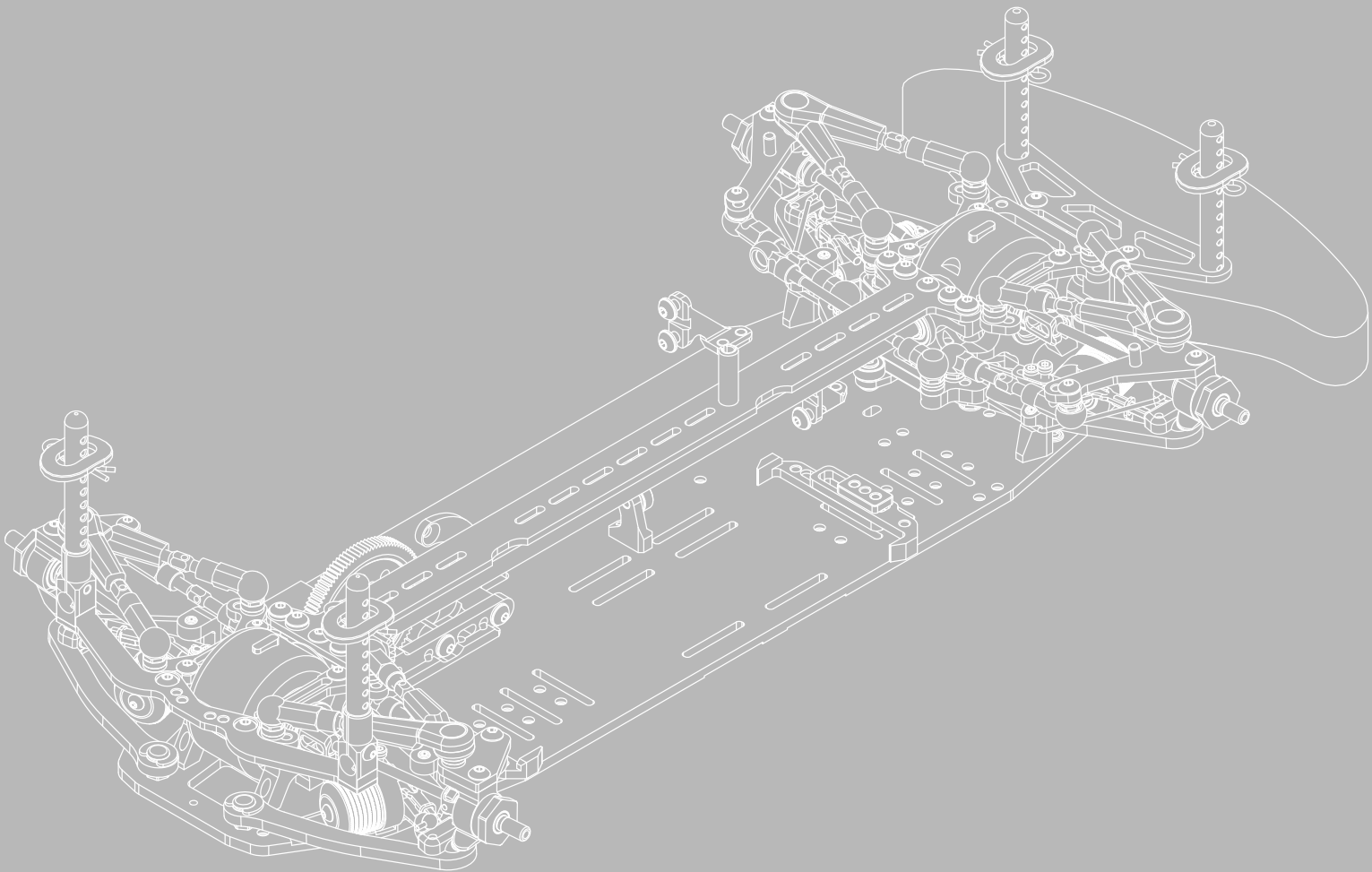


# **A700** 1/10-SCALE TOURING CAR



## **INSTRUCTION MANUAL**

## INTRODUCTION

Congratulations on purchasing your A700 car!

The A700 car was designed in Russia and produced by Awesomatix Innovations LLP registered in UK. The A700 car utilise many unique features, including some patented innovations.

## BEFORE YOU START

The A700 is a high-quality, innovative 1/10-scale touring car and should be built only by persons with previous experience building R/C model racing cars. This is not a toy and is not intended for use by children without direct supervision of a responsible, knowledgeable adult. Read the instruction manual carefully and fully understand it before beginning assembly. If you have any problems or questions please do not hesitate to contact the Awesomatix team at [support@awesomatix.com](mailto:support@awesomatix.com). If, for any reason, you decide that you do not want your A700, you must not begin assembly. Your A700 cannot be returned to Awesomatix Innovations LLP for a refund or exchange if it has been fully or partially assembled.

This kit is a radio controlled model racing product and could cause harm and personal injury. The A700 car is designed for use on r/c car race tracks. It should not be used in general public areas. Awesomatix Innovations LLP accept no responsibility for any injuries caused by making or using this kit.

Due to policy of continuous product development the exact specifications of the kit may vary. Awesomatix Innovations LLP do reserve all rights to change any specifications without prior notice. All rights reserved.

## ASSEMBLY NOTES

Before starting each build-stage check that you have the right quantity and size of items for the build-stage. To assist you with the assembly of your A700 car we have included full-size images of all the small hardware parts laid out so that you can place items on top of the images to check they are the correct size/length.

## GENERAL PRECAUTIONS

- Many of the items in this kit are small enough to be accidentally swallowed and are therefore potential choking hazards, making them potentially fatal. Please ensure that when assembling the kit you do so out of the reach of small/young children.
- Take care when building, as some parts may have sharp edges.
- Please read this manual carefully to understand which ancillary items (tools, electrics, electronics etc) are used with this kit. Awesomatix Innovations LLP accept no responsibility for the operation of any such ancillary items.
- Exercise care when using tools and sharp instruments.
- Follow the operating instructions for the radio equipment at all times.
- Never touch rotating parts of the car as this may cause injury.
- Keep the wheels of the model off the ground when checking the operation of the radio equipment.
- To prevent any serious personal injury and/or damage to property, be responsible when operating all remote controlled models.
- The model car is not intended for use on roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
- Do not run your car in poor light or if it goes out of sight. Any impairment to your vision may result in damage to your car or, worse, injury to others or their property.
- As a radio controlled device, your car is subject to radio interference from things beyond your control. Any such interference may cause a loss of control of your car so please consider this possibility at all times.
- When not using RC model, always disconnect and remove battery.
- Insulate any exposed electrical wiring to prevent dangerous short circuits. Take maximum care in wiring, connecting and insulating cables. Make sure cables are always connected securely. Check connectors for if they become loose and if so reconnect them securely. Never use R/C models with damaged wires. A damaged wire is extremely dangerous and can cause short-circuits resulting in fire.

## EQUIPMENT RECOMMENDED (NOT INCLUDED)

- Radio Transmitter
- Radio Receiver
- Electronic Speed Control
- Steering Servo
- Electric Motor
- Pinion Gear (64 or 48 Pitch)
- Spur Gear (64 or 48 Pitch)
- 7.4 V Li-Po Battery or 4-6 Cell Sub-C NiMH Battery Pack
- Battery Strapping Tape
- 190mm Body Shell
- M4mm Wheel Nuts
- Touring Car Wheels, Tires, Inserts

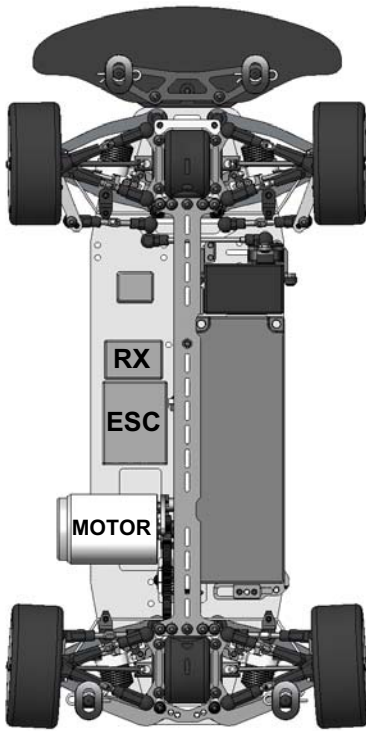
## TOOLS RECOMMENDED (NOT INCLUDED)

- 1.5mm, 2.0mm Hex Driver
- 2.0mm Ball End Hex Driver
- 5.5mm, 7mm, 9mm, 10mm, 12mm Wrench
- 2.5mm Flat Screwdriver
- Callipers
- Hobby Knife
- Camber Gauge
- Ride Height Gauge
- Thin CA Glue
- Thread Lock
- Diff Silicone Oil
- Thrust Grease, Diff Grease, Joint Grease

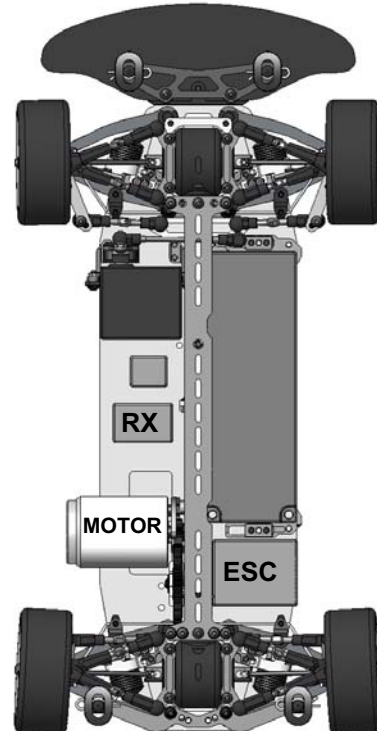
## LET'S START

Four main configurations of the A700 car layout are possible.  
Some building steps have different variants depending on a desirable configuration.

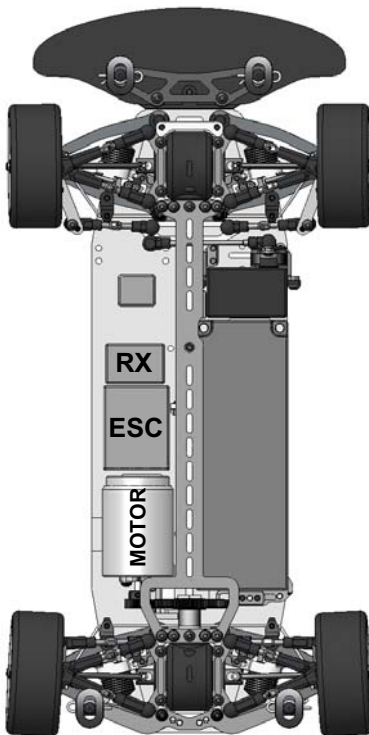
- I.** Motor layout - transverse  
Servo location - right side



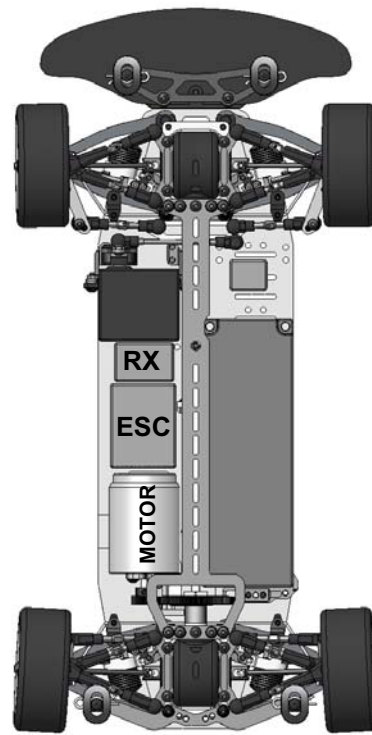
- II.** Motor layout - transverse  
Servo location - left side



- III.** Motor layout - longitudinal  
Servo location - right side



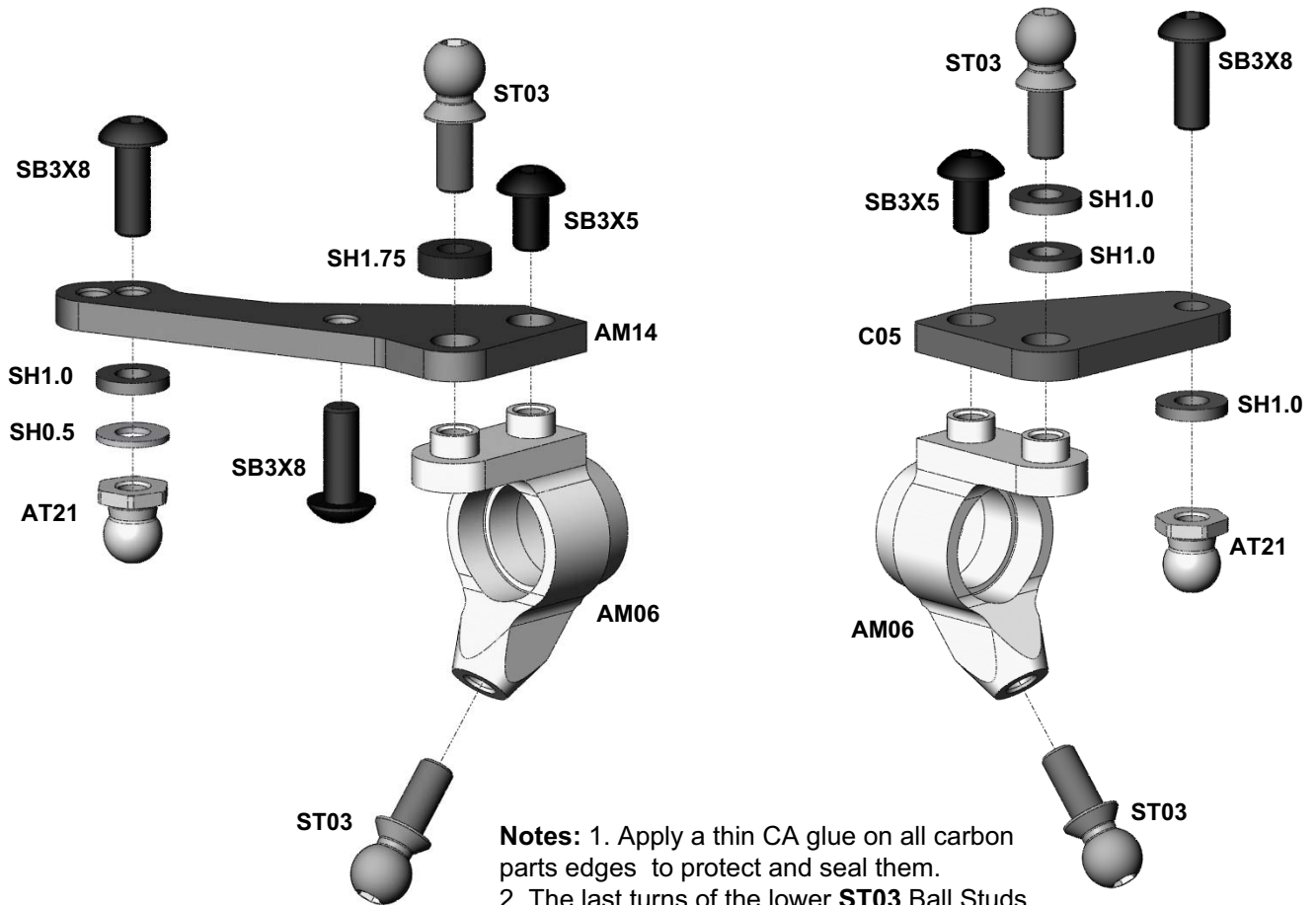
- IV.** Motor layout - longitudinal  
Servo location - left side



Longitudinal motor layout is good for 8.5T - 17.5T motors due to minimal transmission power loss and lower drive train ratio of **2.08**. Drive train ratio at transverse motor layout is **2.55**.

Right-side servo location is recommended for low-profile servos only and provides beneficial weight distribution. Left-side servo location is possible for both standard and low-profile servos and provides wider weight balance range.

# STEP 1

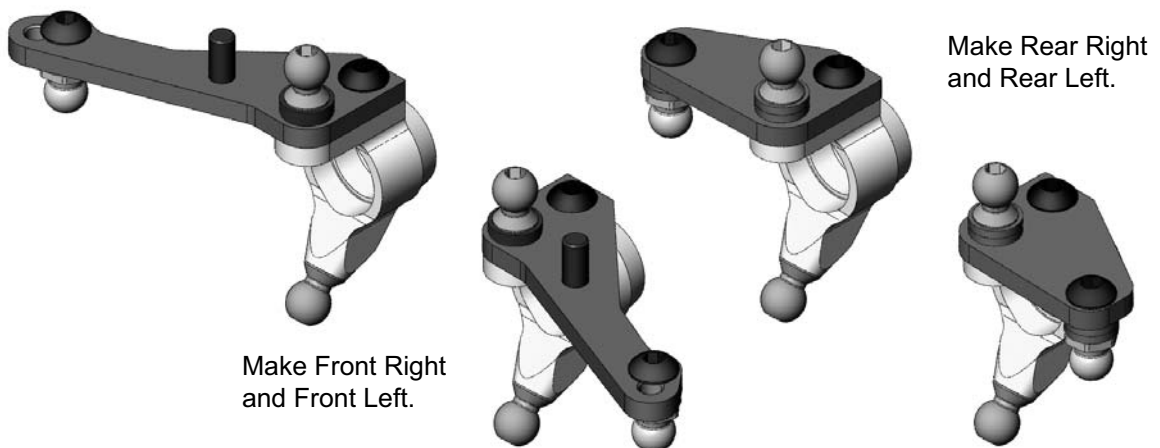


**Notes:** 1. Apply a thin CA glue on all carbon parts edges to protect and seal them.  
2. The last turns of the lower **ST03** Ball Studs are tight. Screw them with force.

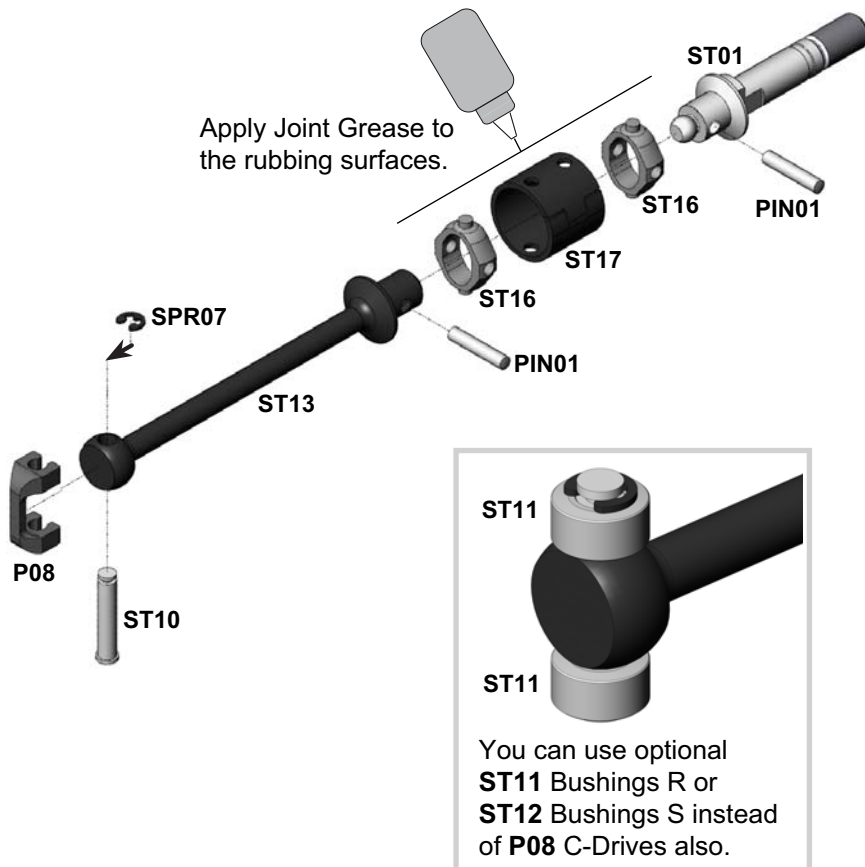
		<b>SB3X5</b> M3x5 Button Head Screw	x4		<b>ST03</b> Ball Stud	x8
		<b>SB3X8</b> M3x8 Button Head Screw	x6		<b>AM06</b> Steering Block	x4
		<b>SH0.5</b> 6x3x0.5mm Spacer (Silver)	x2		<b>AM14</b> Steering Arm	x2
		<b>SH1.0</b> 6x3x1mm Spacer (Gray)	x8		<b>C05</b> Rear Steering Arm	x2
		<b>SH1.75</b> 6x3x1.75mm Spacer (Black)	x2		<b>AT21</b> Pivot Ball	x4

## STEP 1 FINISHED

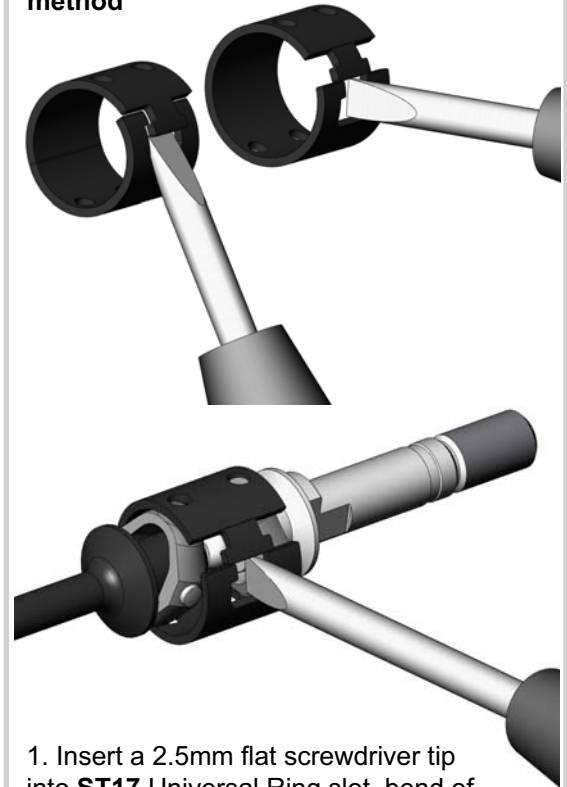
**Notes:** Use other combinations of **SH0.5**, **SH1.0** and **SH1.75** Spacers under appropriate Pivot Balls and Ball Studs to adjust your car set-up to better suit different track conditions.



## STEP 2



### Assembling/disassembling method



1. Insert a 2.5mm flat screwdriver tip into **ST17** Universal Ring slot, bend of the lug and turn screwdriver through 90 deg.
2. Take out/insert **ST16** U-Joint Cross from/into unclamped **ST17** Universal Ring.

	<b>PIN01</b> 1.5x7.8 Pin	x4	<b>ST01</b> Front Axle	x2
	<b>ST10</b> 2.0mm Pin	x2	<b>ST16</b> U-Joint Cross	x4
	<b>SPR07</b> E-Ring	x2	<b>ST17</b> Universal Ring	x2
	<b>ST11</b> Bushing R (optional)	x4	<b>ST13</b> Front Universal Bone	x2
	<b>ST12</b> Bushing S (optional)	x4	<b>P08</b> C-Drive	x2

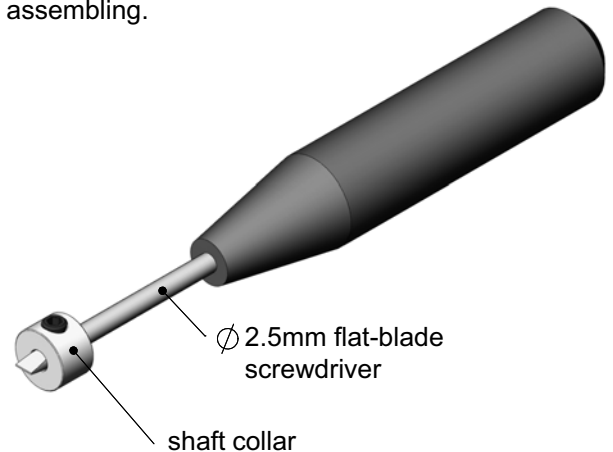
## STEP 2 FINISHED

Make 2 Front Universals.

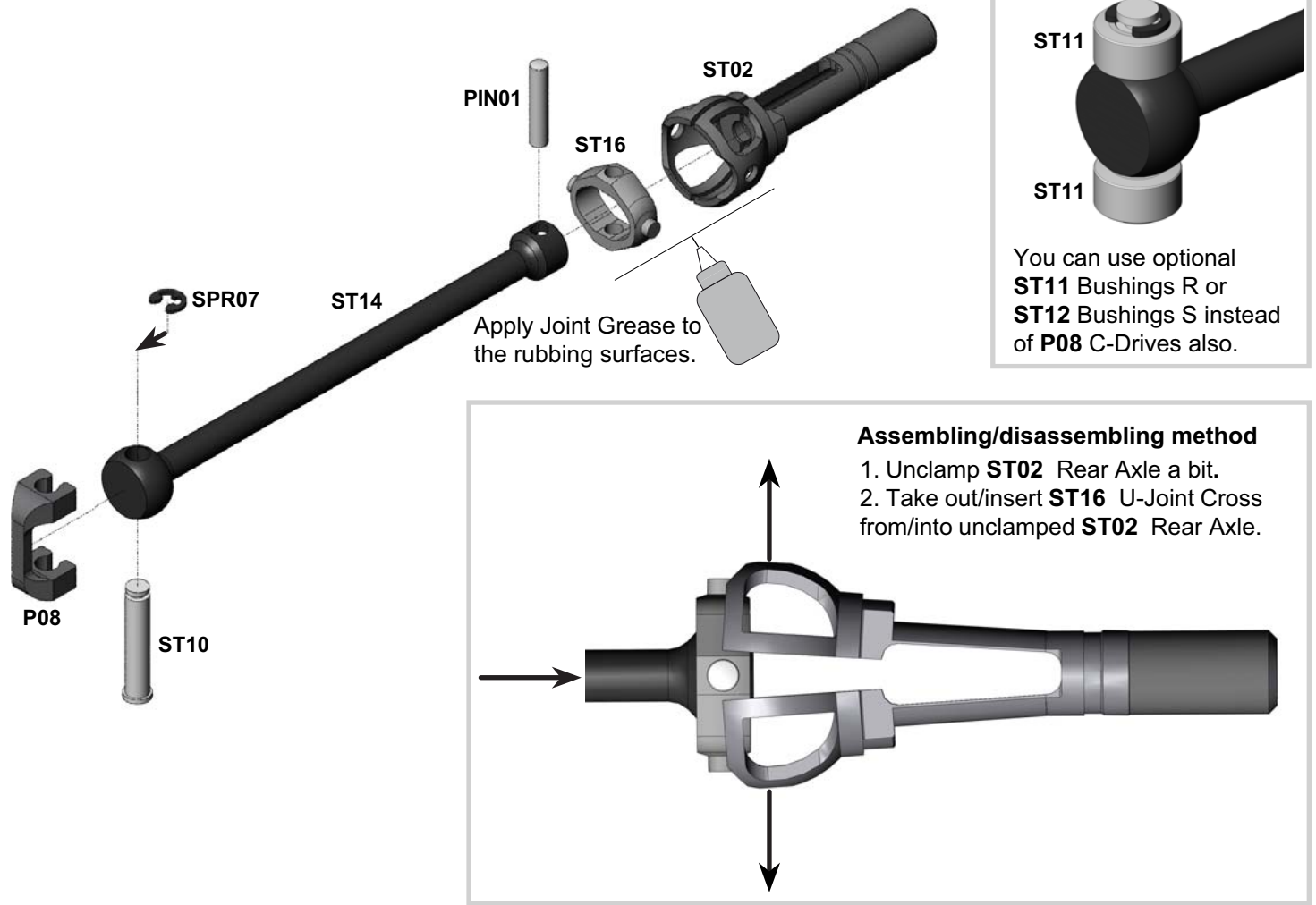


### Tip:

Fix a appropriate shaft collar on 1-2mm distance from the screwdriver end. It will help at the Front Universals assembling.



### STEP 3



	<b>PIN01</b> 1.5x7.8 Pin	x2	<b>ST02</b> Rear Axle	x2
	<b>ST10</b> 2.0mm Pin	x2	<b>ST16</b> U-Joint Cross	x2
	<b>SPR07</b> E-Ring	x2	<b>ST14</b> Rear Universal Bone	x2
	<b>ST11</b> Bushing R (optional)	x4	<b>P08</b> C-Drive	x2
	or <b>ST12</b> Bushing S (optional)	x4		

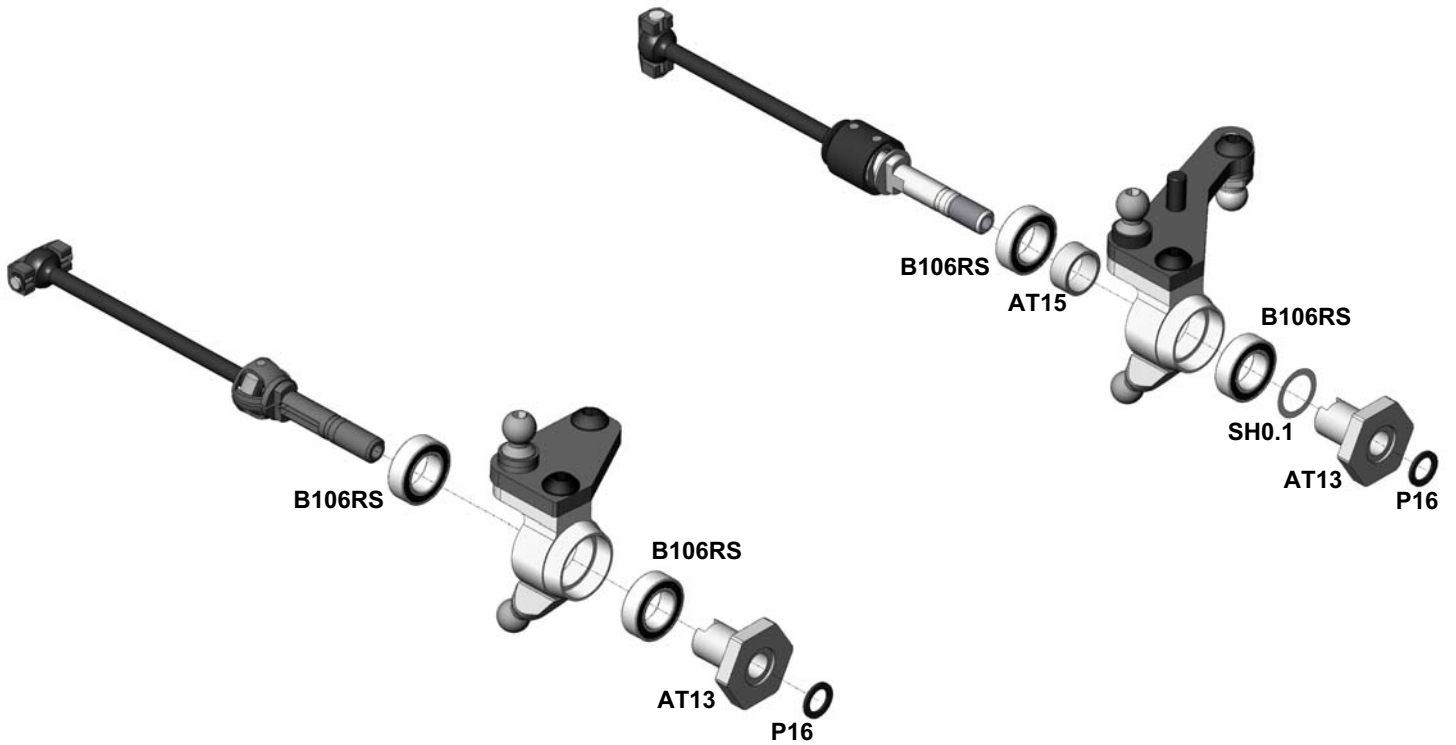
### STEP 3 FINISHED

Make 2 Rear Universals.



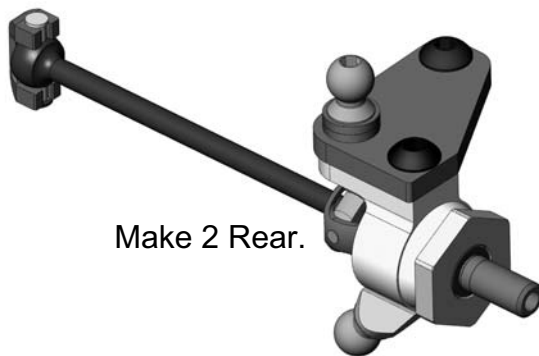
**Tip:**  
Use a 2.5mm flat screwdriver to unclamp **ST13** Rear Axle.

