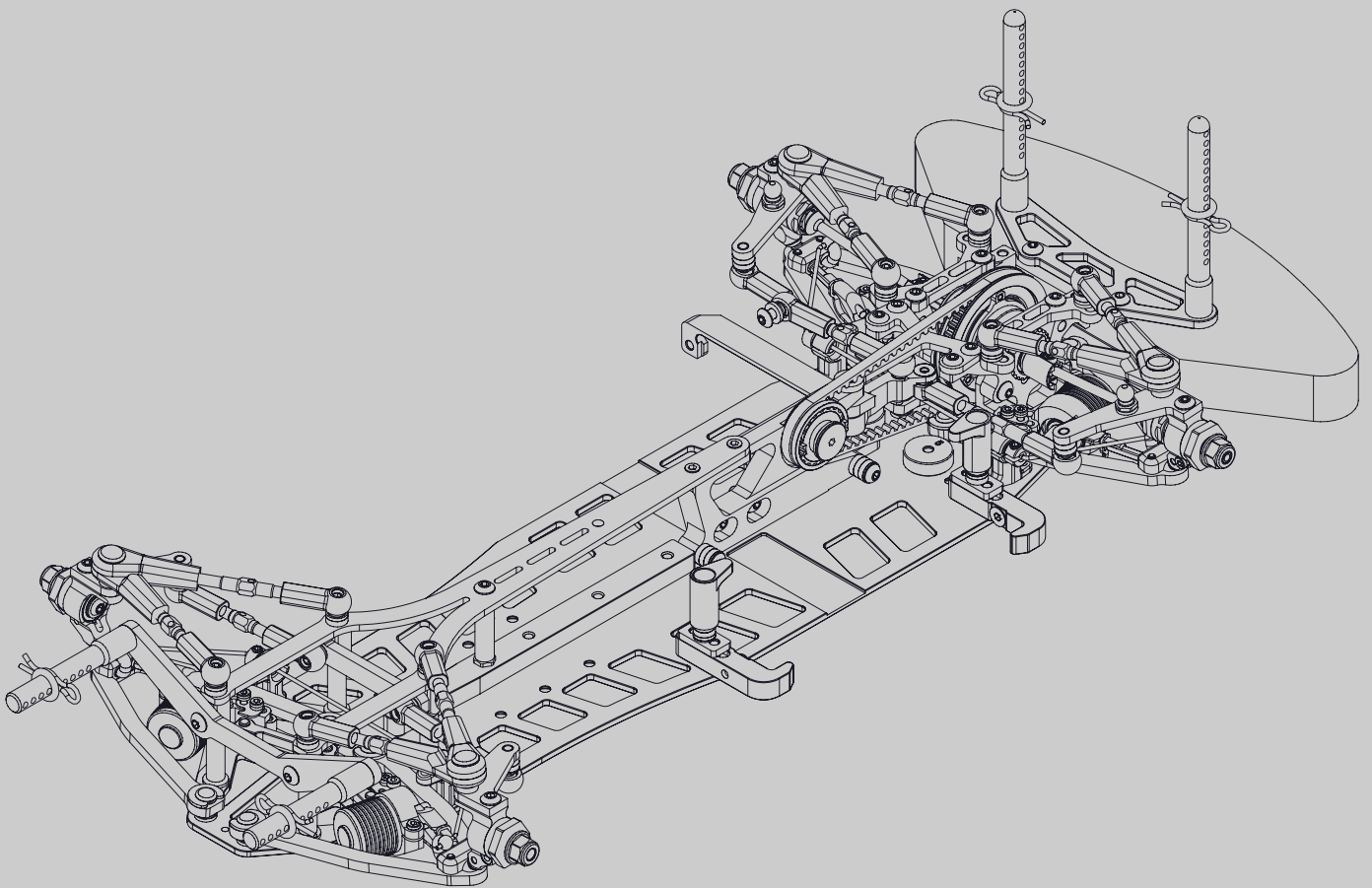


# **A800FX Evo**

**1/10-SCALE FRONT-WHEEL DRIVE TOURING CAR**



## **INSTRUCTION MANUAL**

## INTRODUCTION

Congratulations on purchasing your Awesomatix car!

The A800FX Evo car was produced by UAB Awesomatix company.

The A800FX Evo car utilises many unique features, including some patented innovations.

The car is released in two versions: A800FXA Evo with an aluminium alloy lower deck and A800FXC Evo with the carbon fiber lower deck.

## BEFORE YOU START

The A800FX Evo car is the high-quality, innovative 1/10-scale front-wheel drive 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 A800FX Evo car you must not begin assembly.

Your A800FX Evo car cannot be returned to UAB Awesomatix 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 A800FX Evo car is designed for use on r/c car race tracks. It should not be used in general public areas.

Awesomatix Innovations 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 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 A800FX Evo 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 are they correct size/length. You can find the useful tips and pictures of A800FX Evo assembling on the Internet site: <https://site.petitrc.com/reglages/awesomatix/setupa800fx/>

## 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 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.

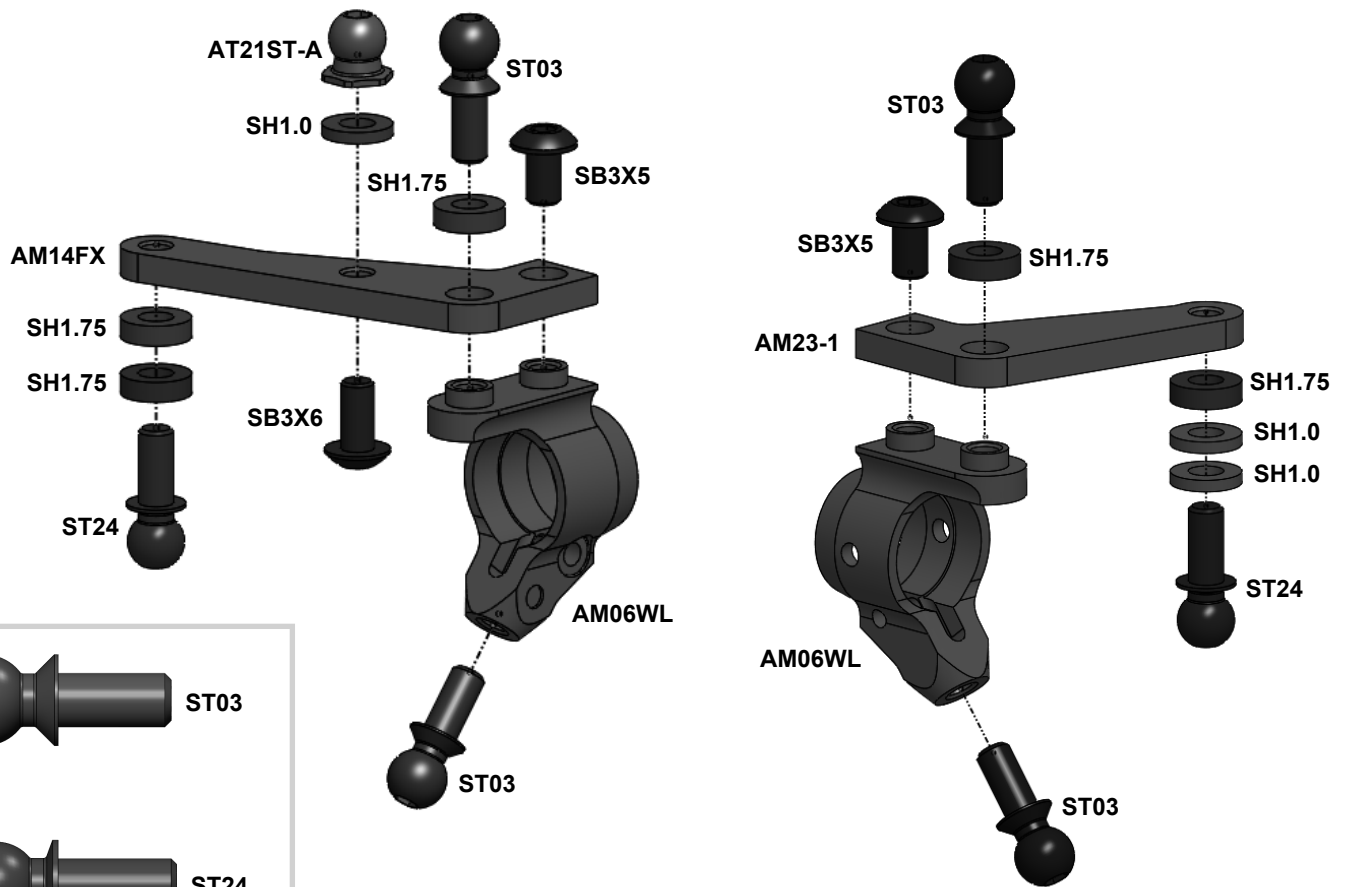
## EQUIPMENT RECOMMENDED (NOT INCLUDED)

- 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 Shorty Battery
- 190mm Body Shell
- Touring Car Wheels, Tires, Inserts

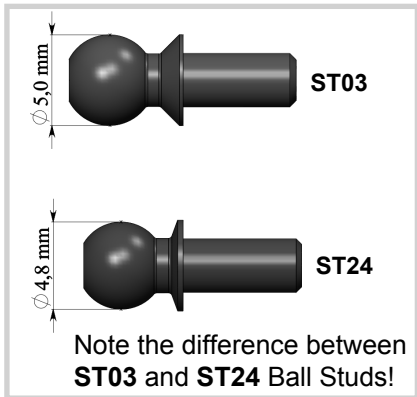
## TOOLS RECOMMENDED (NOT INCLUDED)

- 1.5mm, 2.0mm Hex Driver
- 5.5mm, 9mm, 3/8", 10mm Wrenches
- Callipers
- Hobby Knife
- Camber Gauge
- Ride Height Gauge
- Thin CA Glue
- Thread Lock
- Diff Silicone Oil
- Joint Grease

# STEP 1



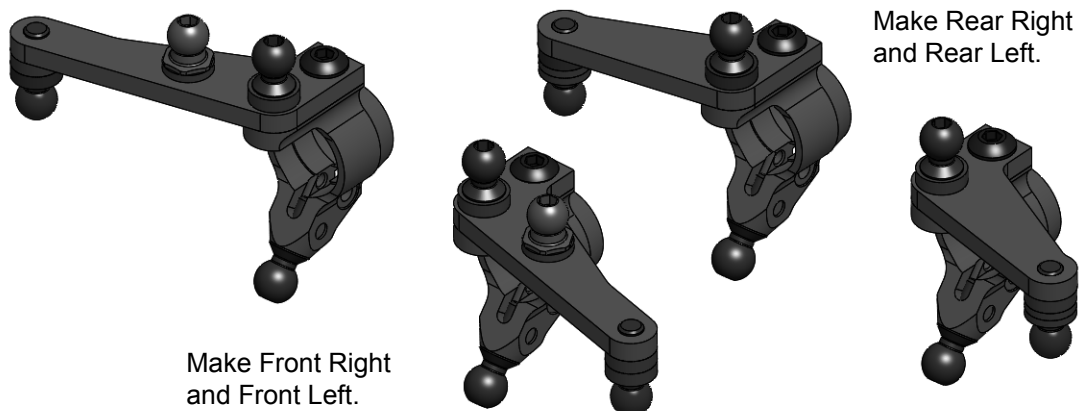
**Note:** The last turns of the lower **ST03** Ball Studs and **SB3X5** screws can be tight. Screw them with force.



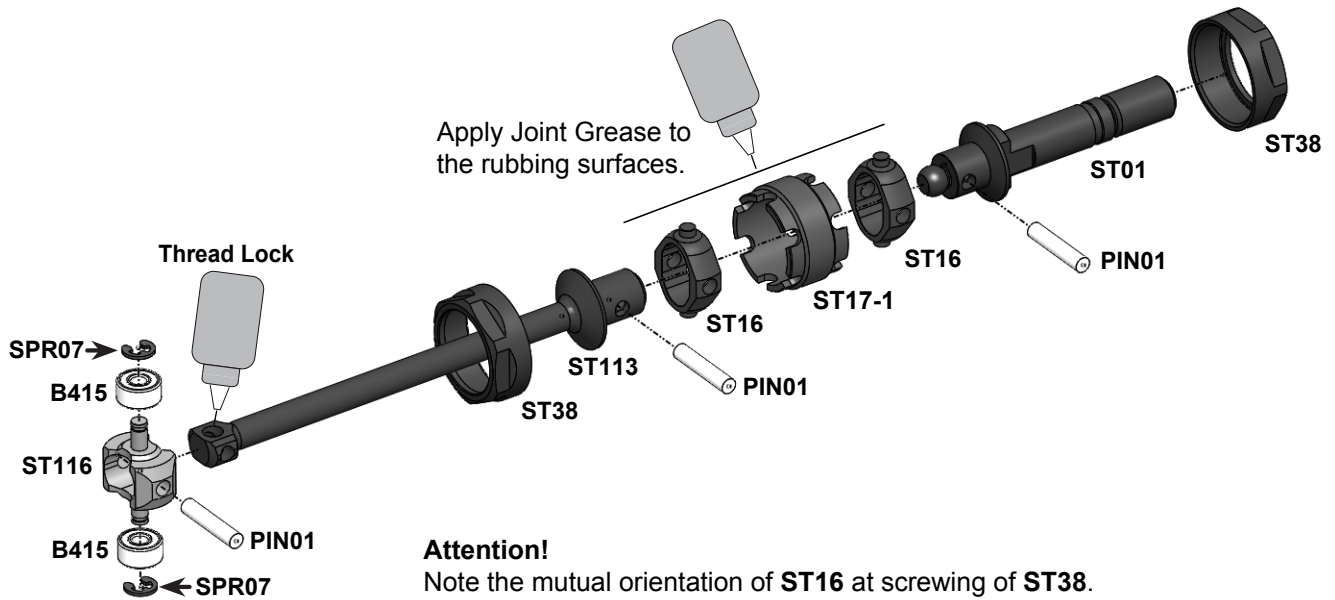
|  |  |   |     |                                 |    |
|--|--|---|-----|---------------------------------|----|
|  |  | <b>SB3X5</b> M3x5 Button Head Screw     | x4  | <b>ST03</b> Ball Stud           | x8 |
|  |  | <b>SB3X6</b> M3x6 Button Head Screw     | x2  | <b>AM06WL</b> Steering Block    | x4 |
|  |  | <b>SH1.0</b> 6x3x1mm Spacer (Gray)      | x6  | <b>AM14FX</b> Steering Arm      | x2 |
|  |  | <b>SH1.75</b> 6x3x1.75mm Spacer (Black) | x10 | <b>AM23-1</b> Rear Steering Arm | x2 |
|  |  | <b>AT21ST-A</b> Pivot Ball              | x2  | <b>ST24</b> 4,8x6 mm Ball Stud  | x4 |

## STEP 1 FINISHED

**Note:** 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

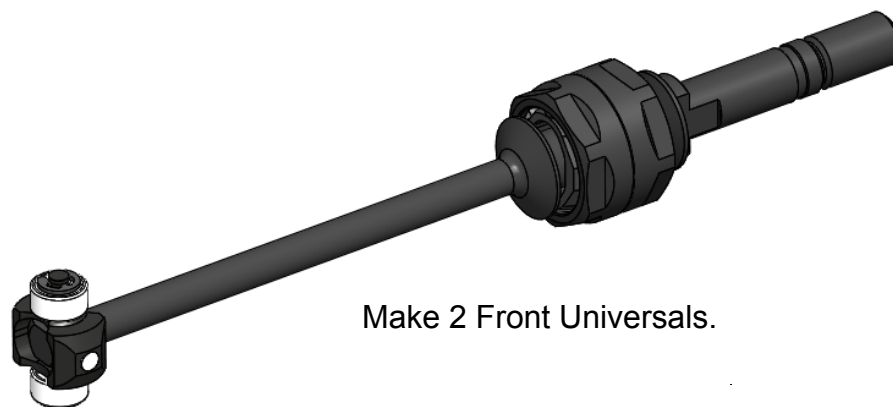


### Attention!

Note the mutual orientation of **ST16** at screwing of **ST38**.  
The pins of both **ST16** should be parallel to each other.  
The recommended wrench for screwing of **ST38** is  
**3/8 US standard** wrench ( ~ 9,53 mm).

