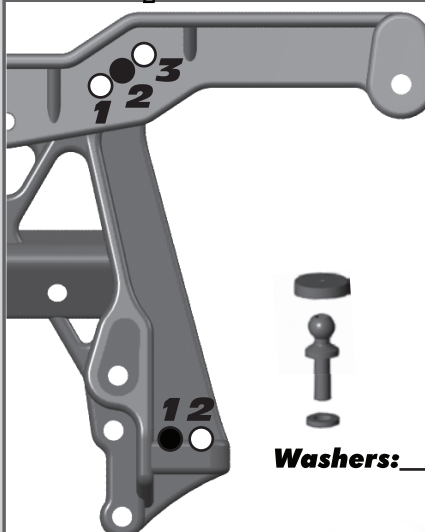
**Check out the following web sites for all of our electric kits, current products, new releases, setup help, tips, and racing info!**

**[www.TeamAssociated.com](http://www.TeamAssociated.com). - [www.RC10.com](http://www.RC10.com)**



**:: Notes:**

## Front Suspension



**Camber:** -1°

**Toe:** 0°

**Ride Height:** arms level

**Washers:** 1

**Bump Steer Spacers:** 2

**Caster:**

20° ☐

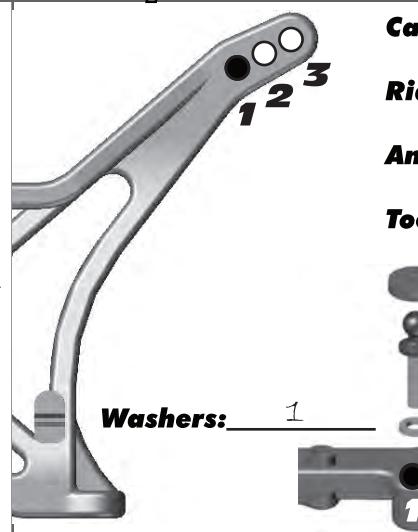
25° ☐

30° ☒

**ABC**

**IO**

## Rear Suspension



**Camber:** 0°

**Ride Height:** bones level

**Anti-Squat:** 2°

**Toe:** 3°

**Washers:** 1

**Anti Roll Bar:**

None ☒

Black (soft) ☐

Silver (med) ☐

Gold (hard) ☐

**Drivetrain:**

Dog Bones ☒

CVD ☐

CVA ☐

**Rear Hub Carriers:**

Std 0° ☒

0.5° ☐

1° ☐

1.5° ☐

**Wheelbase:**

Long ☐

Medium ☐

Short ☒

**Rear Hub Tower:** std

**ABC**

**IO**

## Front Shocks

**Spring:** gold **Piston:** #3

**Shock Fluid:** 30wt **Limiter:** 5 thin

**Rebound:** \_\_\_\_\_ **Bladder** ☐ **Emulsion** ☐

## Rear Shocks

**Spring:** green **Piston:** #1

**Shock Fluid:** 30wt **Limiter:** 2 thin

**Rebound:** \_\_\_\_\_ **Bladder** ☐ **Emulsion** ☐

## Electronics

**Motor & Wind:** Reedy 540R 3300kv BL

**Pinion:** 18

**Spur Gear:** 87

**Batteries:** not included

**Battery Placement:** Front ☐ Middle ☒ Back ☐

**Other** ☐

**Radio:** XP 2.4 GHz

**Throttle / Brake e.p.a:** \_\_\_\_\_

**Throttle / Brake expo:** \_\_\_\_\_

**Servo:** SHV1903 MG **Steering Expo:** \_\_\_\_\_

**ESC:** XP SC700

**ESC Profile:** \_\_\_\_\_

## Differentials

**Gear Diff:** ☒ black grease

**Ball Diff:** ☐

## Other

**Body Type:** SC10 09' Championship Body

**Body Notes:** \_\_\_\_\_

## Front Tires

**Tire:** standard **Compound:** standard

**Insert:** standard **Wheel:** KMC Hex - black

**Notes:** \_\_\_\_\_

## Rear Tires

**Tire:** JC Subcultures **Compound:** green

**Insert:** standard **Wheel:** KMC Hex - black

**Notes:** \_\_\_\_\_

## Race and Vehicle Comments

**Qualify:** \_\_\_\_\_ **Main:** \_\_\_\_\_ **Finish:** \_\_\_\_\_ **TQ:** \_\_\_\_\_

**Comments:** \_\_\_\_\_

## Track Info

**Smooth:** ☐ **Bumpy:** ☐ **Blue Groove:** ☐


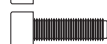










**Traction:** ☐ **High:** ☐ **Medium:** ☐ **Low:** ☐

**Soft Dirt:** ☐ **Grass:** ☐ **Clay:** ☐ **Wet:** ☐



**Dusty:** ☐ **Other:** \_\_\_\_\_

# :: Hardware - 1:1


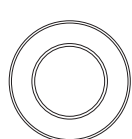
## socket head (shcs)