### STEP 4

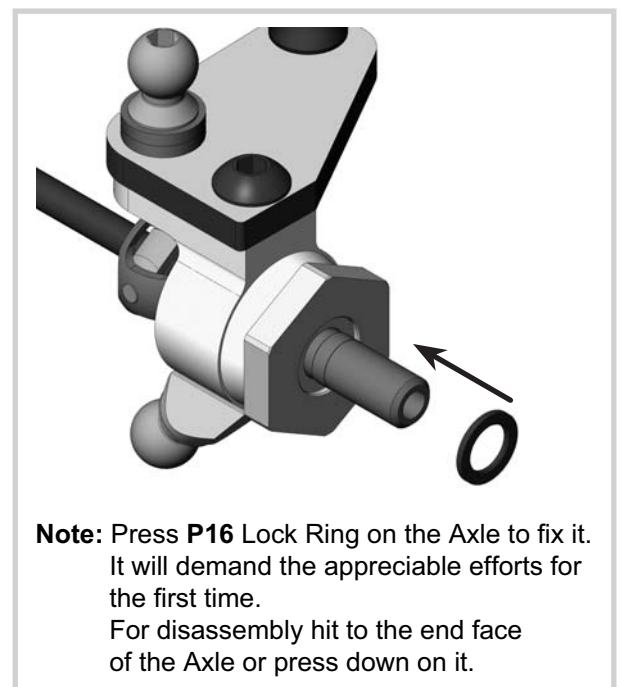
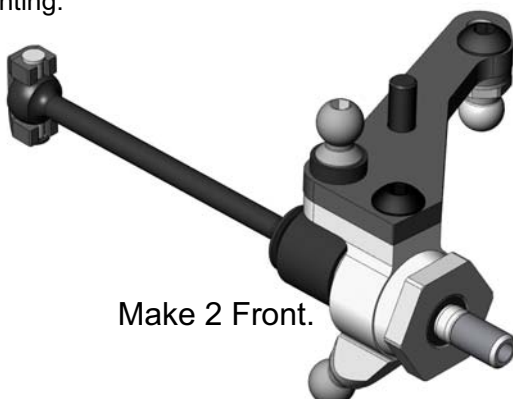


	<b>B106RS</b> MR106RS Bearing	x8		<b>AT15</b> Bearing Spacer	x2
	<b>SH0.1</b> 6x8x0.1mm Shim	x2		<b>AT13</b> Wheel Hex	x4
	<b>P16</b> Lock Ring	x4			

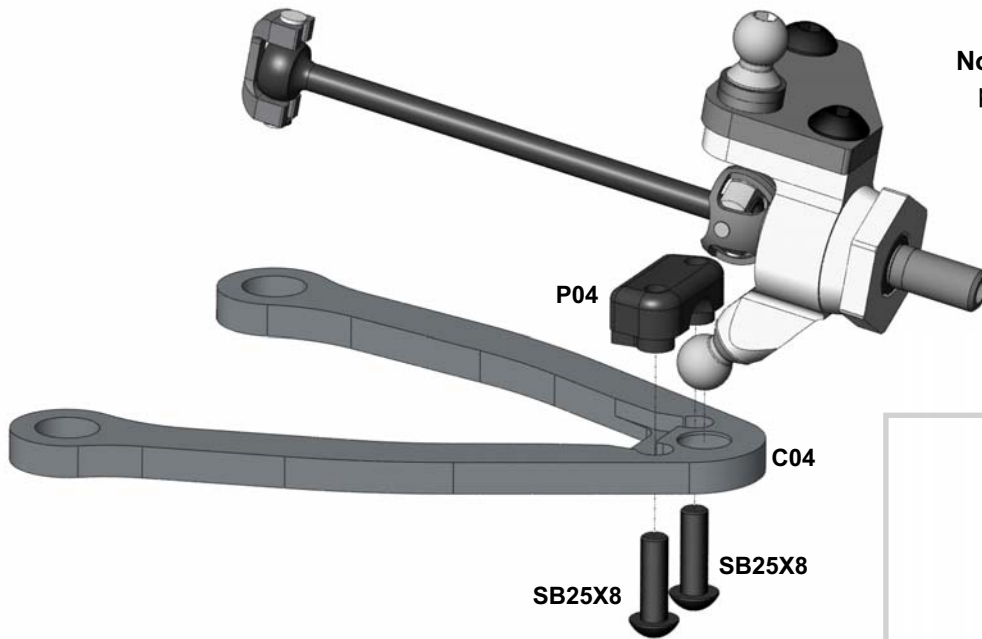
### STEP 4 FINISHED



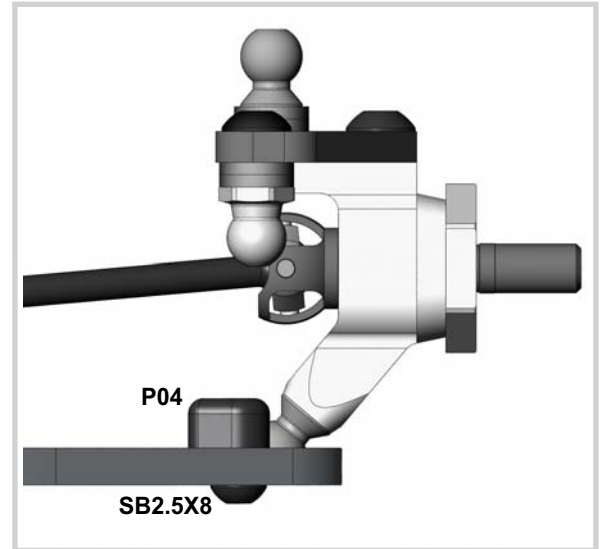
**Note:**  
Rear Universals may be a bit tight at this stage.  
But do not worry.  
Rear Universals take its true position only after the wheels mounting.




**STEP 5**



**Note:** Apply thin CA glue on all carbon parts edges to protect and seal them.



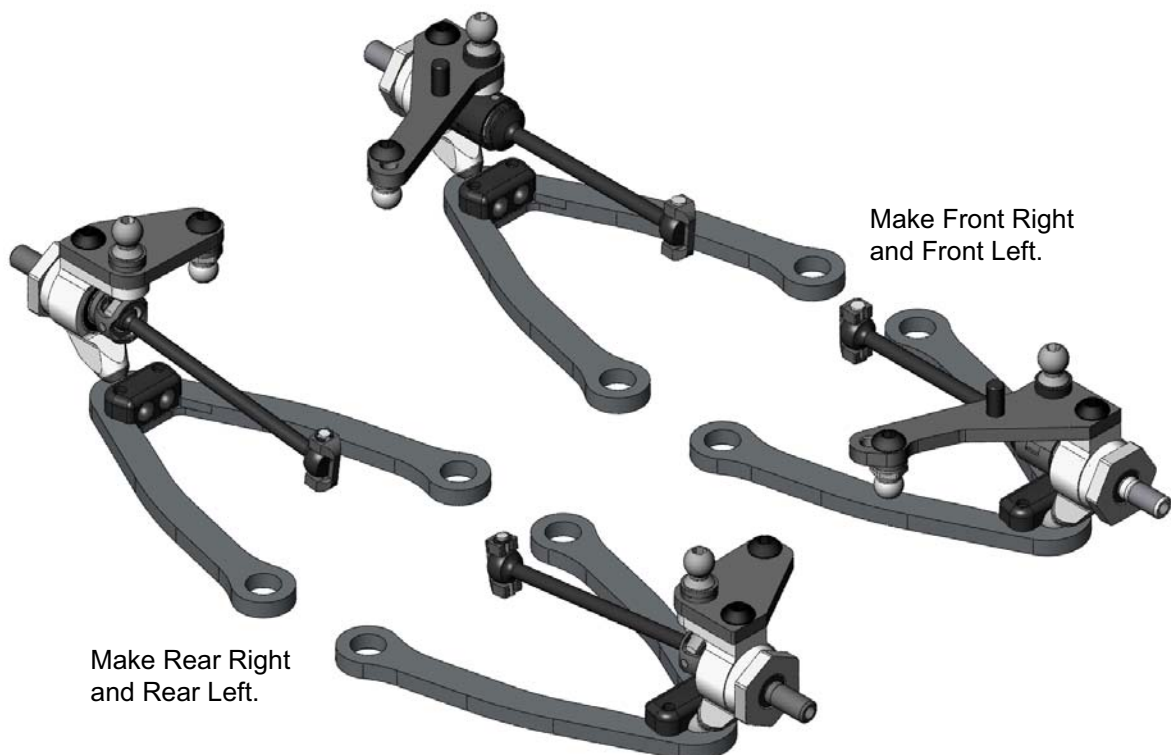
**Note:** Don't overtighten **SB25X8** Screws to avoid **ST03** Ball Stud binding. Achieve the free action of the ball joint with a minimal backlash.

 **SB25X8** M2.5x8 Button Head Screw x8

**C04** Suspension Arm x4

**P04** Arm Hasp x4

**STEP 5 FINISHED**

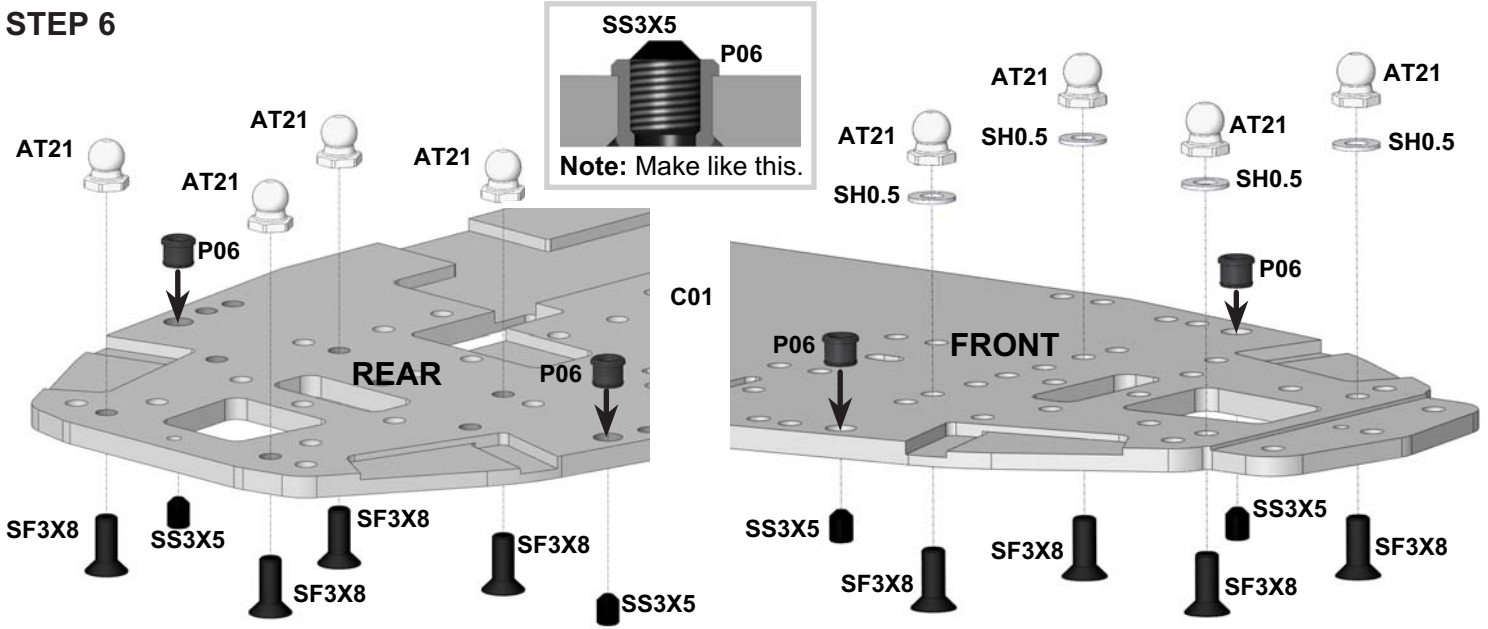


Make Front Right and Front Left.

Make Rear Right and Rear Left.

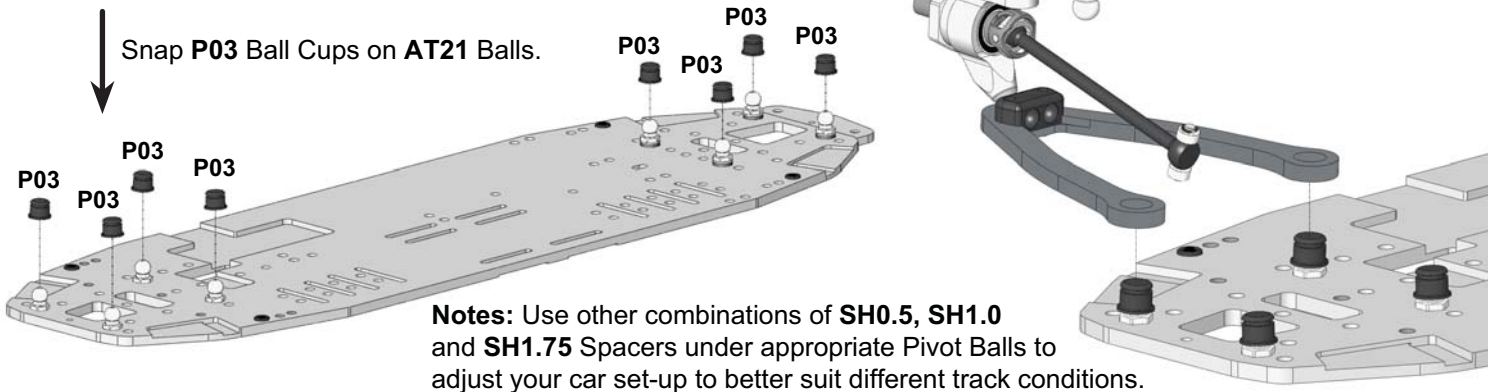


### STEP 6



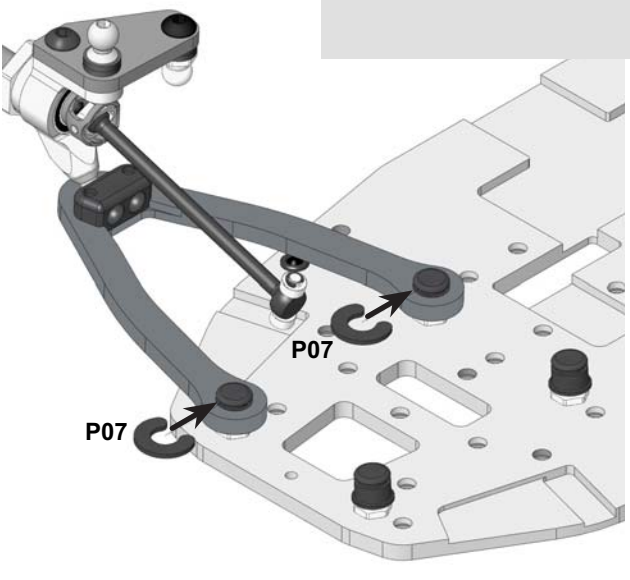
**Note:** Apply thin CA glue on all C01 Lower Deck edges to protect and seal them.  
Insert P06 Downstop Collars and use CA glue for fixing them before SS3x5 screwing.

### STEP 6 (cont'd)

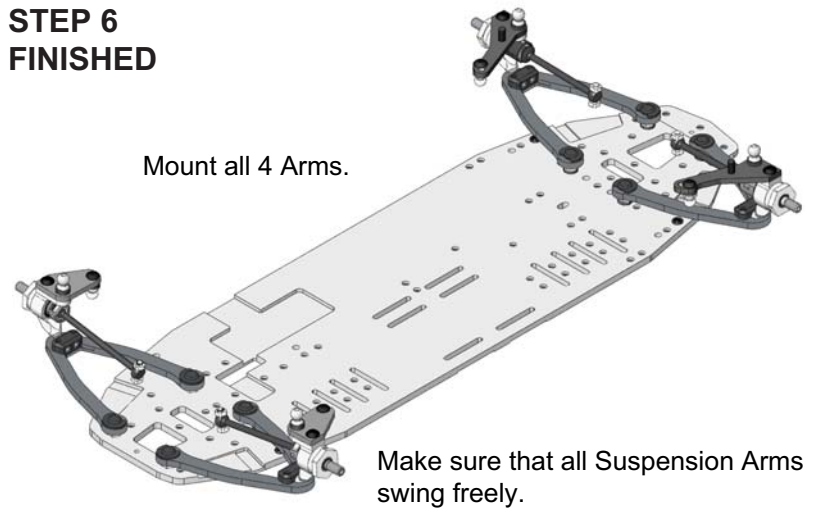


		SF3X8 M3x8 Flat Head Screw	x8		AT21 Pivot Ball	x8
		SS3X5 M3x5 Set Screw	x4		P06 Downstop Collar	x4
		SH0.5 6x3x0.5mm Spacer (Silver)	x4		P03 Arm Ball Cap	x8
					P07 Arm Clip	x8

### STEP 6 (cont'd)



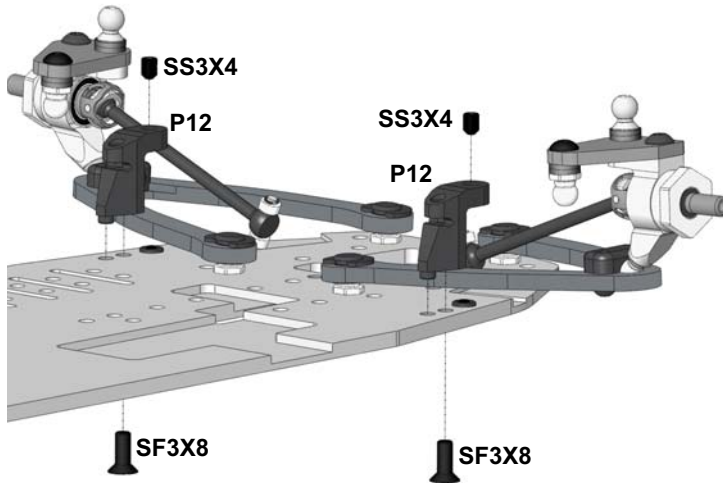
### STEP 6 FINISHED



Mount all 4 Arms.

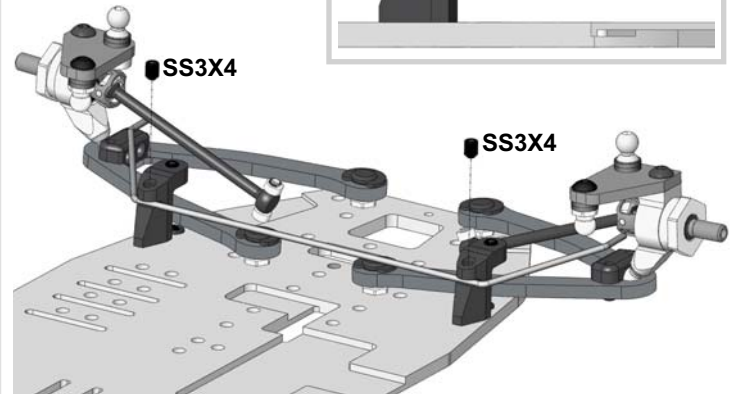
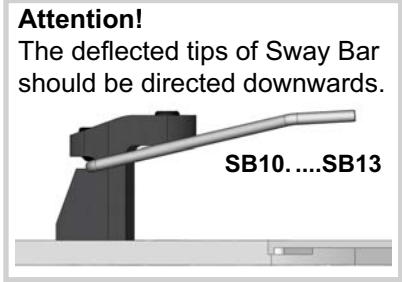
Make sure that all Suspension Arms swing freely.

### STEP 7

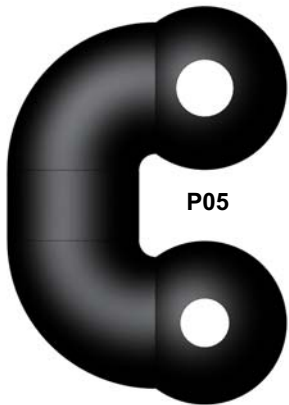


### STEP 8

Do not overtighten **SS3X4** Screws to allow Sway Bar to move a little.

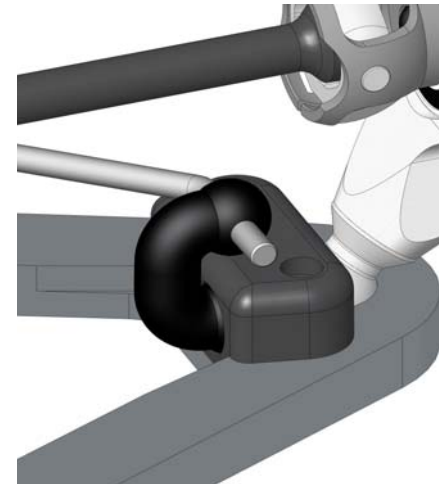
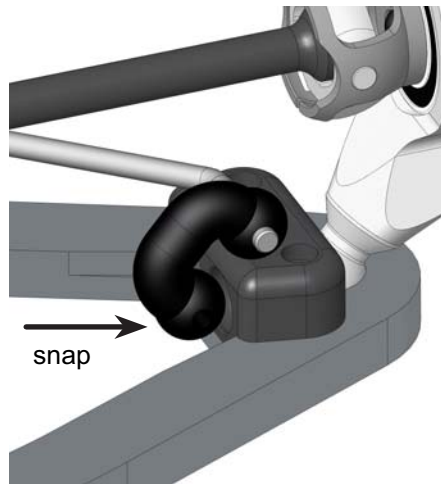


### STEP 8 (cont'd)



Use bigger hole for **SB12** and **SB13** Sway Bars.

Use smaller hole for **SB10** and **SB11** Sway Bars.



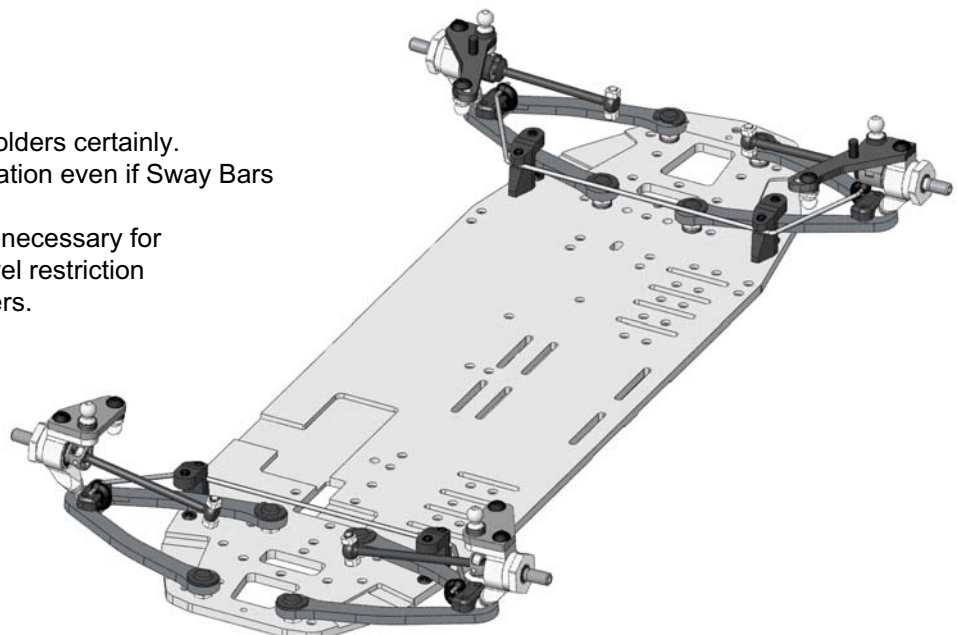
- SF3X8** M3x8 Flat Head Screw x4
- SS3X4** M3x4 Set Screw x8

- P12** Sway Bar Holder x4
- P05** Sway Bar Joint x4
- SWB10....SWB13** Sway Bar x2

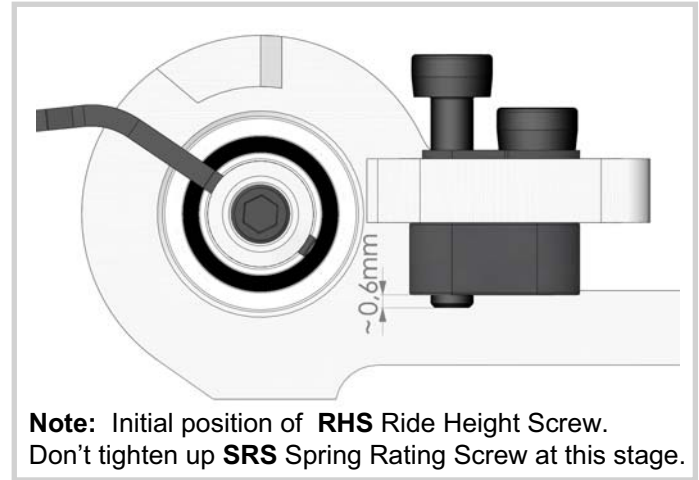
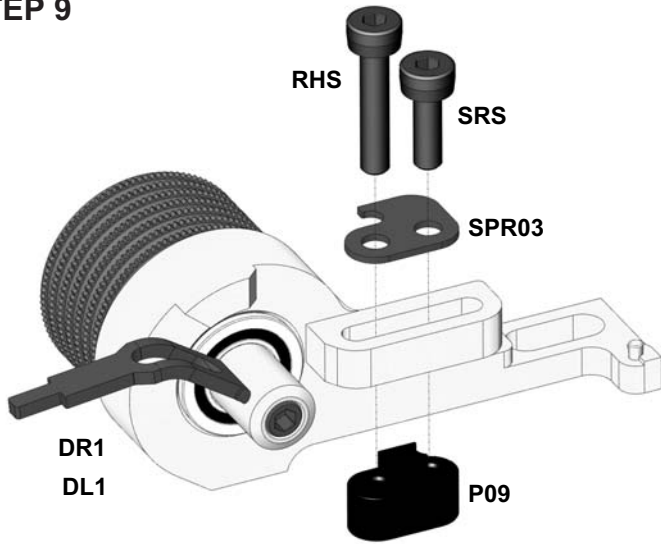
### STEPS 7 and 8 FINISHED

**Attention!**

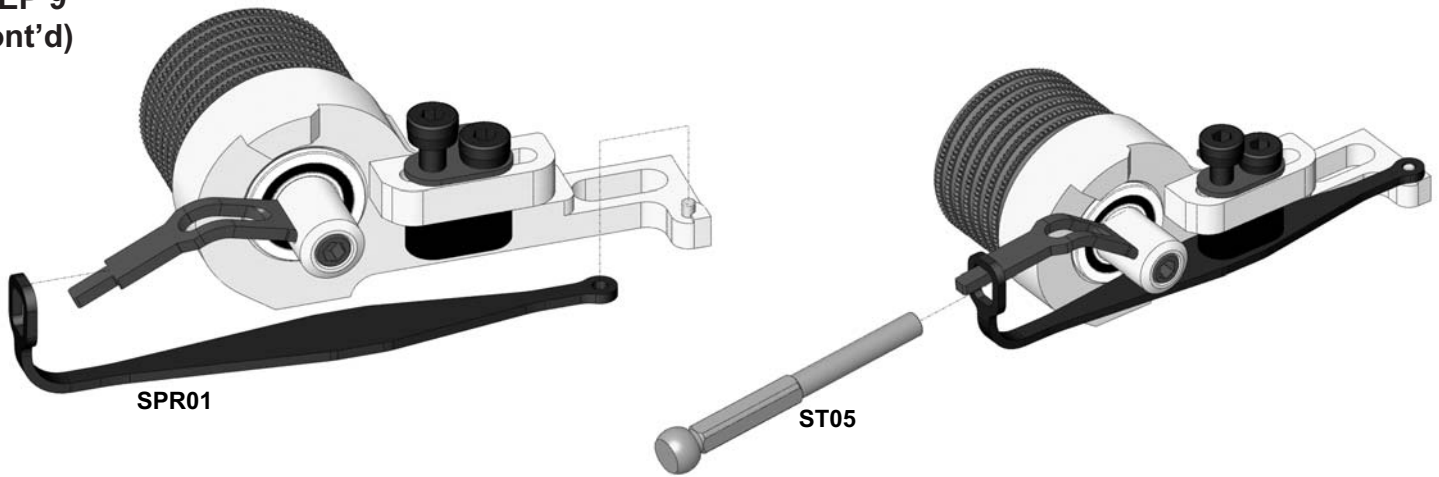
Mount all 4 **P12** Sway Bar Holders certainly. They are obligatory for installation even if Sway Bars aren't used. These Sway Bar Holders are necessary for suspension arms upward travel restriction and setting Upstop parameters.



### STEP 9



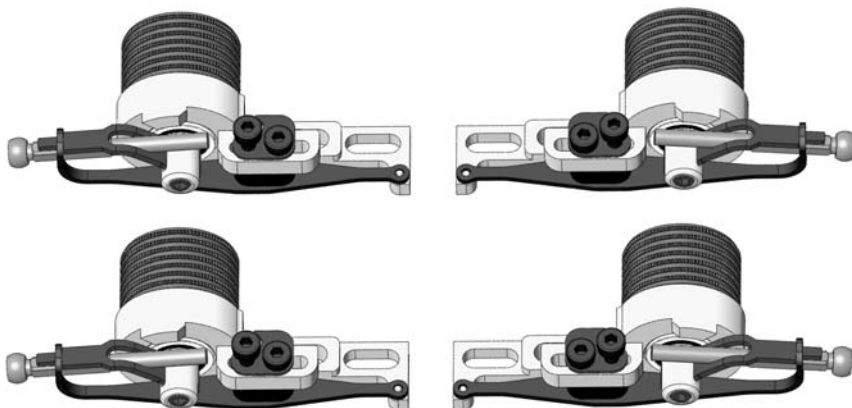
### STEP 9 (cont'd)



				<b>SRS</b> Spring Rating Screw x4	<b>DR1</b> STD Damper Right x2
				<b>RHS</b> Ride Height Screw x4	<b>DL1</b> STD Damper Left x2
				<b>SPR03</b> Shock Pointer x4	<b>SPR01</b> Shock Spring x4
				<b>P09</b> Shock Screw Holder x4	<b>ST05</b> Shock Rod x4

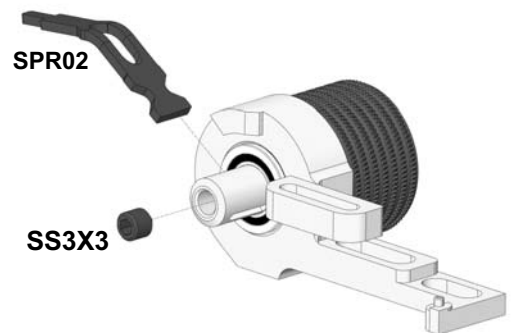
### STEPS 9 FINISHED

Assemble 2 Right Shocks and 2 Left Shocks.

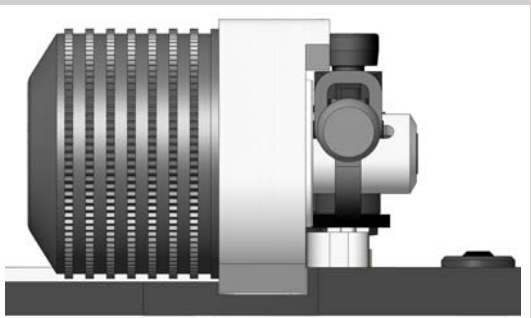
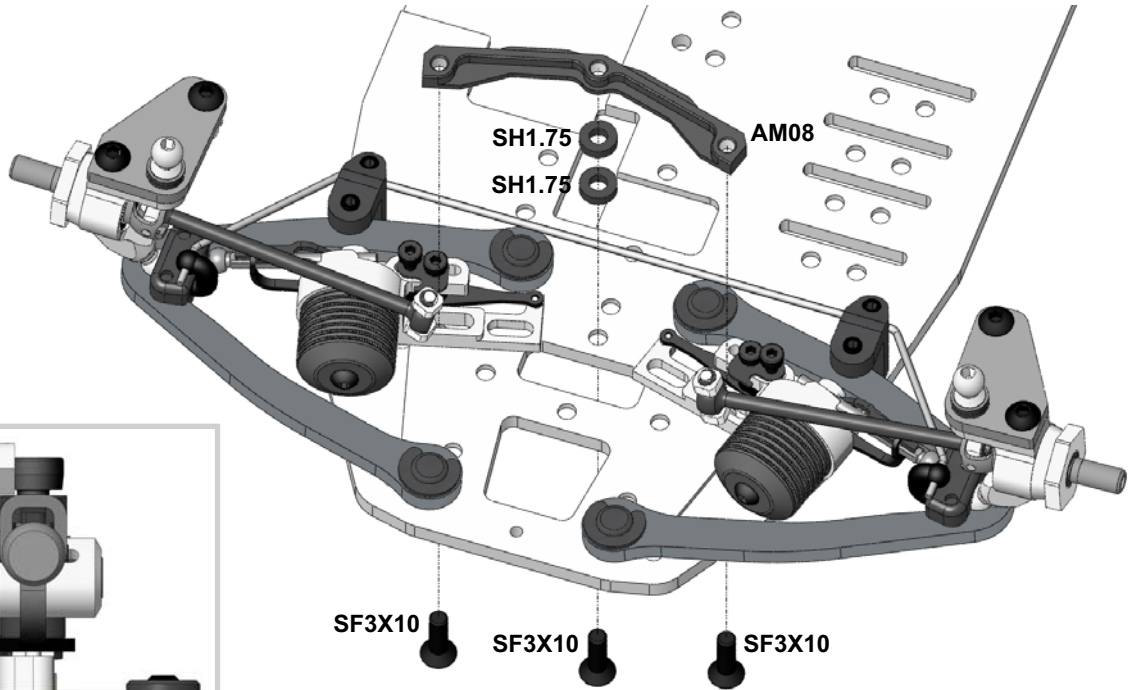


#### Attention!

Our Dampers are factory assembled and fluid filled already. Don't disassemble Damper's casing to avoid a loss of damping rate. But it is possible to replace **SPR02** Shock Rod Guide if it will be damaged.



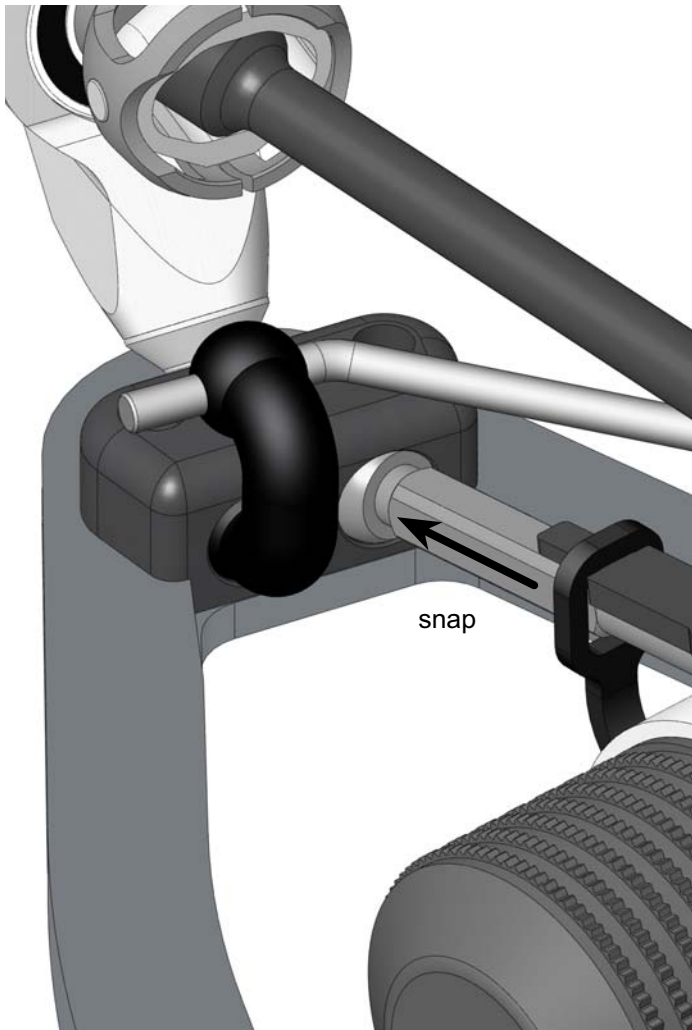
### STEP 10



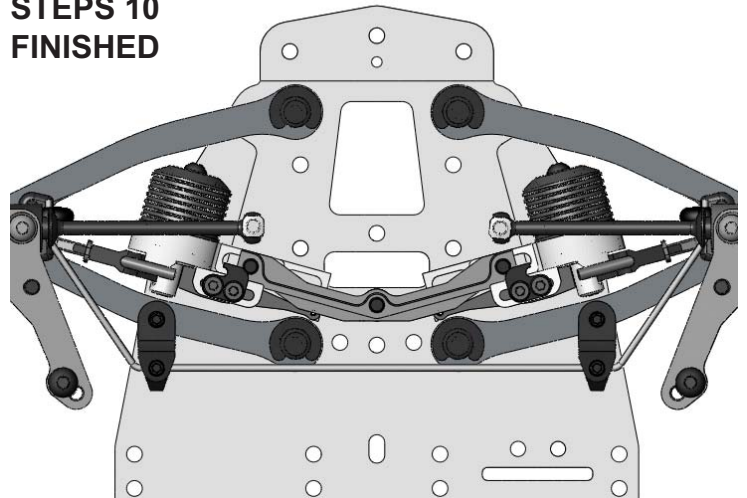
**Note:** Lay down Dampers into grooves on the Chassis.