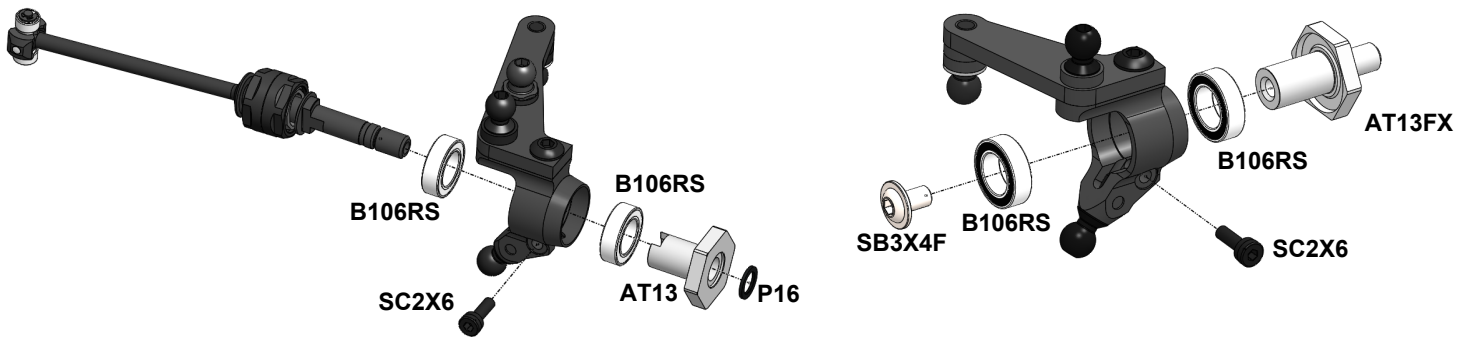
|  |                            |    |                                   |    |
|--|----------------------------|----|-----------------------------------|----|
|  | <b>PIN01</b> 1.5x7.8 Pin   | x6 | <b>ST01</b> Front Axle            | x2 |
|  | <b>SPR07</b> E-Ring        | x4 | <b>ST16</b> U-Joint Cross         | x4 |
|  | <b>B415</b> Bearing        | x4 | <b>ST17-1</b> Universal Ring      | x2 |
|  | <b>ST116</b> IFJ/IRJ Cross | x2 | <b>ST113</b> Front Universal Bone | x2 |
|  |                            |    | <b>ST38</b> Universals Nut        | x2 |

## STEP 2 FINISHED



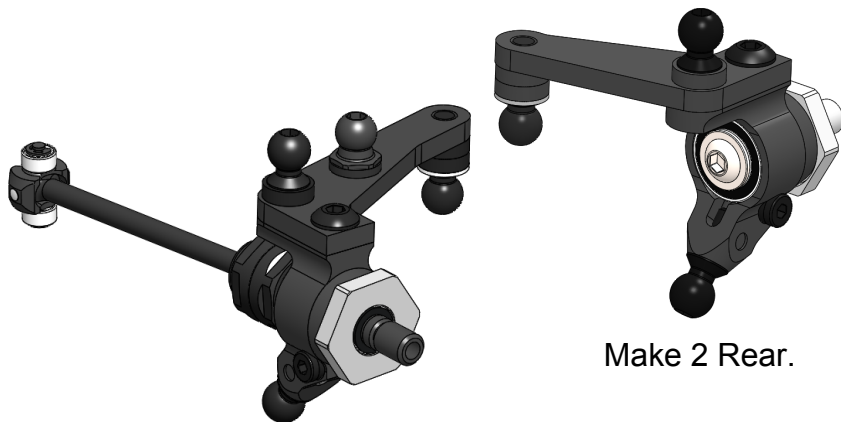
Make 2 Front Universals.

### STEP 3



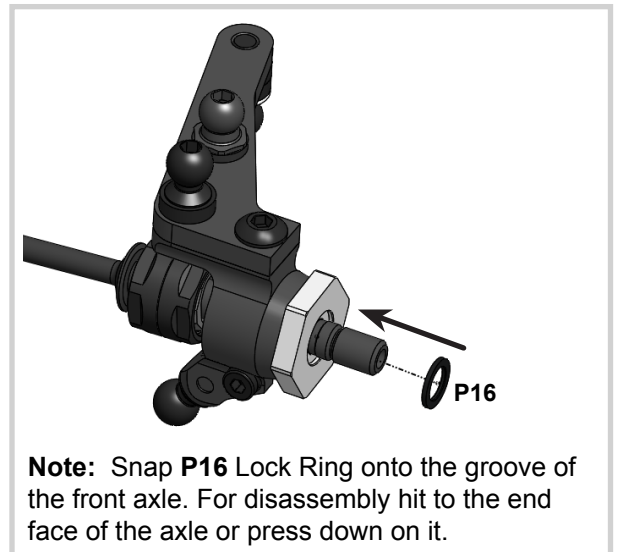
|  |                                  |    |  |                             |    |
|--|----------------------------------|----|--|-----------------------------|----|
|  | <b>B106RS</b> MR106RS Bearing    | x8 |  | <b>AT13</b> Wheel Hex       | x2 |
|  | <b>SC2X6</b> M2x6 Cap Head Screw | x4 |  | <b>AT13FX</b> Wheel Hex     | x2 |
|  | <b>P16</b> Lock Ring             | x2 |  | <b>SB3X4F</b> Flanged Screw | x2 |

### STEP 3 FINISHED



Make 2 Front.

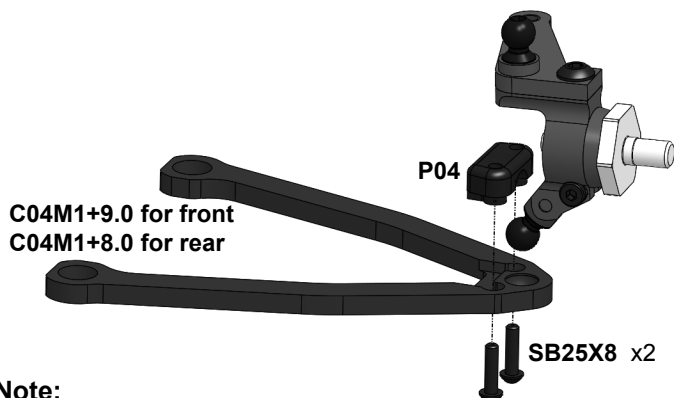
Make 2 Rear.



**Note:** Snap **P16** Lock Ring onto the groove of the front axle. For disassembly hit to the end face of the axle or press down on it.

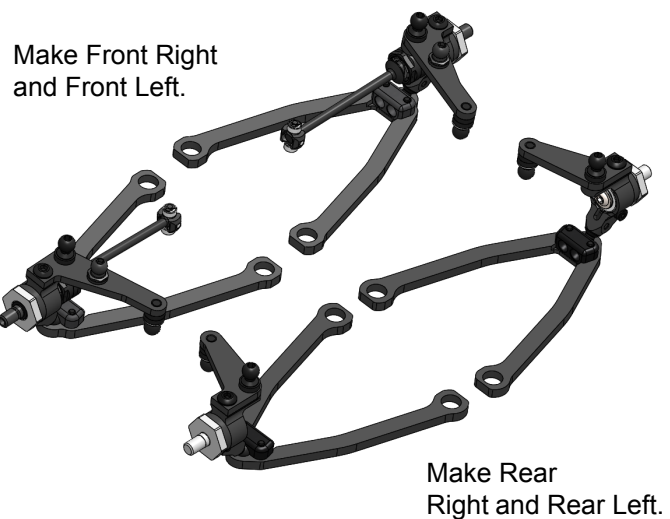
### STEP 4

|  |  |    |
|--|--|----|
|  | <b>SB25X8</b> M2.5x8 Button Head Screw | x8 |
|  | <b>C04M1+8.0</b> Suspension Arm        | x2 |
|  | <b>C04M1+9.0</b> Suspension Arm        | x2 |
|  | <b>P04</b> Arm Hasp                    | x4 |



**Note:**  
**P04** have the tight fit in the **C04M1+8.0/+9.0** arm.  
 Don't overtighten **SB25X8** screws to avoid **ST03** binding.  
 Achieve a free action of the ball joint with a minimal backlash.

### STEP 4 FINISHED



Make Front Right and Front Left.

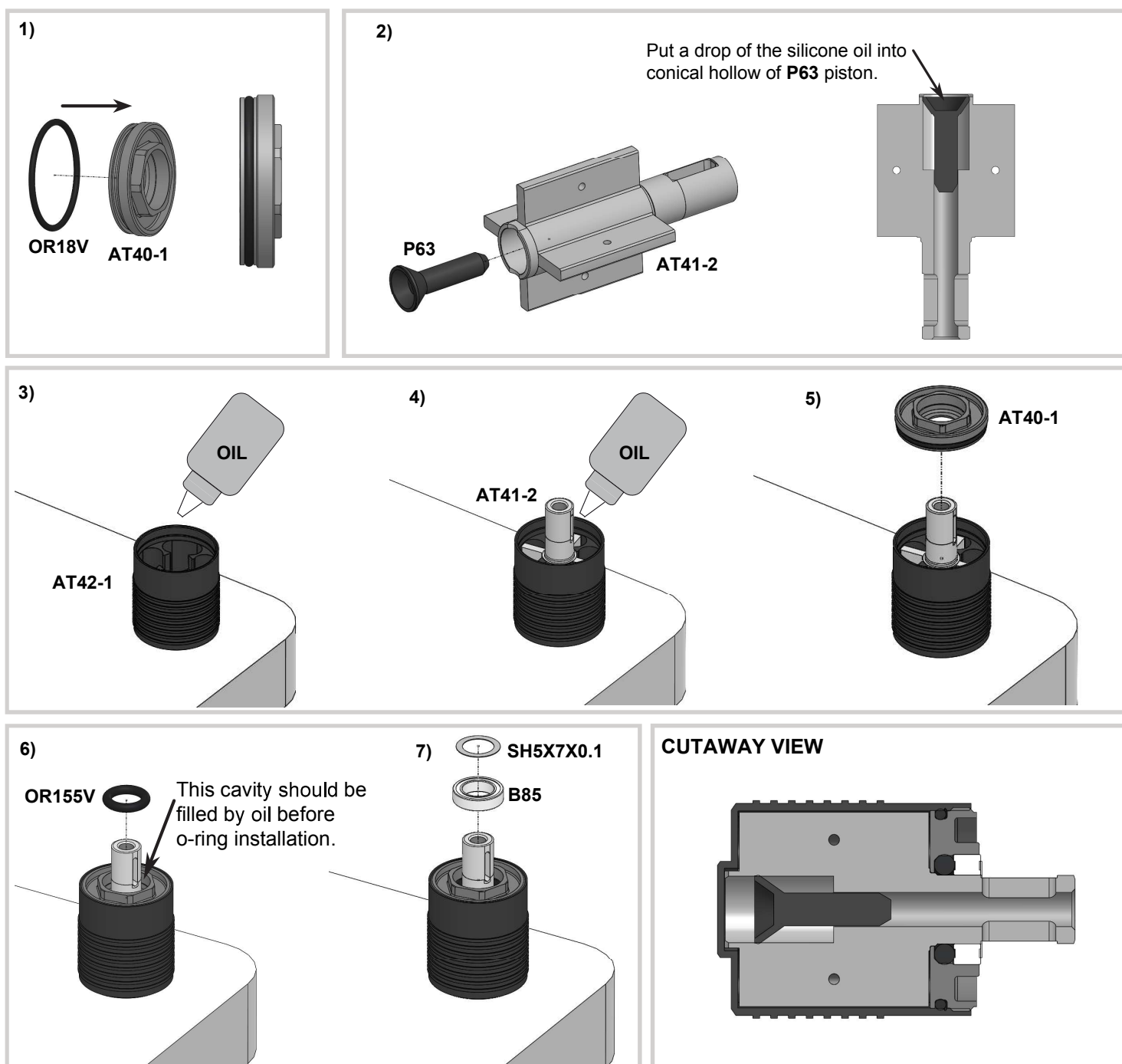
Make Rear Right and Rear Left.

## STEP 5 Assembling of the Dampers

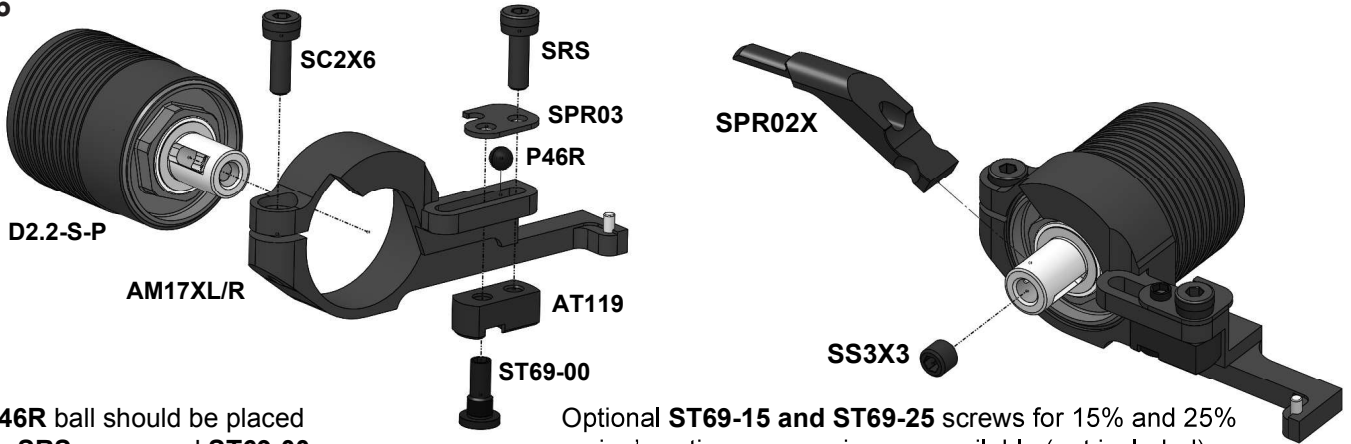
**Note:** We recommend to use 500 cst pure silicone oil for **D2.2-S-P** dampers of this kit.

- 1) Stretch and place **OR18V** o-ring in the groove of the **AT40-1** cup.
- 2) Insert **P63** piston into **AT41-2** vane cavity. Align the outer face of **P63** piston with the outer edge of **AT41-2** vane cavity. Keep **AT41-2** in vertical position and add a drop of oil into the outer conical hollow of **P63** piston to fill this hollow fully.
- 3) Stand **AT42-1** case up and fill ~1/2 of volume with the desirable silicone oil. Insert **AT41-2** vane into **AT42-1** case slowly full way down.
- 4) Add more silicone oil. The oil should cover the **AT41-2** vane completely. It is highly recommended the damper should be placed into a shock air remover. Otherwise let the damper sit for ~ 30min to allow air bubbles to escape.
- 5) With the damper still exactly vertical (important !), screw **AT40-1** cup into the **AT42-1** case with a 9mm socket wrench until full threaded. Do not force the **AT40-1** cup - once aligned, it will screw on easily. The excessive oil should go out through the gap between **AT40-1** and **AT41-2**. Please don't remove this oil from the bearing's cavity of **AT40-1** on this stage!
- 6) Place **OR155V** o-ring into **AT40-1** cup. You can use a piece of an appropriate tube to press o-ring slowly and fully into cavity.
- 7) Place **B85** bearing and one **SH5X7X0.1** shim onto **AT41-2** vane output shaft.
- 8) Clean up oil off the outer surface of the damper.