	4-40 x 1/4 (6285)
	4-40 x 3/8 (6924)
	4-40 x 1/2 (6925)
	4-40 x 5/8 (6926)
	4-40 x 3/4 (6927)
	4-40 x 7/8 (7738)
	4-40 x 1 (6928)
	4-40 x 1 1/4 (6913)
	4-40 x 1 3/4 (9833)
	5-40 x 7/16 (9643)
	5-40 x 9/16 (9644)
	5-40 x 3/4 (9835)





## setscrews

	4-40 x 1/2 (9170)
	5-40 x 1/8 (3862)

## ball bearings

	3/16 x 3/8 (3977)
	10 x 16mm (9832)







## flat head (fhcs)

	2.5x6mm (4675)
	4-40 x 3/8 (6292)
	4-40 x 1/2 (6922)
	4-40 x 5/8 (6915)
	5-40 x 1/2 (9269)

## shims & washers

	ballstud washer (9630)
	.03 nylon washer (4187)
	gold washer (7337)
	3/16 axle shim (7368)
	#4 aluminum washer (6936)
	5 x 9.5mm shim (9830)
	gear diff outdrives
	servo saver shim (9610)
	servo saver hardware (lower)
	servo saver shim (9610)
	servo saver hardware (upper)
	5 x 14mm shim (9829)
	diff rebuild







## button head (bhcs)

	2-56 x 1/8 (9645)
	2-56 x 5/16 (4334)
	4-40 x 5/16 (6919)
	4-40 x 3/8 (6917)
	4-40 x 7/16 (2221)
	3x6mm (31531)

## ballstuds

	black .200" (3981)
	black .300" (3983)
	silver .200" (6276)
	silver .300" (6277)

## nuts (lock/plain)

	4-40 small plain nut (7260)
	3/16 aluminum locking nut (4449)
	shock mount nut (6472)
	4-40 nut (6295)
	5-40 lock nut (6629)
	8-32 aluminum lock nut (9834)