- SF3X10** M3x10 Flat Head Screw x6
- SH1.75** 6x3x1.75mm Spacer (Black) x4
- AM08** Shocks Holder x2

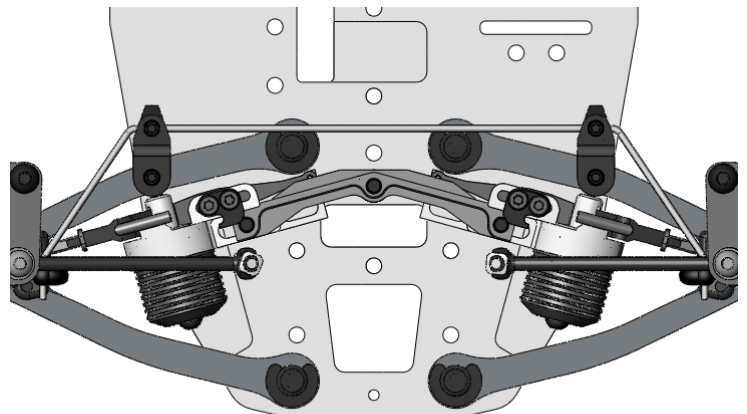
### STEP 10 (cont'd)



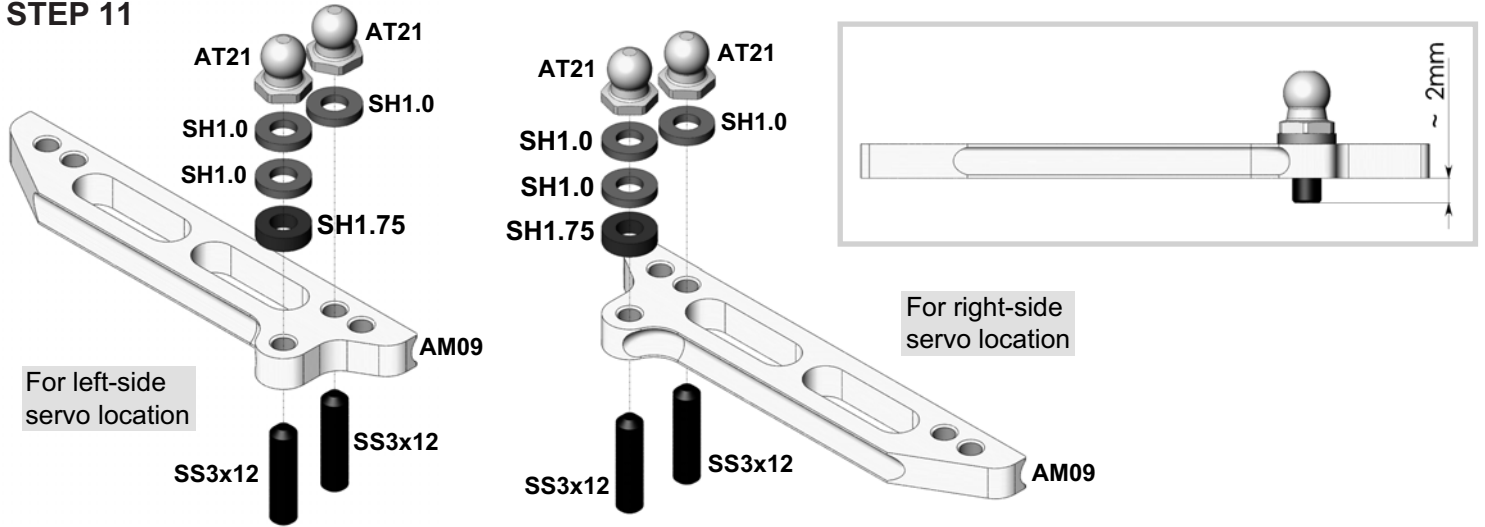
### STEPS 10 FINISHED



Mount Front and Rear Shocks.

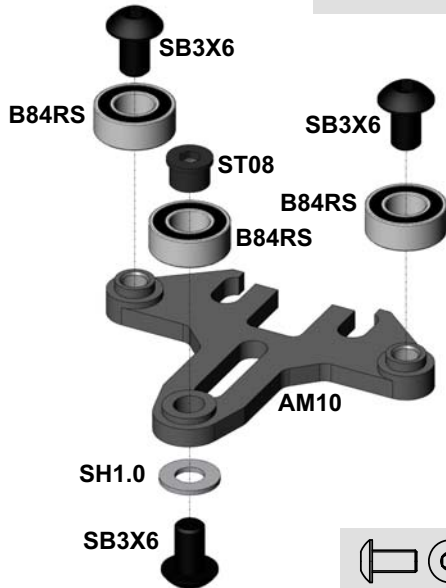


### STEP 11

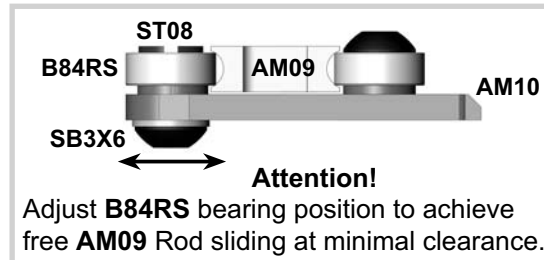


- |  |                                  |    |  |                     |    |
|--|----------------------------------|----|--|---------------------|----|
|  | SS3X12 M3x12 Set Screw           | x3 |  | AT21 Pivot Ball     | x3 |
|  | SH1.0 6x3x1.0mm Spacer (Gray)    | x5 |  | AM09 Steering Rod   | x1 |
|  | SH1.75 6x3x1.75mm Spacer (Black) | x1 |  | AM10 Steering Plate | x1 |

### STEP 12

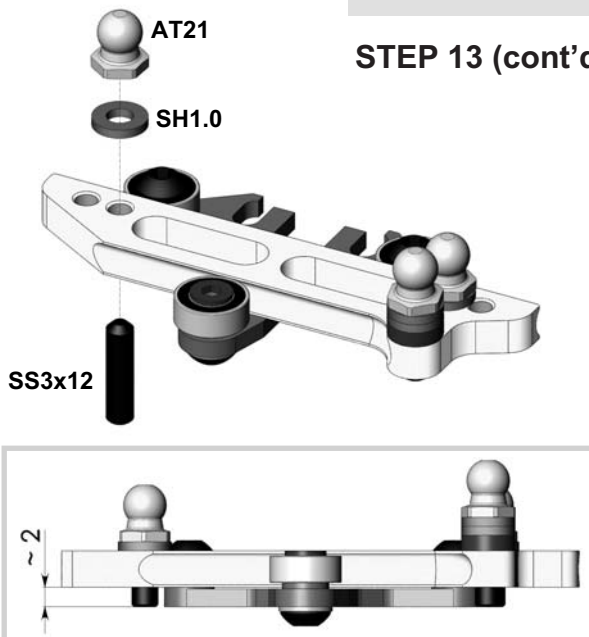


### STEP 13

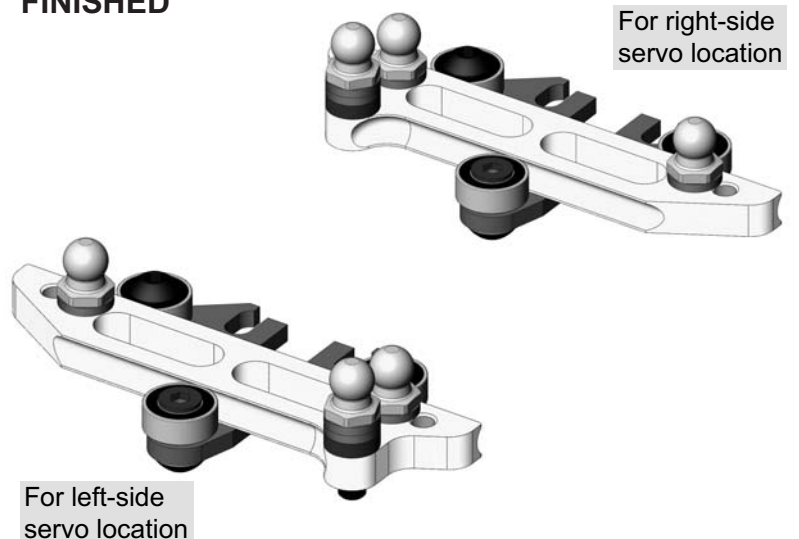


- |  |                              |    |  |                   |    |
|--|------------------------------|----|--|-------------------|----|
|  | SB3X6 M3x5 Button Head Screw | x3 |  | ST08 Steering Nut | x1 |
|  | B84RS MR84RS Bearing         | x3 |  |                   |    |

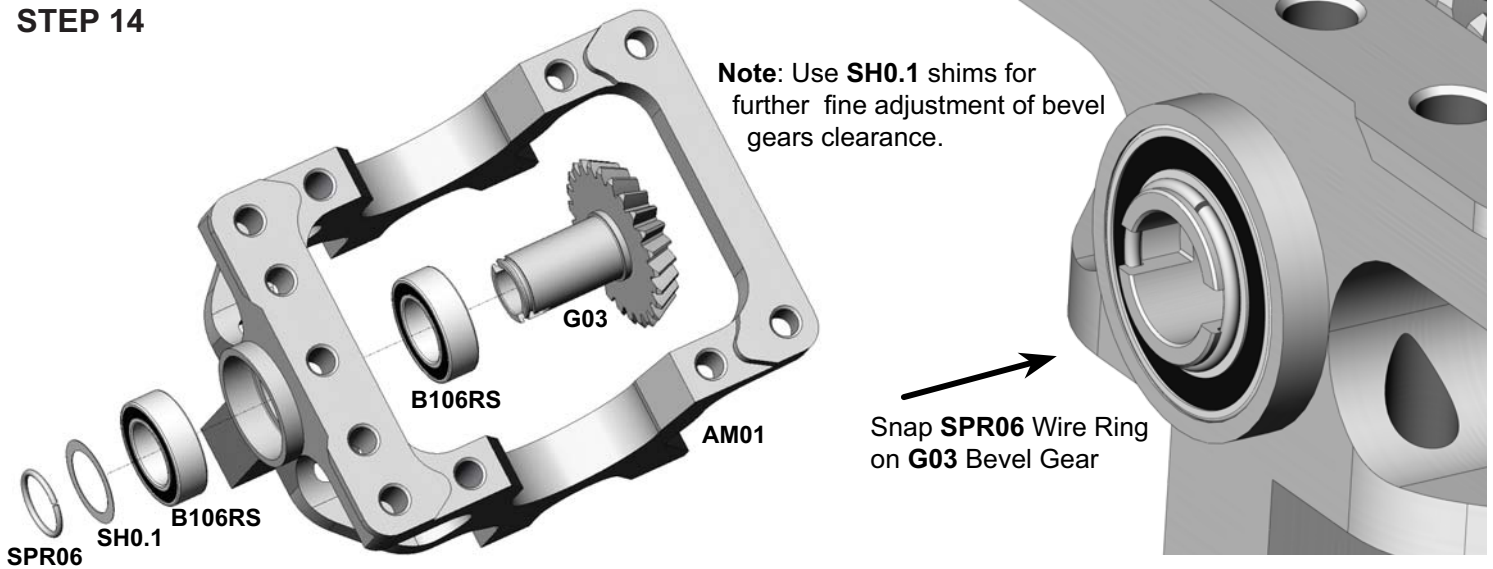
### STEP 13 (cont'd)



### STEP 13 FINISHED

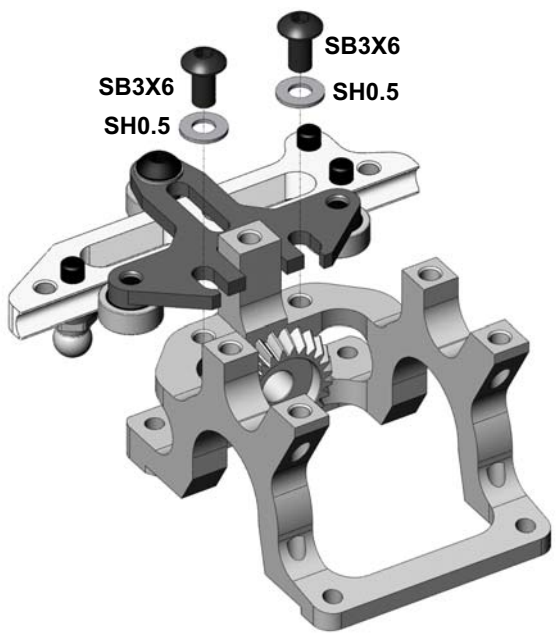


### STEP 14



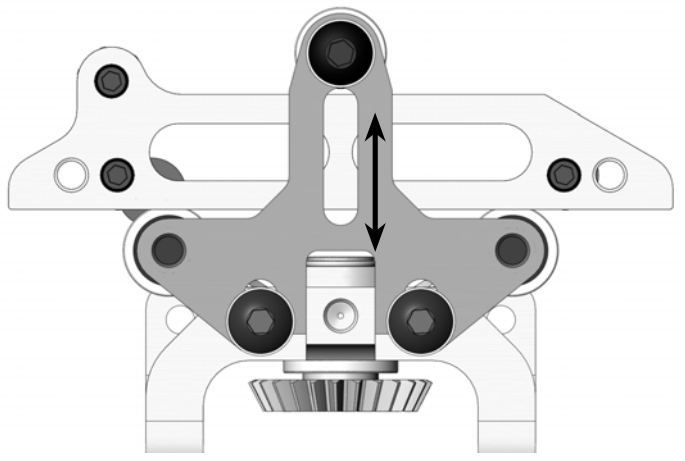
	<b>B106RS</b> MR106RS Bearing	x2	<b>AM01</b> Gear Box	x1
	<b>SH0.5</b> 6x3x0.5mm Spacer (Silver)	x2	<b>G03</b> 25T Bevel Gear	x1
	<b>SH0.1</b> 6x8x0.1mm Shim	x1	<b>SPR06</b> Wire Ring	x1
	<b>SB3X6</b> M3x6 Button Head Screw	x2		

### STEP 15

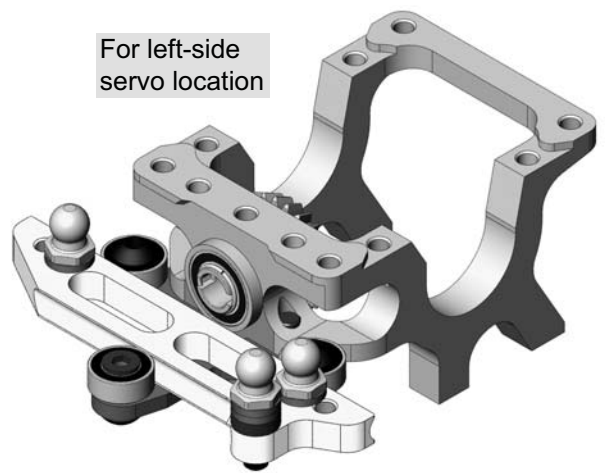
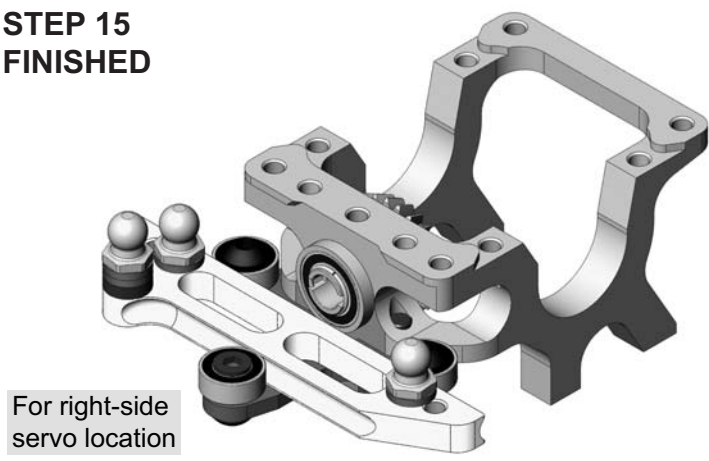


#### INNER ACKERMANN change:

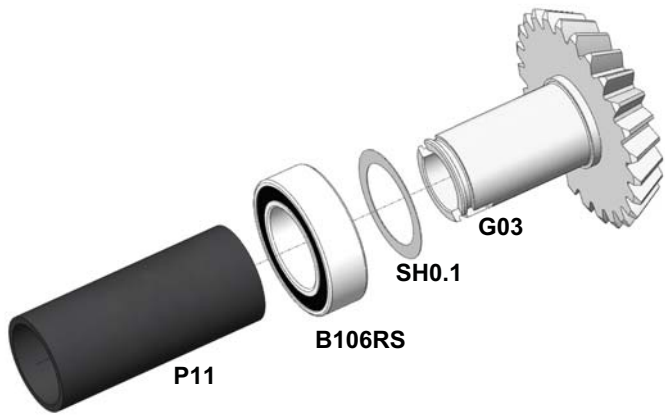
Slide **AM10** Steering Plate to desired position. Use **SB3X6** Screws to unlock/lock Steering Plate.



### STEP 15 FINISHED



### STEP 16



**Note:** Use **SH0.1** shims for further fine adjustment of bevel gears clearance.

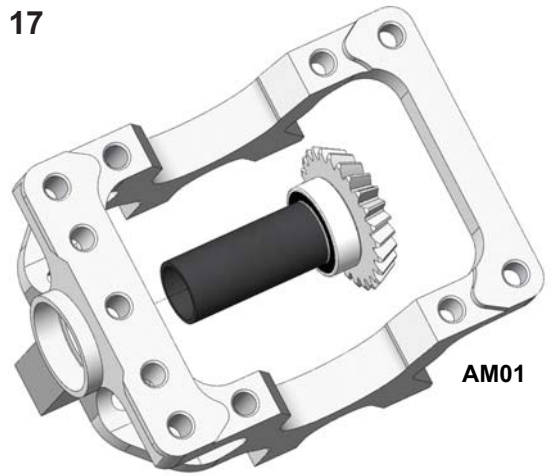


**B106RS** MR106RS Bearing x1



**SH0.1** 6x8x0.1mm Shim x1

### STEP 17

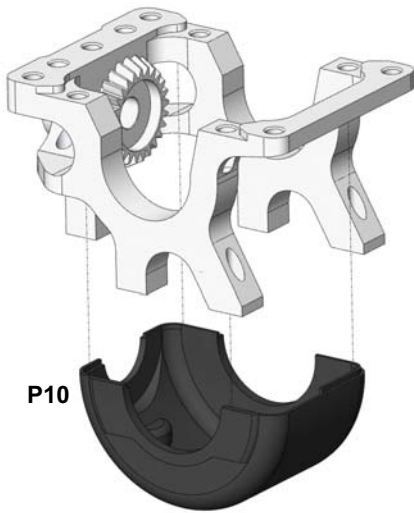


**AM01** Gear Box x1

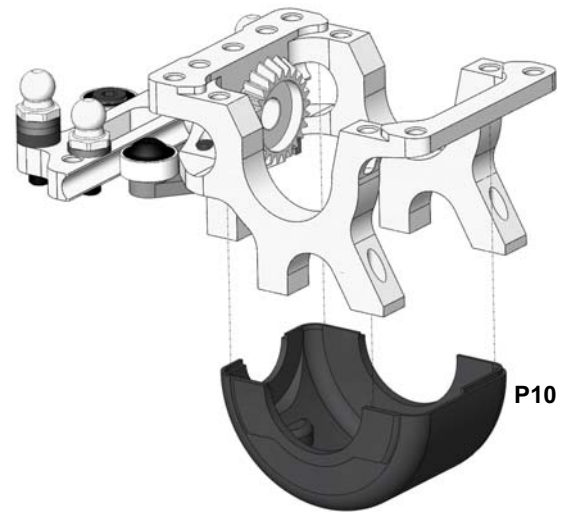
**G03** 25T Bevel Gear x1

**P11** Gear Tube x1

### STEP 18



**P10**



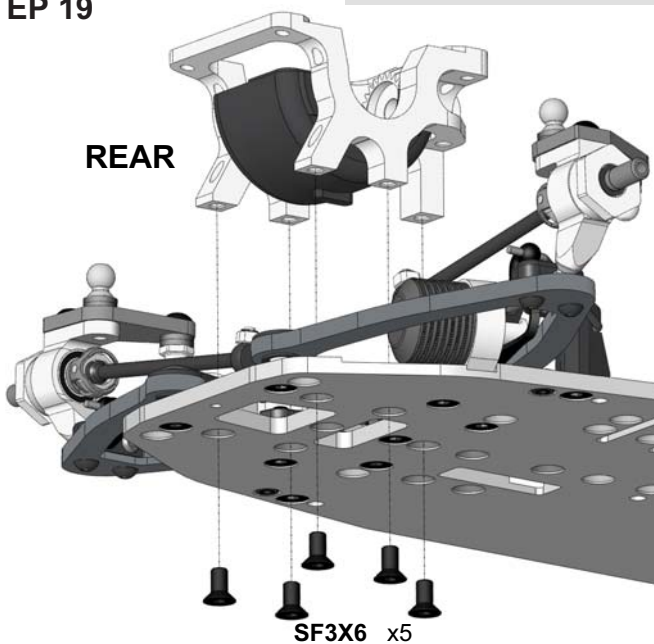
**P10**



**SF3X6** M3x6 Flat Head Screw x10

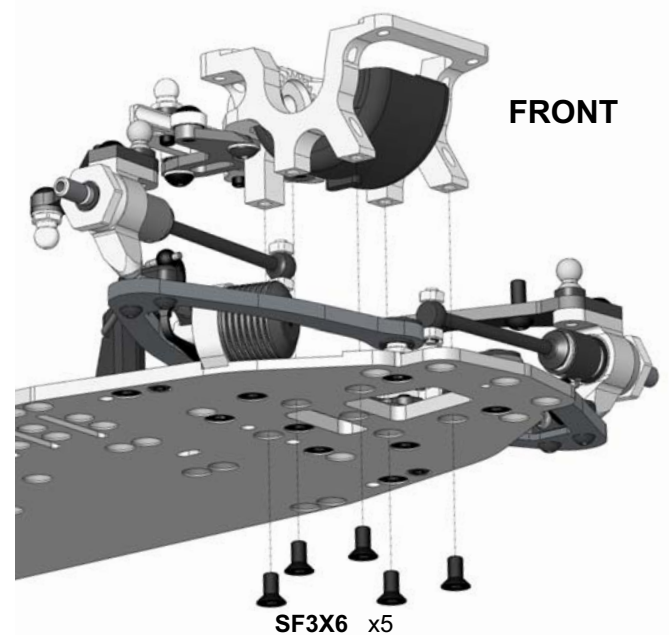
**P10** Diff Cover x2

### STEP 19



**REAR**

**SF3X6** x5

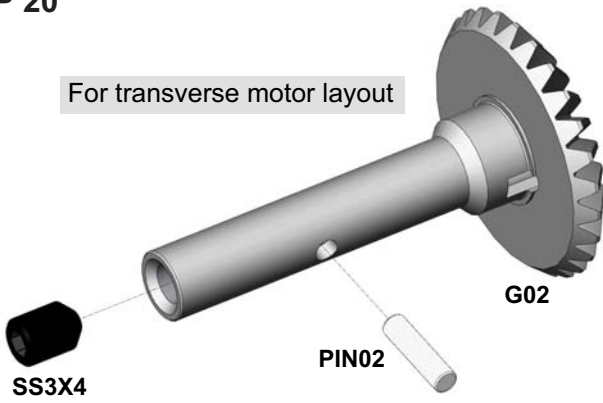


**FRONT**

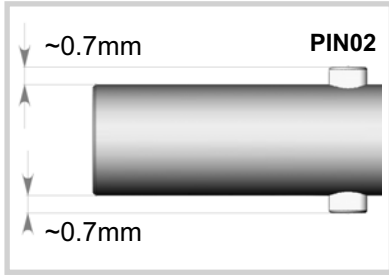
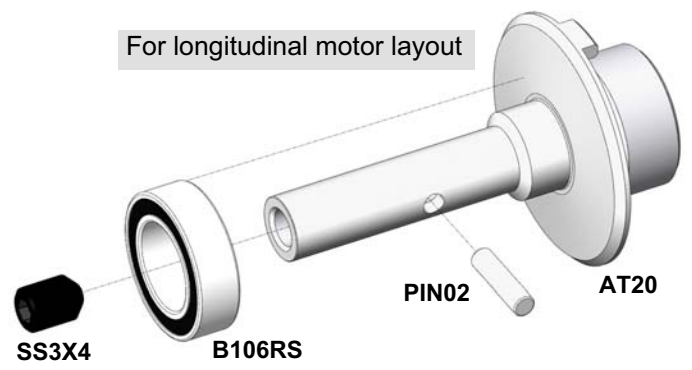
**SF3X6** x5

### STEP 20

For transverse motor layout



For longitudinal motor layout

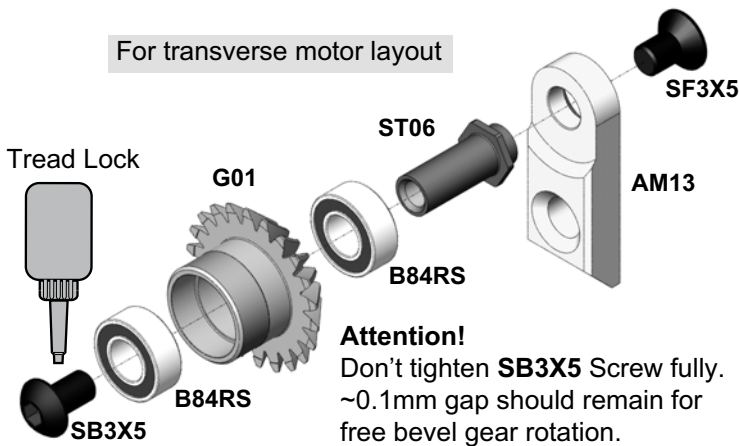


- |  |                                     |    |
|--|-------------------------------------|----|
|  | <b>B106RS</b> MR106RS Bearing       | x2 |
|  | <b>B84RS</b> MR84RS Bearing         | x2 |
|  | <b>SF3X5</b> M3x5 Flat Head Screw   | x1 |
|  | <b>SB3X5</b> M3x5 Button Head Screw | x1 |
|  | <b>SS3X4</b> M3x4 Set Screw         | x2 |
|  | <b>PIN02</b> 1.5x5.8 Pin            | x2 |

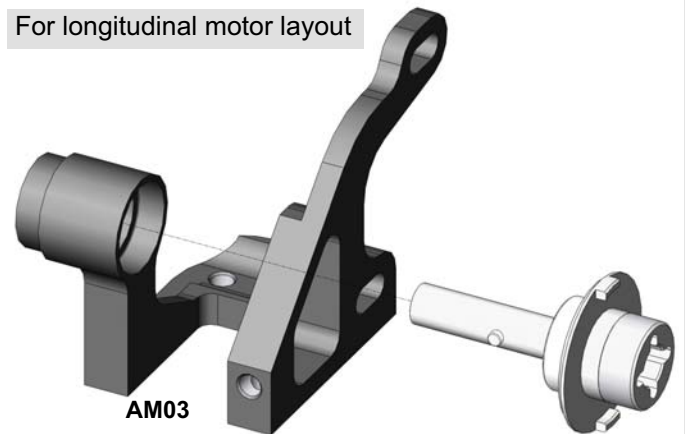
- |                           |    |
|---------------------------|----|
| <b>G02</b> 27T Bevel Gear | x1 |
| <b>AT20</b> Spur Axle     | x1 |
| <b>ST06</b> Gear Axle     | x1 |
| <b>G01</b> 22T Bevel Gear | x1 |
| <b>AM13</b> Spur Holder   | x1 |
| <b>AM03</b> Motor Mount L | x1 |
| <b>AM02</b> Rear Bar      | x1 |

### STEP 21

For transverse motor layout

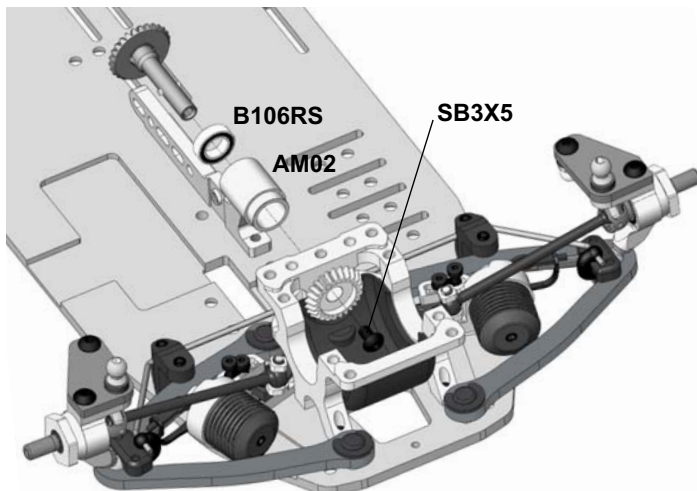


For longitudinal motor layout

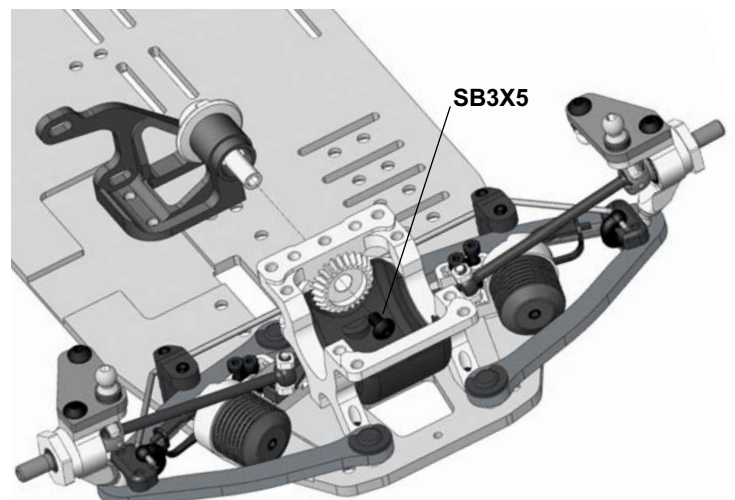


### STEP 22

For transverse motor layout



For longitudinal motor layout

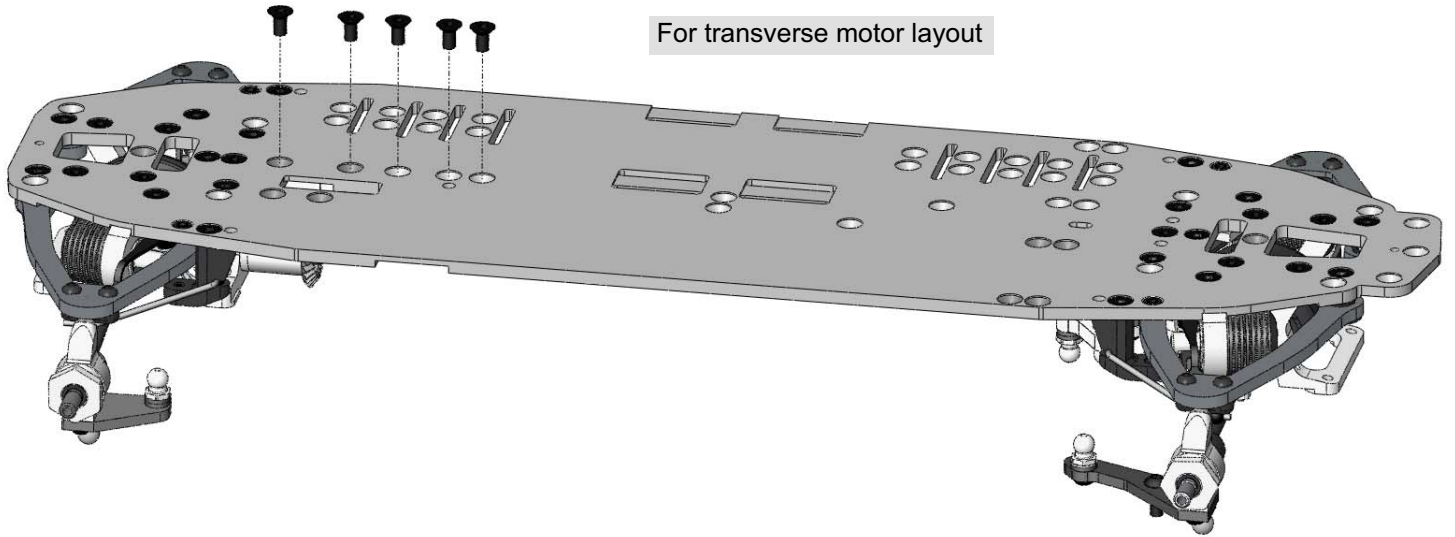




**STEP 23**

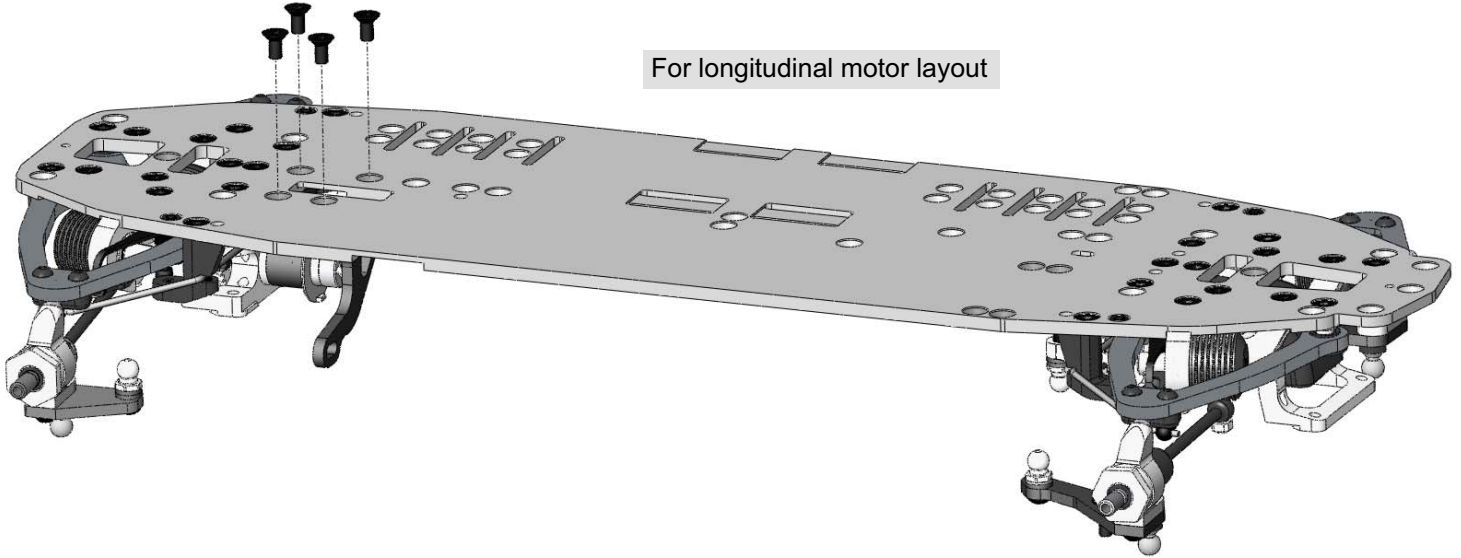
SF3X6 x5


For transverse motor layout



SF3X6 x4

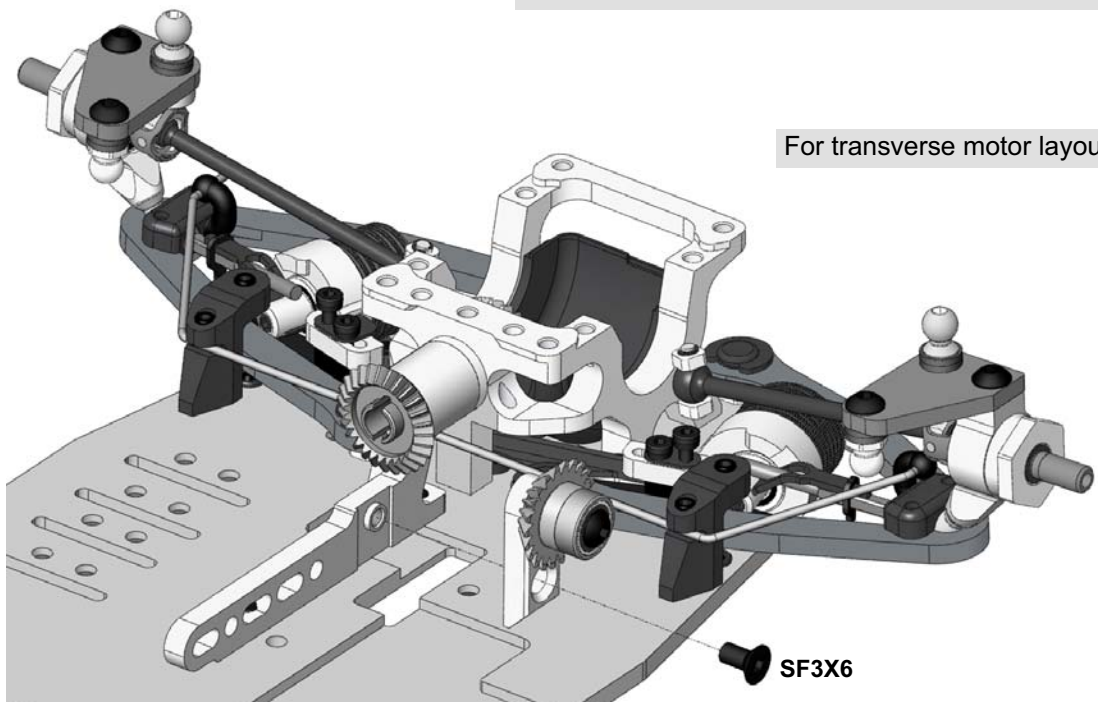
For longitudinal motor layout



 SF3X6 M3x6 Flat Head Screw x6 / x4

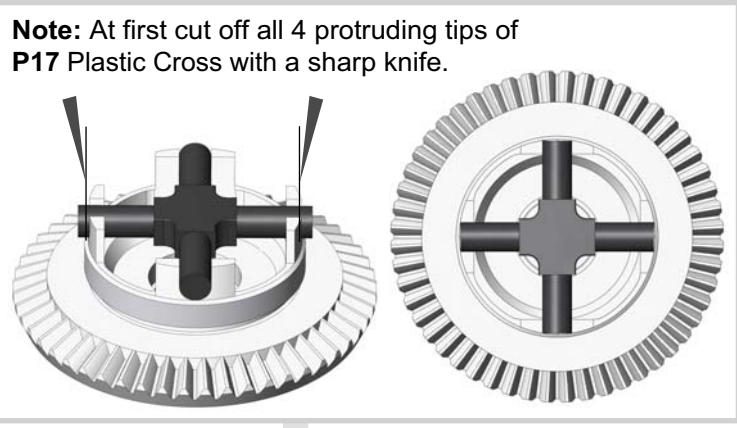
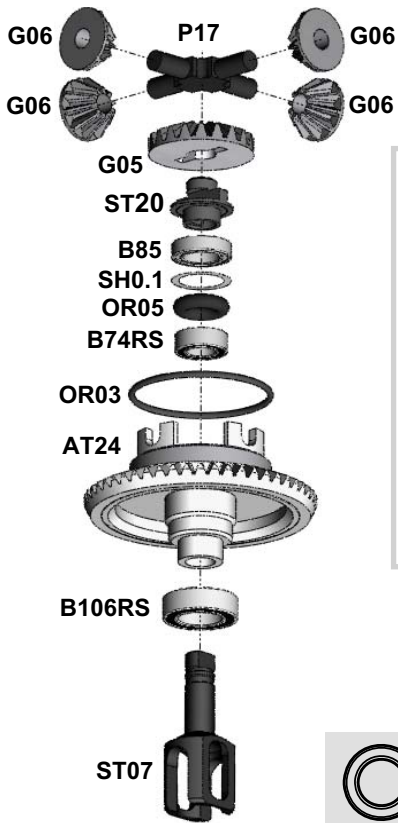
**STEP 24**