For disassembling please do all steps in the reverse order.



### STEP 6



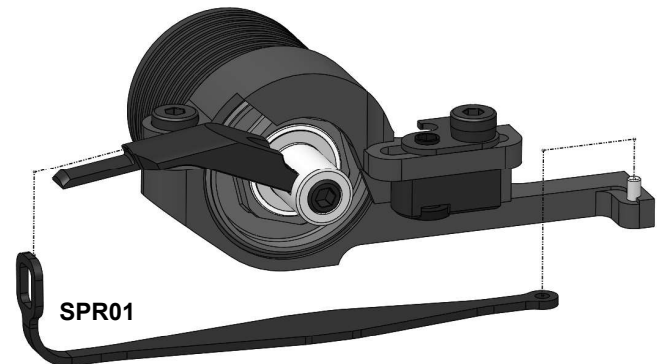
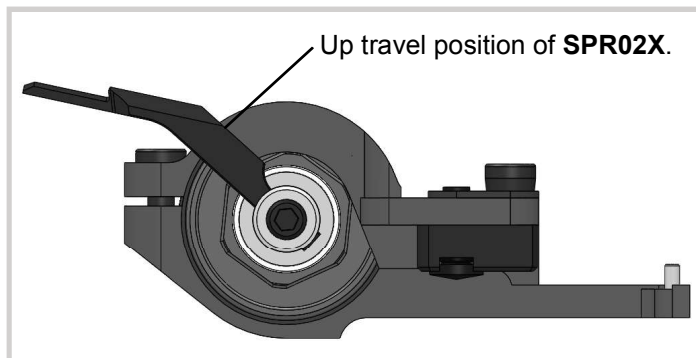
Note: **P46R** ball should be placed between **SRS** screw and **ST69-00** screw.

Optional **ST69-15** and **ST69-25** screws for 15% and 25% spring's action progression are available (not included).

### STEP 6 (cont'd)

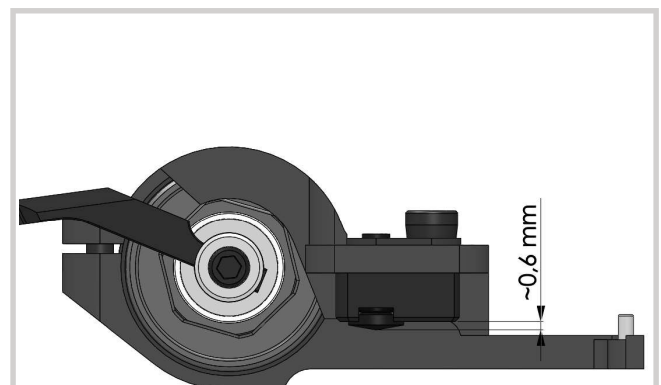
|  |                                  |    |                                   |    |
|--|----------------------------------|----|-----------------------------------|----|
|  | <b>SC2X6</b> M2x6 Cap Head Screw | x4 | <b>AM17XR</b> Damper Holder Right | x2 |
|  | <b>SRS</b> Spring Rating Screw   | x4 | <b>AM17XL</b> Damper Holder Left  | x2 |
|  | <b>SS3X3</b> Set Screw           | x4 | <b>D2.2-S-P</b> Damper            | x4 |
|  | <b>SPR03</b> Shock Pointer       | x4 | <b>SPR01</b> STD Shock Spring     | x4 |
|  |                                  |    | <b>SPR02X</b> Shock Rod Guide     | x4 |
|  |                                  |    | <b>ST69-00</b> Ride Height Screw  | x4 |
|  |                                  |    | <b>AT119</b> Spring Screw Holder  | x4 |
|  |                                  |    | <b>P46R</b> Ball Piston           | x4 |

**Attention!** After installation of **SPR02X** rotate the complete **D2.2-S-P** damper within **AM17XR/L** until the maximum up travel is reached and secure **SC2X6** screw in the **AM17X/RL** after that. At the max up travel position the **SPR02X** should touch the stopper on **AM17X/RL** !!!



### STEPS 6 FINISHED

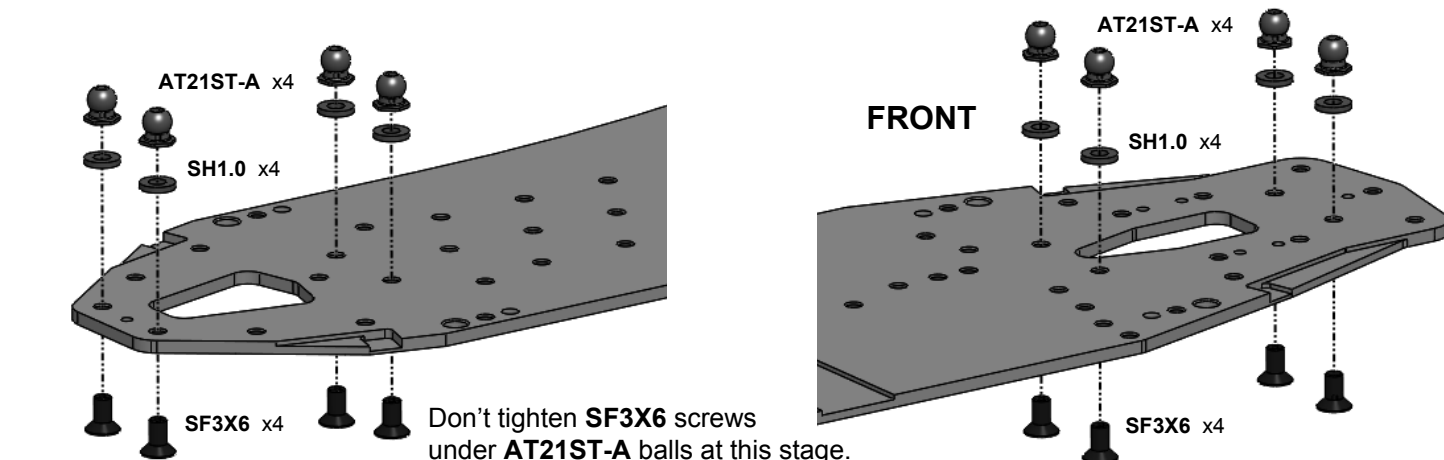
Assemble 2 Right Shocks and 2 Left Shocks.



**Note:** Initial position of **ST69-0** Screw is ~0,6mm.

## STEP 7

**Note:** C01FXCL Carbon Lower Deck is used in the A800FXC Evo kit  
C01FXAL Alloy Lower Deck is used in the A800FXA Evo kit



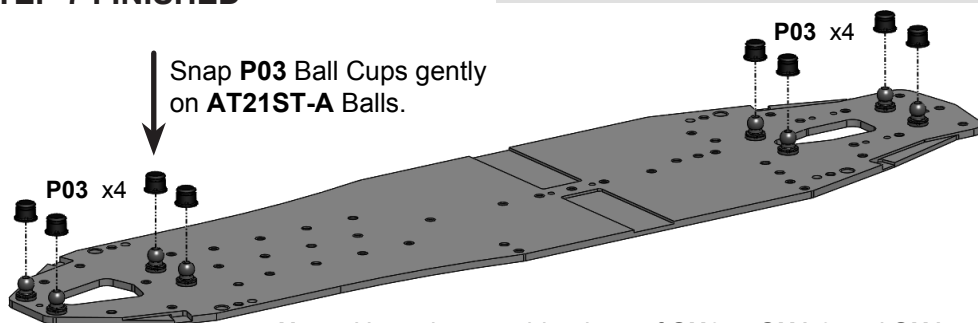
REAR

FRONT

Don't tighten SF3X6 screws under AT21ST-A balls at this stage.

|  |  |                             |    |  |                     |    |
|--|--|-----------------------------|----|--|---------------------|----|
|  |  | SF3X6 M3x6 Flat Head Screw  | x8 |  | P03 Arm Ball Cap    | x8 |
|  |  | SH1.0 6x3x1mm Spacer (Gray) | x8 |  | AT21ST-A Pivot Ball | x8 |

## STEP 7 FINISHED



Crimp P03 if it will be tight at swinging.



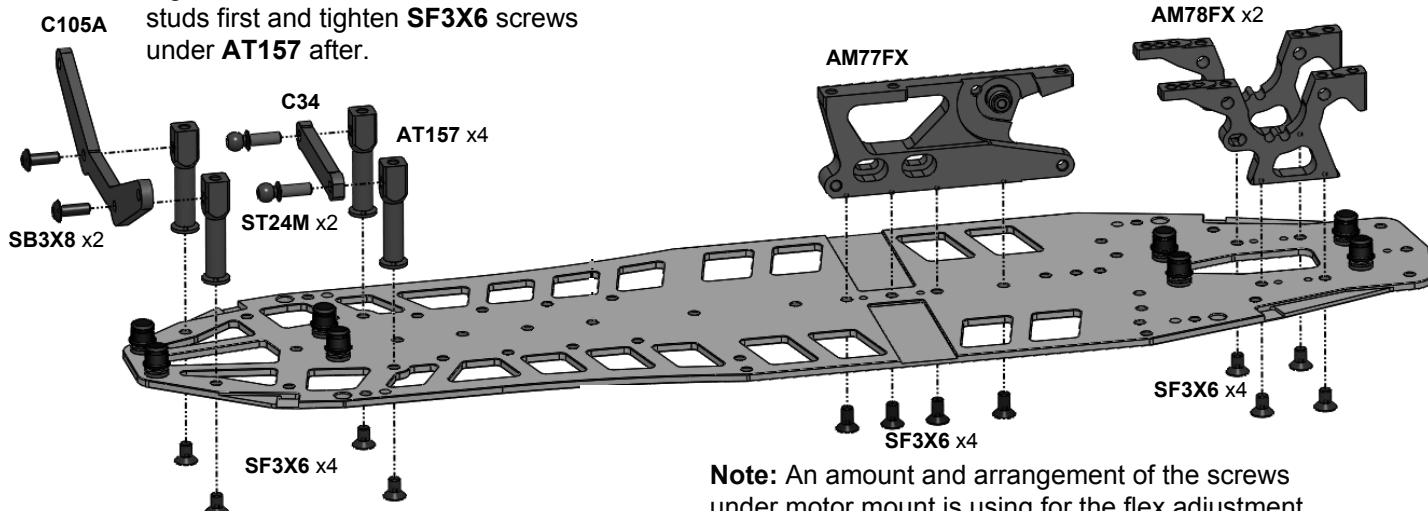
**Note:** Use other combinations of SH0.5, SH1.0 and SH1.75 spacers under appropriate AT21ST-A balls to adjust your car set-up.

## STEP 8

|  |  |                              |     |  |                        |    |
|--|--|------------------------------|-----|--|------------------------|----|
|  |  | SF3X6 M3x6 Flat Head Screw   | x12 |  | C105A Rear Body Holder | x1 |
|  |  | SB3X8 M3x8 Button Head Screw | x2  |  | AM77FX Motor Mount     | x1 |
|  |  | ST24M 4,8mm Ball Stud        | x2  |  | AM78FX Bulkhead        | x2 |
|  |  | C34 Rear Strut               | x1  |  | AT157 Rear Upright     | x4 |

### Attention!

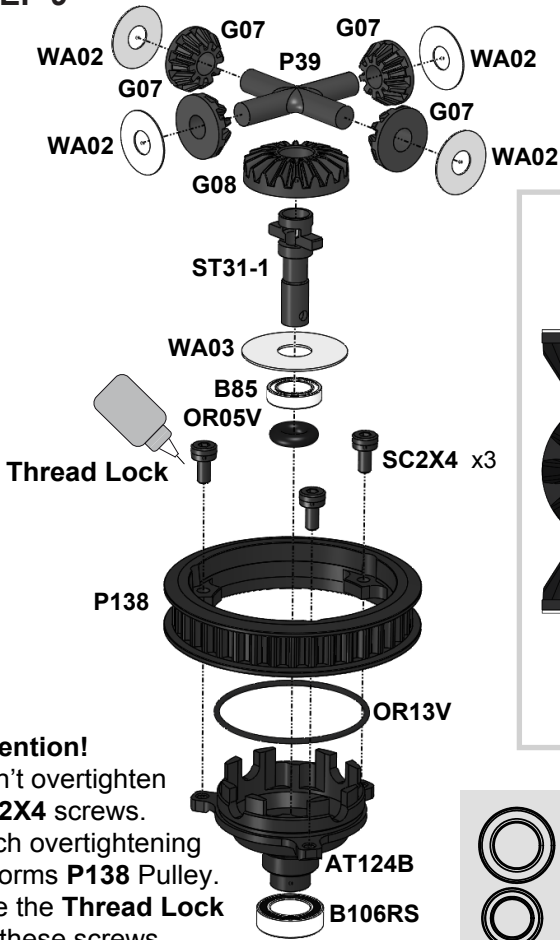
Tighten SB3X8 screws and ST24M ball studs first and tighten SF3X6 screws under AT157 after.



**Note:** An amount and arrangement of the screws under motor mount is using for the flex adjustment.

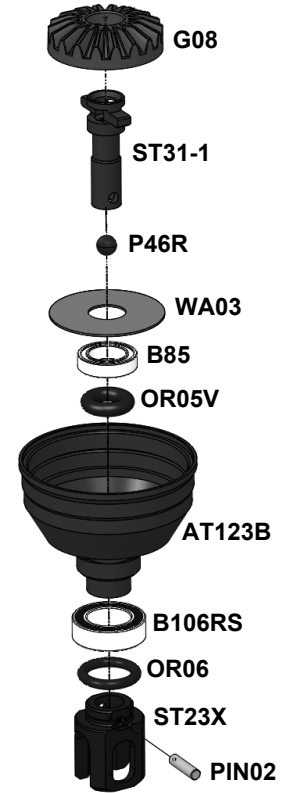
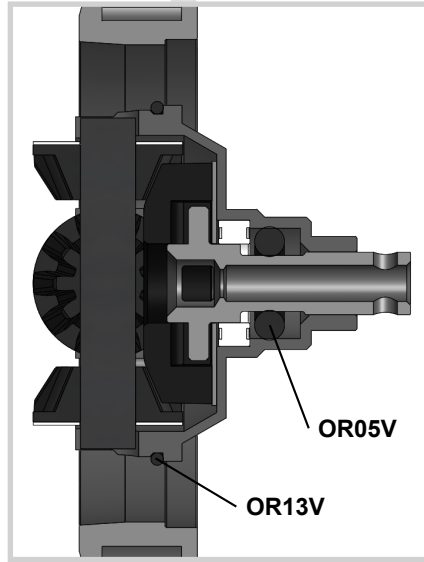


### STEP 9



**Attention!**  
Don't overtighten **SC2X4** screws. Such overtightening deforms **P138** Pulley. Use the **Thread Lock** for these screws.