## Servo Chart

### 1 FIND YOUR SERVO TYPE



### 1 STEERING SERVO TYPE

(Steering servo is sold separately)  
NOT ALL SERVOS ARE LISTED



### 2 #7336 SPACER



### 3 #9180 SERVO ARM



#### Associated Electronics / XP

AE SHV1504MG, AE SHV 1903 MG, DS1015, DS1313

#### Airtronics

94102

#### Airtronics

94738, 94157, 94158, 94257, 94258, 94357, 94358, 94452, 94453, 94751, 94755

#### Hitec

HS-5625MG, HS-5645MG, HS-625MG, HS-645MG

#### Hitec

HS-303, HS-300BB, HS-945MG, HS-925MG, HS-5945MG, HS-5925MG, HS-525MG, HS-525BB, HS-425BB, HS-422

#### JR

Z4725, Z4750, Z2750, Z8450, Z8550, NES-4750

#### JR

Z250, Z550

#### Futaba

S9204, S9250, S9450, S148

#### Futaba

S3003, S9202, S9101

#### Futaba

S9404

#### KO

PS-401, PS-2001, PS-2004, PS-2015, PS-2173, PS-2174, PS-2123, PS-2143, PS-2144

thin spacer

no spacer

thick spacer

no spacer

thin spacer

no spacer

thin spacer

no spacer

thin spacer

thick spacer

thin spacer

F

A

A

H

H

J

J

F

F

F

J

### 2 FIND YOUR SPACER(S)

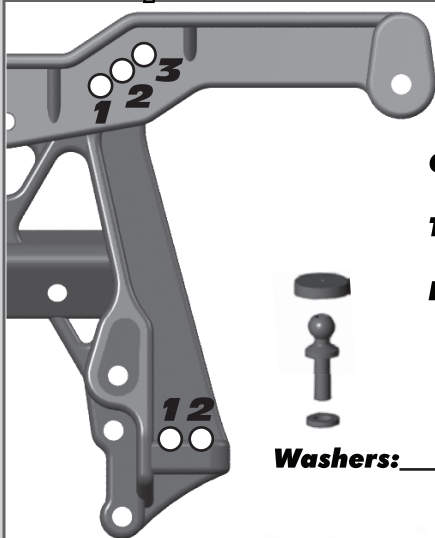


### 3 SELECT YOUR SERVO HORN





### Front Suspension



Camber: \_\_\_\_\_

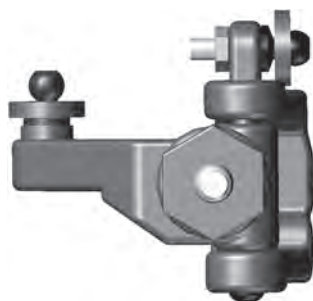
Toe: \_\_\_\_\_

Ride Height: \_\_\_\_\_



Washers: \_\_\_\_\_

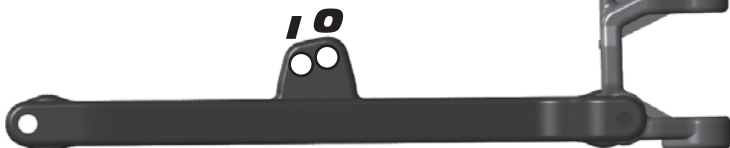
Bump Steer  
Spacers: \_\_\_\_\_



Caster:

20° ☐  
25° ☐  
30° ☐

ABC



### Rear Suspension



Camber: \_\_\_\_\_

Ride Height: \_\_\_\_\_

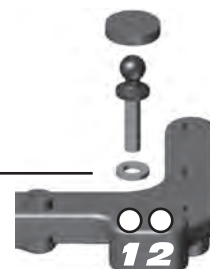
Anti-Squat: \_\_\_\_\_

Toe: \_\_\_\_\_

Anti Roll Bar:

None ☐  
Black (soft) ☐  
Silver (med) ☐  
Gold (hard) ☐

Washers: \_\_\_\_\_



Rear Hub  
Carriers:

Std 0° ☐  
0.5° ☐  
1° ☐  
1.5° ☐

Drivetrain:

Dog Bones ☐  
CVD ☐  
CVA ☐

Wheelbase:

Long ☐  
Medium ☐  
Short ☐

Rear Hub  
Tower: \_\_\_\_\_

ABC



### Front Shocks

Spring: \_\_\_\_\_ Piston: \_\_\_\_\_  
Shock Fluid: \_\_\_\_\_ Limiter: \_\_\_\_\_  
Rebound: \_\_\_\_\_ Bladder ☐ Emulsion ☐

### Rear Shocks

Spring: \_\_\_\_\_ Piston: \_\_\_\_\_  
Shock Fluid: \_\_\_\_\_ Limiter: \_\_\_\_\_  
Rebound: \_\_\_\_\_ Bladder ☐ Emulsion ☐

### Electronics

Motor & Wind: \_\_\_\_\_  
Pinion: \_\_\_\_\_  
Spur Gear: \_\_\_\_\_  
Batteries: \_\_\_\_\_  
Battery Placement: Front ☐ Middle ☐ Back ☐  
Other ☐

Radio: \_\_\_\_\_  
Throttle / Brake e.p.a: \_\_\_\_\_  
Throttle / Brake expo: \_\_\_\_\_  
Servo: \_\_\_\_\_ Steering Expo: \_\_\_\_\_  
ESC: \_\_\_\_\_  
ESC Profile: \_\_\_\_\_ --- --- ---

### Differentials

Gear Diff: ☐  
Ball Diff: ☐

### Other

Body Type: \_\_\_\_\_  
Body Notes: \_\_\_\_\_

### Front Tires

Tire: \_\_\_\_\_ Compound: \_\_\_\_\_  
Insert: \_\_\_\_\_ Wheel: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Rear Tires

Tire: \_\_\_\_\_ Compound: \_\_\_\_\_  
Insert: \_\_\_\_\_ Wheel: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Race and Vehicle Comments

Qualify: \_\_\_\_\_ Main: \_\_\_\_\_ Finish: \_\_\_\_\_ TQ: \_\_\_\_\_  
Comments: \_\_\_\_\_

### Track Info

Smooth: ☐ Bumpy: ☐ Blue Groove: ☐  
Traction: ☐ High: ☐ Medium: ☐ Low: ☐  
Soft Dirt: ☐ Grass: ☐ Clay: ☐ Wet: ☐  
Dusty: ☐ Other: \_\_\_\_\_



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**26021 Commercentre Dr.**  
**Lake Forest, CA 92630 USA**  
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