For transverse motor layout

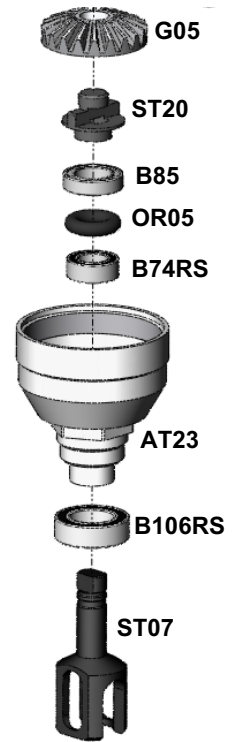


SF3X6

### STEP 25

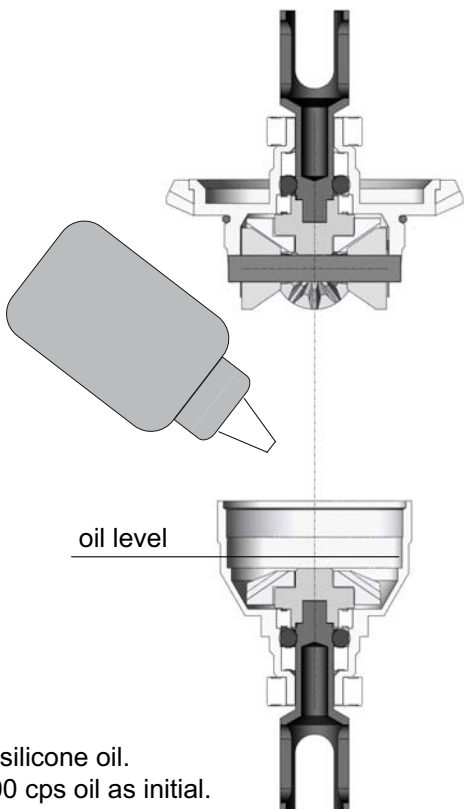


### STEP 26



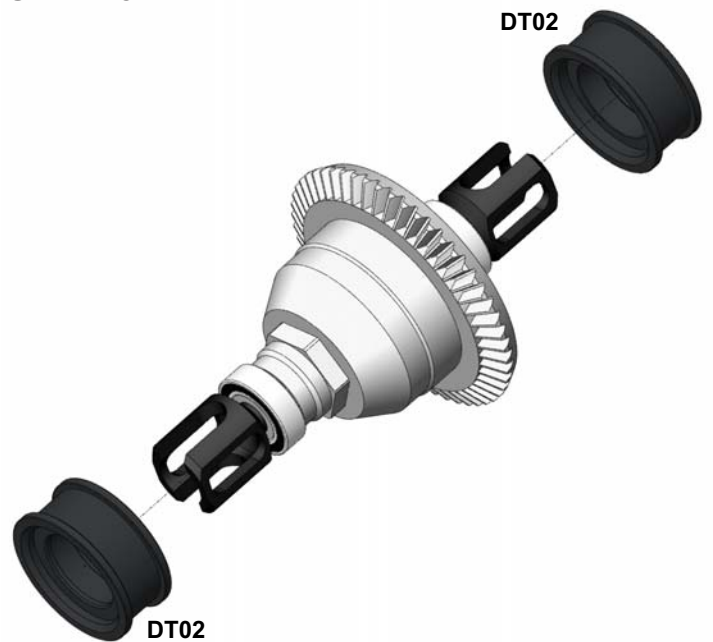
	<b>B106RS</b> MR106RS Bearing	x2	<b>AT23</b> GD Case1	x1
	<b>B85</b> MR85 Bearing	x2	<b>AT24</b> GD Case2	x1
	<b>B74RS</b> MR74RS Bearing	x2	<b>ST20</b> GD Shaft	x2
	<b>SH0.1</b> 6x8x0.1mm Shim	x1	<b>P17</b> Plastic Cross	x1
	<b>OR05</b> GD O-Ring	x2	<b>OR03</b> 11mm O-Ring	x1
			<b>G05</b> 20T Plastic Gear	x2
			<b>G06</b> 10T Plastic Gear	x4
			<b>ST07</b> Outdrive	x2
			<b>DT02</b> Bearing Housing	x2

### STEP 27



Fill with silicone oil.  
Use 1000 cps oil as initial.

### STEP 28

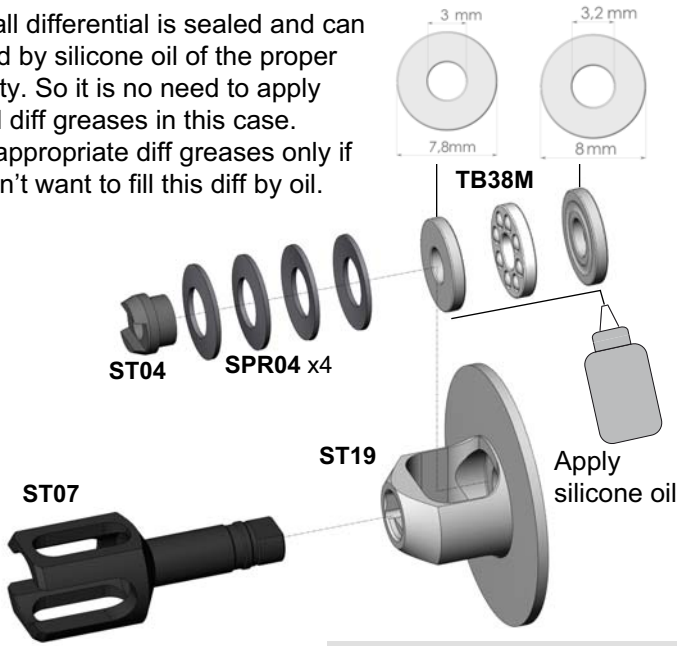


**Note:** Use 10mm wrench for AT23 GD Case1 tightening.

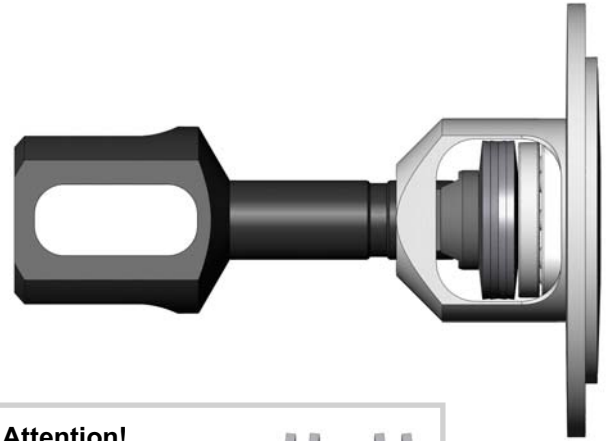
### STEP 29 (optional)

Assembling of **BD1** Ball Diff Set (not included).

This ball differential is sealed and can be filled by silicone oil of the proper viscosity. So it is no need to apply special diff greases in this case. Apply appropriate diff greases only if you don't want to fill this diff by oil.



### STEP 29 FINISHED



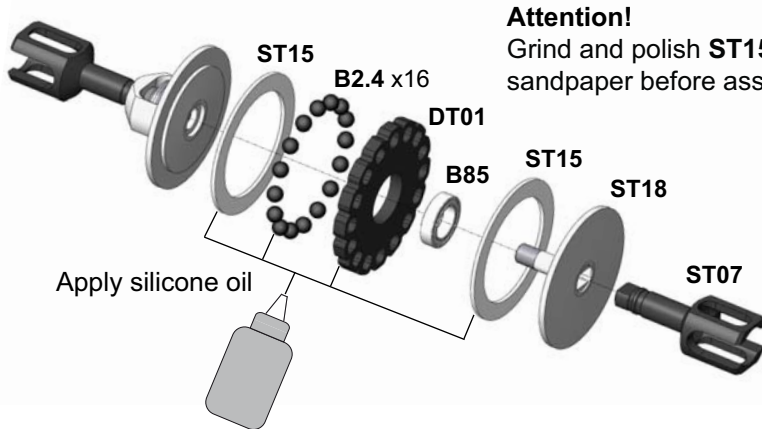
**Attention!**

**SPR04** proper order



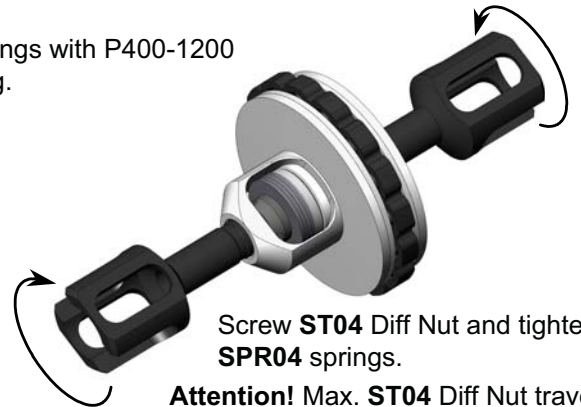
	<b>TB38M</b> F3-8M Thrust Bearing	x1	<b>ST18</b> Diff Axle1	x1
	<b>SPR04</b> Diff Spring	x4	<b>ST19</b> Diff Axle2	x1
	<b>B2.4</b> 2.4mm Ball	x16	<b>ST07</b> Outdrive	x2
	<b>B85</b> MR85 Bearing	x1	<b>DT01</b> Diff Cage	x1
	<b>ST04</b> Diff Nut	x1	<b>ST15</b> Diff Ring	x2

### STEP 30 (optional)



**Attention!**

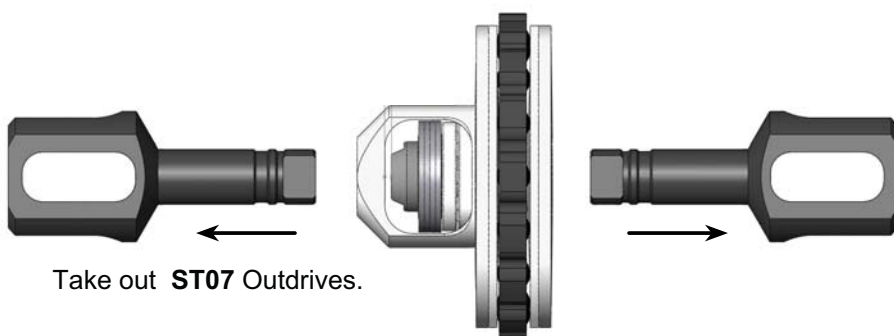
Grind and polish **ST15** Diff Rings with P400-1200 sandpaper before assembling.



Screw **ST04** Diff Nut and tighten **SPR04** springs.

**Attention!** Max. **ST04** Diff Nut travel at springs tightening is 3/4 turn only.

### STEP 31



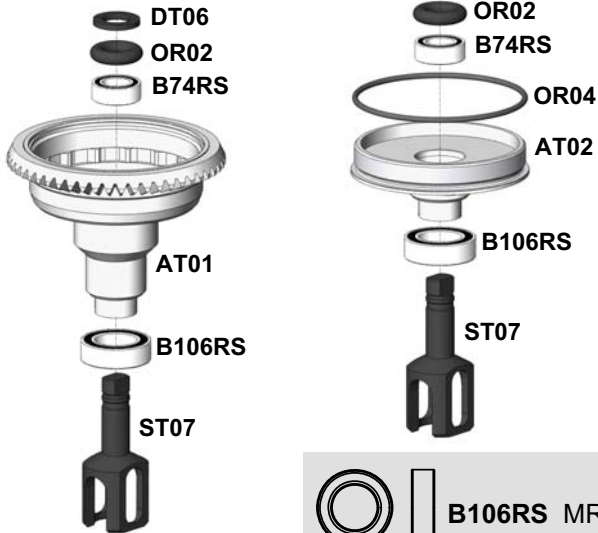
Take out **ST07** Outdrives.

### STEP 31 FINISHED

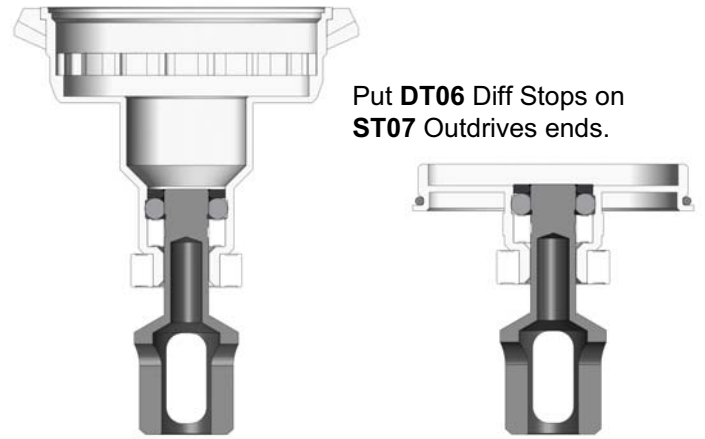


Inner Diff Block

### STEP 32 (optional)

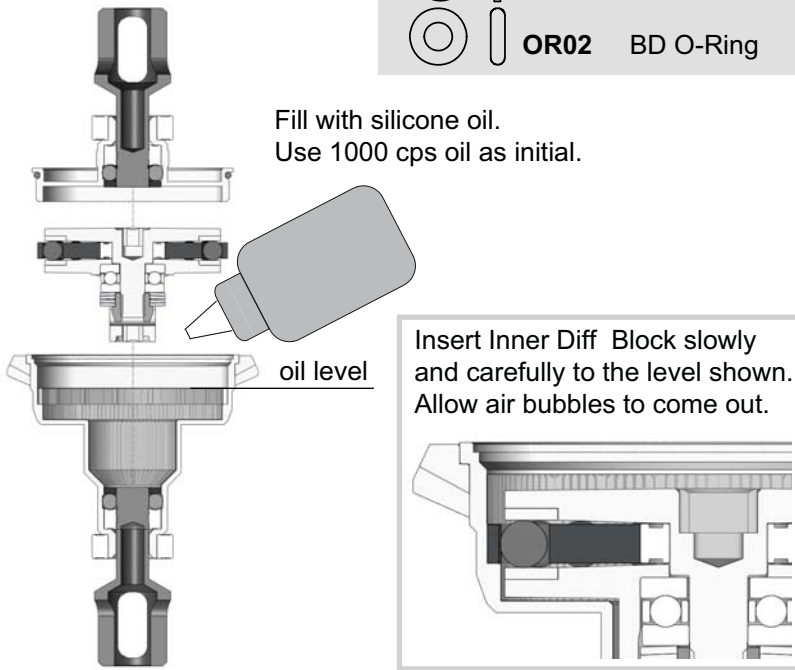


### STEP 32 FINISHED

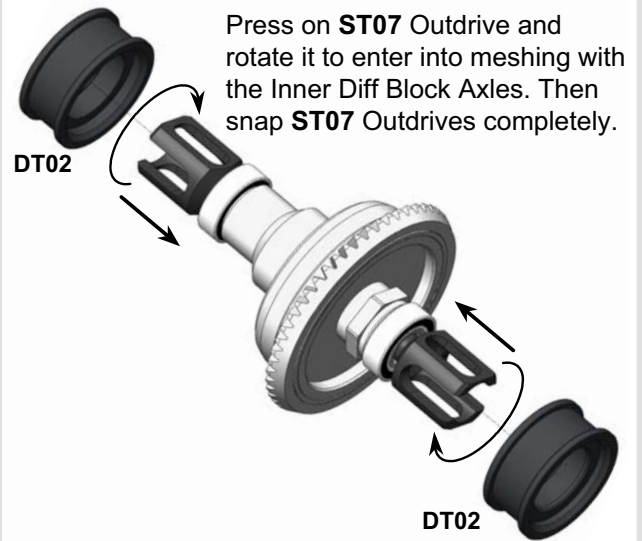


	<b>B106RS</b> MR106RS Bearing	x2	<b>AT01</b> Diff Case1	x1
	<b>B74RS</b> MR74RS Bearing	x2	<b>AT02</b> Diff Case2	x1
	<b>DT06</b> Diff Stop	x2	<b>OR04</b> 14mm O-Ring	x1
	<b>OR02</b> BD O-Ring	x2	<b>DT02</b> Bearing Housing	x2

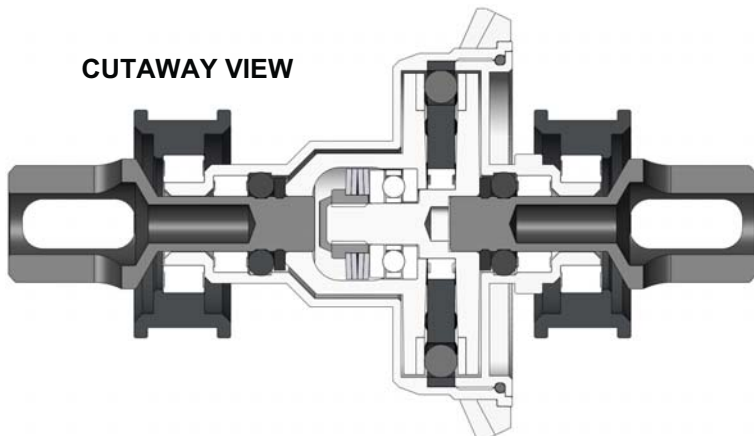
### STEP 33 (optional)



### STEP 34 (optional)



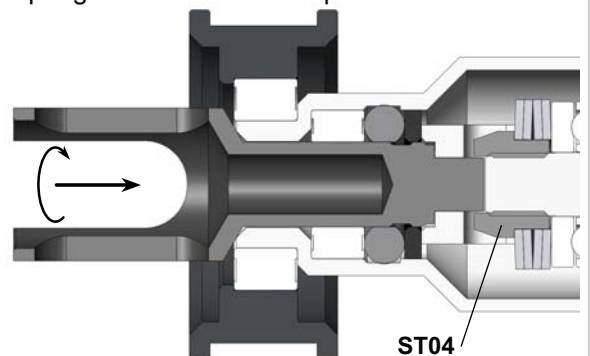
### STEP 34 FINISHED



It is possible to adjust diff spring tightening without diff disassembly.

#### Diff tightening change.

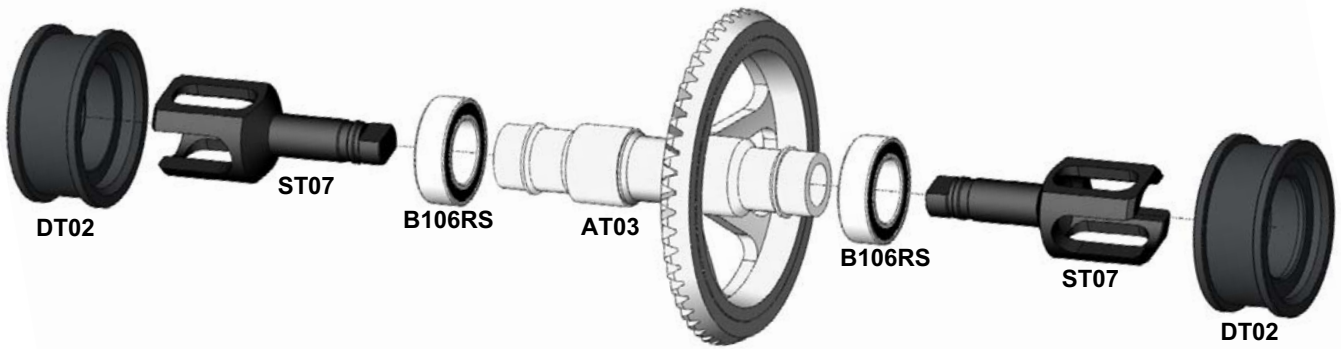
Press on this **ST07** Outdrive and rotate it to enter into meshing with **ST04** Diff Nut. Screw in/out Diff Nut to set desired springs tension. Then snap out **ST07** Outdrive.



**Attention!** Max. **ST04** Diff Nut travel at springs tightening is 3/4 turn only.

### STEP 35

Press on **ST07** Outdrive and rotate it to enter into meshing with the **AT03** Spool Axle. Then snap each Outdrive completely. There are two lock rings inside the Spool Axle for fixation of the Outdrives.



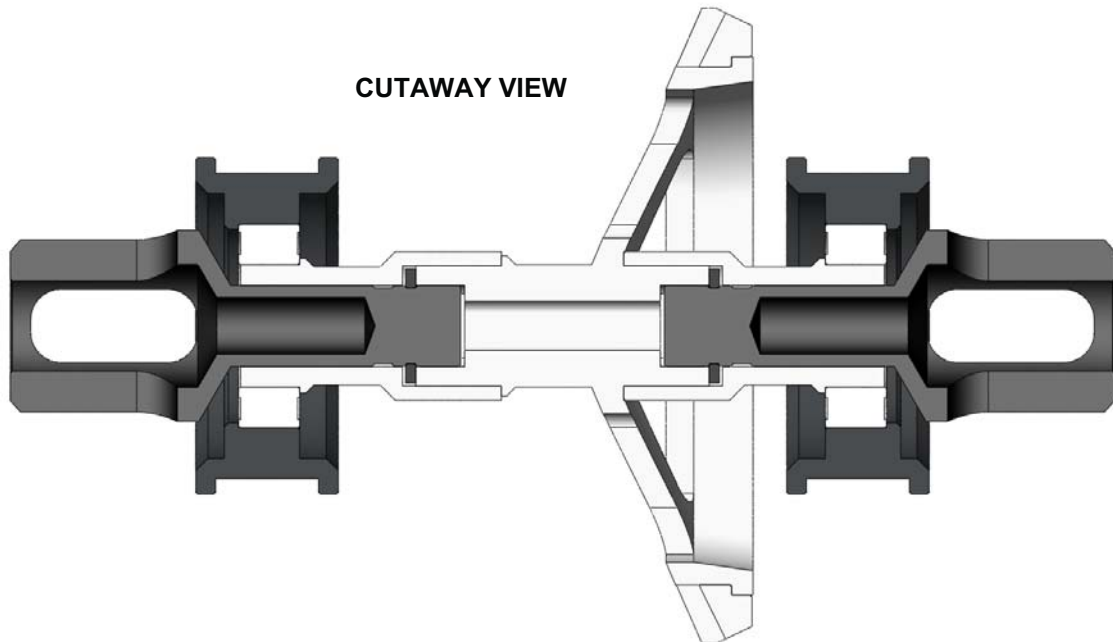
**B106RS** MR106RS Bearing x2

**AT03** Spool Axle x1

**ST07** Outdrive x2

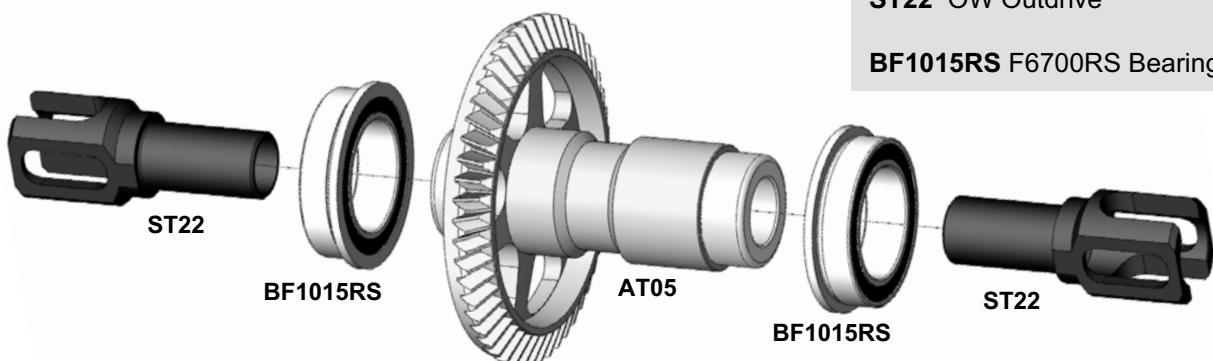
### STEP 35 FINISHED

**DT02** Bearing Housing x2



### STEP 36 (optional)

**OW1** One-Way Axle Set (not included)

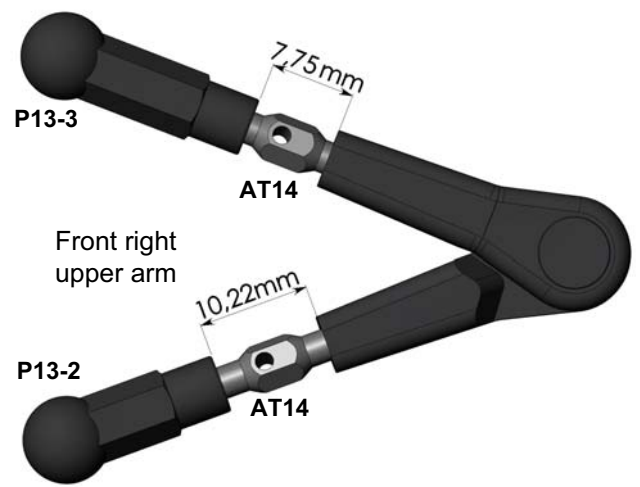
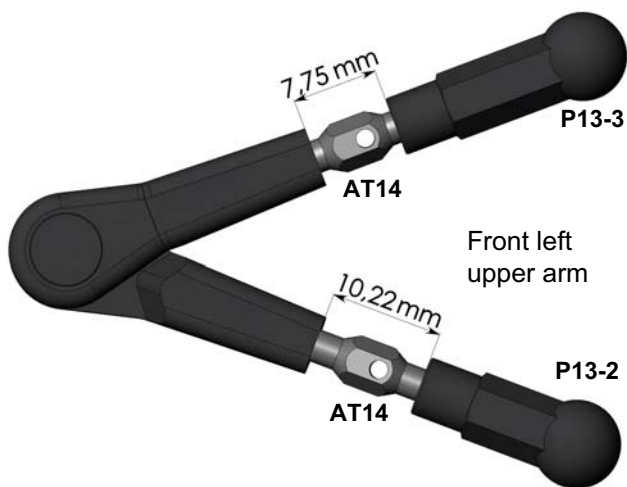
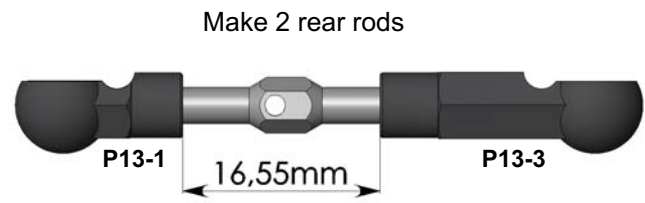
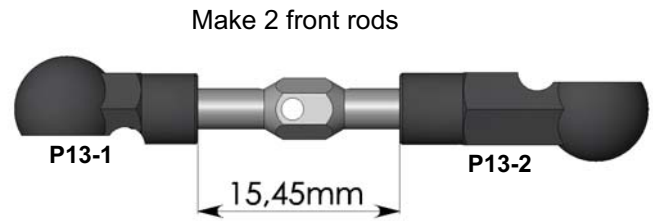
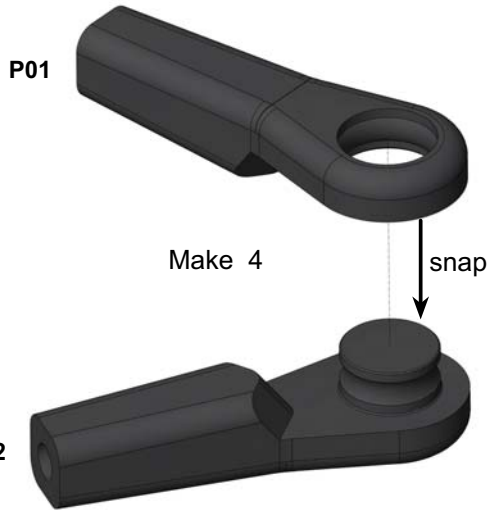


**AT05** OW Housing x1

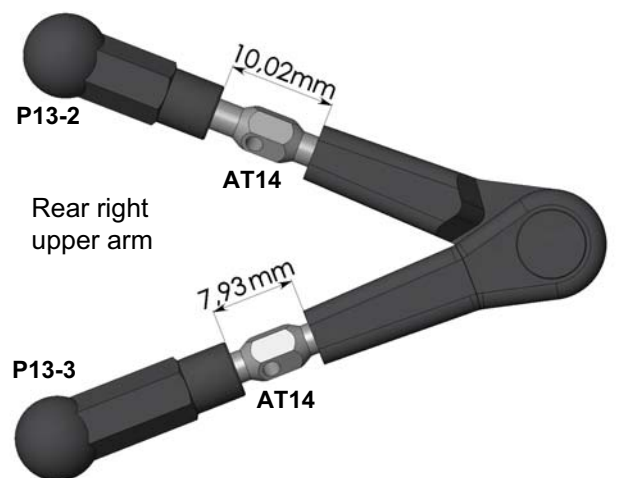
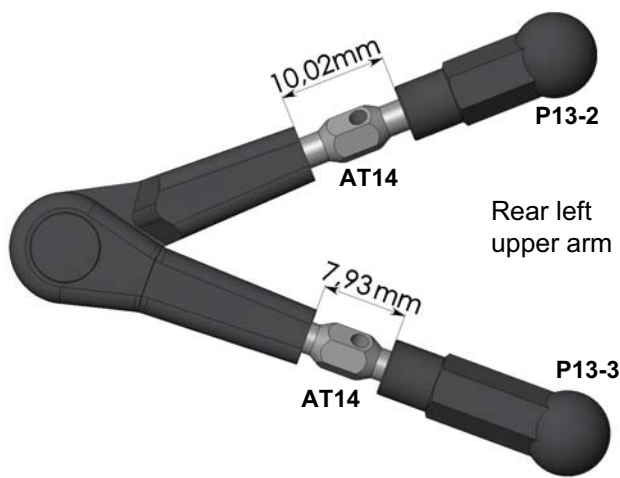
**ST22** OW Outdrive x2

**BF1015RS** F6700RS Bearing x2

# STEP 37

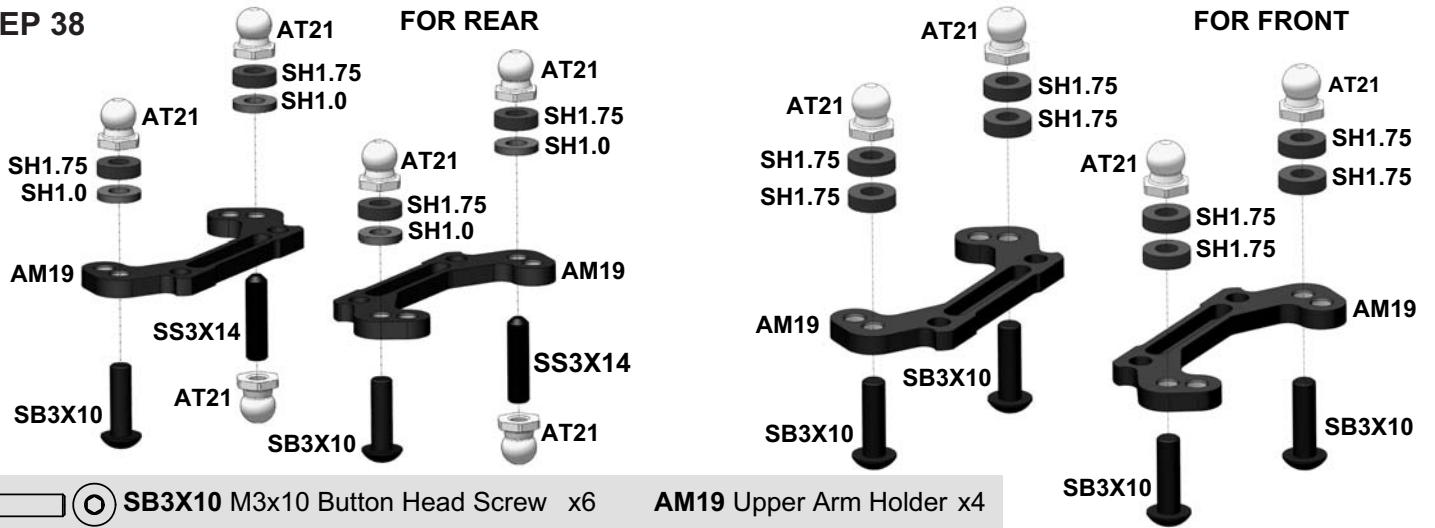


	P13-1 Ball End 14mm	x4	P01	Ball Joint1	x4
	P13-2 Ball End 19mm	x6	P02	Ball Joint2	x4
	P13-3 Ball End 22mm	x6	AT14	Turnbuckle	x12



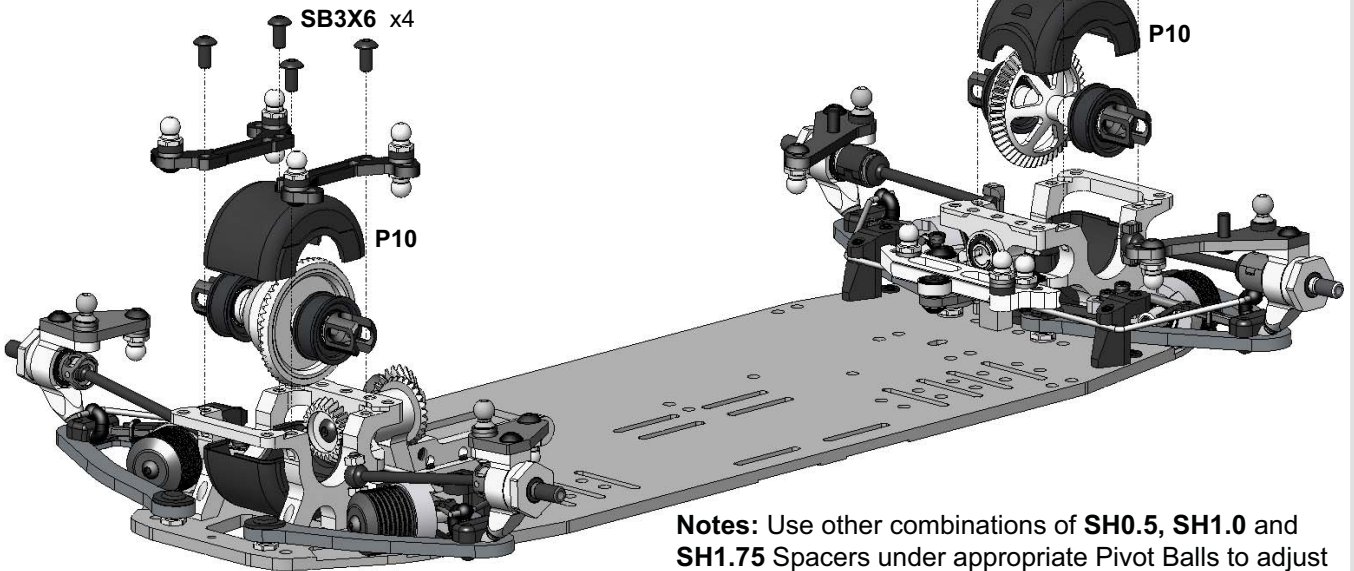
**Notes:** The given rods and arms sizes are approximately for 4° front caster and 0° rear caster, 1.5° both front and rear camber, 3° rear toe-in and 0° front toe angles.  
 Use a setup station or angles gauge for further precise suspension geometry setting.  
 See our recommendations on page #35 for quick and easy suspension geometry change.