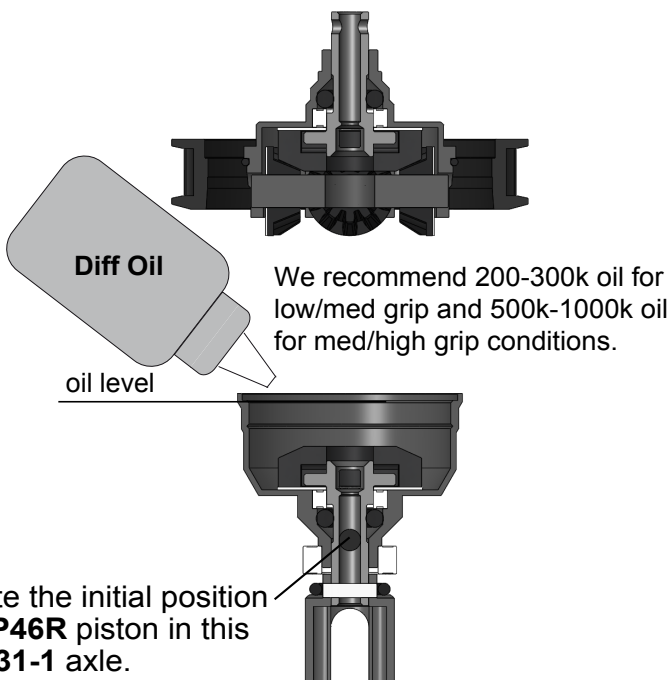
### STEP 9 (cont'd)



|  |               |                     |    |               |                    |    |
|--|---------------|---------------------|----|---------------|--------------------|----|
|  | <b>B106RS</b> | MR106RS Bearing     | x2 | <b>AT123B</b> | GD2B Case1         | x1 |
|  | <b>B85</b>    | MR85 Bearing        | x2 | <b>AT124B</b> | GD2B Case2         | x1 |
|  | <b>OR05V</b>  | O-Ring              | x2 | <b>P138</b>   | 38T Pulley         | x1 |
|  | <b>OR06</b>   | O-Ring              | x2 | <b>ST23X</b>  | IRJ Outdrive       | x2 |
|  | <b>P46R</b>   | Piston              | x2 | <b>ST31-1</b> | GD2 Output Axle    | x2 |
|  | <b>PIN02</b>  | 1,5x5,8 Pin         | x2 | <b>P39</b>    | GD2 Cross Pin      | x1 |
|  | <b>SC2X4</b>  | M2x4 Cap Head screw | x3 | <b>OR13V</b>  | 13 mm O-Ring       | x1 |
|  |               |                     |    | <b>G07</b>    | GD2 Satellite Gear | x4 |
|  |               |                     |    | <b>G08</b>    | GD2 Bevel Gear     | x1 |
|  |               |                     |    | <b>WA02</b>   | 3.5x9.5x0.2 Washer | x4 |
|  |               |                     |    | <b>WA03</b>   | 5x15.5x0.3 Washer  | x2 |

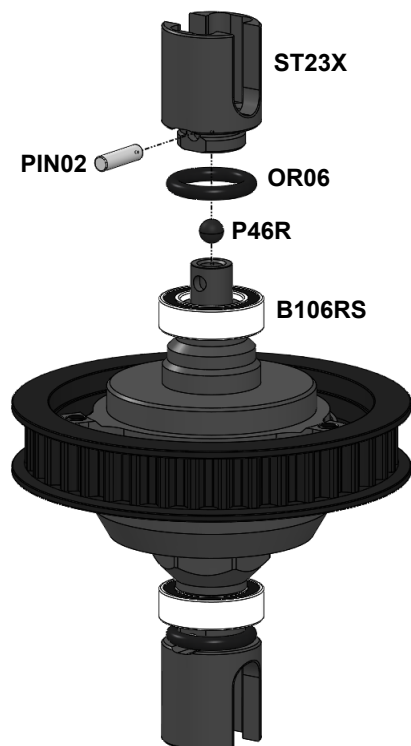
### STEP 10

Fill with desirable silicone oil (not included). Screw **AT123B** Case with 10mm wrench slowly. The excessive oil will go out through the **ST31-1** axial hole.

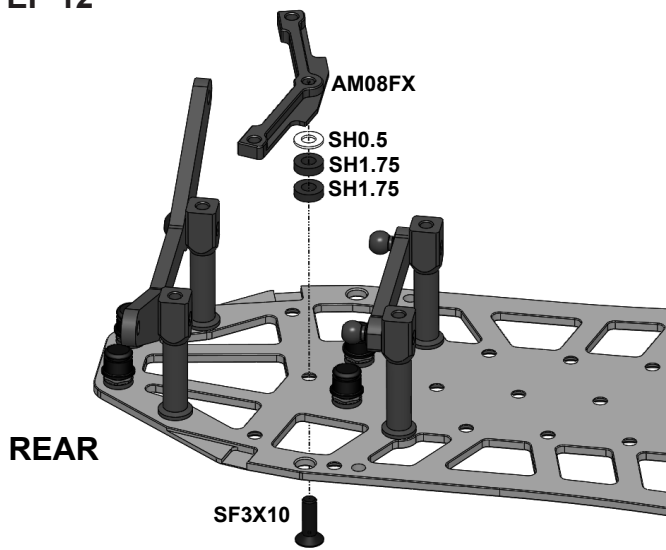


Note the initial position of **P46R** piston in this **ST31-1** axle.

### STEP 11

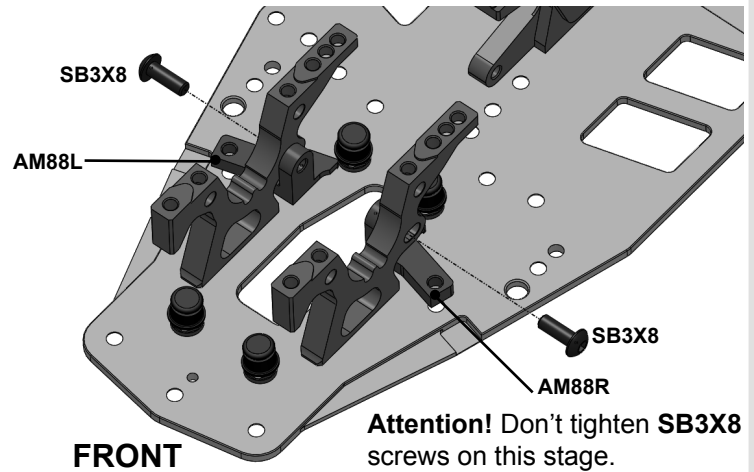


### STEP 12



REAR

Attention! Don't tighten **SF3X10** screw on this stage.

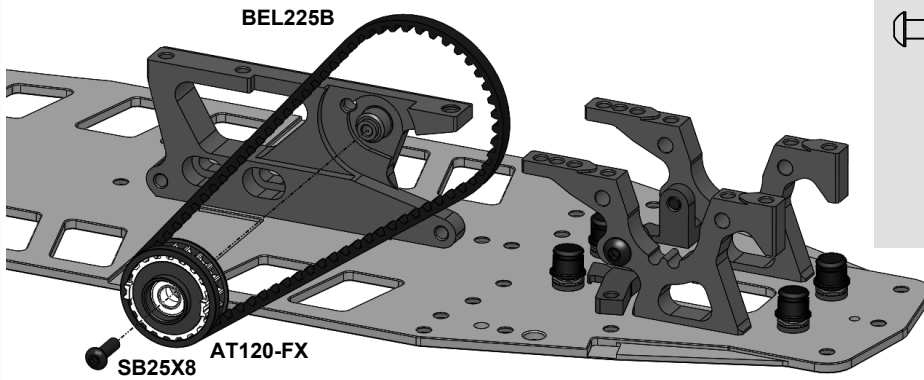


FRONT

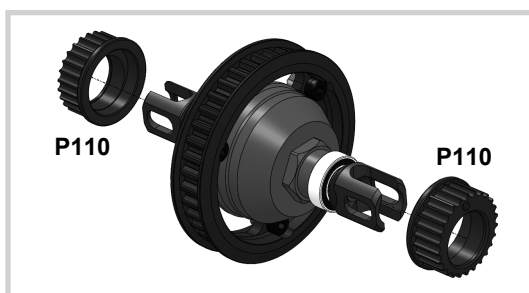
Attention! Don't tighten **SB3X8** screws on this stage.

- |  |   |    |
|--|---|----|
|  | <b>SB3X8</b> M3x8 Button Head Screw     | x2 |
|  | <b>SF3X10</b> M3x10 Flat Head Screw     | x1 |
|  | <b>SH1.75</b> 6x3x1.75mm Spacer (black) | x2 |
|  | <b>SH0.5</b> 6x3x0.5mm Spacer (silver)  | x1 |
|  | <b>SB25X8</b> M2.5 Button Heas Screw    | x1 |
|  | <b>AM88R</b> Shock Holder R             | x1 |
|  | <b>AM88L</b> Shock Holder L             | x1 |
|  | <b>AM08FX</b> Shock Holer               | x1 |
|  | <b>AT120-FX</b> 20T Alloy Pulley        | x1 |
|  | <b>BEL225B</b> Belt 225 mm              | x1 |

### STEP 13

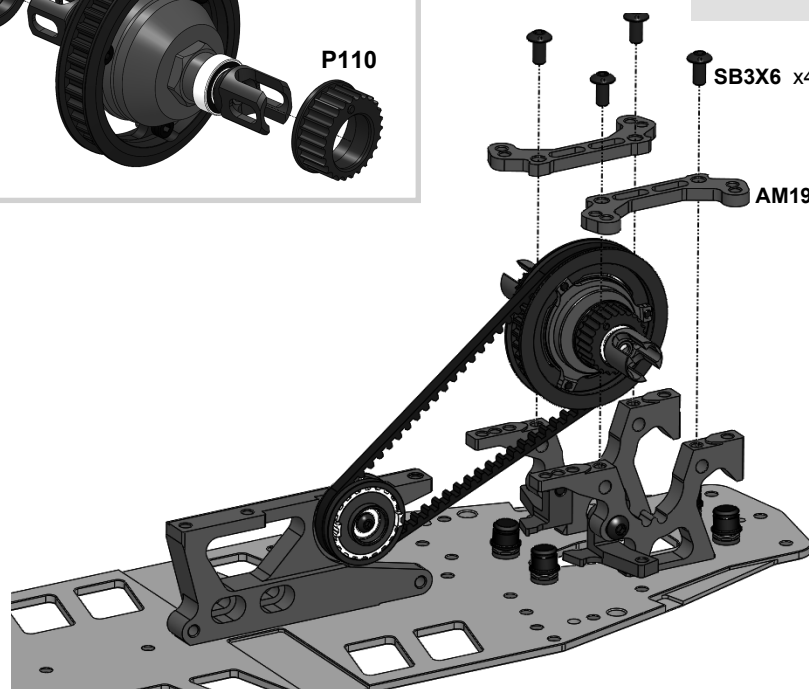


### STEP 14

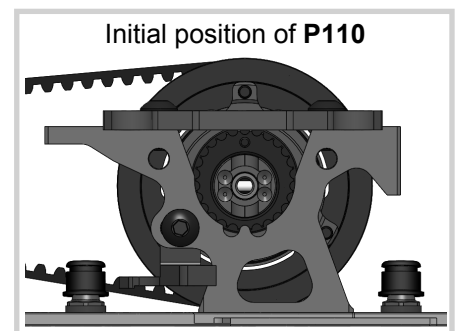


P110

P110



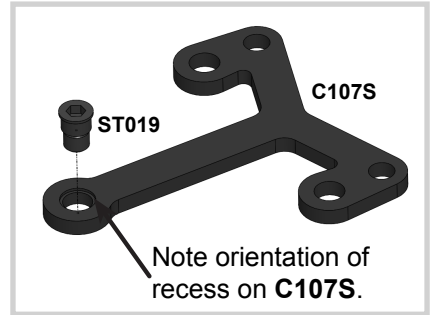
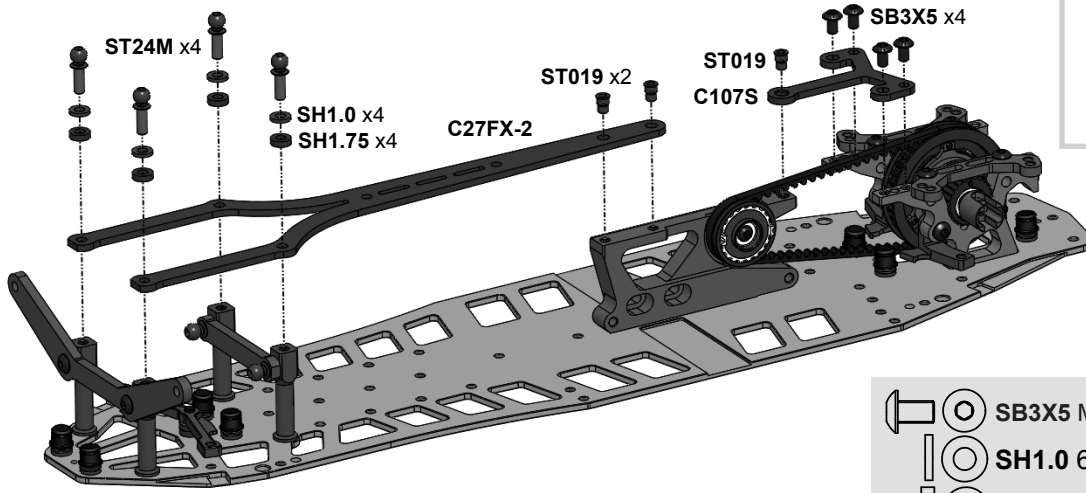
- |  |                                     |    |
|--|-------------------------------------|----|
|  | <b>SB3X6</b> M3x6 Button Head Screw | x4 |
|  | <b>AM19-FX</b> Upper Arm Holder     | x2 |
|  | <b>P110</b> Bearing Housing         | x2 |



Initial position of **P110**

## STEP 15

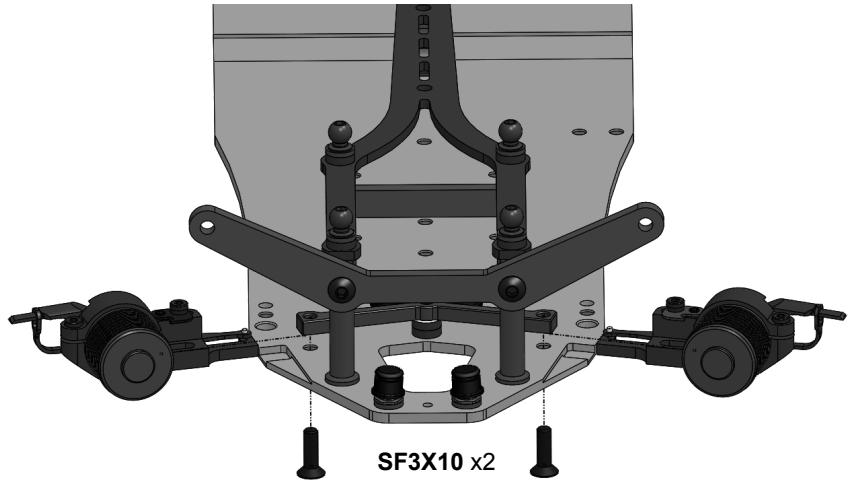
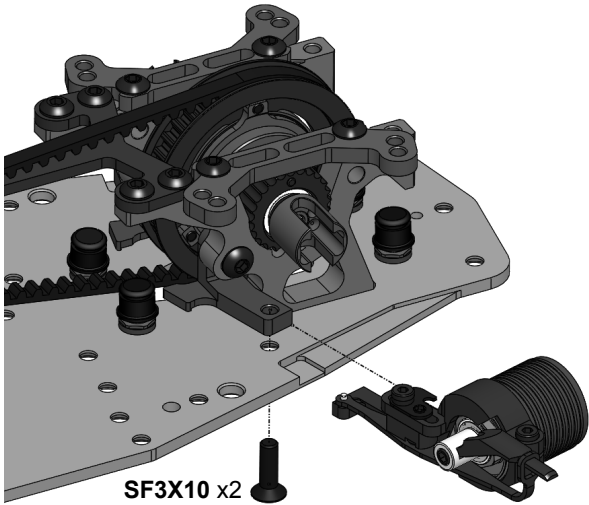
**Note:** Only one of two **ST019** screws on **C27FX-2** top deck can be installed for increasing of the flex.



|                                |    |
|--------------------------------|----|
| <b>C27FX-2</b> Top Deck        | x1 |
| <b>C107S</b> Front Top Deck    | x1 |
| <b>ST24M</b> 4,8x8mm Ball Stud | x4 |

|  |   |    |
|--|---|----|
|  | <b>SB3X5</b> M3x5 Button Head Screw     | x4 |
|  | <b>SH1.0</b> 6x3x1mm Spacer (gray)      | x4 |
|  | <b>SH1.75</b> 6x3x1.75mm Spacer (black) | x4 |
|  | <b>ST019</b> Top Deck Screw             | x3 |

## STEP 16

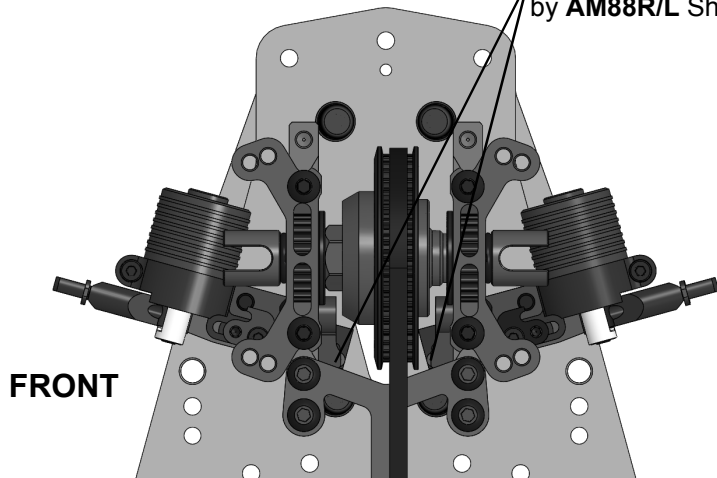


**Attention!** Tighten **SB3X8** screws of **AM88L/R** with 2mm ball hex driver after tightening of **SF3X10** screws.

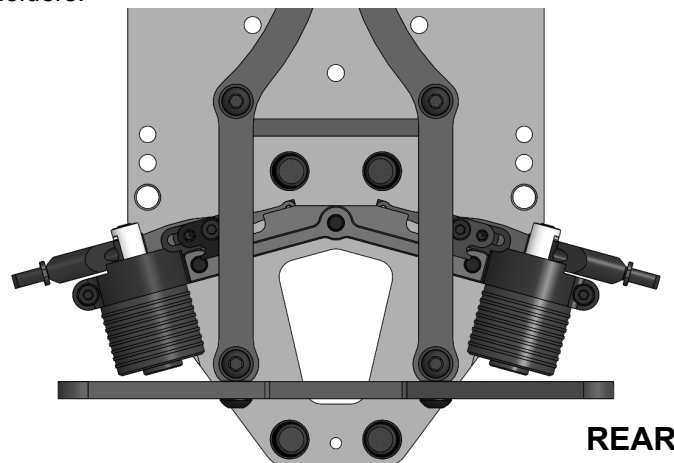
Tighten all three rear **SF3X10** screws now.

## STEP 16 FINISHED

The pins of **AM17** should be covered by **AM88R/L** Shock Holders.

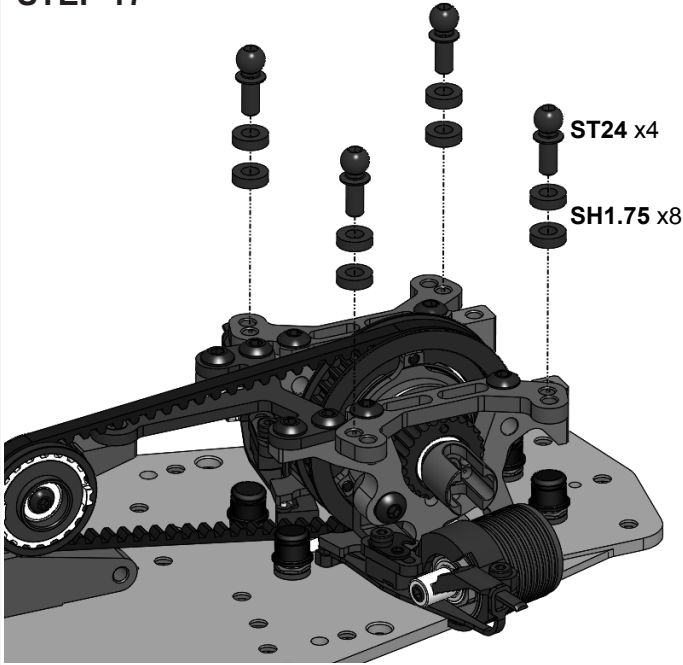



**FRONT**



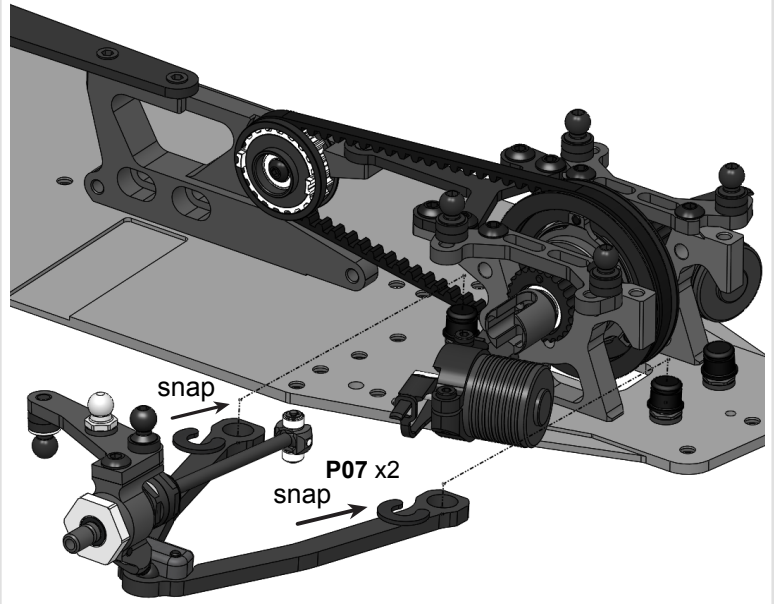
**REAR**


**STEP 17**



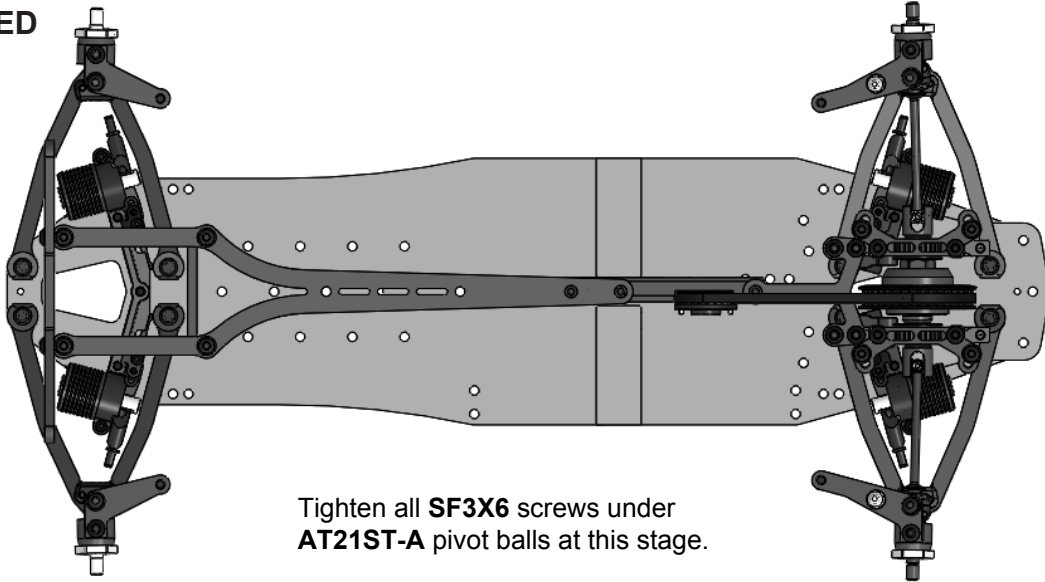
 **SH1.75** 6x3x1.75mm Spacer (black) x8  
**ST24** 4,8x6mm Ball Stud x4

**STEP 18**

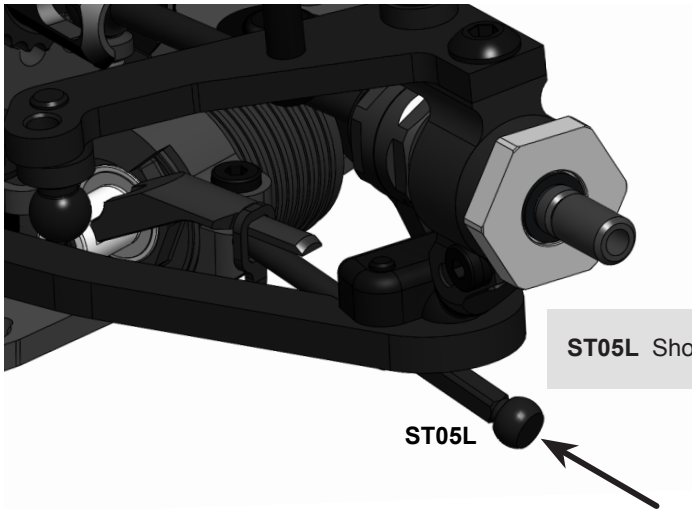


 **P07** Arm Clip x8

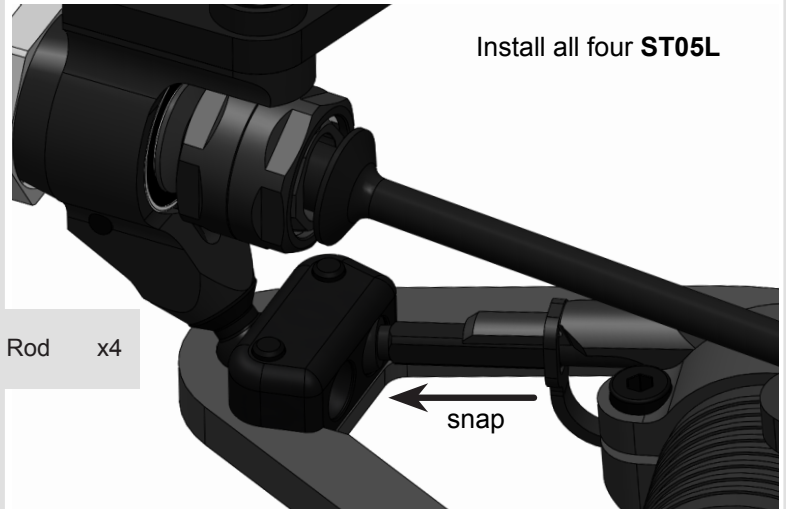
**STEP 18 FINISHED**



**STEP 19**

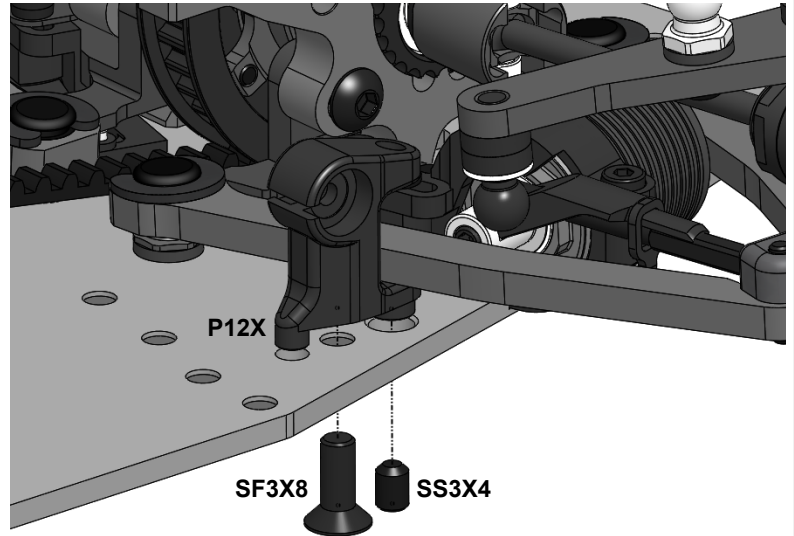
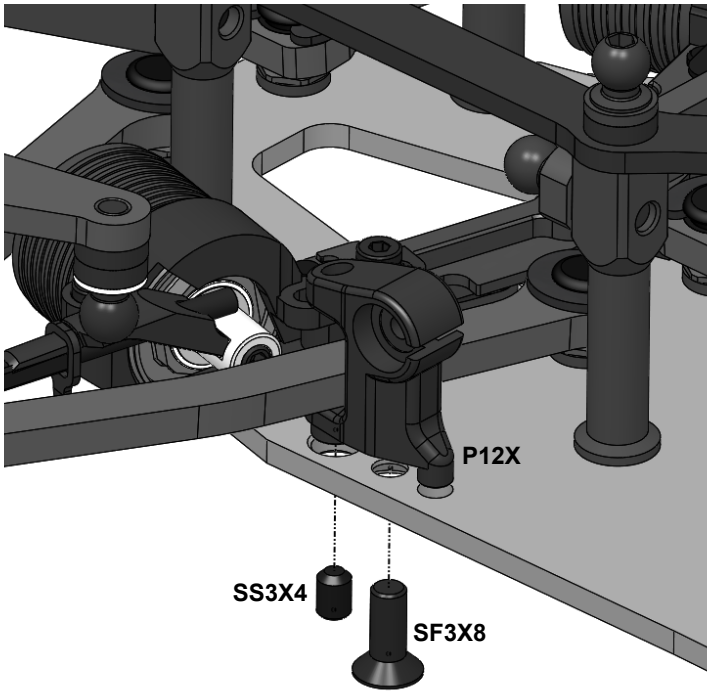


**STEP 19 FINISHED**



### STEP 20

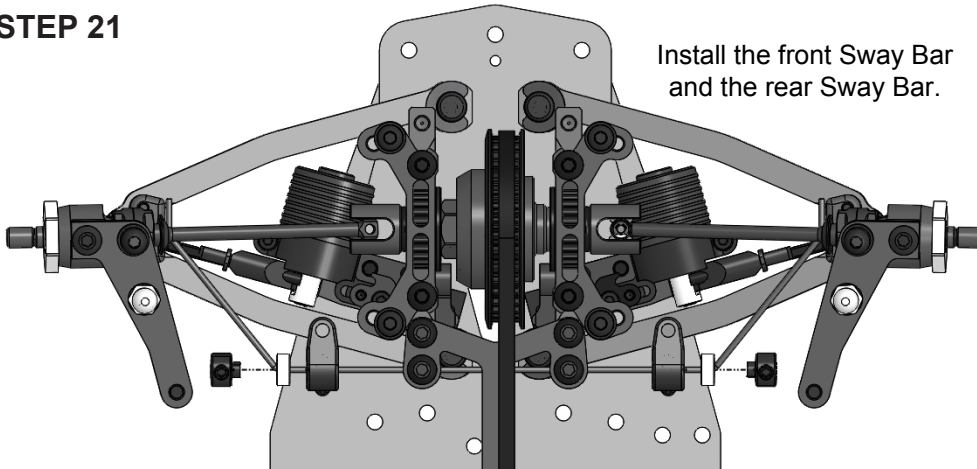
Install four **P12X** Sway Bar Holders.



|  |                                   |    |
|--|-----------------------------------|----|
|  | <b>SF3X8</b> M3x8 Flat head Screw | x4 |
|  | <b>SS3X4</b> M3x4 Set Screw       | x4 |
|  | <b>P12X</b> Sway Bar Holder       | x4 |

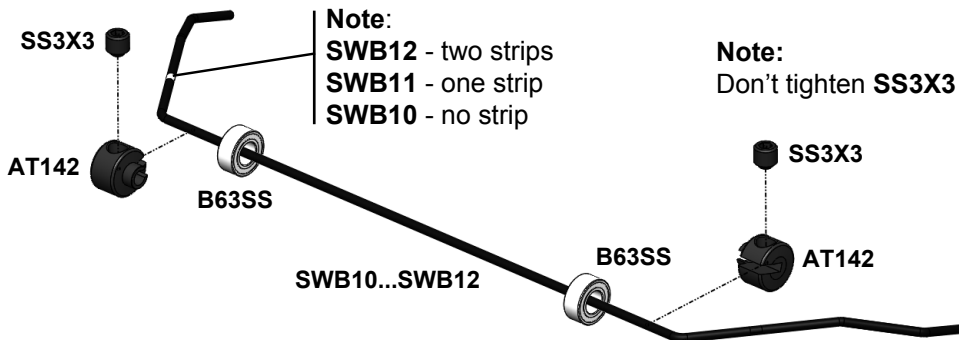
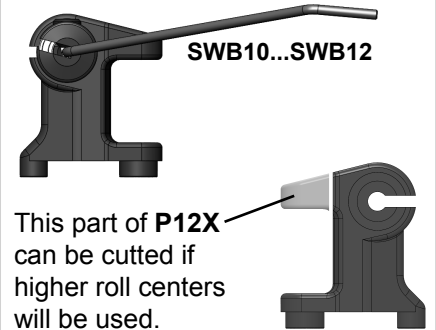
### STEP 21

Install the front Sway Bar and the rear Sway Bar.