### STEP 38



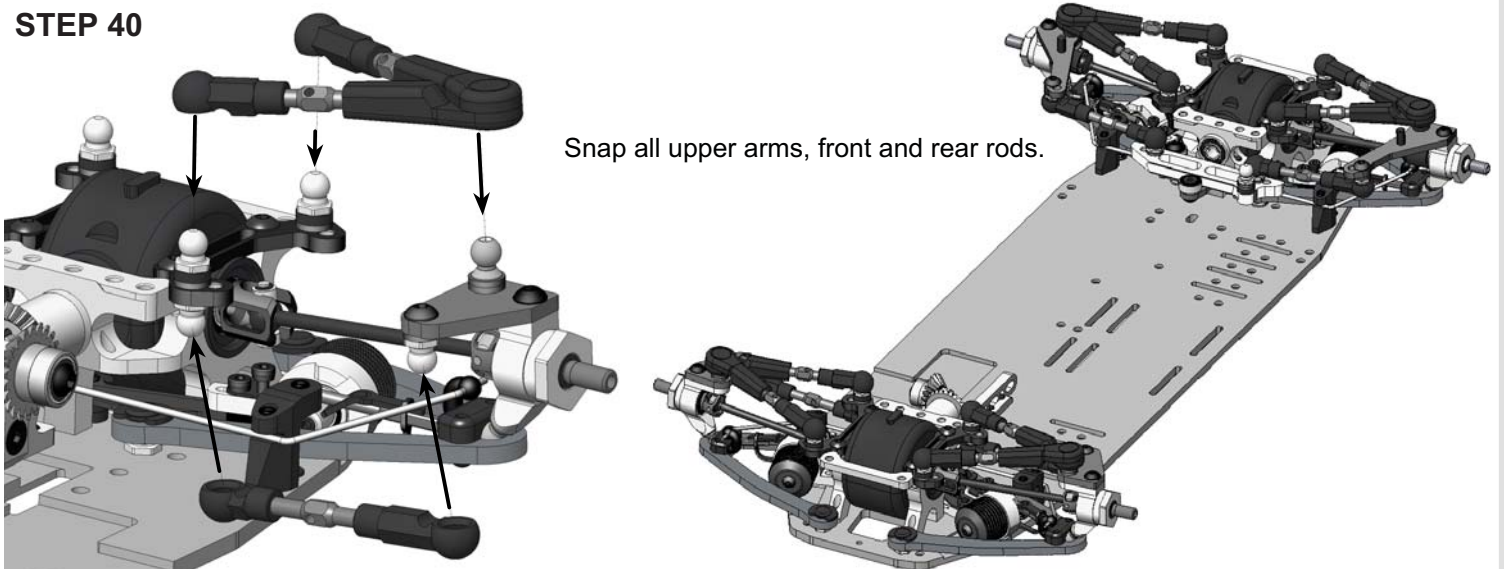
- |  |  |   |     |                              |    |
|--|--|---|-----|------------------------------|----|
|  |  | <b>SB3X10</b> M3x10 Button Head Screw   | x6  | <b>AM19</b> Upper Arm Holder | x4 |
|  |  | <b>SB3X6</b> M3x6 Button Head Screw     | x8  | <b>AT21</b> Pivot Ball       | x4 |
|  |  | <b>SS3X14</b> M3x14 Set Screw           | x2  | <b>P10</b> Diff Cover        | x2 |
|  |  | <b>SH1.75</b> 6x3x1.75mm Spacer (Black) | x12 |                              |    |
|  |  | <b>SH1.0</b> 6x3x1mm Spacer (Gray)      | x4  |                              |    |

### STEP 39

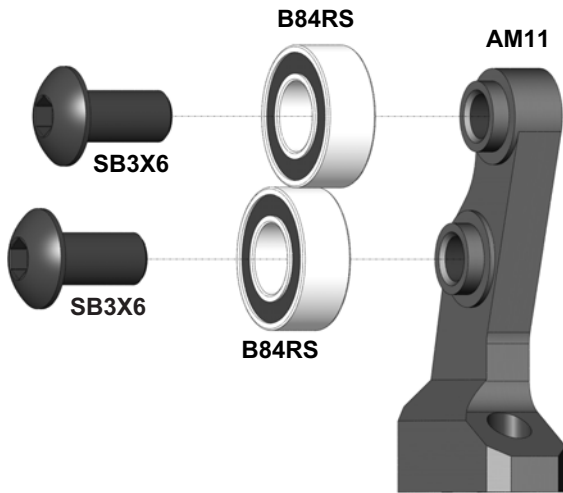


**Notes:** Use other combinations of **SH0.5**, **SH1.0** and **SH1.75** Spacers under appropriate Pivot Balls to adjust your car set-up to better suit different track conditions.

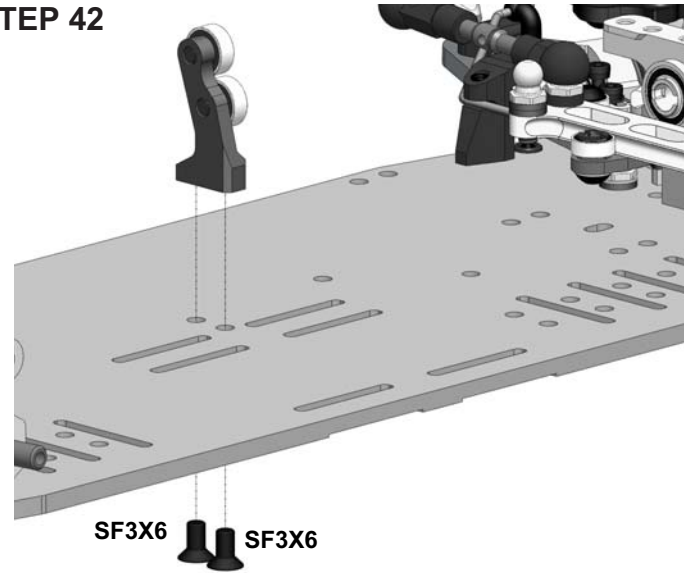
### STEP 40



### STEP 41

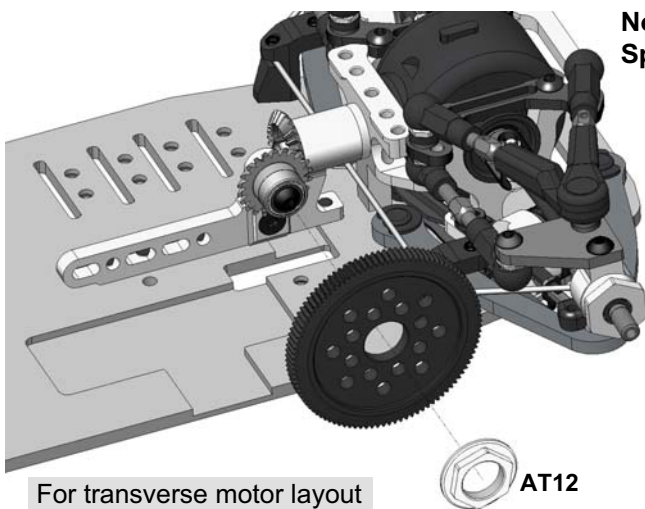


### STEP 42



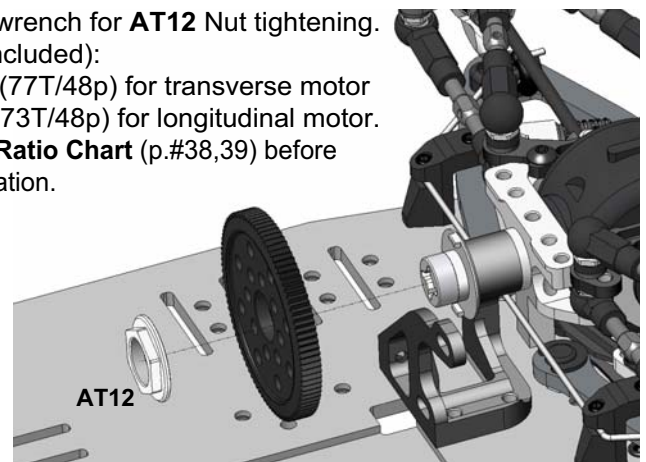
		<b>SB3X6</b> M3x6 Button Head Screw	x2	<b>AM11</b> Tower	x1
		<b>B84RS</b> MR84RS Bearing	x2	<b>AT12</b> Spur Nut	x1
		<b>SF3X6</b> M3x6 Flat Head Screw	x2	<b>AT04</b> Main Shaft	x1

### STEP 43



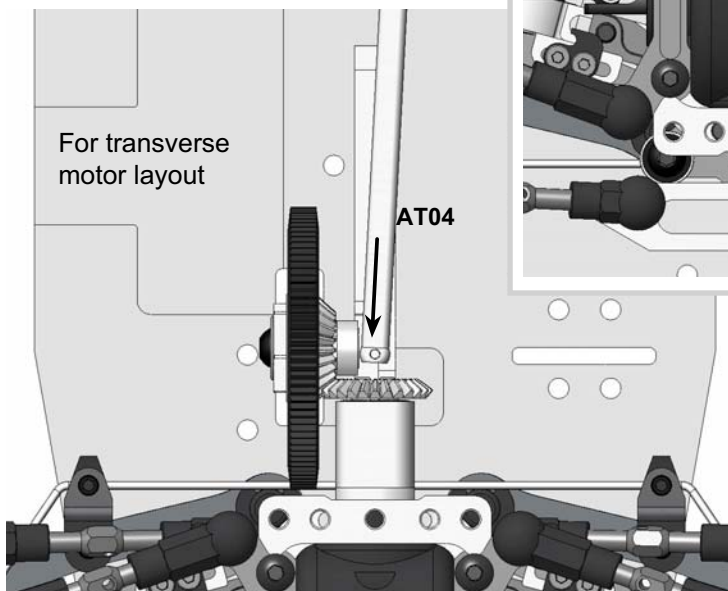
For transverse motor layout

**Note:** Use 12mm wrench for **AT12** Nut tightening.  
**Spur gears** (not included):  
 up to 104T/64p (77T/48p) for transverse motor  
 up to 98T/64p (73T/48p) for longitudinal motor.  
 Check up **Drive Ratio Chart** (p.#38,39) before spur gear installation.

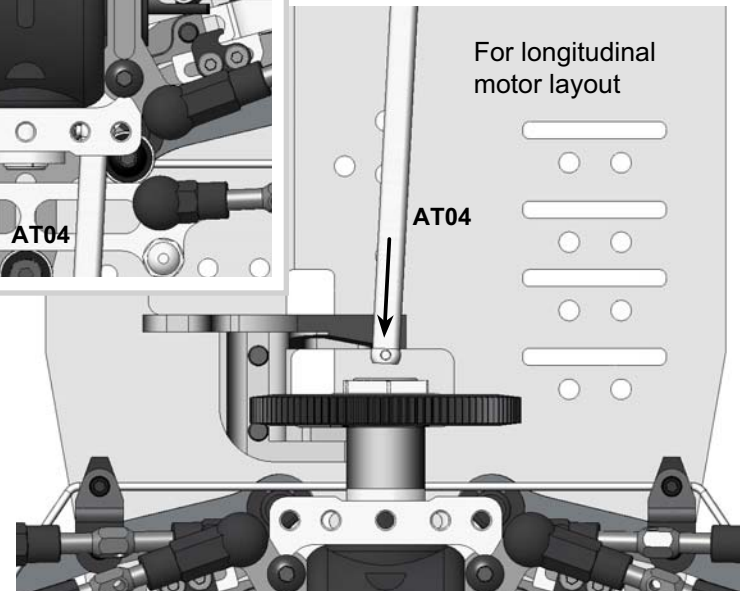
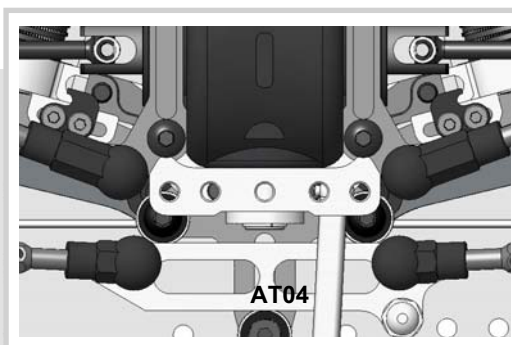


For longitudinal motor layout

### STEP 44



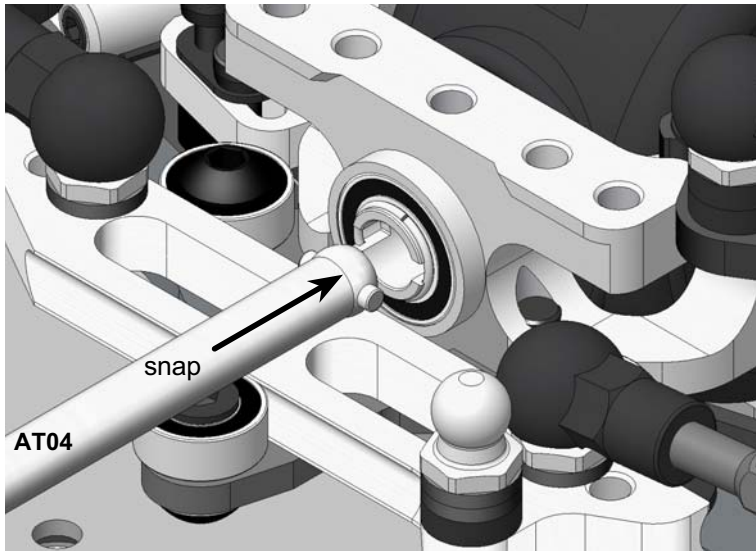
For transverse motor layout



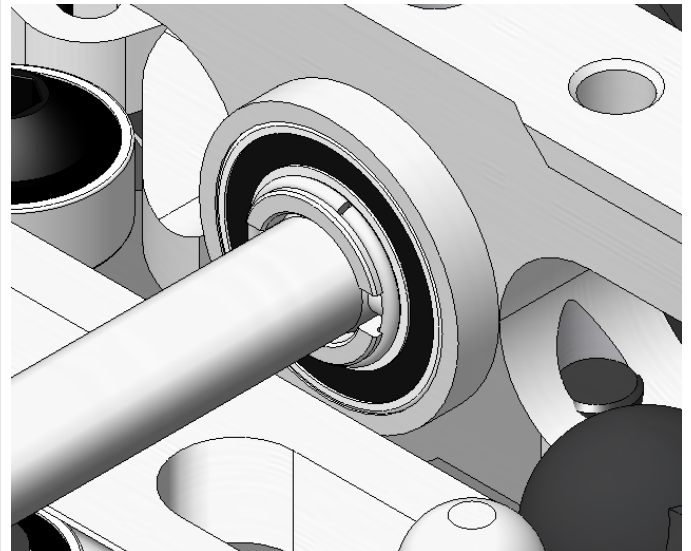
For longitudinal motor layout



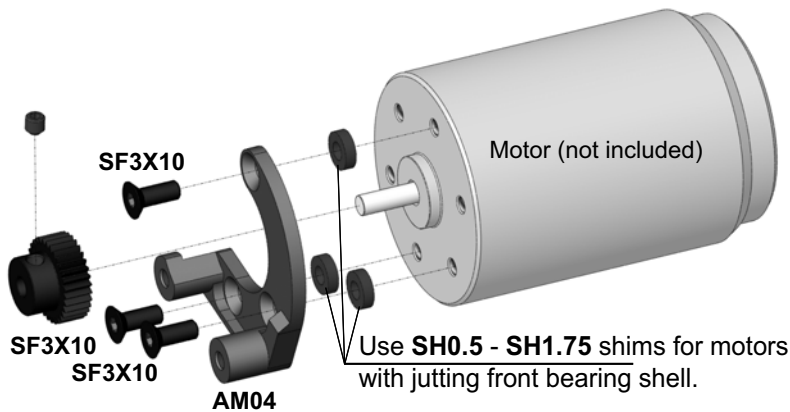
### STEP 44 (cont'd)



### STEP 44 FINISHED

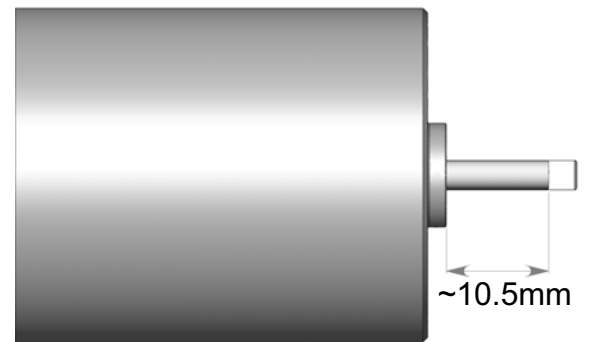


### STEP 45 For transverse motor layout



Check up **Drive Ratio Chart** (p.#38) before pinion gear (not included) installation.

**Note:** Cut motor shaft for minimal possible lateral motor displacement. Otherwise use additional shims between **AM04** Motor Mount and **AM02** Rear Bar or motor.

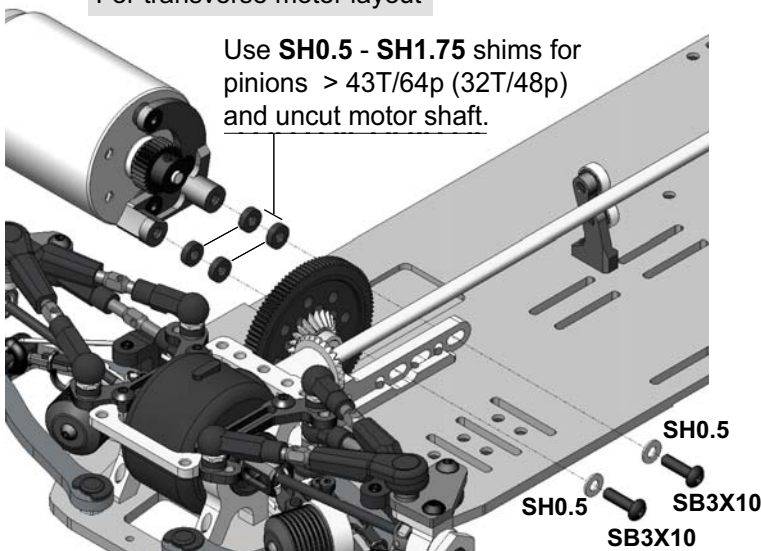


- SB3X10** M3x10 Button Head Screw x2
- SF3X10** M3x10 Flat Head Screw x3
- SH0.5** 6x3x0.5mm Spacer (Silver) x2

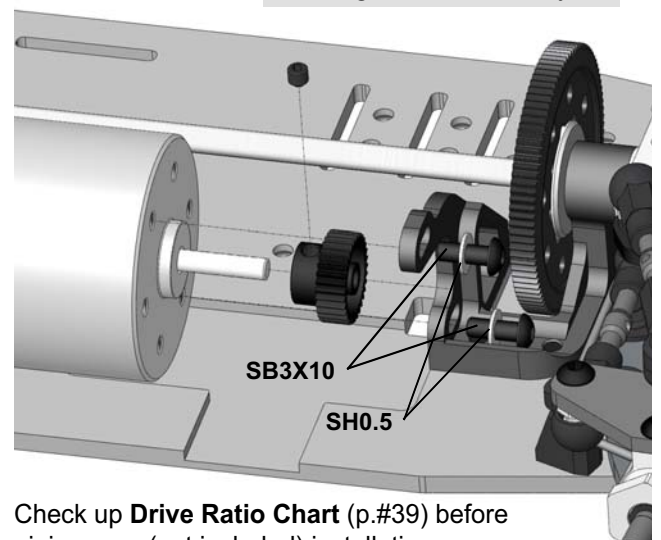
**AM04** Motor Mount T x1

### STEP 46

For transverse motor layout

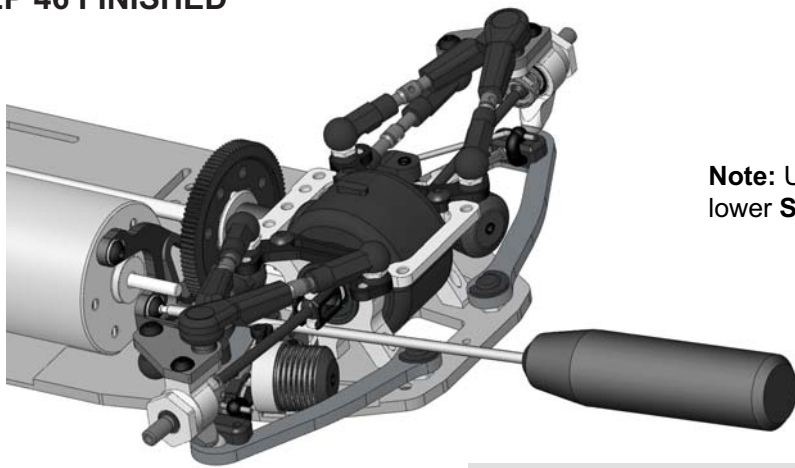


For longitudinal motor layout



Check up **Drive Ratio Chart** (p.#39) before pinion gear (not included) installation.

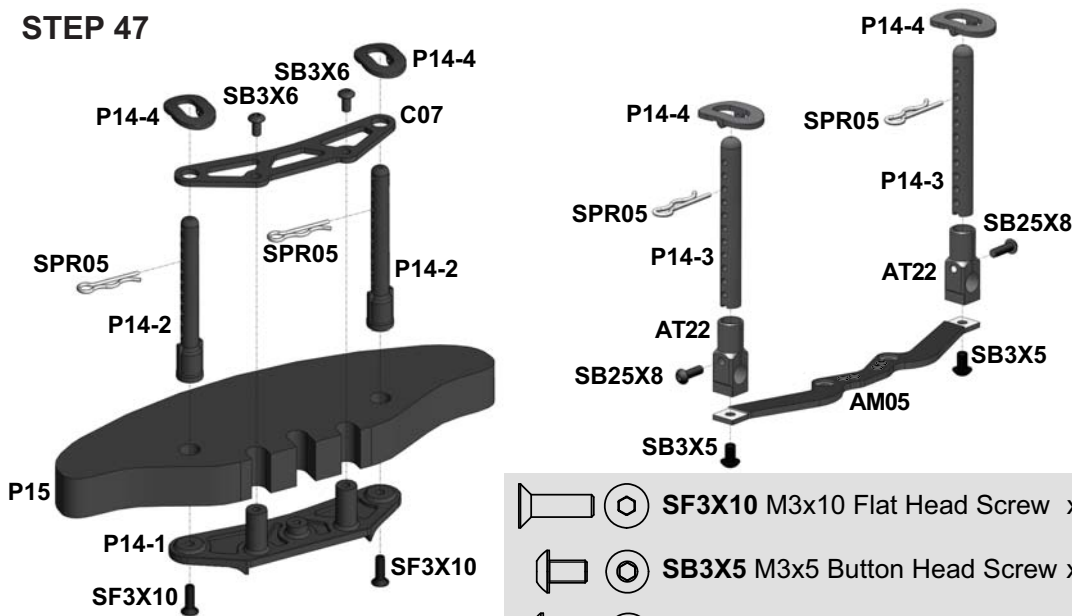
### STEP 46 FINISHED



**Note:** Use long 2.0mm ball end hex driver to reach lower **SB3X10** motor screw as shown here.

For longitudinal motor layout

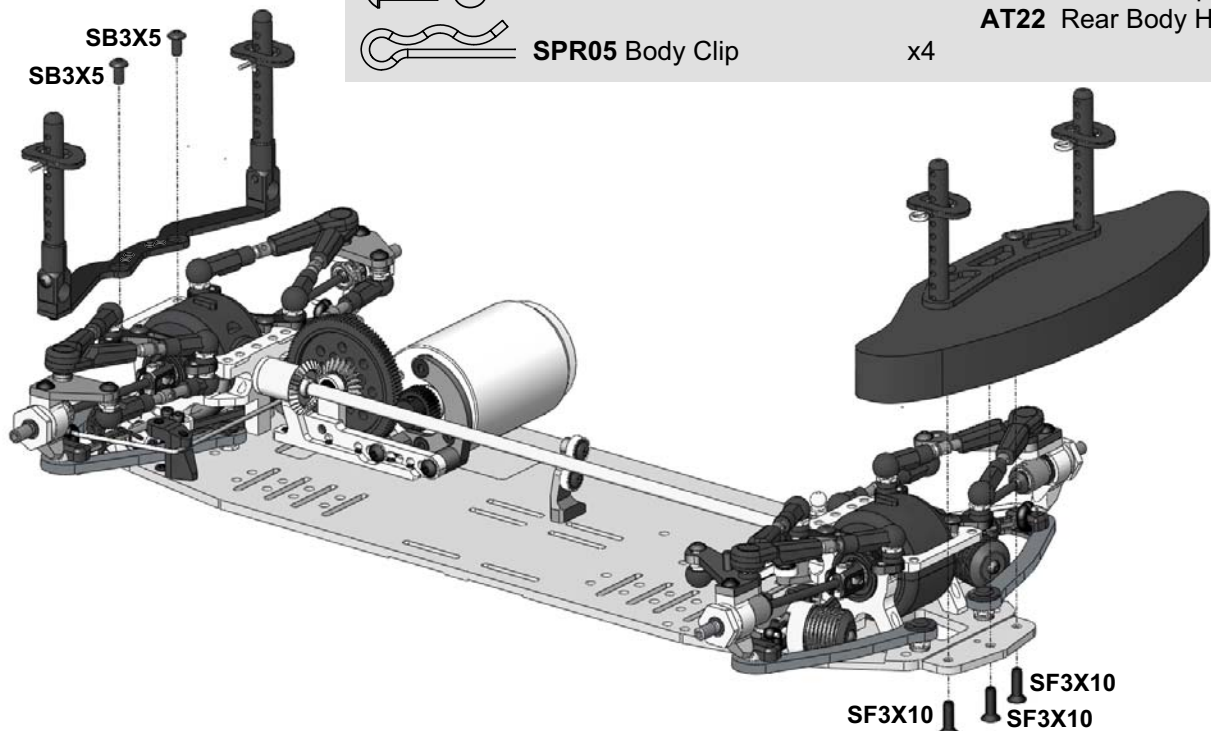
### STEP 47



**Note:** Use suitable optional bars (not included) for additional support of body's tail.

	<b>SF3X10</b> M3x10 Flat Head Screw	x5	<b>C07</b> Carbon Bumper	x1
	<b>SB3X5</b> M3x5 Button Head Screw	x4	<b>AM05</b> Rear Holder	x1
	<b>SB3X6</b> M3x6 Button Head Screw	x2	<b>P14-1</b> Lower Bumper	x1
	<b>SB25X8</b> M2.5x8 Screw	x2	<b>P14-2</b> Front Body Post	x2
	<b>SPR05</b> Body Clip	x4	<b>P14-3</b> Rear Body Post	x2
			<b>P14-4</b> Body Holder	x4
			<b>P15</b> Foam Bumper	x1
			<b>AT22</b> Rear Body Holder	x2

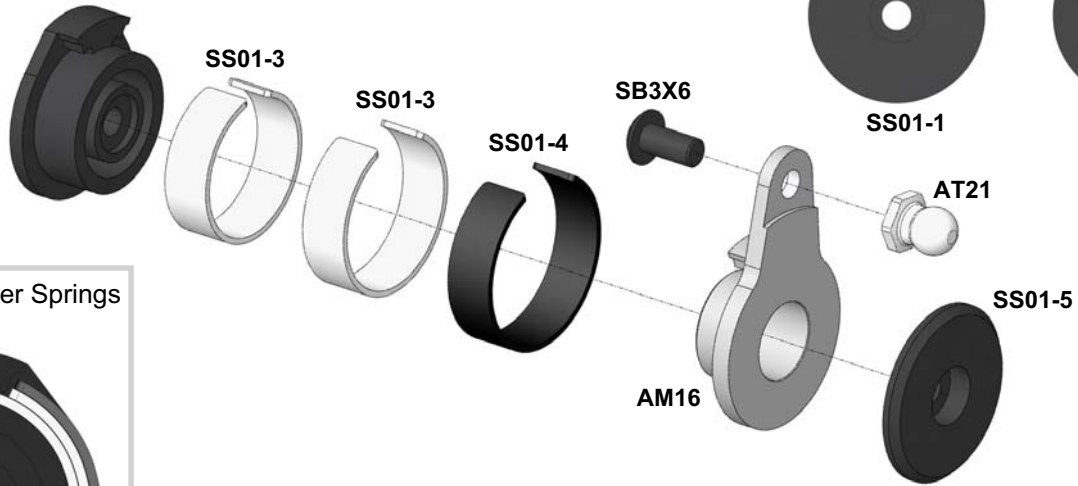
### STEP 48



### STEP 49

Select Servo Saver Horn (**SS01-1** or **SS01-2**) according to the type of servo you use.

**SS01-1, SS01-2**

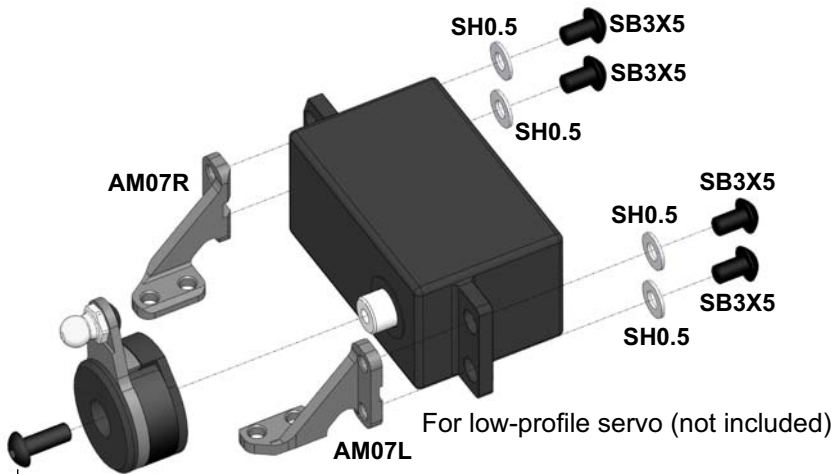


Attach Servo Saver Springs as shown.



- |  |  |    |                                     |    |
|--|--|----|-------------------------------------|----|
|  | <b>SB3X6</b> M3x8 Button Head Screw    | x1 | <b>SS01-1</b> Servo Saver Horn F    | x1 |
|  | <b>SH0.5</b> 6x3x0.5mm Spacer (Silver) | x4 | or <b>SS01-2</b> Servo Saver Horn S | x1 |
|  | <b>SB3X5</b> M3x5 Button Head Screw    | x4 | <b>SS01-5</b> Servo Saver Cap       | x1 |
|  | <b>SS01-3</b> Servo Saver Spring S     | x2 | <b>AM16</b> Servo Saver Arm         | x1 |
|  | <b>SS01-4</b> Servo Saver Spring L     | x1 | <b>AM07R</b> Servo Holder Right     | x1 |
|  |  |    | <b>AM07L</b> Servo Holder Left      | x1 |
|  |  |    | <b>AT21</b> Pivot Ball              | x1 |

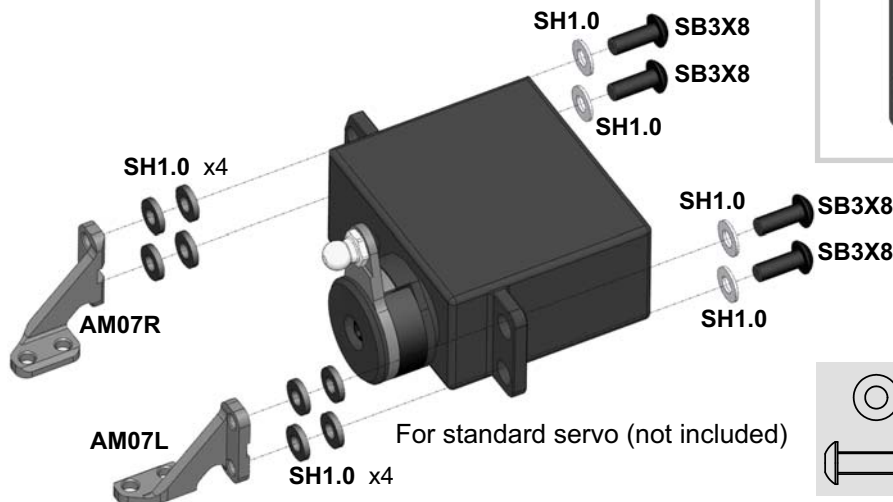
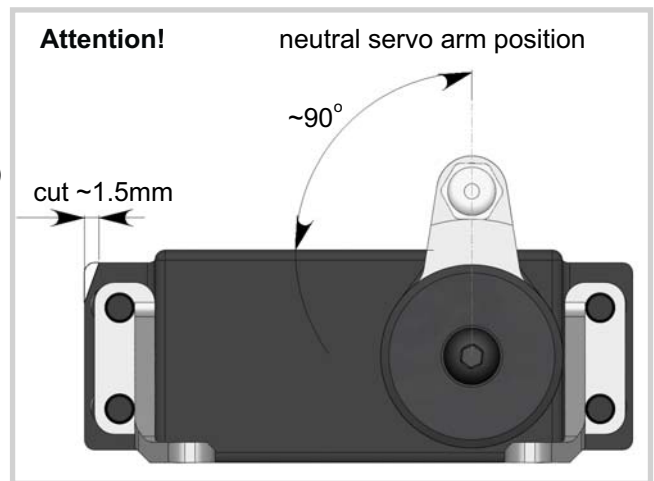
### STEP 50



For low-profile servo (not included)

Select Servo Screw (**S1** or **S2** or **S3** or **S4**) according to the type of servo you use.