#### Attention!

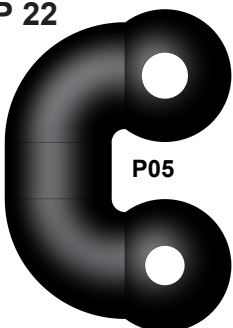
The deflected tips of Sway Bar should be directed downwards.



**Note:**  
**SWB12** - two strips  
**SWB11** - one strip  
**SWB10** - no strip

**Note:**  
 Don't tighten **SS3X3** Set Screws at this stage.

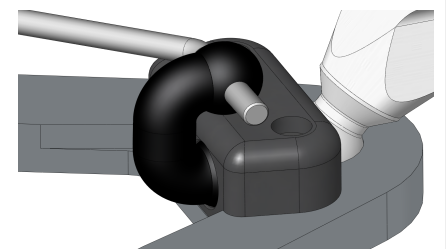
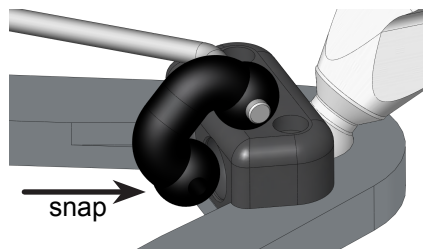
### STEP 22



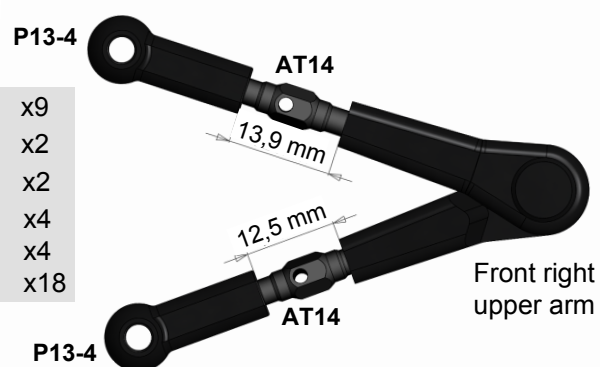
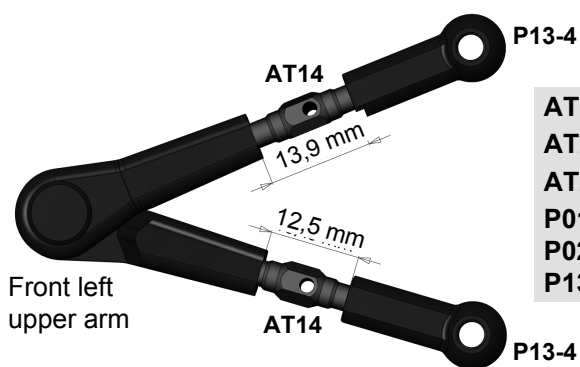
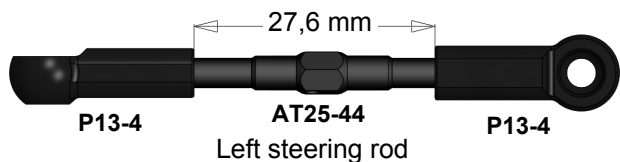
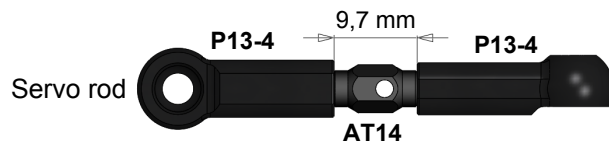
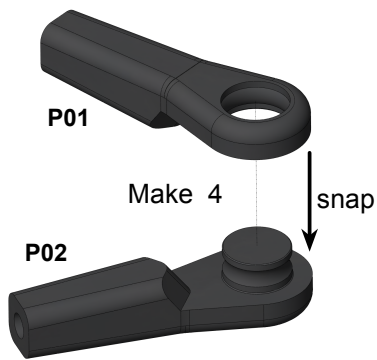
Use bigger hole for **SB12** Sway Bars.

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

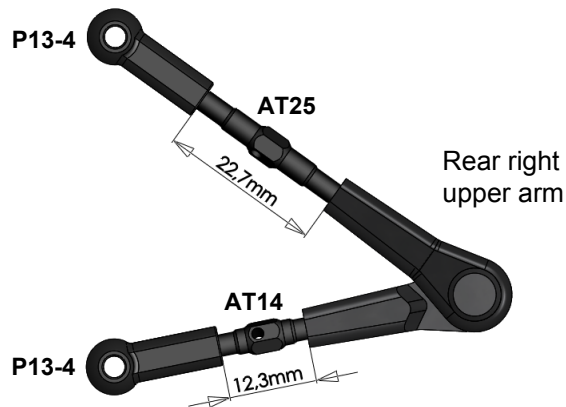
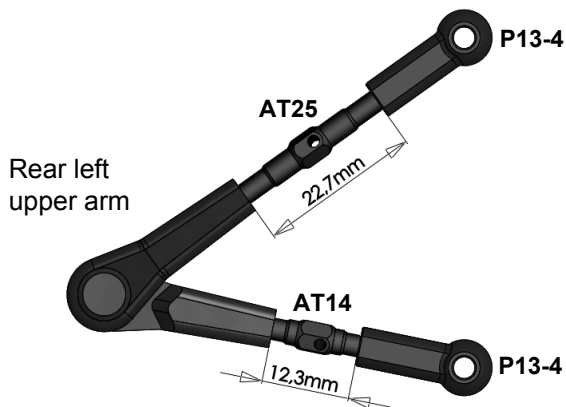
|  |                               |    |                               |    |
|--|-------------------------------|----|-------------------------------|----|
|  | <b>SS3X3</b> M3x3 Set Screw   | x4 | <b>SWB10...SWB12</b> Sway Bar | x2 |
|  | <b>B63SS</b> MR63ZZ Bearing   | x4 | <b>P05</b> Sway Bar Joint     | x4 |
|  | <b>AT142</b> Sway Bar Stopper | x4 |                               |    |



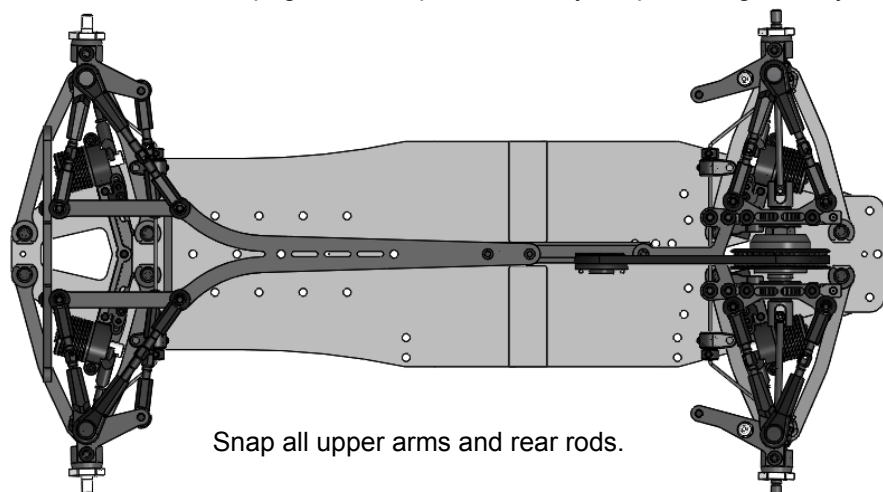
# STEP 23



|         |              |     |
|---------|--------------|-----|
| AT14    | Turnbuckle   | x9  |
| AT25    | Turnbuckle   | x2  |
| AT25-44 | Turnbuckle   | x2  |
| P01     | Ball Joint 1 | x4  |
| P02     | Ball Joint 2 | x4  |
| P13-4   | Ball End     | x18 |

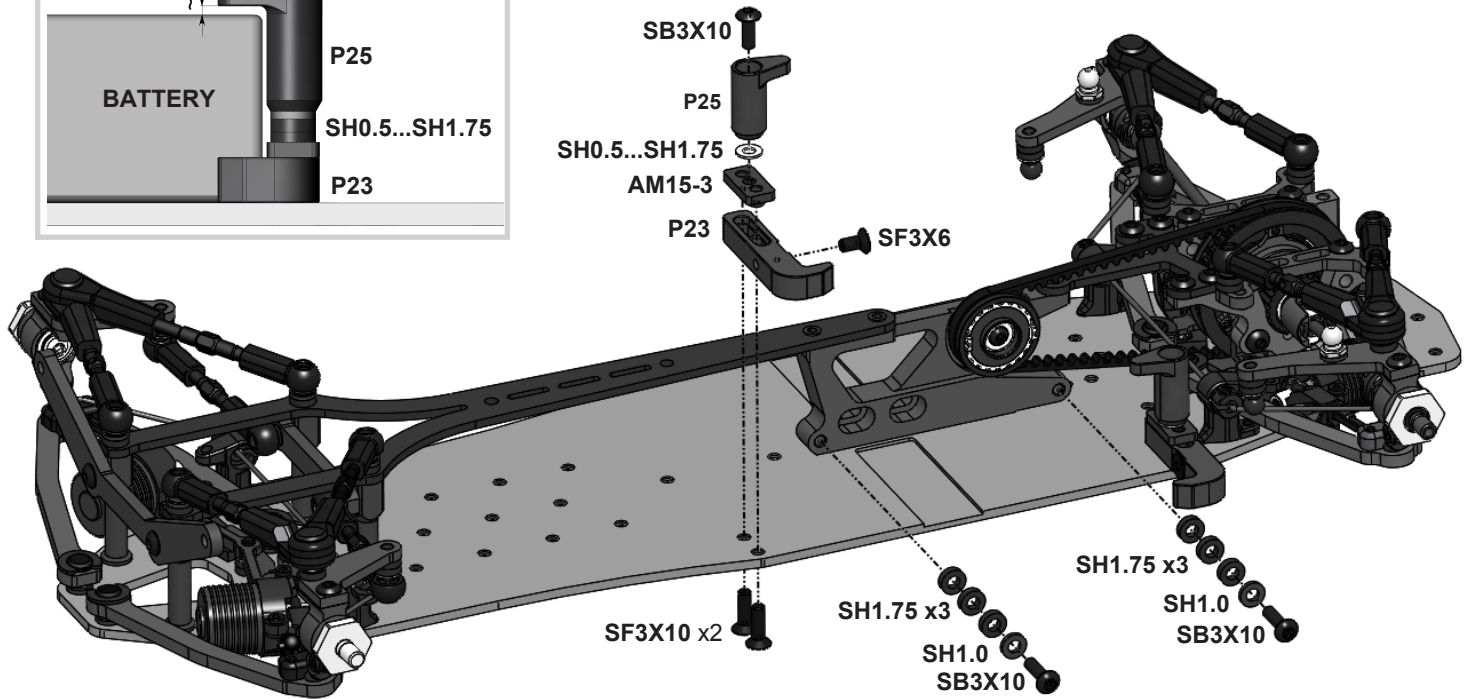
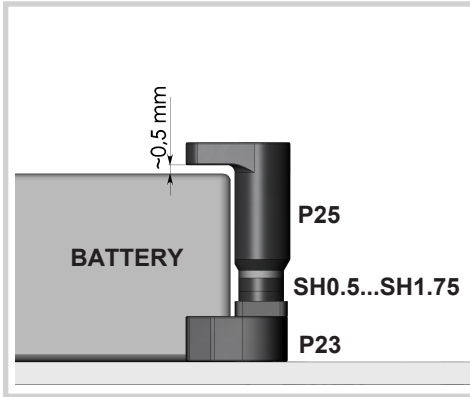


**Notes:** The given rods and arms sizes are approximately for 4° front caster and 0° rear caster, 2° both front and rear cambers, 1,0° rear toe-in and 1° front toe out angles. Use a setup station or angles gauge for further precise suspension geometry setting. See our recommendations on page #18 for quick and easy suspension geometry change.



## STEP 24

Install the front and the rear battery holders and the inner battery stoppers.



### Battery Holders adjustment:

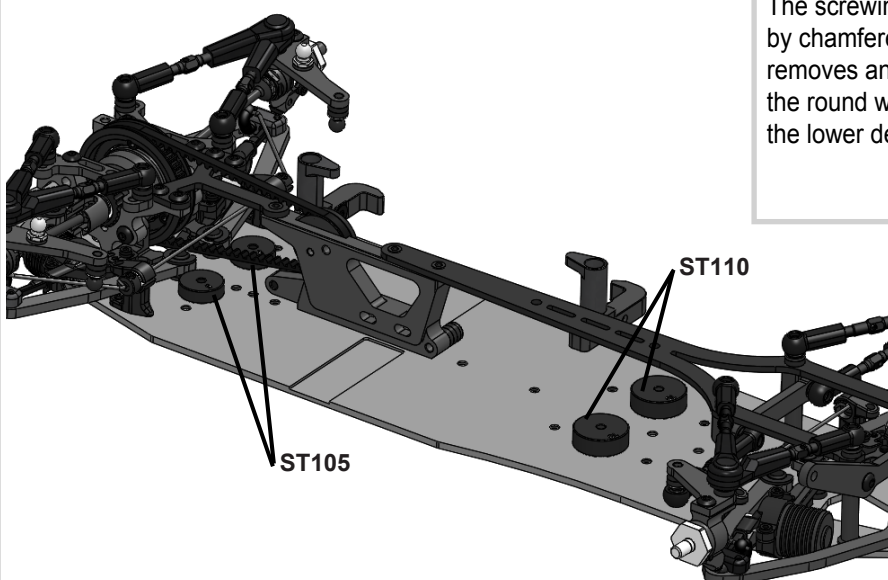
Choose the desirable battery position.

Tighten up **SF3X10** screws to fix

**P23** Battery Holders.

Adjust **SF3X6** screws to achieve ~0.5mm clearance between them and the battery.

|  |  |                                       |    |                                   |    |
|--|--|---------------------------------------|----|-----------------------------------|----|
|  |  | <b>SF3X10</b> M3x10 Flat Head Screw   | x4 | <b>P23</b> Outer Battery Holder   | x2 |
|  |  | <b>SF3X6</b> M3x6 Flat Head Screw     | x2 | <b>P25</b> Battery Clamp          | x2 |
|  |  | <b>SB3X10</b> M3x10 Button Head Screw | x4 | <b>AM15-3</b> Battery Nut         | x2 |
|  |  |                                       |    | <b>SH0.5 SH1.0 SH1.75</b> Spacers |    |

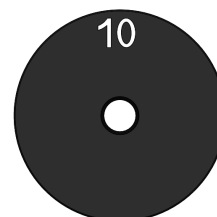


The screwing of **ST110** and **ST105** by chamfered side down almost removes an influence of the round weights on the lower deck flex.

**ST110** or **ST105**



The engraved sides of **ST110** and **ST105** are flat. The opposite sides are chamfered.



**ST110** 10g Round Weight

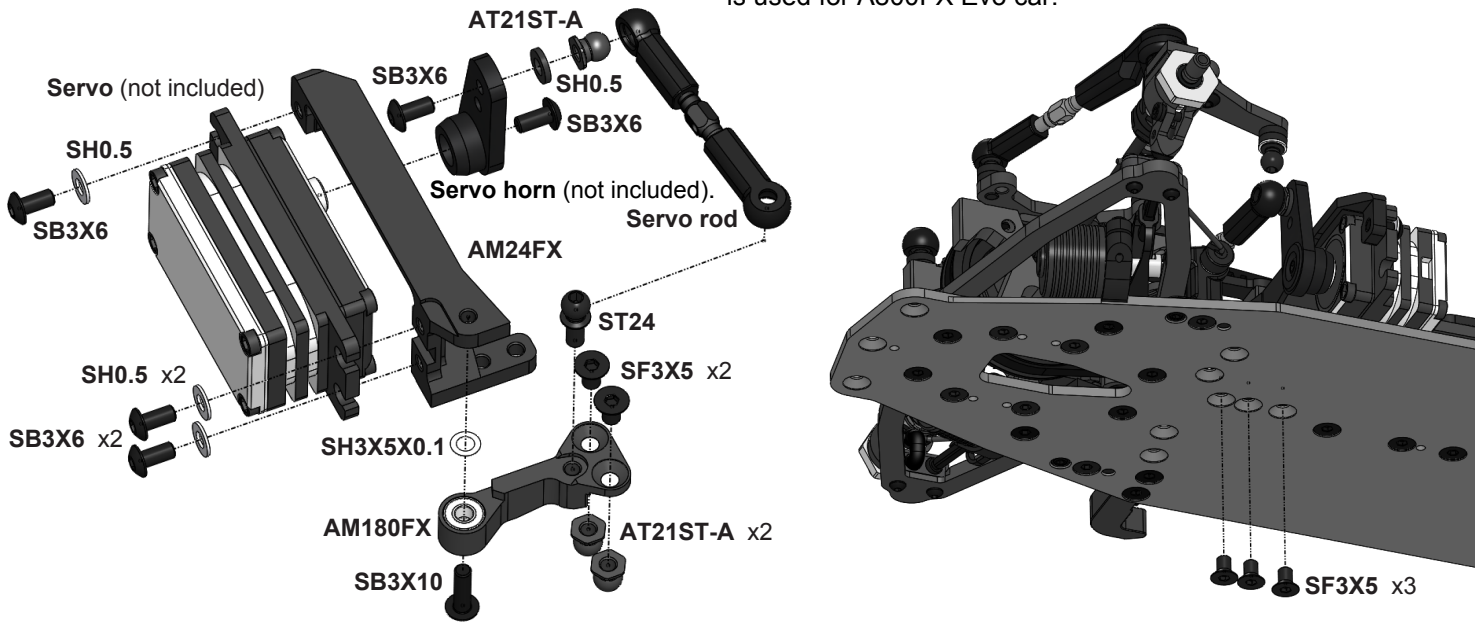


**ST105** 5g Round Weight

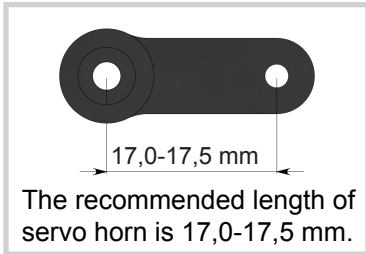
**ST110** and **ST105** Round Weights can be used for adjusting of the proper total weight and for the desirable F/R and R/L weight distribution.

# STEP25

New **SBFX** (Single Bellcrank) steering system is used for A800FX Evo car.



Adjust position of servo on **AM24FX** to provide ~0,5mm clearance between servo and lower deck.

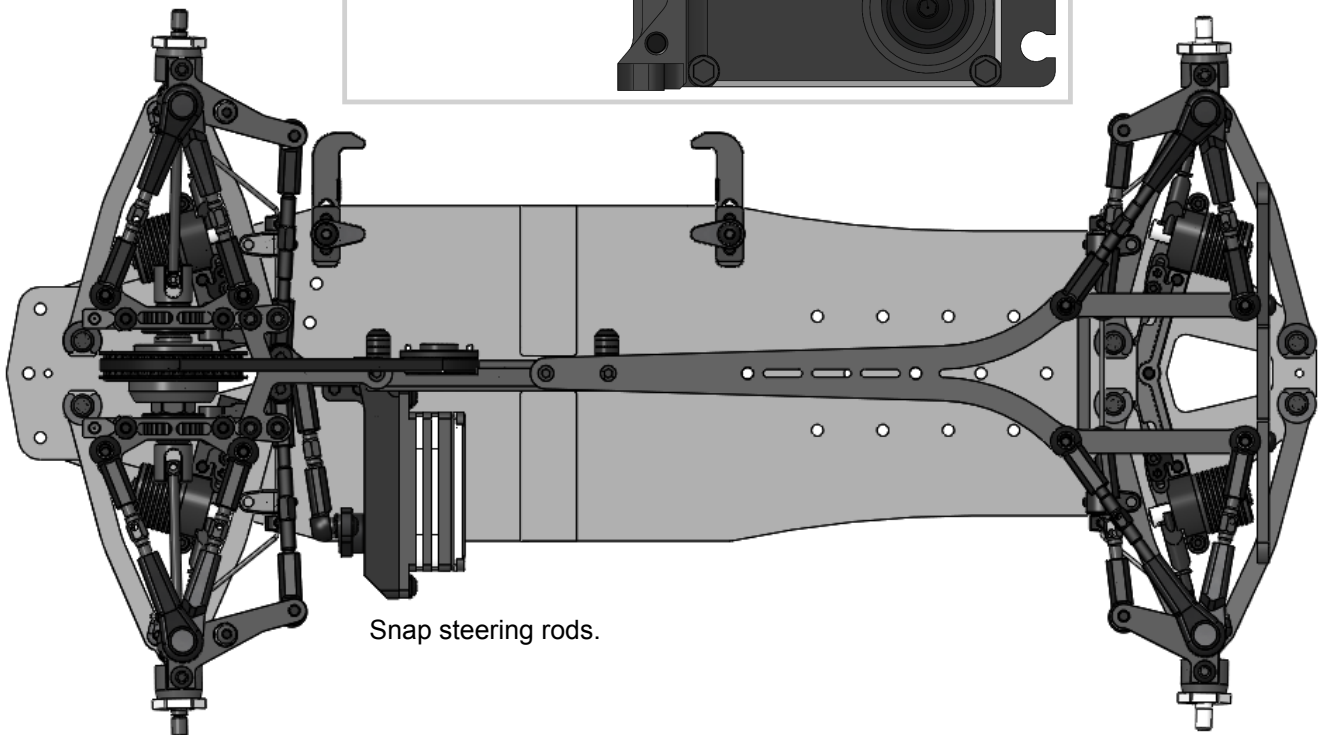
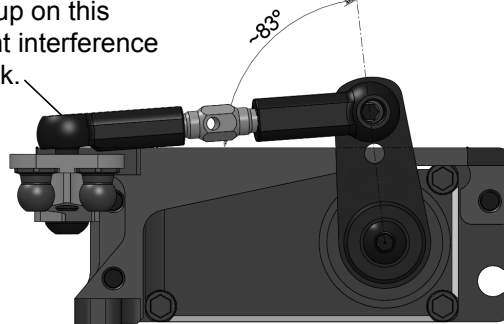


|  |  |  |    |  |                               |    |
|--|--|--|----|--|-------------------------------|----|
|  |  | <b>SB3X6</b> M3x6 Button Head Screw    | x5 |  | <b>AT21ST-A</b> Pivot Ball    | x3 |
|  |  | <b>SF3X5</b> M3x5 Flat Head Screw      | x5 |  | <b>AM24FX</b> Servo Holder    | x1 |
|  |  | <b>SH0.5</b> 6x3x0,5mm Spacer (Silver) | x4 |  | <b>AM180FX</b> Bellcrank      | x1 |
|  |  | <b>SH3X5X0.1</b> 3x5x0,1mm Shim        | x1 |  | <b>ST24</b> 4,8x6mm Ball Stud | x1 |

### Attention!

Cut the top of cup on this **P13-4** to prevent interference with the top deck.

Neutral servo arm position.





### STEP 26

|  |   |    |                            |    |
|--|---|----|----------------------------|----|
|  | <b>SB3X12</b> M3x12 Button Head Screw   | x2 | <b>P14-1X</b> Lower Bumper | x1 |
|  | <b>SF3X10</b> M3x10 Flat Head Screw     | x3 | <b>P14-2</b> Body Post     | x4 |
|  | <b>SB3X8</b> M3x8 Button Head Screw     | x4 | <b>P14-5</b> Upper Bumper  | x1 |
|  | <b>OR06</b> 5mm O-Ring                  | x4 | <b>P15FX</b> Foam Bumper   | x1 |
|  | <b>SH1.75</b> 6x3x1.75mm Spacer (black) | x2 | <b>SPR05</b> Body Clip     | x4 |
|  |   |    | <b>ST230</b> Bumper Weight | x1 |

### STEP 27

**Attention!** Please use  $\leq 4,5$ mm thick spur gears with 2-2,6 mm thickness of the center area.

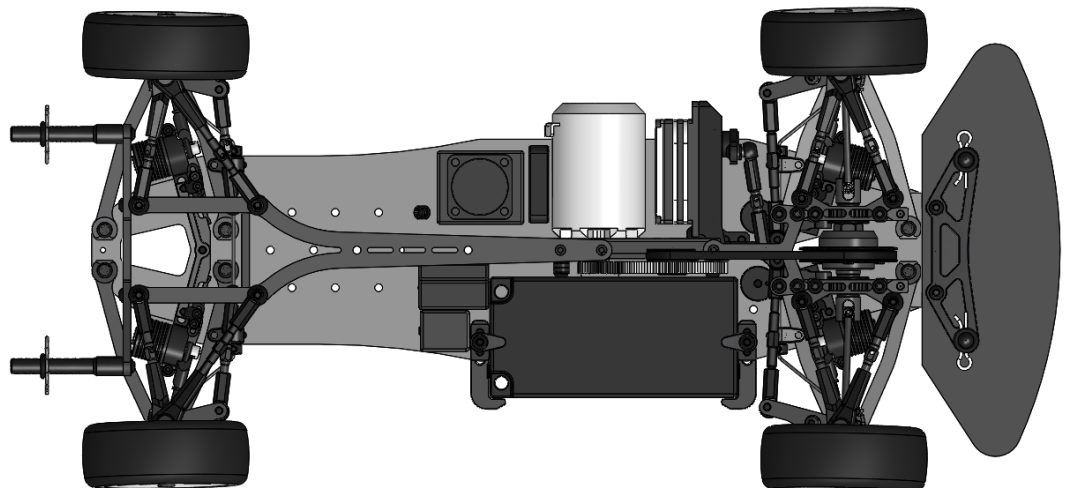
OR06 or OR18V depending of the spur gear thickness

AT55M + OR06/OR18V

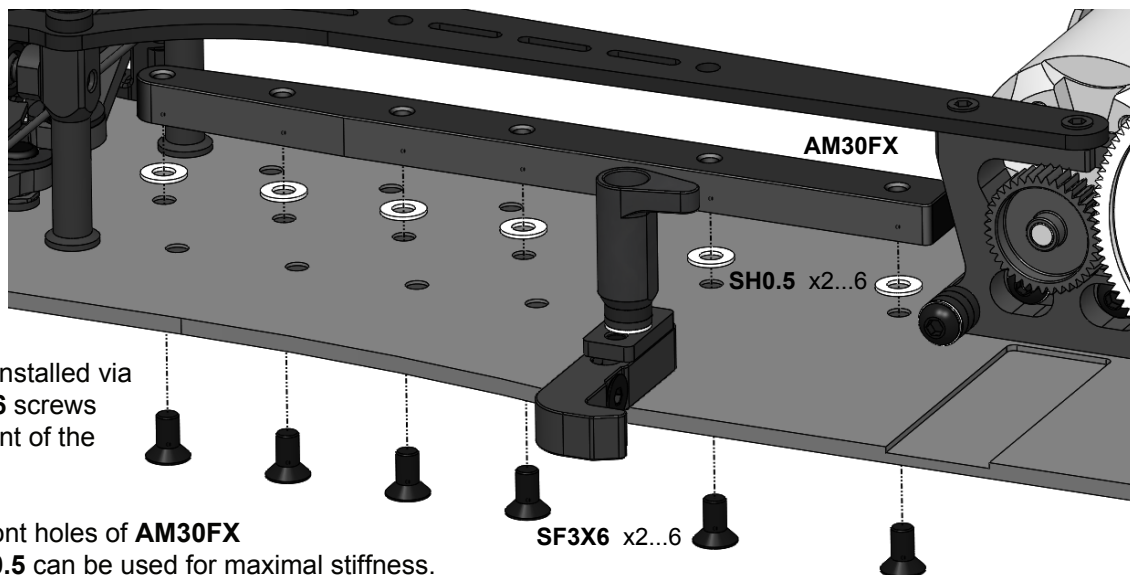
OR06 or OR18V depending of the spur gear thickness

### STEP 28 FINAL ASSEMBLY

**Install:**  
 Speed controller (not included)  
 Receiver (not included)  
 Battery (not included)  
 Motor Fan (not included)  
 Transponder (not included)  
 Wheels (not included)

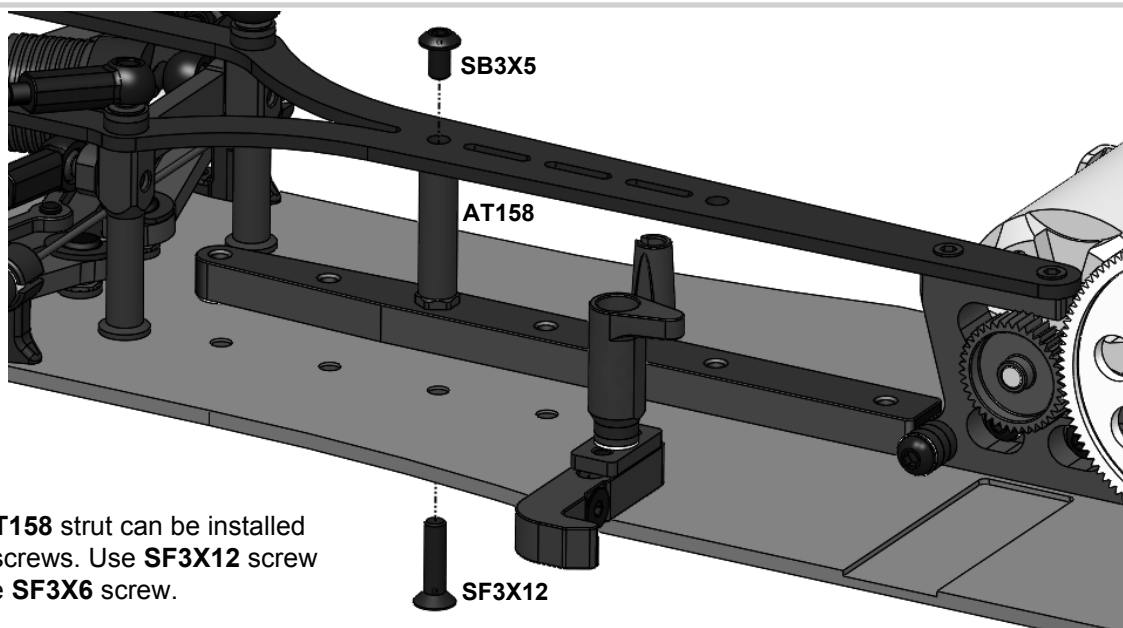


## REAR STIFFENER AND ADDITIONAL FRONT FLEX OPTION

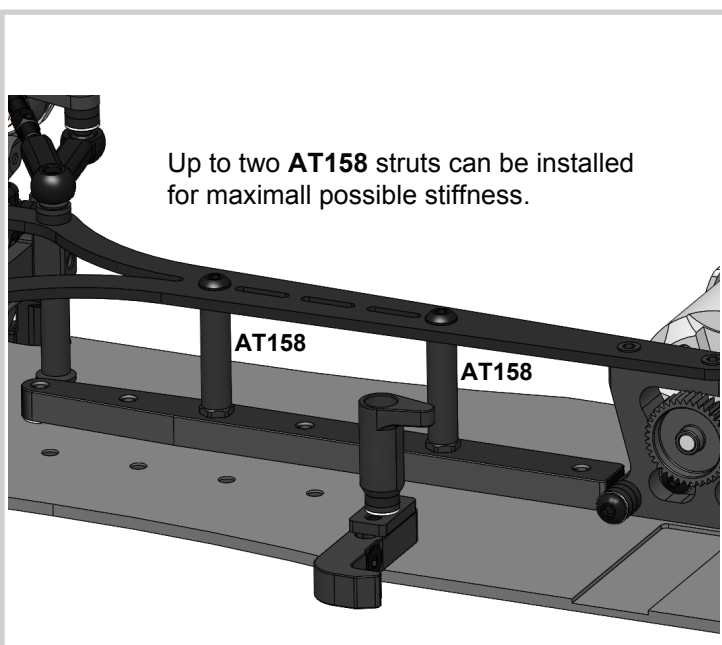


**AM30FX** stiffener can be installed via **SH0.5** spacers and **SF3X6** screws for reducing and adjustment of the car's rear end flex.