- |  |                                |
|--|--------------------------------|
|  | <b>S1</b> 2.6x10 Tapping Screw |
|  | <b>S2</b> 3x10 Tapping Screw   |
|  | <b>S3</b> M2.6x10 Screw        |
|  | <b>S4</b> M3x10 Screw          |

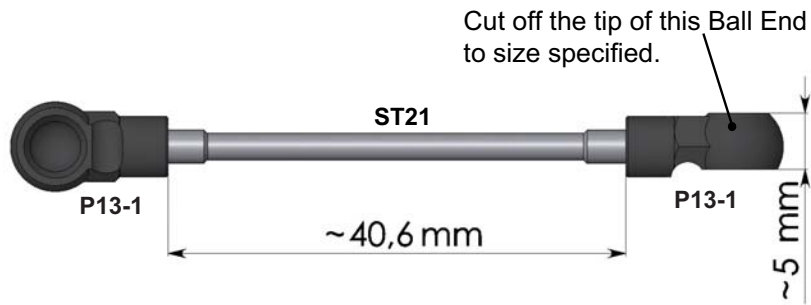


For standard servo (not included)

**Note:** Don't tighten up **SB3X5/SB3X8** screws fully at this stage.

- |  |                                      |    |
|--|--------------------------------------|----|
|  | <b>SH1.0</b> 6x3x1.0mm Spacer (Gray) | x8 |
|  | <b>SB3X8</b> M3x8 Button Head Screw  | x4 |

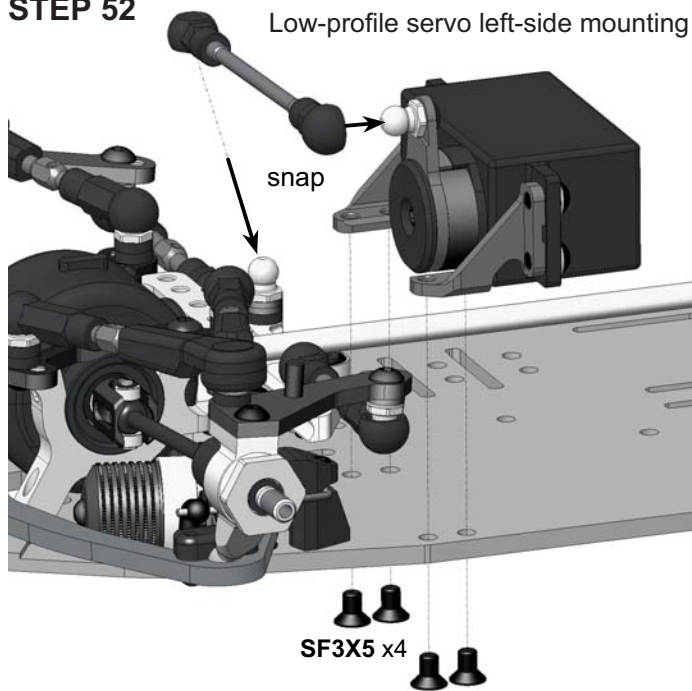
## STEP 51



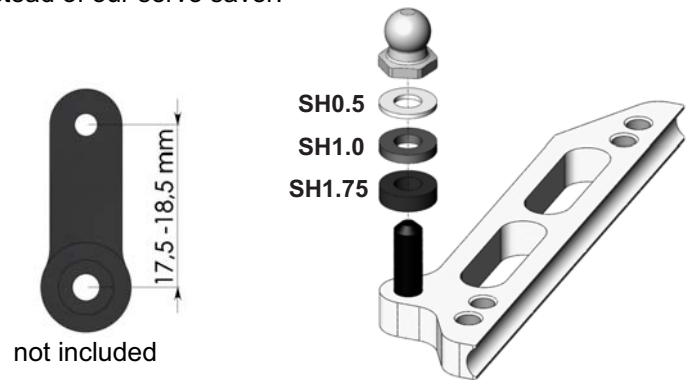
	<b>P13-1</b> Ball End 14mm	x2
	<b>SF3X5</b> M3x5 Flat Head Screw	x4
	<b>ST21</b> Servo Rod	x1

## STEP 52

Low-profile servo left-side mounting is shown.



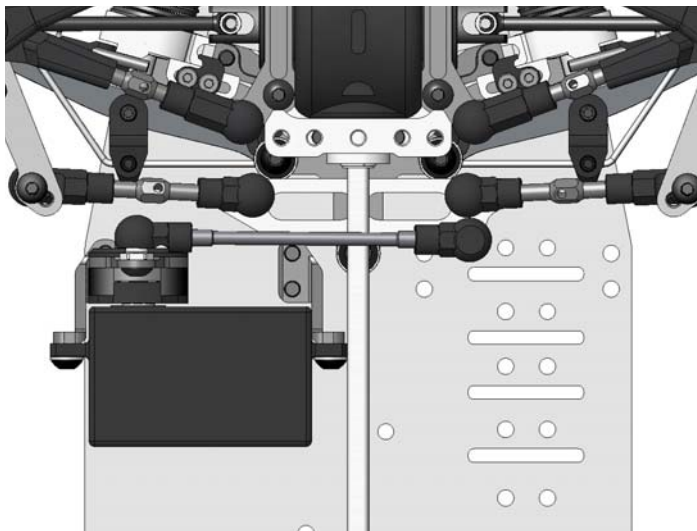
**Note:** Recommended length of optional servo arm is 17,5-18,5mm.  
Use this shims set in case of installation of such servo arm instead of our servo saver.



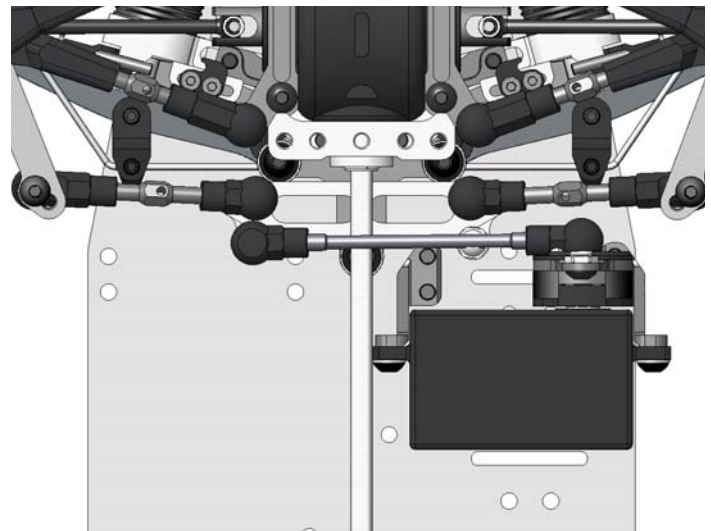
## STEP 52 FINISHED

Tighten up **SB3X5/SB3X8** crews to fix the servo fully.

Left-side servo location.  
Low-profile is shown.

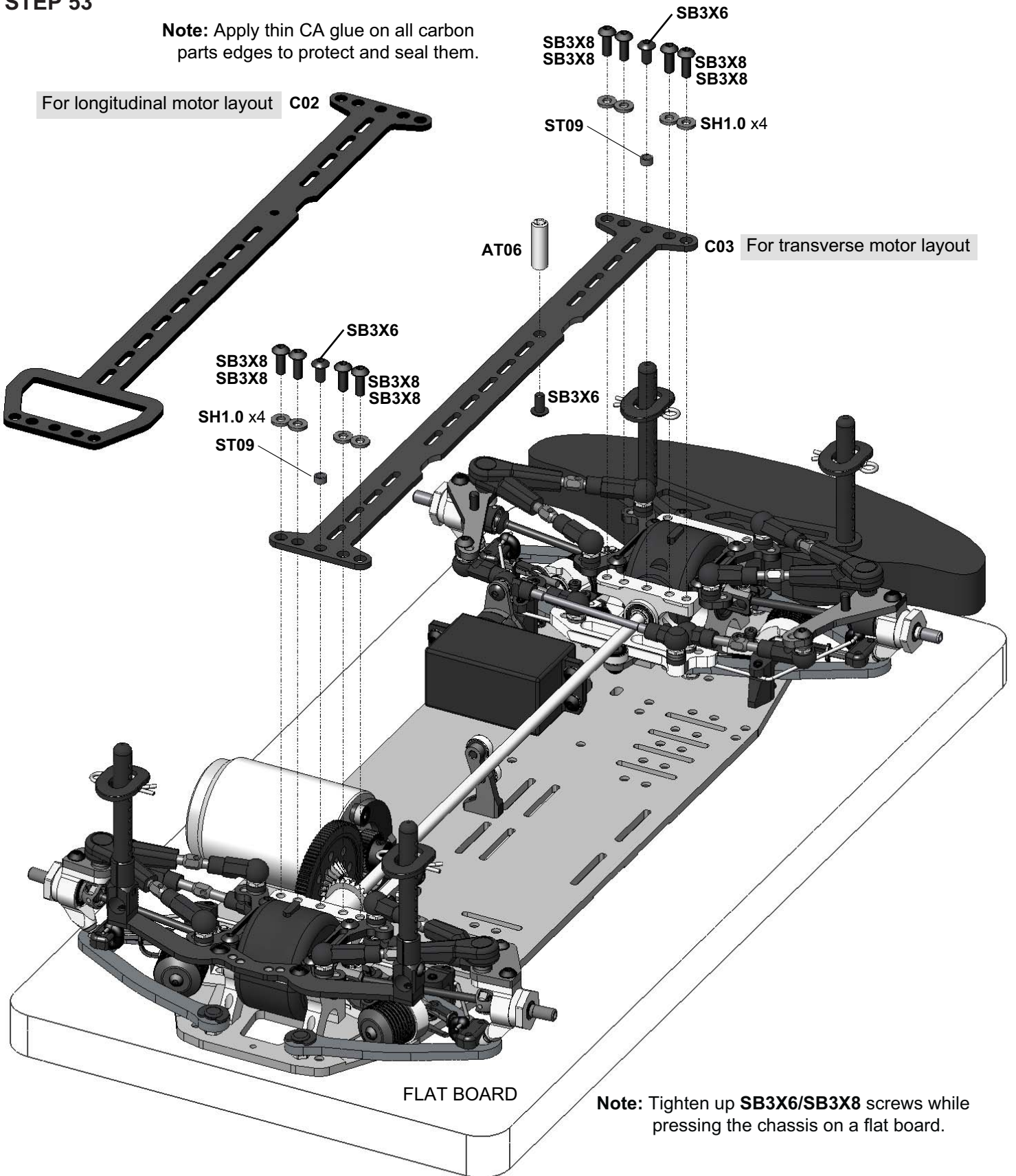


Right-side servo location.  
Low-profile servo is shown.



# STEP 53

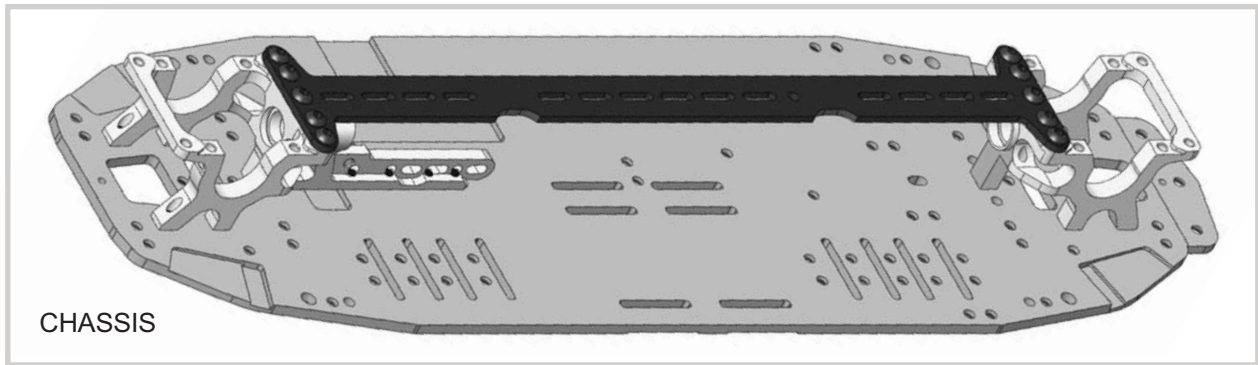
**Note:** Apply thin CA glue on all carbon parts edges to protect and seal them.



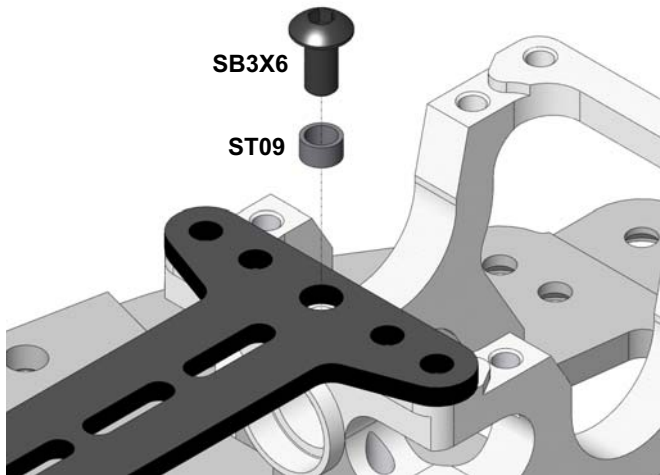
**Note:** Tighten up **SB3X6/SB3X8** screws while pressing the chassis on a flat board.

		<b>SB3X6</b> M3x6 Button Head Screw	x3	<b>C03</b> Top Deck T	x1
		<b>SB3X8</b> M3x8 Button Head Screw	x8	or	
		<b>C02</b> Top Deck L	x1		
		<b>ST09</b> Upper Collar	x2	<b>AT06</b> Antenna Holder	x1
		<b>SH1.0</b> 6x3x1.0mm Spacer (Gray)	x4		

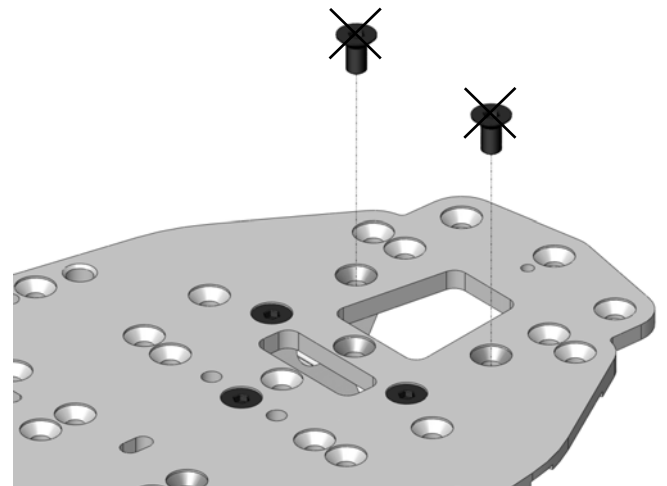
## CHASSIS FLEX SETTING TECHNIQUE



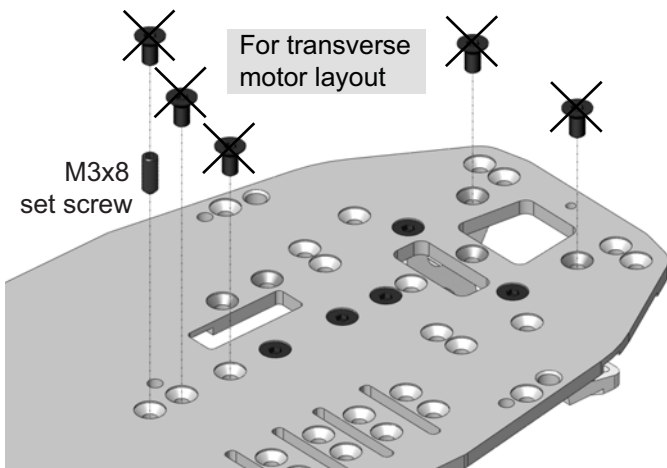
For the softest setting use one central **SB3X6** screw only. It is possible both for front and rear of the chassis.



To increase front flex remove these **SB3X6** screws.

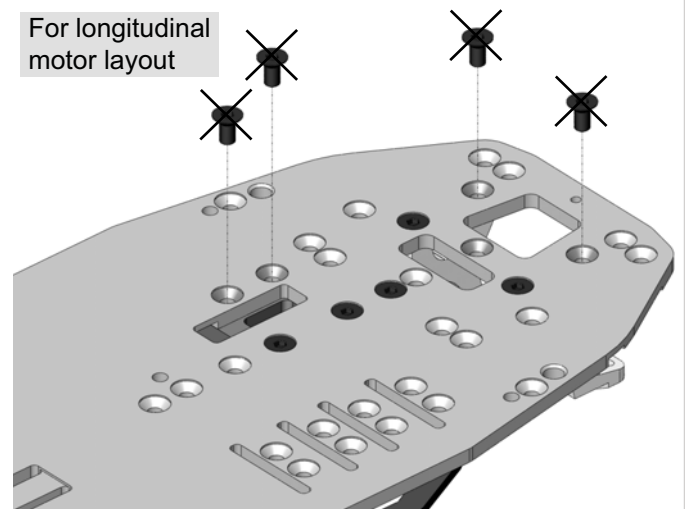


To increase rear flex remove some **SF3X6** screws and add one M3x8 set screw.

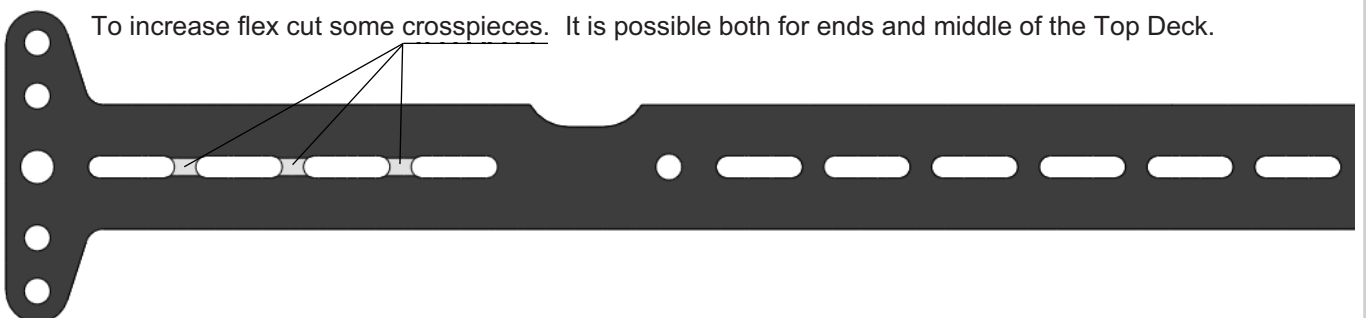


To increase rear flex remove some **SF3X6** screws.

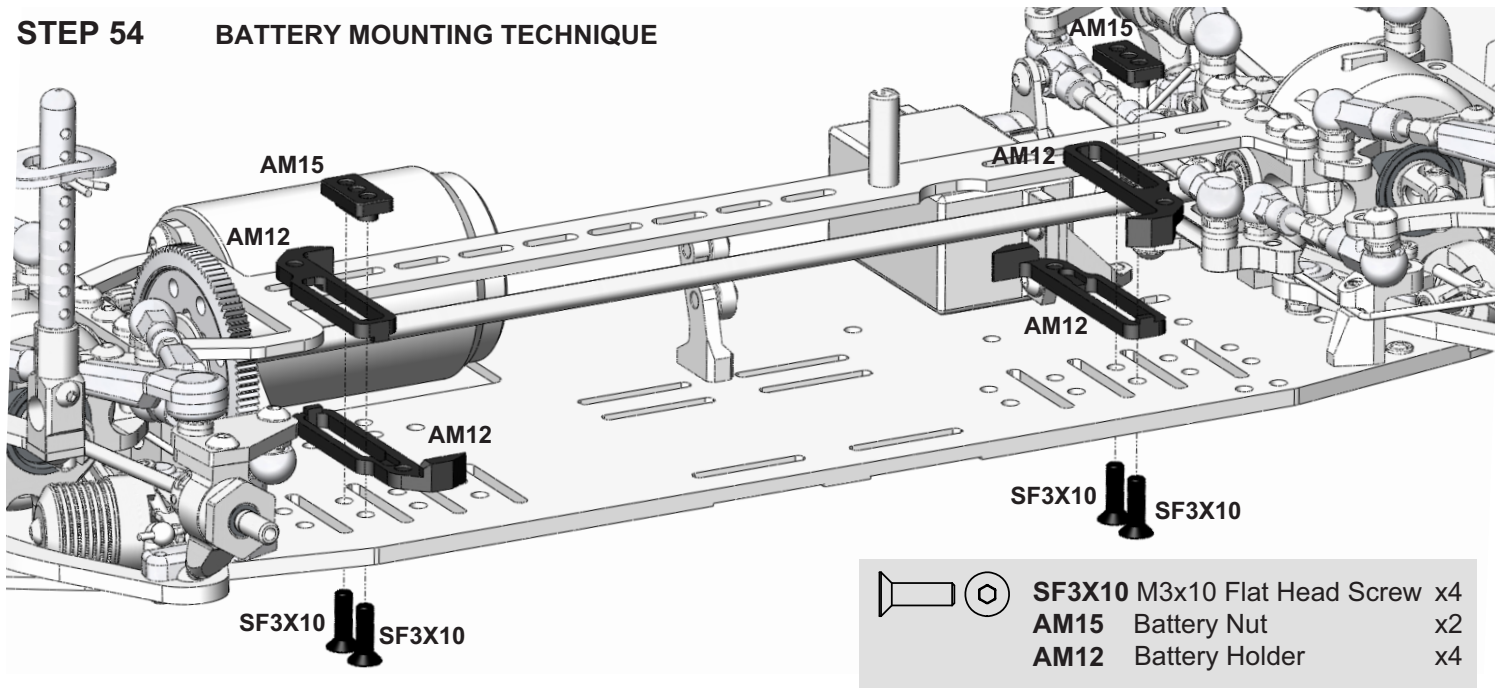
For longitudinal motor layout



To increase flex cut some crosspieces. It is possible both for ends and middle of the Top Deck.

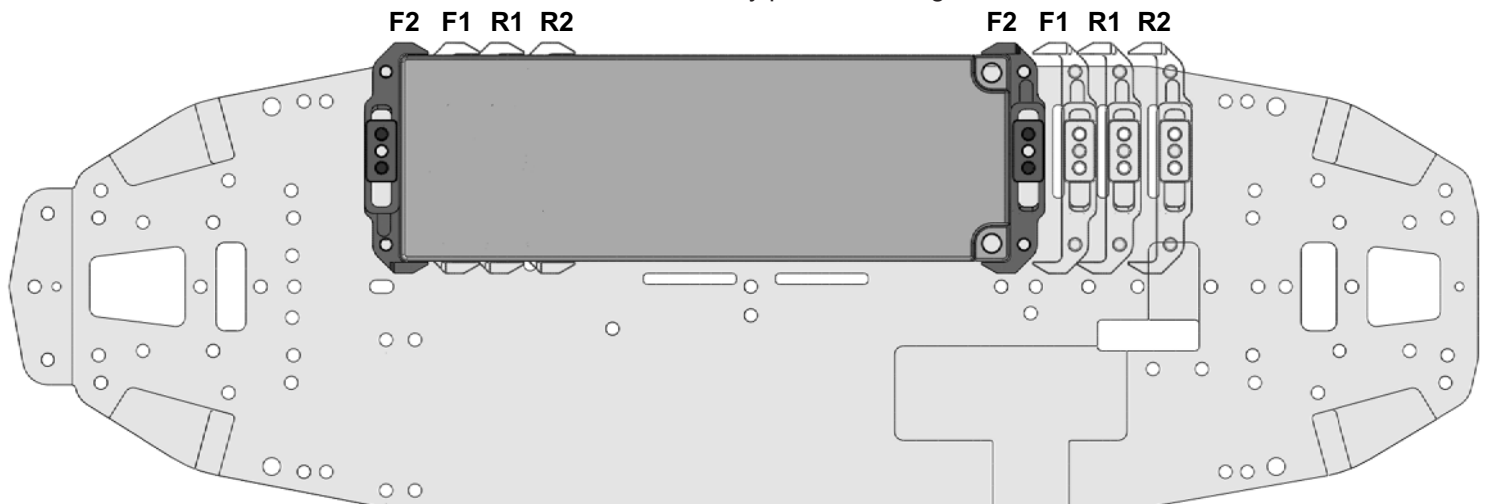


## STEP 54 BATTERY MOUNTING TECHNIQUE

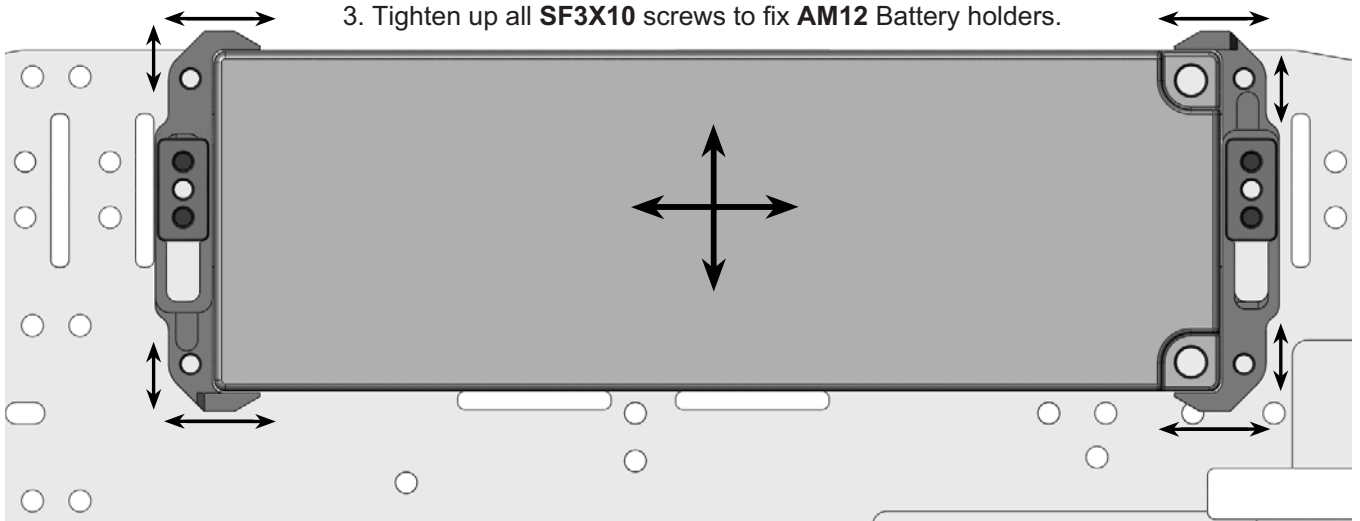


Use battery displacement for left-to-right and front-to-rear weight balance adjustment without additional lead weight. Battery fixing system allows up to 11mm lateral offset for battery, 4 front-to-rear battery positions at left-side servo and one front-to-rear position at right-side servo.

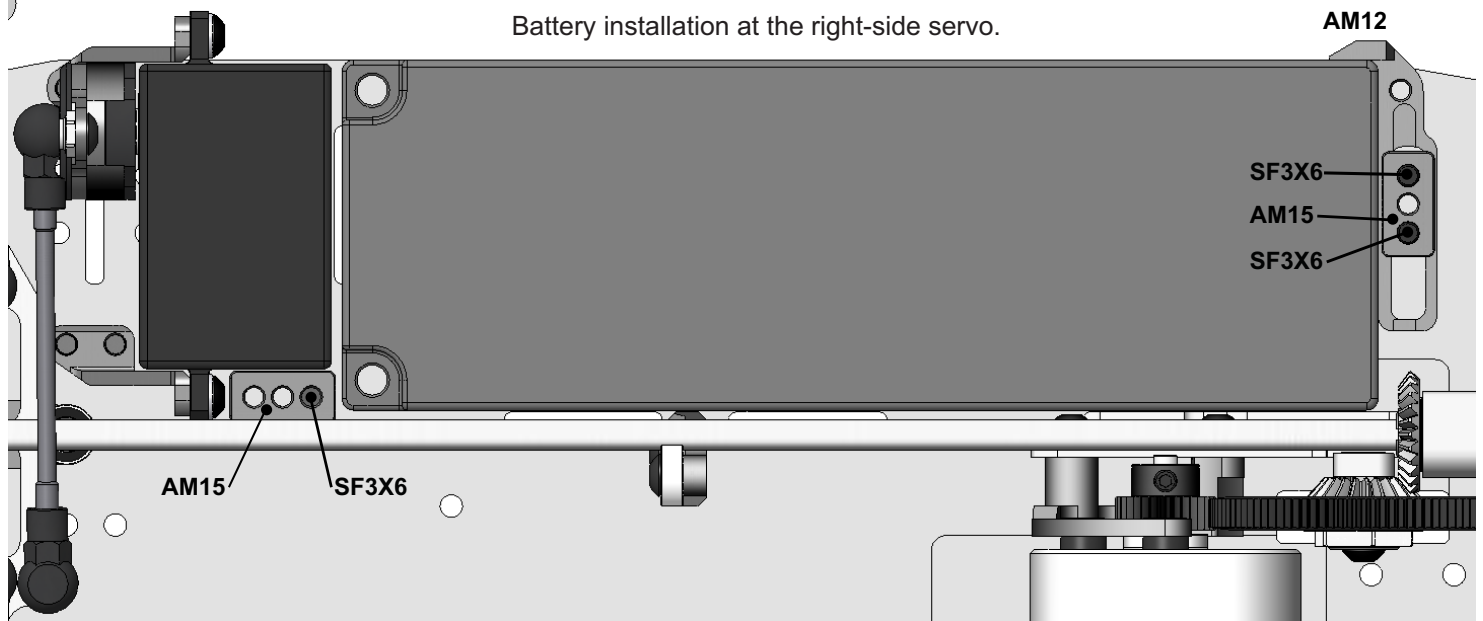
Front-to-rear battery positions designation.



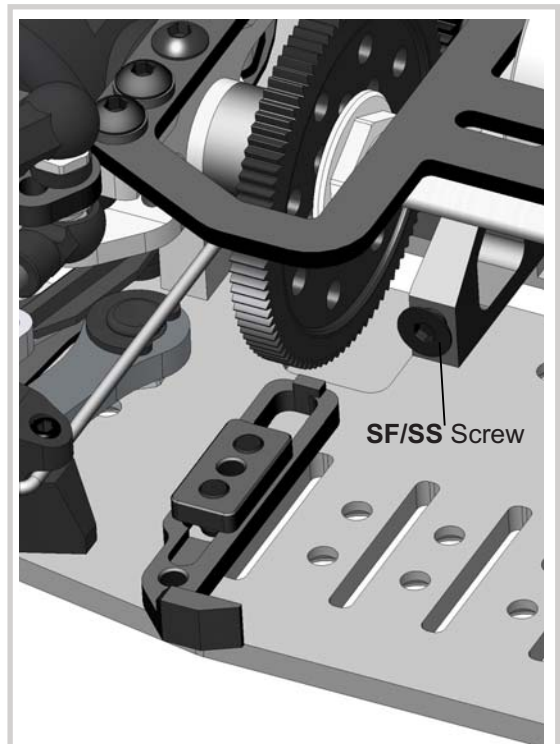
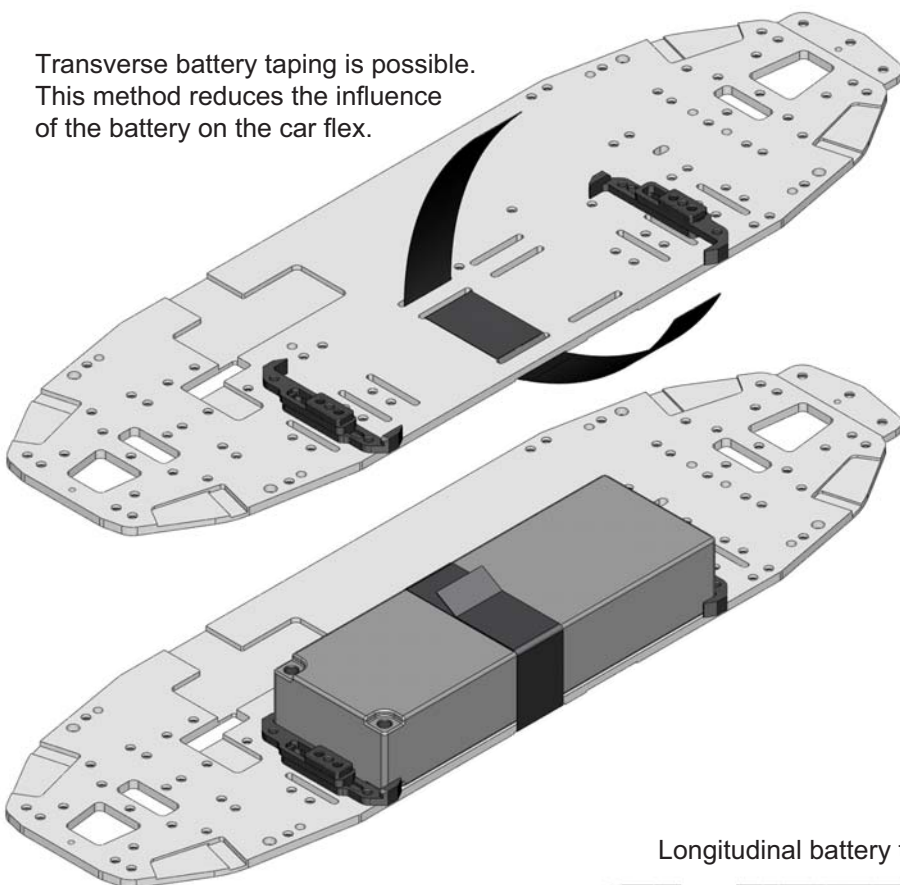
- Battery Holders adjustment:**
1. Choose the desirable battery position.
  2. Slide Battery Holders to achieve 0.2-0.6mm clearance between them and the battery.
  3. Tighten up all **SF3X10** screws to fix **AM12** Battery holders.



## BATTERY MOUNTING TECHNIQUE (cont'd)



Transverse battery taping is possible. This method reduces the influence of the battery on the car flex.



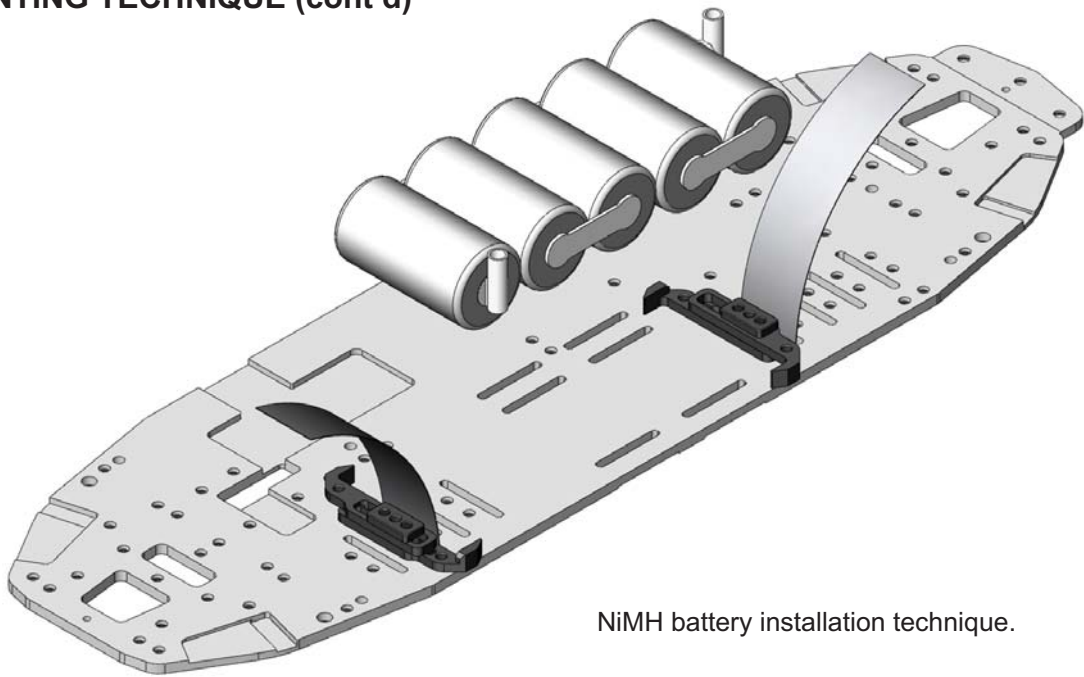
Use **SF/SS** Screw on Motor Mount as adjustable inner battery catch at **R2** position.

Longitudinal battery taping is possible also.

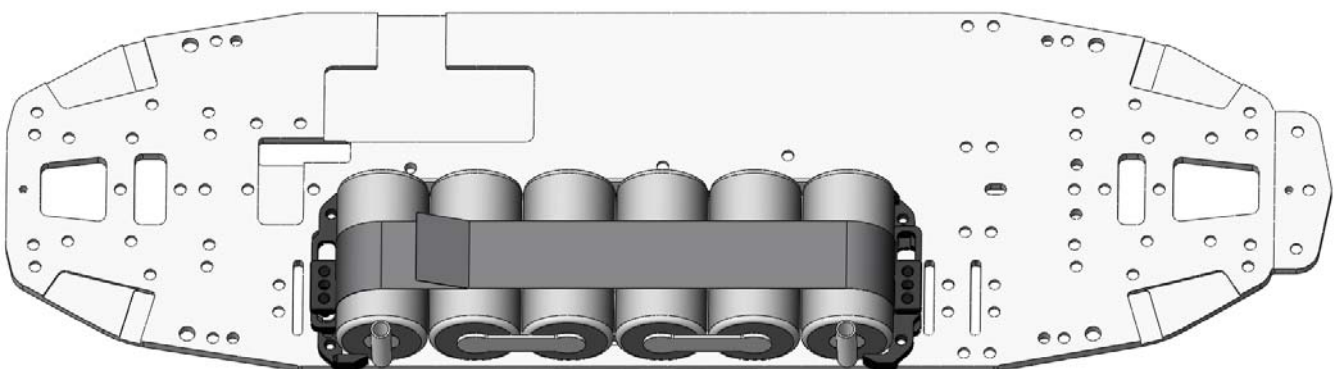
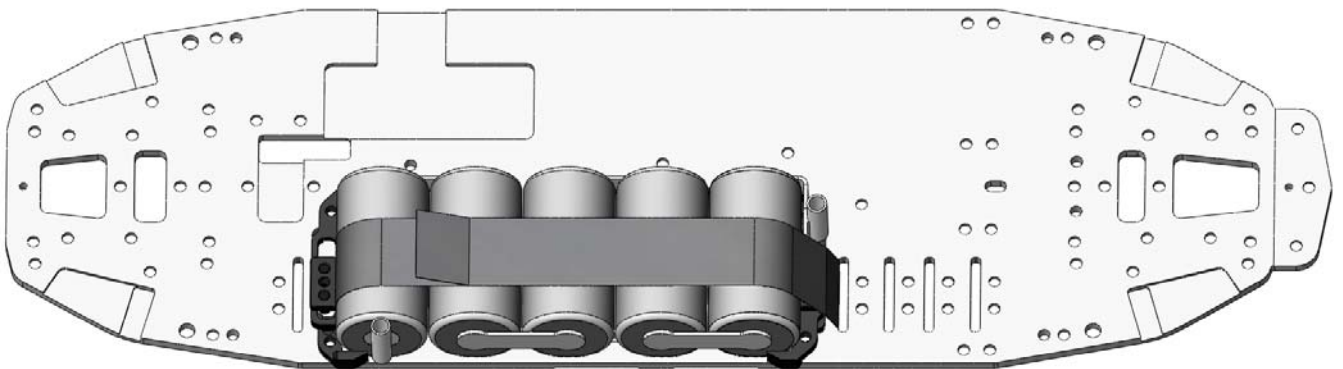
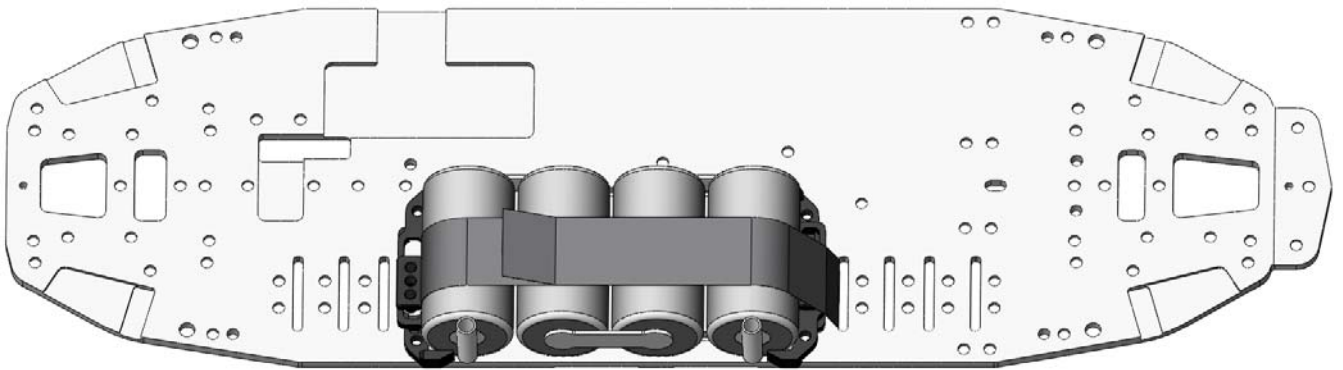




## BATTERY MOUNTING TECHNIQUE (cont'd)

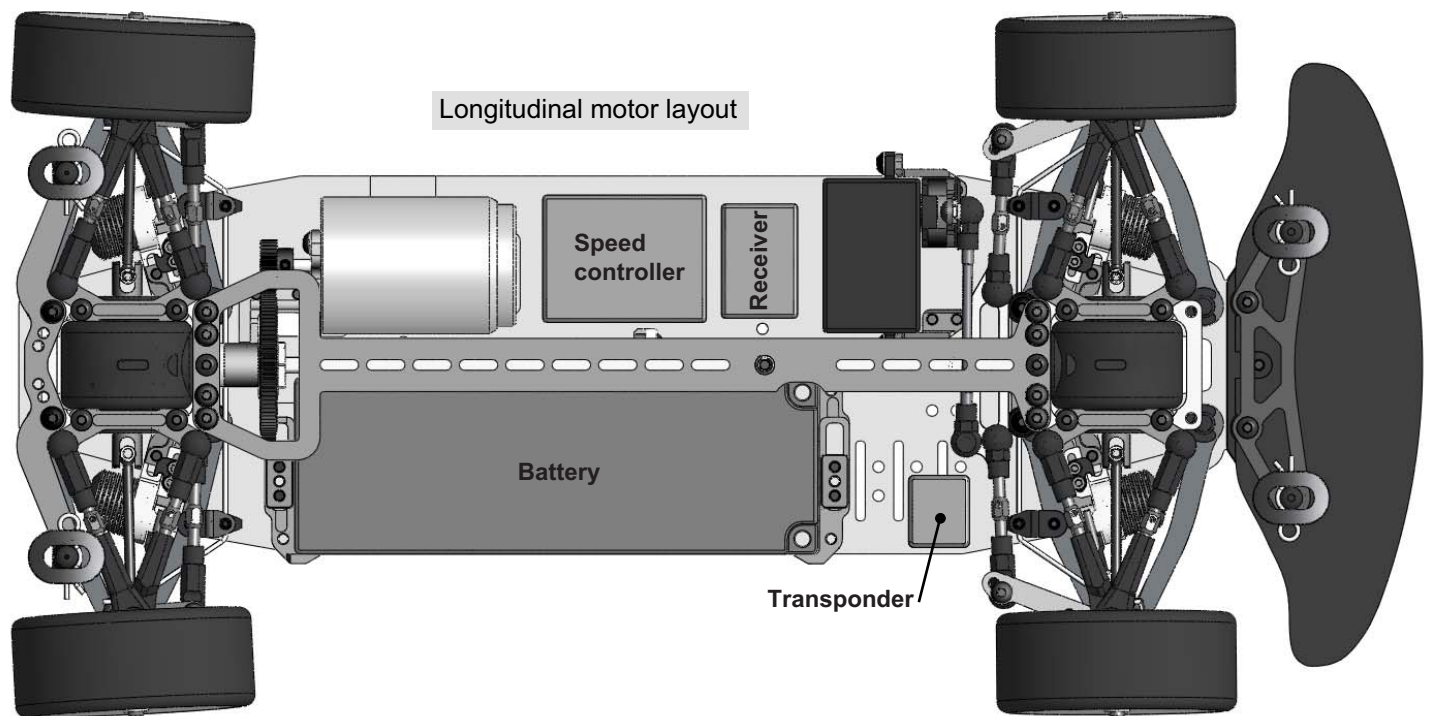
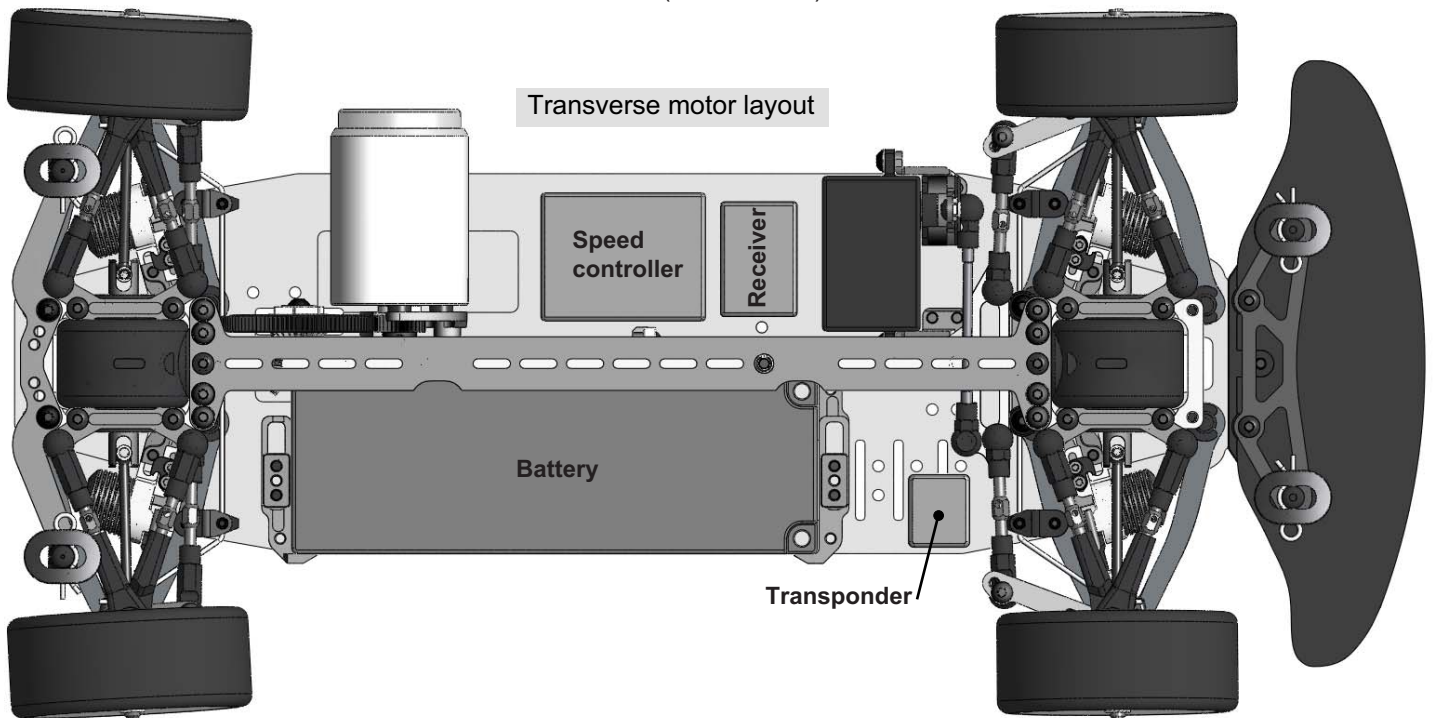


NiMH battery installation technique.



## STEP 55 FINAL ASSEMBLY

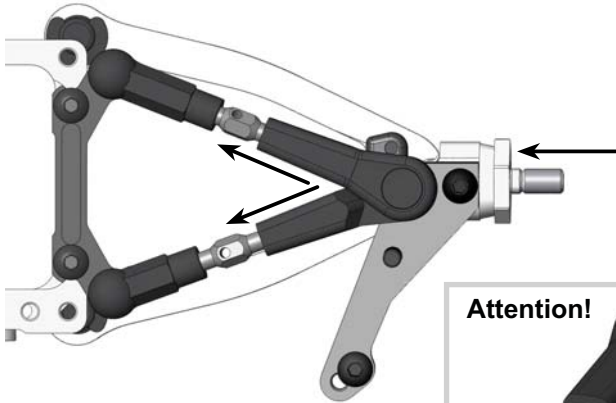
**Install:** speed controller (not included),  
receiver (not included),  
transponder (not included)  
battery (not included)  
wheels (not included)



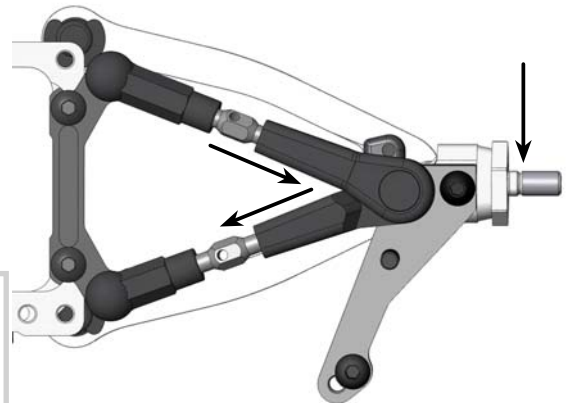
**Note:** Change spur gear without dismounting of C03 Top Deck !  
Take out AT04 Main Shaft first only.

## SUSPENSION SETTING TECHNIQUE

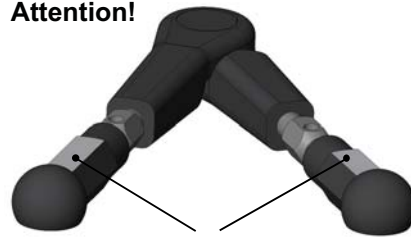
**Camber adjustment rule:** Simultaneous both upper rods 0.5mm shortening (1/2 turn of both turnbuckles) adds 1.0° of camber angle at constant caster.



**Caster adjustment rule:** Simultaneous front upper rod 0.5mm elongation and rear upper rod 0.5mm shortening adds 2.5° of caster at constant camber.



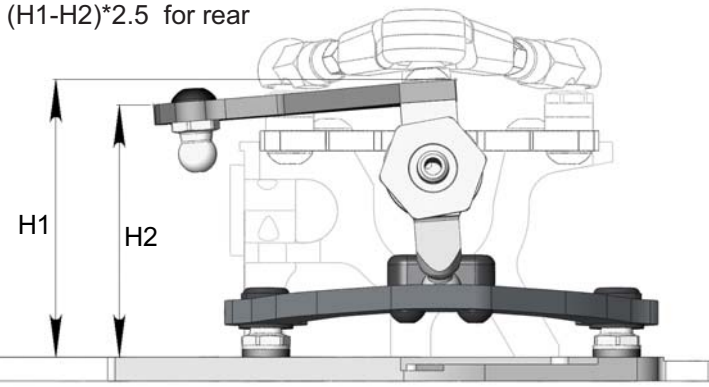
**Attention!**



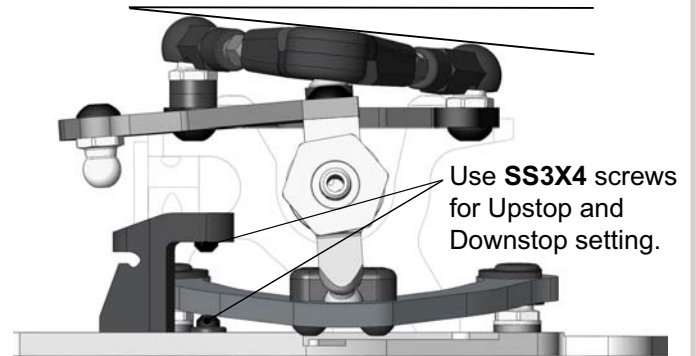
Align these faces of P13 Ball Ends after completion of all settings.

### Caster measuring:

Caster angle° =  
 $(H1-H2)*1.5$  for front  
 $(H1-H2)*2.5$  for rear

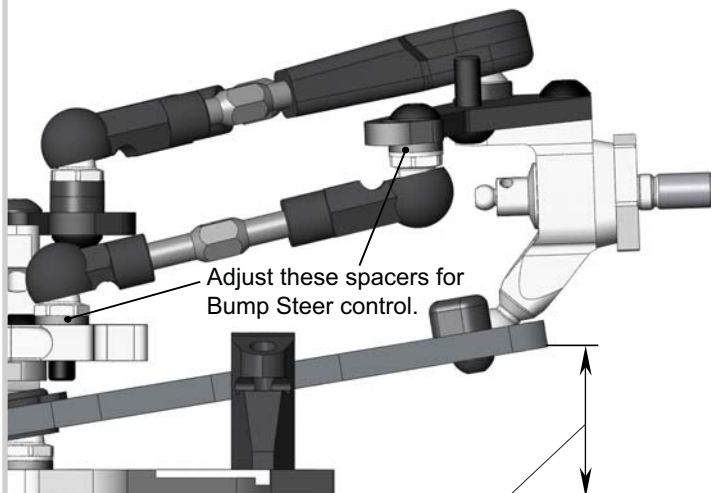


**Reactive Caster** setting is possible.



### Roll Center adjustment:

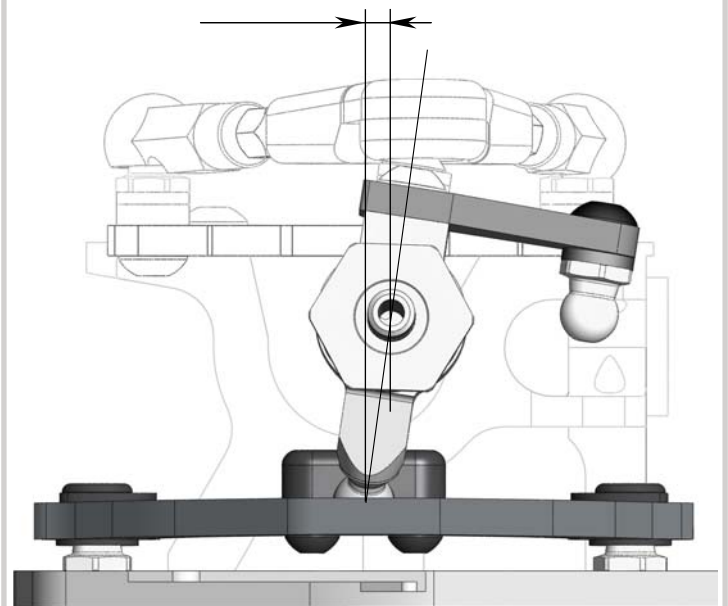
Use combinations of **SH0.5**, **SH1.0** and **SH1.75** Spacers under appropriate Pivot Balls and Ball Studs for this adjustment.



Use Ride Height Gauge for Upstop & Downstop measuring.

### Wheelbase adjustment:

Use rear suspension caster change for this adjustment. Adding 4°caster shortens wheelbase by 1mm.



## SHOCK SETTING TECHNIQUE

**Attention!** These Shocks allow to adjust the Damping and Spring rates without replacement of the shock's fluid and spring.

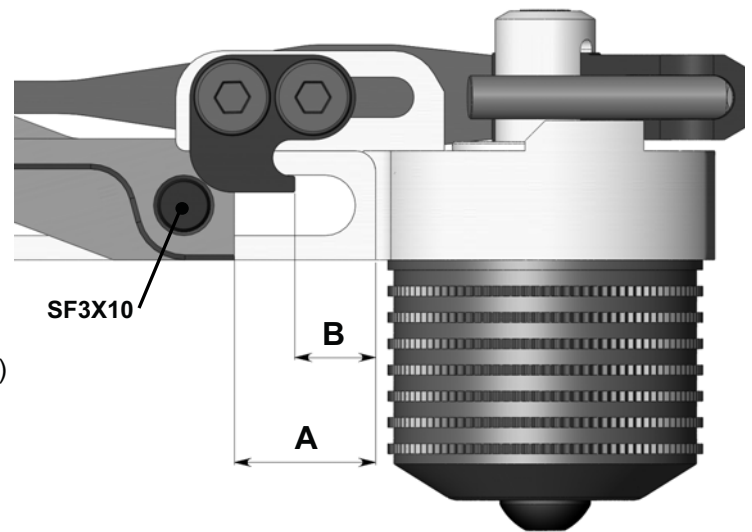
### 1. Damping and Shock Spring rate setting

Increase **A** distance (slide Shock outward) to increase Damping and Spring rates simultaneously and concordantly to each other.

Use outer **SF3X10** Flat Head Screw to unlock Shock and to lock it at desirable position.

Decrease **B** distance (slide **P09** Shock Screw Holder outward) to increase Spring rate only at the fixed Damping rate value.

Use **SRS** Spring Rating Screw to unlock Shock Screw Holder and to lock it at desirable position.



### 2. Shock Spring preload setting

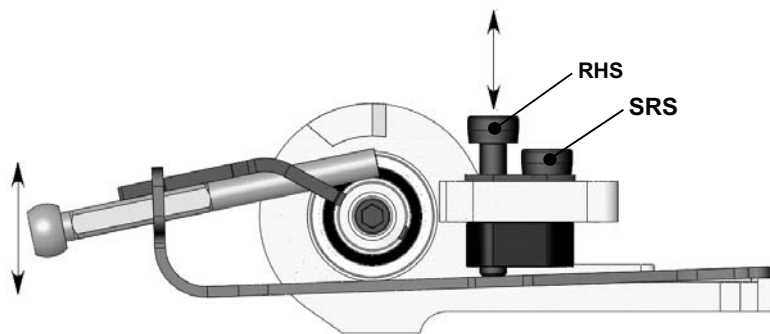
Turn IN (CW) **RHS** Screw to increase spring preload.

Turn OUT (CCW) **RHS** Screw to decrease spring preload.

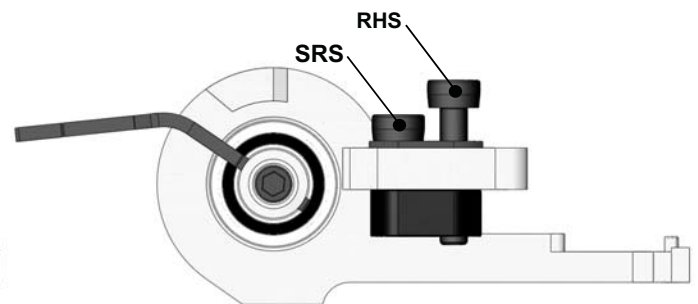
Use Spring preload setting to adjust Ride Height value.

### 3. SRS/RHS Screws arrangements change

The reverse arrangement of these screws is possible also.

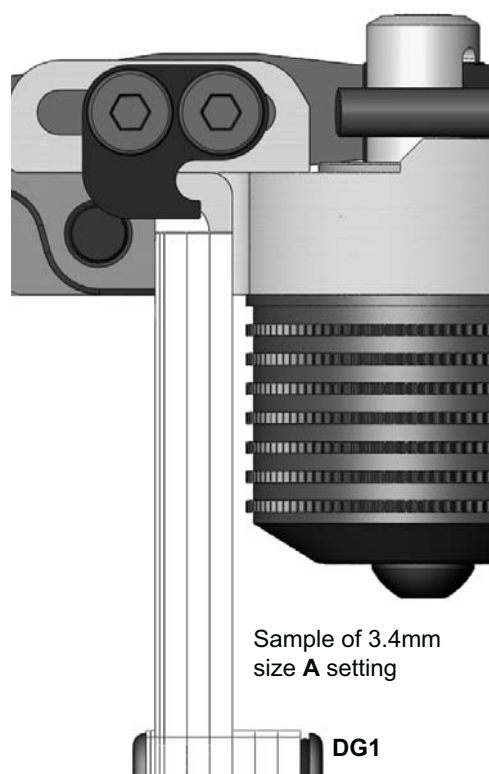
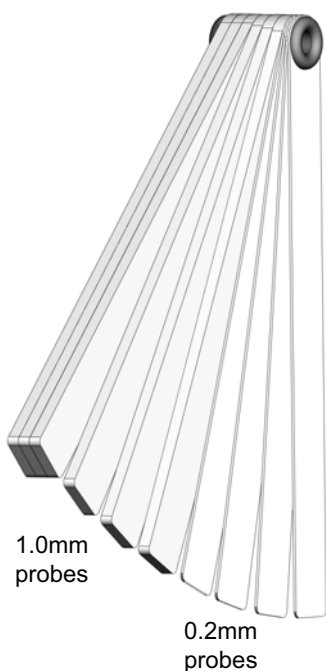


SRS/RHS Screws arrangement I



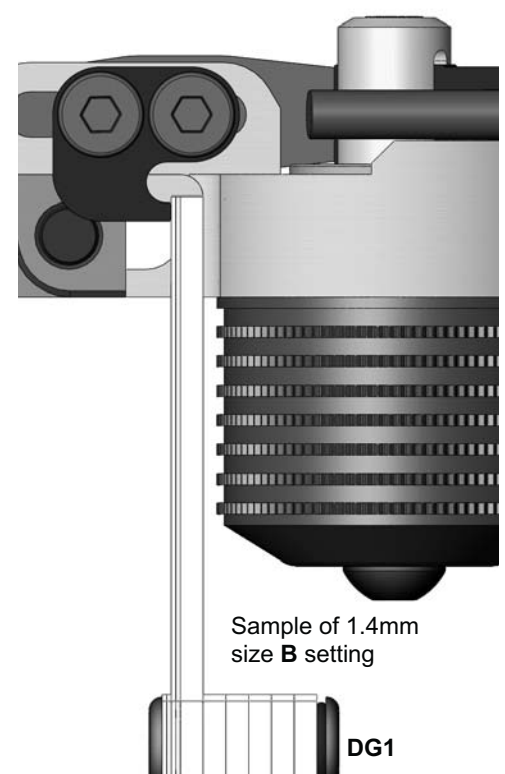
SRS/RHS Screws arrangement II

### 4. Using of DG1 Damper Gauge



Sample of 3.4mm size A setting

DG1



Sample of 1.4mm size B setting

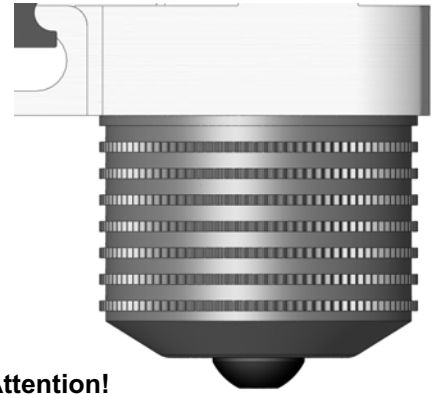
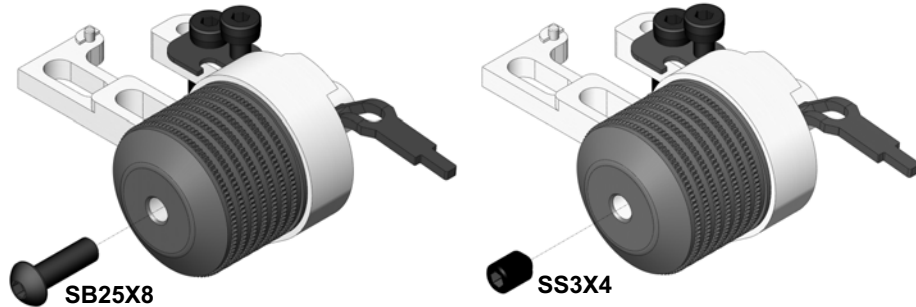
DG1

### DAMPER ACTION MODE CHANGE

There are two Damper Action Modes: symmetric and asymmetric modes. At symmetric Damper Action Mode the compression and rebound strokes are equivalent. At asymmetric Damper Action Mode the compression stroke is softer than rebound stroke.

Symmetric Damper Action Mode is factory-set. To change this mode:

1. Unscrew **SB25X8** Screw . . . . . and
2. Replace it with **SS3X4** Screw.

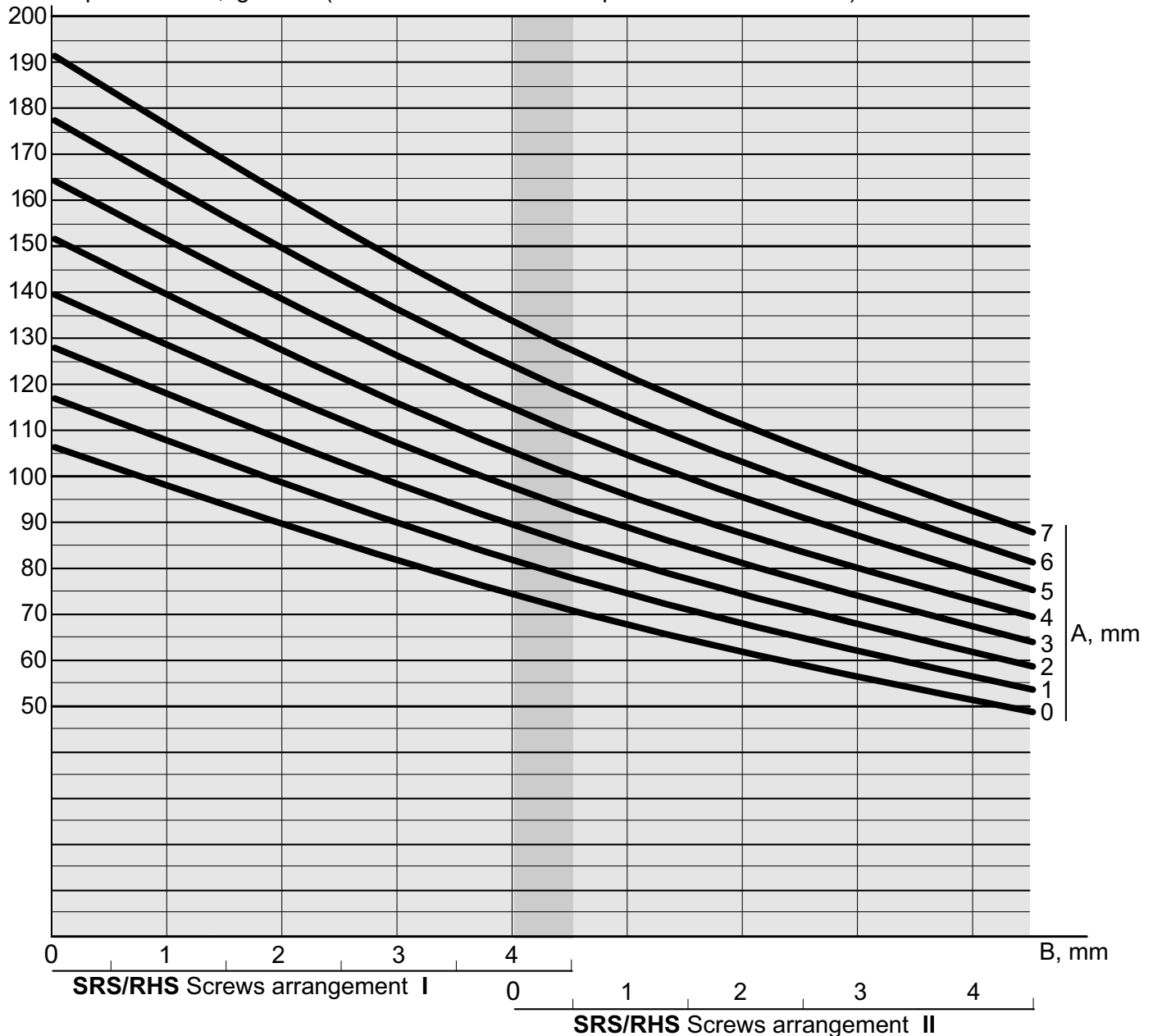


**Attention!**  
Don't tighten up **SB25X8** Screws too much.

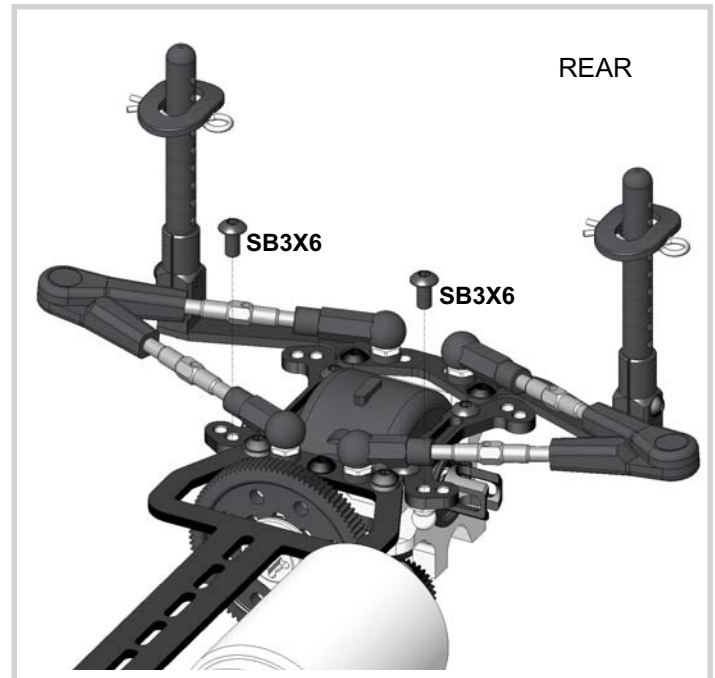
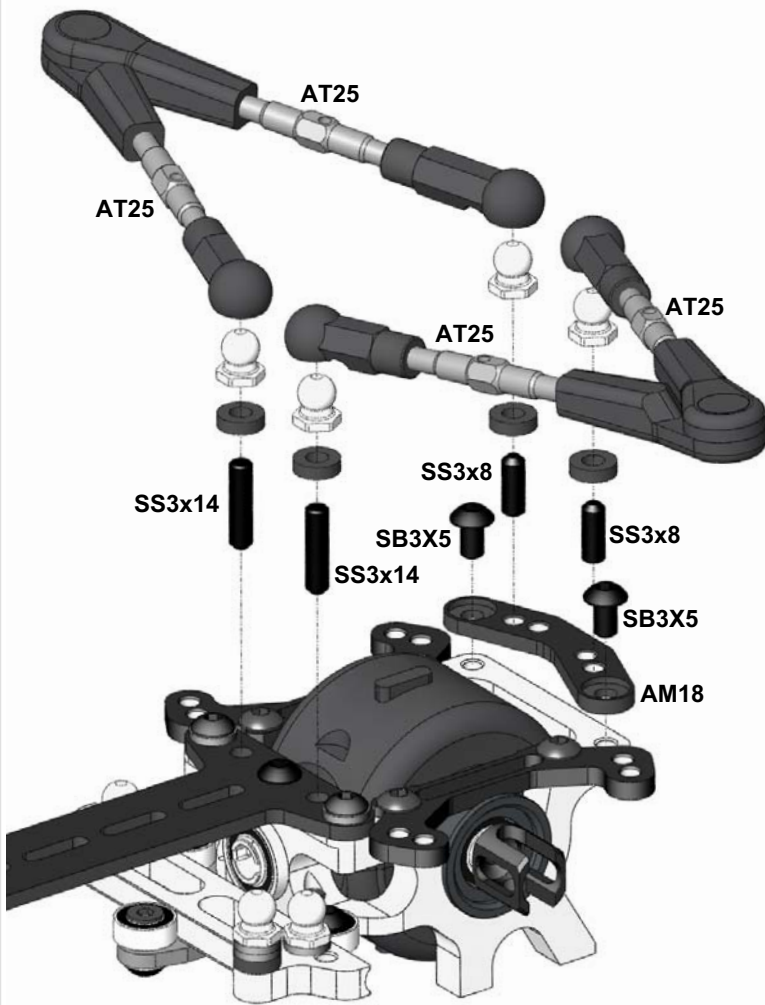
**SS3X4** M3x4 Set Screw x4

### GRAPHS OF THE SUSPENSION STIFFNESS DEPENDING ON THE POSITION OF THE DAMPER (SIZE A) AND SHOCK SCREW HOLDER (SIZE B).

Suspension rate, gF/mm (vertical force / vertical displacement of the wheel)

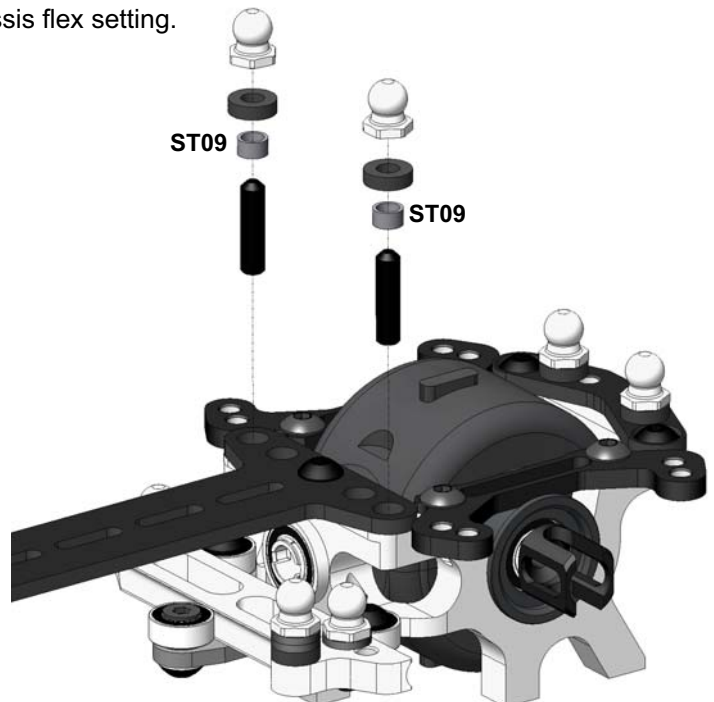
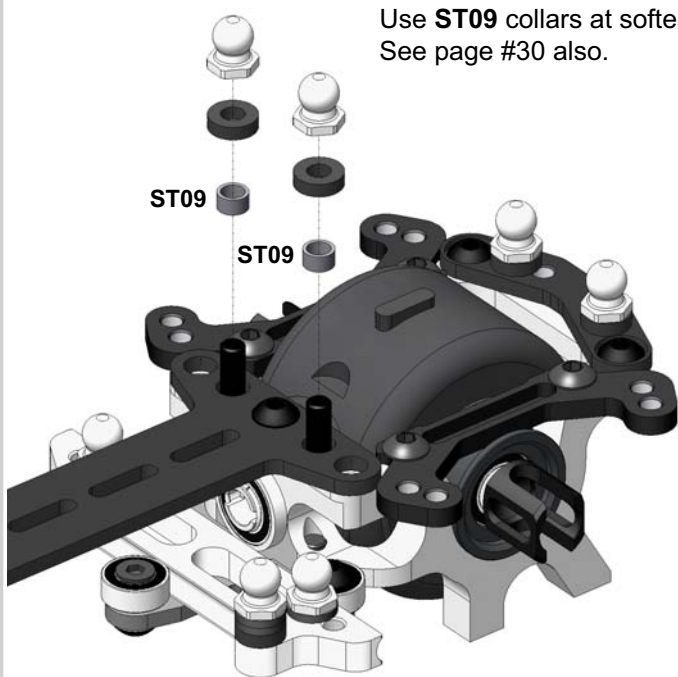


# LONG UPPER ARM SET (OPTIONAL)



	<b>SB3X6</b>	M3x6 Button Head Screw	x2
	<b>SB3X5</b>	M3x5 Button Head Screw	x2
	<b>SS3X8</b>	Set Screw	x4
	<b>SS3X14</b>	Set Screw	x8
	<b>ST09</b>	Upper Collar	x4
	<b>AM18</b>	Front Holder	x1
	<b>AT25</b>	Turnbuckle Long	x8

Use **ST09** collars at softest chassis flex setting.  
See page #30 also.





# FINAL DRIVE RATIO CHART (cont'd)

## FOR LONGITUDINAL MOTOR LAYOUT ( 2,08 DRIVE TRAIN RATIO )

		64 PITCH SPUR GEAR																														
		70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98		
PINION SIZE	18																													11,32		
	19																												10,62	10,73		
	20																											9,98	10,09	10,19		
	21																										9,41	9,51	9,61	9,71		
	22																									8,89	8,98	9,08	9,17	9,27		
	23																								8,41	8,50	8,59	8,68	8,77	8,86		
	24																								7,97	8,06	8,15	8,23	8,32	8,41	8,49	
	25																							7,57	7,65	7,74	7,82	7,90	7,99	8,07	8,15	
	26																							7,20	7,28	7,36	7,44	7,52	7,60	7,68	7,76	7,84
	27																				6,86	6,93	7,01	7,09	7,16	7,24	7,32	7,40	7,47	7,55		
	28																				6,54	6,61	6,69	6,76	6,83	6,91	6,98	7,06	7,13	7,21	7,28	
	29																				6,24	6,31	6,38	6,46	6,53	6,60	6,67	6,74	6,81	6,89	6,96	7,03
	30																	5,96	6,03	6,10	6,17	6,24	6,31	6,38	6,45	6,52	6,59	6,66	6,73	6,79		
	31																5,70	5,77	5,84	5,90	5,97	6,04	6,11	6,17	6,24	6,31	6,37	6,44	6,51	6,58		
	32															5,46	5,53	5,59	5,66	5,72	5,79	5,85	5,92	5,98	6,05	6,11	6,18	6,24	6,31	6,37		
	33														5,23	5,29	5,36	5,42	5,48	5,55	5,61	5,67	5,74	5,80	5,86	5,92	5,99	6,05	6,11	6,18		
	34														5,02	5,08	5,14	5,20	5,26	5,32	5,38	5,44	5,51	5,57	5,63	5,69	5,75	5,81	5,87	5,93	6,00	
	35													4,81	4,87	4,93	4,99	5,05	5,11	5,17	5,23	5,29	5,35	5,41	5,47	5,53	5,59	5,65	5,71	5,76		
	36												4,62	4,68	4,74	4,80	4,85	4,91	4,97	5,03	5,08	5,14	5,20	5,26	5,32	5,37	5,43	5,49	5,55			
	37											4,44	4,50	4,55	4,61	4,67	4,72	4,78	4,83	4,89	4,95	5,00	5,06	5,12	5,17	5,23	5,28	5,34				
	38										4,27	4,32	4,38	4,43	4,49	4,54	4,60	4,65	4,71	4,76	4,82	4,87	4,93	4,98	5,04	5,09	5,15					
	39								4,11	4,16	4,21	4,27	4,32	4,37	4,43	4,48	4,53	4,59	4,64	4,69	4,75	4,80	4,85	4,91	4,96							
	40							3,95	4,00	4,06	4,11	4,16	4,21	4,26	4,32	4,37	4,42	4,47	4,52	4,58	4,63	4,68	4,73	4,78								
	41						3,80	3,86	3,91	3,96	4,01	4,06	4,11	4,16	4,21	4,26	4,31	4,36	4,41	4,46	4,52	4,57	4,62									
	42					3,66	3,71	3,76	3,81	3,86	3,91	3,96	4,01	4,06	4,11	4,16	4,21	4,26	4,31	4,36	4,41	4,46										
	43				3,53	3,58	3,63	3,68	3,72	3,77	3,82	3,87	3,92	3,97	4,01	4,06	4,11	4,16	4,21	4,26	4,31											
	44			3,40	3,45	3,50	3,55	3,59	3,64	3,69	3,73	3,78	3,83	3,88	3,92	3,97	4,02	4,07	4,11	4,16												
	45		3,28	3,33	3,37	3,42	3,47	3,51	3,56	3,61	3,65	3,70	3,74	3,79	3,84	3,88	3,93	3,98	4,02													
	46	3,17	3,21	3,26	3,30	3,35	3,39	3,44	3,48	3,53	3,57	3,62	3,66	3,71	3,75	3,80	3,84	3,89														
	47	3,10	3,14	3,19	3,23	3,27	3,32	3,36	3,41	3,45	3,50	3,54	3,58	3,63	3,67	3,72	3,76															
	48	3,03	3,08	3,12	3,16	3,21	3,25	3,29	3,34	3,38	3,42	3,47	3,51	3,55	3,60	3,64																
49	2,97	3,01	3,06	3,10	3,14	3,18	3,23	3,27	3,31	3,35	3,40	3,44	3,48	3,52																		
50	2,91	2,95	3,00	3,04	3,08	3,12	3,16	3,20	3,24	3,29	3,33	3,37	3,41																			

		48 PITCH SPUR GEAR																																
		50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73									
PINION SIZE	14																								10,85									
	15																							9,98	10,12									
	16																						9,23	9,36	9,49									
	17																						8,56	8,69	8,81	8,93								
	18																						7,97	8,09	8,20	8,32	8,44							
	19																						7,44	7,55	7,66	7,77	7,88	7,99						
	20																						6,97	7,07	7,18	7,28	7,38	7,49	7,59					
	21																						6,54	6,64	6,74	6,83	6,93	7,03	7,13	7,23				
	22																						6,15	6,24	6,33	6,43	6,52	6,62	6,71	6,81	6,90			
	23																						5,79	5,88	5,97	6,06	6,15	6,24	6,33	6,42	6,51	6,60		
	24																						5,46	5,55	5,63	5,72	5,81	5,89	5,98	6,07	6,15	6,24	6,33	
	25																						5,16	5,24	5,32	5,41	5,49	5,57	5,66	5,74	5,82	5,91	5,99	6,07
	26																						4,88	4,96	5,04	5,12	5,20	5,28	5,36	5,44	5,52	5,60	5,68	5,76
	27																						4,62	4,70	4,78	4,85	4,93	5,01	5,08	5,16	5,24	5,32	5,39	5,47
	28																						4,38	4,46	4,53	4,61	4,68	4,75	4,83	4,90	4,98	5,05	5,13	5,20
	29																						4,16	4,23	4,30	4,38	4,45	4,52	4,59	4,66	4,73	4,81	4,88	4,95
	30																						3,95	4,02	4,09	4,16	4,23	4,30	4,37	4,44	4,51	4,58	4,65	4,71
	31																						3,76	3,82	3,89	3,96	4,03	4,09	4,16	4,23	4,29	4,36	4,43	4,50
	32																						3,58	3,64	3,71	3,77	3,84	3,90	3,97	4,03	4,10	4,16	4,23	4,29
	33																						3,40	3,47	3,53	3,59	3,66	3,72	3,78	3,84	3,91	3,97	4,03	4,10
	34																						3,24	3,30	3,36	3,43	3,49	3,55	3,61	3,67	3,73	3,79	3,85	3,92
	35																						3,09	3,15	3,21	3,27	3,33	3,39	3,45	3,51	3,57	3,63	3,68	3,74
	36																						2,95	3,00	3,06	3,12	3,18	3,24	3,29	3,35	3,41	3,47	3,52	3,58
	37	2,81	2,87	2,92	2,98	3,04	3,09	3,15	3,20	3,26	3,32	3,37	3,43																					

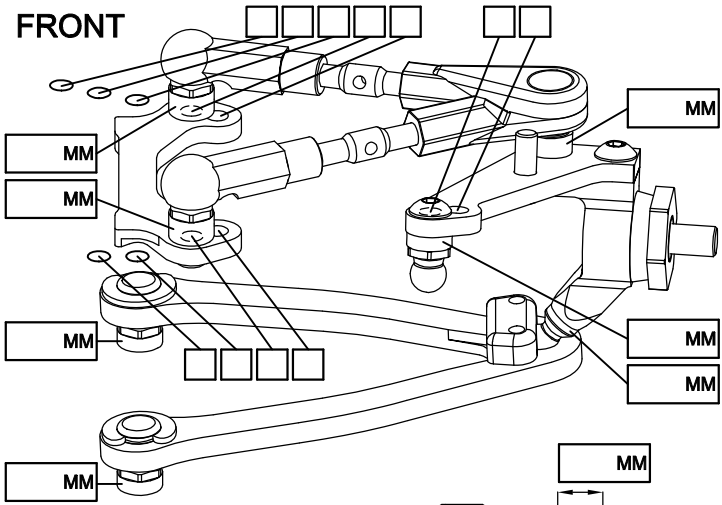


NAME \_\_\_\_\_  
 COUNTRY \_\_\_\_\_  
 RACE \_\_\_\_\_  
 TRACK \_\_\_\_\_

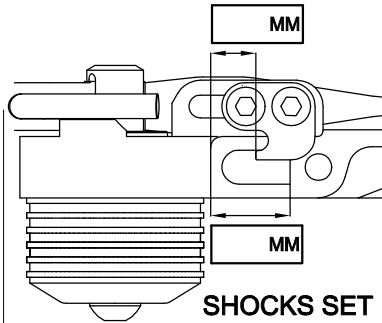
## SETUP SHEET

DATE \_\_\_\_\_ TEMP.°C AIR / TRACK \_\_\_\_\_ /  
 CARPET  ASPHALT   
 TRACK CONDITION TECHNICAL  MIXED  FAST   
 TRACTION LOW  MEDIUM  HIGH

### FRONT



CAMBER ANGLE / ° \_\_\_\_\_  
 CASTER ANGLE / ° \_\_\_\_\_  
 TOE ANGLE / ° \_\_\_\_\_  
 RIDE HEIGHT / MM \_\_\_\_\_  
 DOWNSTOP / MM \_\_\_\_\_  
 UPSTOP / MM \_\_\_\_\_

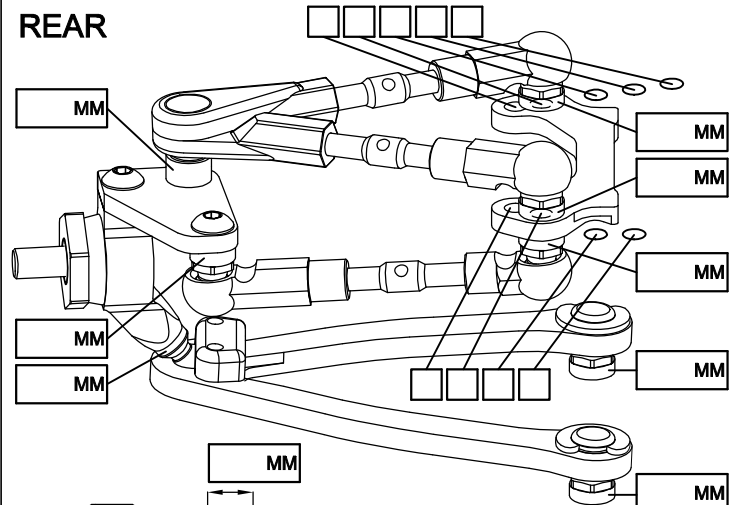


#### SHOCKS SET

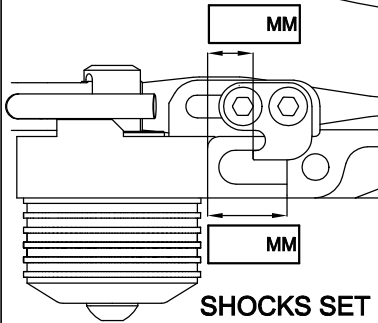
STABILIZER Ø / MM \_\_\_\_\_  
 LOW ARM STD  \_\_\_\_\_  
 STEERING ARM STD  \_\_\_\_\_  
 WHEEL SPACER / MM \_\_\_\_\_  
 FRONT DRIVE BALL DIFF  GEAR DIFF  SPOOL  ONE-WAY   
 DIFF SET LOOSE  MEDIUM  TIGHT  OIL  # \_\_\_\_\_  
 DOGBONE DRIVE BUSHING  C-DRIVE  BB  EVD

SPRING STD  \_\_\_\_\_  
 DAMPER STD  \_\_\_\_\_  
 ACTION SYM.  ASYM.   
 SRS/RHS ARR. I  II

### REAR



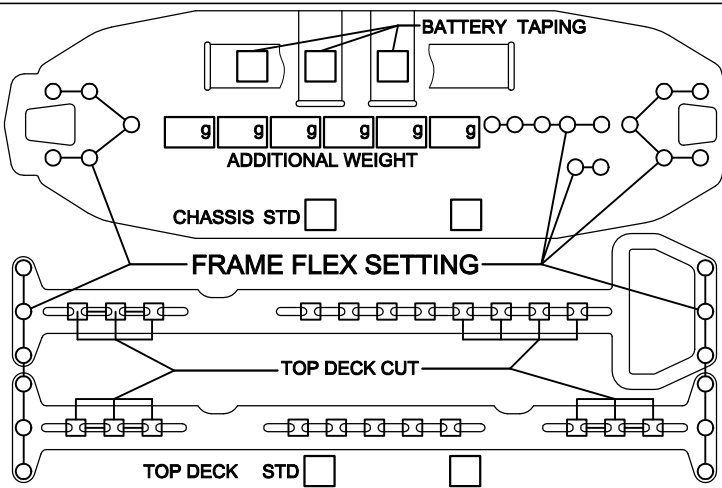
CAMBER ANGLE / ° \_\_\_\_\_  
 CASTER ANGLE / ° \_\_\_\_\_  
 TOE ANGLE / ° \_\_\_\_\_  
 RIDE HEIGHT / MM \_\_\_\_\_  
 DOWNSTOP / MM \_\_\_\_\_  
 UPSTOP / MM \_\_\_\_\_



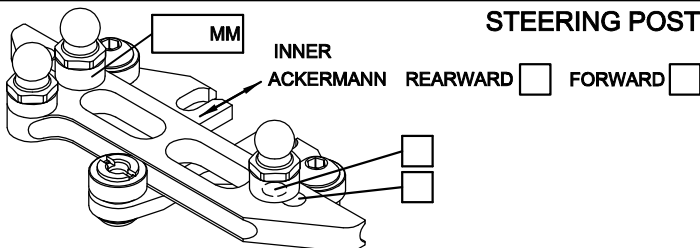
#### SHOCKS SET

STABILIZER Ø / MM \_\_\_\_\_  
 LOW ARM STD  \_\_\_\_\_  
 STEERING ARM STD  \_\_\_\_\_  
 WHEEL SPACER / MM \_\_\_\_\_  
 REAR DRIVE BALL DIFF  GEAR DIFF   
 DIFF SET LOOSE  MEDIUM  TIGHT  OIL  # \_\_\_\_\_  
 DOGBONE DRIVE BUSHING  C-DRIVE  BB  EVD

SPRING STD  \_\_\_\_\_  
 DAMPER STD  \_\_\_\_\_  
 ACTION SYM.  ASYM.   
 SRS/RHS ARR. I  II



### STEERING POST



FL	FR	RL	RR	TIRES	FRONT	REAR
				BRAND		
				INSERTS		
				WHEELS		
				ADDITIVE		

MOTOR LAYOUT LONG.  TRANS.  MOTOR \_\_\_\_\_  
 SERVO LAYOUT LEFT  RIGHT  SERVO \_\_\_\_\_  
 ESC LAYOUT LEFT  RIGHT  ESC \_\_\_\_\_  
 BAT. LAYOUT R1  R2  F1  F2  BATTERY \_\_\_\_\_  
 SPUR PINION RECEIVER \_\_\_\_\_  
 FINAL DRIVE RATIO MOTOR OFFSET / MM \_\_\_\_\_  
 BODY WING \_\_\_\_\_

BEST LAP TIME \_\_\_\_\_ QUALIF. / FINAL POSITION \_\_\_\_\_ /  
 ESC SETTING \_\_\_\_\_  
 COMMENTS / IMPRESSIONS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 CONTACT \_\_\_\_\_

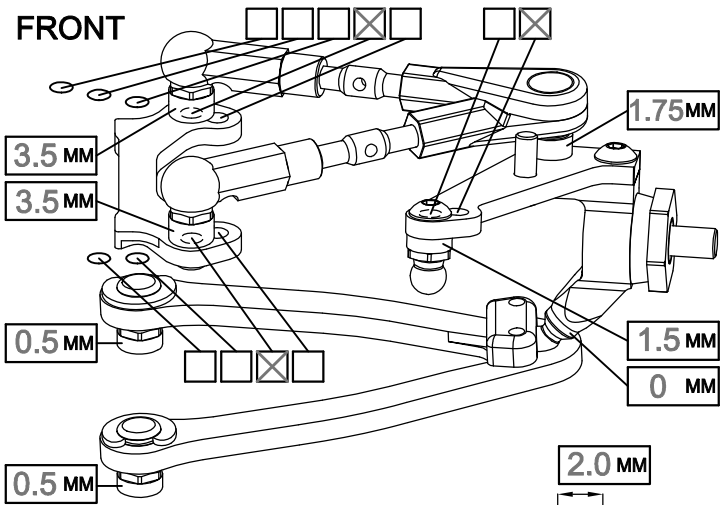
# AWESONIX® A700

NAME standard initial setup  
 COUNTRY \_\_\_\_\_  
 RACE \_\_\_\_\_  
 TRACK \_\_\_\_\_

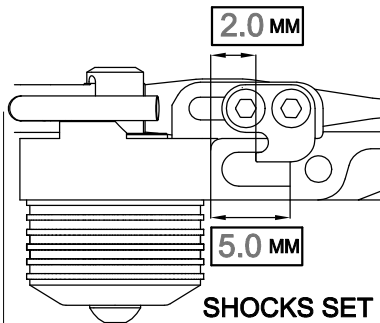
## SETUP SHEET

DATE \_\_\_\_\_ TEMP.°C AIR / TRACK \_\_\_\_\_ /  
 TRACK CONDITION TECHNICAL  CARPET  ASPHALT   
 MIXED  FAST   
 TRACTION LOW  MEDIUM  HIGH

### FRONT



CAMBER ANGLE / ° 1.5  
 CASTER ANGLE / ° 4.0  
 TOE ANGLE / ° 0.0  
 RIDE HEIGHT / MM 5.0  
 DOWNSTOP / MM 6.0  
 UPSTOP / MM 16.0

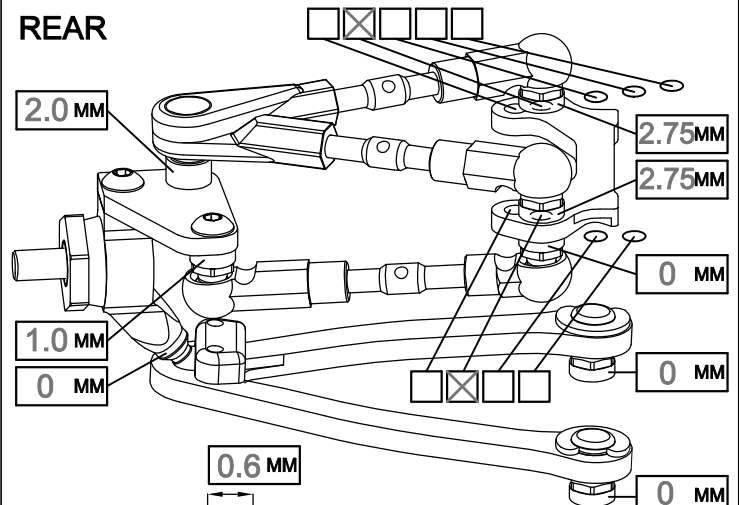


#### SHOCKS SET

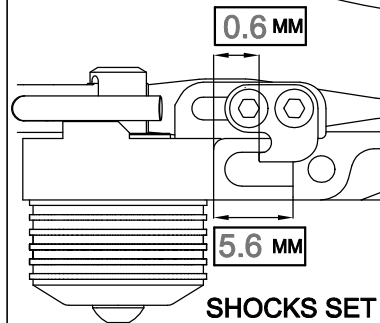
STABILIZER Ø / MM 0  
 LOW ARM STD    
 STEERING ARM STD    
 WHEEL SPACER / MM 0  
 FRONT DRIVE BALL DIFF  GEAR DIFF  SPOOL  ONE-WAY   
 DIFF SET LOOSE  MEDIUM  TIGHT  OIL  # \_\_\_\_\_  
 DOGBONE DRIVE BUSHING  C-DRIVE  BB  EVD

SPRING STD    
 DAMPER STD    
 ACTION SYM.  ASYM.   
 SRS/RHS ARR. I  II

### REAR



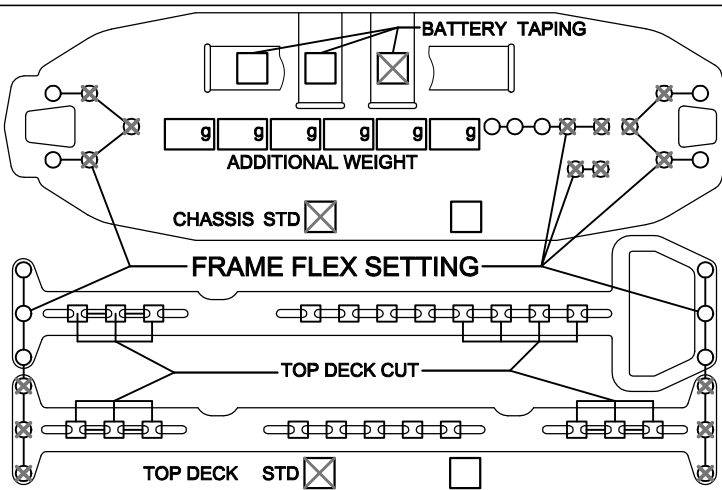
CAMBER ANGLE / ° 1.5  
 CASTER ANGLE / ° -2.5  
 TOE ANGLE / ° 3.0  
 RIDE HEIGHT / MM 5.2  
 DOWNSTOP / MM 5.0  
 UPSTOP / MM 16.0



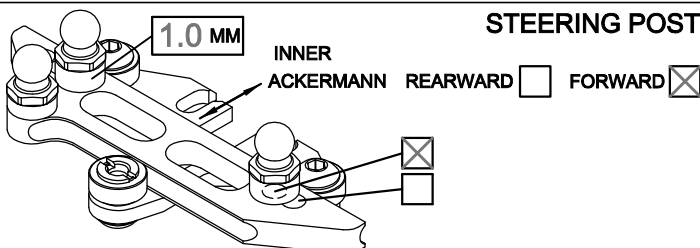
#### SHOCKS SET

STABILIZER Ø / MM 0  
 LOW ARM STD    
 STEERING ARM STD    
 WHEEL SPACER / MM 0  
 REAR DRIVE BALL DIFF  GEAR DIFF   
 DIFF SET LOOSE  MEDIUM  TIGHT  OIL  # 1000  
 DOGBONE DRIVE BUSHING  C-DRIVE  BB  EVD

SPRING STD    
 DAMPER STD    
 ACTION SYM.  ASYM.   
 SRS/RHS ARR. I  II



### STEERING POST



FL	FR	RL	RR	TIRES	FRONT	REAR
				BRAND		
				INSERTS		
				WHEELS		
				ADDITIVE		

MOTOR LAYOUT LONG.  TRANS.  MOTOR \_\_\_\_\_  
 SERVO LAYOUT LEFT  RIGHT  SERVO LOW PROF.  
 ESC LAYOUT LEFT  RIGHT  ESC \_\_\_\_\_  
 BAT. LAYOUT R1  R2  F1  F2  BATTERY \_\_\_\_\_  
 SPUR PINION RECEIVER \_\_\_\_\_  
 FINAL DRIVE RATIO MOTOR OFFSET / MM 0  
 BODY WING \_\_\_\_\_

BEST LAP TIME \_\_\_\_\_ QUALIF. / FINAL POSITION \_\_\_\_\_ /  
 ESC SETTING \_\_\_\_\_  
 COMMENTS / IMPRESSIONS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 CONTACT \_\_\_\_\_

## Standard Spare Parts

Parts#	Description
AM01	Gear Box
AM02	Rear Bar
AM03	Motor Mount L
AM04	Motor Mount T
AM05	Rear Holder
AM06	Steering Block
AM07R	Servo Holder Right
AM07L	Servo Holder Left
AM08	Shocks Holder
AM09	Steering Rod
AM10	Steering Plate
AM11	Tower
AM12	Battery Holder
AM13	Spur Holder
AM14	Steering Arm
AM15	Battery Nut
AM16	Servo Saver Arm
AM19	Upper Arm Holder
AT03	Spool Axle
AT04	Main Shaft
AT06	Antenna Holder
AT12	Spur Nut
AT13	Wheel Hex
AT14	Turnbuckle
AT15	Bearing Spacer
AT20	Spur Axle
AT21	Pivot Ball
AT22	Rear Body Holder
AT23	GD Case1
AT24	GD Case2
DT02	Bearing Housing
ST01	Front Axle
ST02	Rear Axle
ST03	Ball Stud
ST05	Shock Rod
ST06	Gear Axle
ST07	Outdrive
ST08	Steering Nut
ST09	Upper Collar
ST10	2mm Pin
ST13	Front Universal Bone
ST14	Rear Universal Bone
ST16	U-Joint Cross
ST17	Universal Ring
ST20	GD Shaft
ST21	Servo Rod
P01	Ball Joint1
P02	Ball Joint2
P03	Arm Ball Cap
P04	Arm Hasp
P05	Sway Bar Joint
P06	Downstop Collar
P07	Arm Clip
P08	C-Drive
P09	Shock Screw Holder
P10	Diff Cover
P11	Gear Tube
P12	Sway Bar Holder
P13	Ball Ends Set
P14	Bumper Set
P15	Foam Bumper
P16	Lock Ring
P17	Plastic Cross
SS01	Servo Saver Set
DG1	Damper Gauge
C01	STD Lower Deck
C02	Top Deck L
C03	Top Deck T
C04	Suspension Arm
C05	Rear Steering Arm
C07	Carbon Bumper
SWB10	Sway Bar 1.0mm
SWB11	Sway Bar 1.1mm
SWB12	Sway Bar 1.2mm
SWB13	Sway Bar 1.3mm

Parts#	Description
DL1	STD Damper Left
DR1	STD Damper Right
SPR01	STD Shock Spring
SPR02	Shock Rod Guide
SPR03	Shock Pointer
SPR05	Body Clip
SPR06	Wire Ring
SPR07	E-Ring
G01	22T Bevel Gear
G02	27T Bevel Gear
G03	25T Bevel Gear
G05	20T Plastic Gear
G06	10T Plastic Gear
B106RS	MR106RS Bearing
B85	MR85 Bearing
B84RS	MR84RS Bearing
BF85RS	MF85RS Bearing
B74RS	MR74RS Bearing
PIN01	1.5x7.8 Pin
PIN02	1.5x5.8 Pin
OR05	GD O-Ring
OR03	11mm O-Ring
SH0.1	6x8x0.1mm Shim
SH0.5	6x3x0.5mm Spacer (Silver)
SH1.0	6x3x1.0mm Spacer (Gray)
SH1.75	6x3x1.75mm Spacer (Black)
SS3X3	M3x3 Set Screw
SS3X4	M3x4 Set Screw
SS3X5	M3x5 Set Screw
SS3X12	M3x12 Set Screw
SS3X14	M3x14 Set Screw
SRS	Spring Rating Screw
RHS	Ride Height Screw
SB25X8	M2.5x8 Button Head Screw
SB3X5	M3x5 Button Head Screw
SB3X6	M3x6 Button Head Screw
SB3X10	M3x10 Button Head Screw
SF3X5	M3x5 Flat Head Screw
SF3X6	M3x6 Flat Head Screw
SF3X8	M3x8 Flat Head Screw
SF3X10	M3x10 Flat Head Screw

## Optional parts

LA1	Long Upper Arm Set
AM18	Front Holder
AT25	Turnbuckle Long
SS3X8	M3x8 Set Screw
GD1	Gear Diff Set
BD1	Ball Diff Set
AT01	DiffCase1
AT02	Diff Case2
ST04	Diff Nut
ST15	Diff Ring
ST18	Diff Axle1
ST19	Diff Axle2
DT01	Diff Cage
DT06	Diff Stop
TB38M	F3-8M Thrust Bearing
B2.4	2.4mm Ball
SPR04	Diff Spring
OR02	BD O-Ring
OR04	14mm O-Ring
OW1	One-Way Axle Set
AT05	OW Housing
ST22	OW Outdrive
BF1015RS	F6700RS Bearing
ST11	Bushing R
ST12	Bushing S
P18/19	Ball Joint S Set
DC-S	Diff Covers S Set



**AWESOMATIX INNOVATIONS LLP  
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RUSSIA - UNITED KINGDOM**

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