Start from two the most front holes of **AM30FX**  
Up to 6 pcs of **SF3X6/SH0.5** can be used for maximal stiffness.

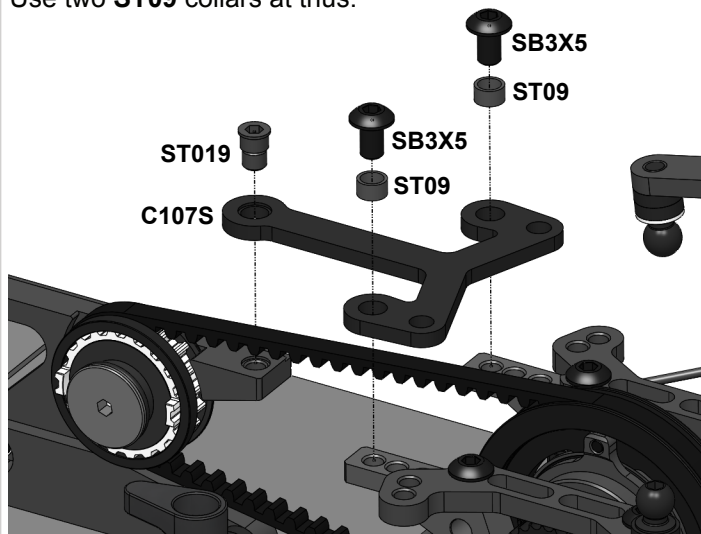


For even less rear flex **AT158** strut can be installed via **SF3X12** and **SB3X5** screws. Use **SF3X12** screw instead of the appropriate **SF3X6** screw.



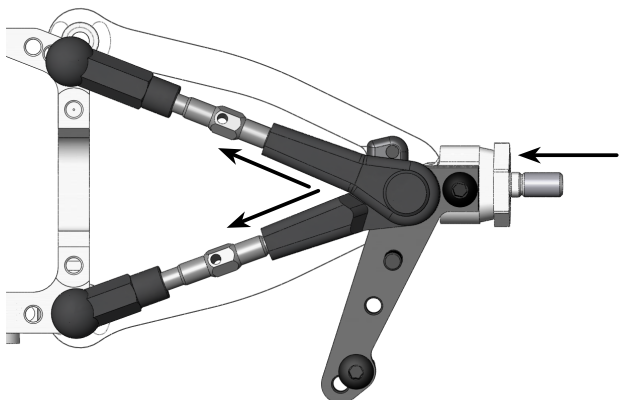
Up to two **AT158** struts can be installed for maximal possible stiffness.

For increasing of the front flex the front top deck **C107S** can be installed via only two **SB3X5** screws instead of four. Use two **ST09** collars at thus.



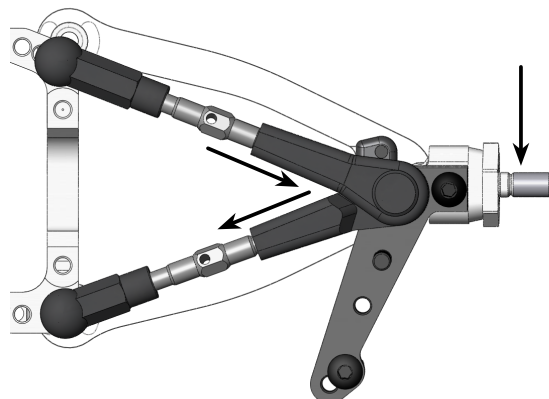
## SUSPENSION SETTING TECHNIQUE

**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.



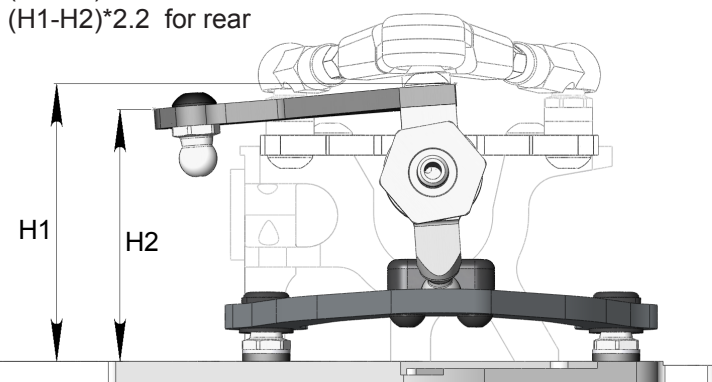
**Attention!** Install SH12X1.5 Spacers on the rear AT13FX Wheel Hexes at using of the set-up stations.

**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.

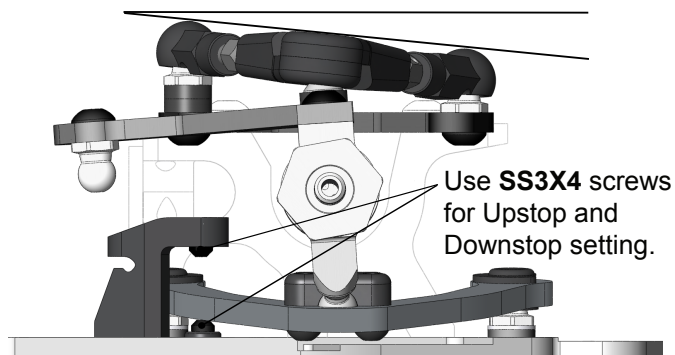


### Caster measuring:

Caster angle° =  
 $(H1-H2)*1.5$  for front  
 $(H1-H2)*2.2$  for rear

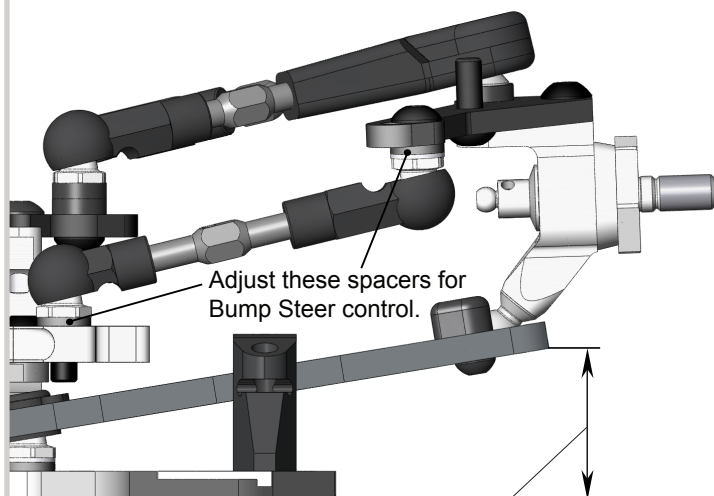


**Reactive Caster** setting is possible.



### Roll Center adjustment:

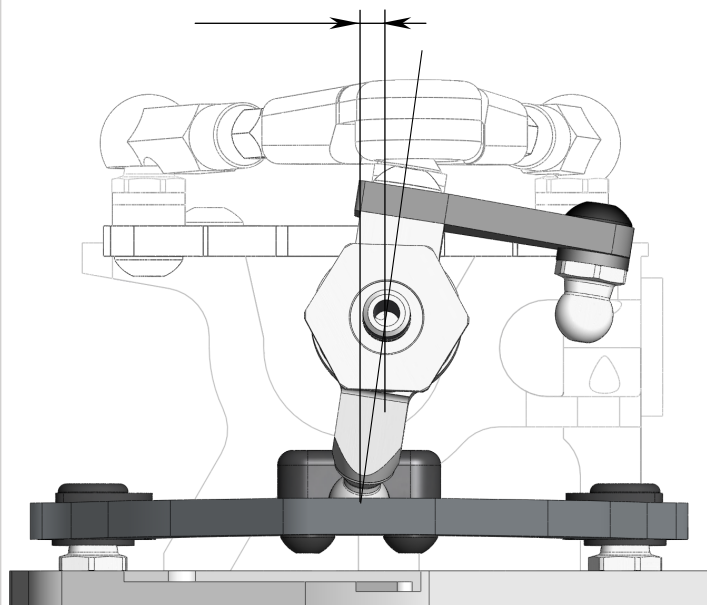
Use combinations of **SH0.5**, **SH1.0** and **SH1.75** Spacers under appropriate Pivot Balls and Ball Studs for this adjustment.



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!** Awesomatix shocks allow to adjust the damping and spring rates without replacement of the shock's fluid and spring.

### 1. Damping and suspension spring rate setting

Increase **A**-distance (slide the damper outward) to increase the damping and spring rates simultaneously and concordantly to each other.

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

Decrease **B** distance (slide **AT119** Spring Screw Holder outward) to increase the spring rate only at the fixed damping rate value.

Use **SRS** Spring Rating Screw to unlock **AT119** and to lock it at desirable position.

### 2. Suspension spring preload setting

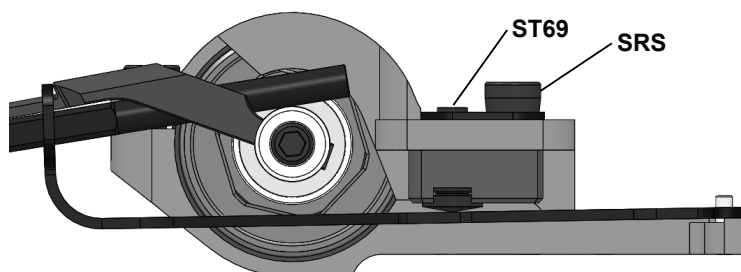
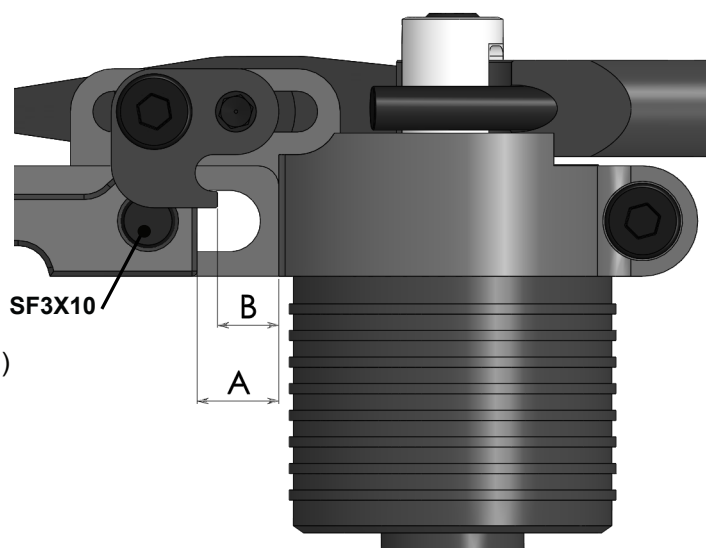
Turn IN (CW) **ST69-00** screw to increase the spring preload.

Turn OUT (CCW) **ST69-00** screw to decrease the spring preload.

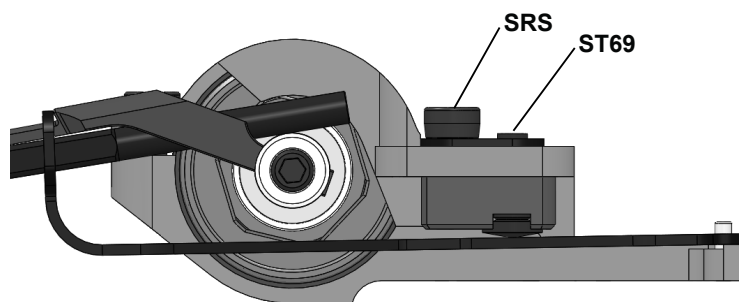
Use spring preload setting to adjust the ride height value.

### 3. SRS/ST69 screws arrangements change

The reverse arrangement of these screws is possible for extension of the suspension spring rate range.

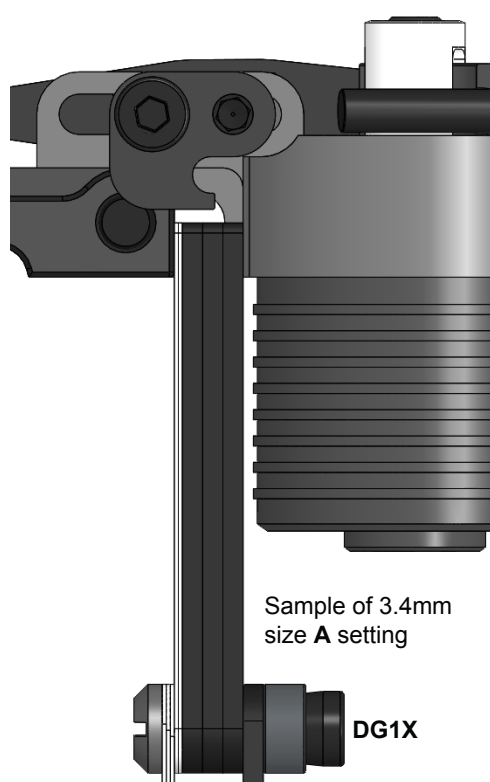
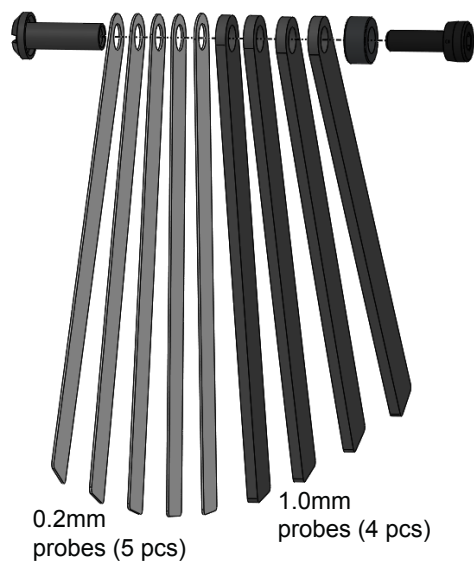


SRS/ST69 screws arrangement I

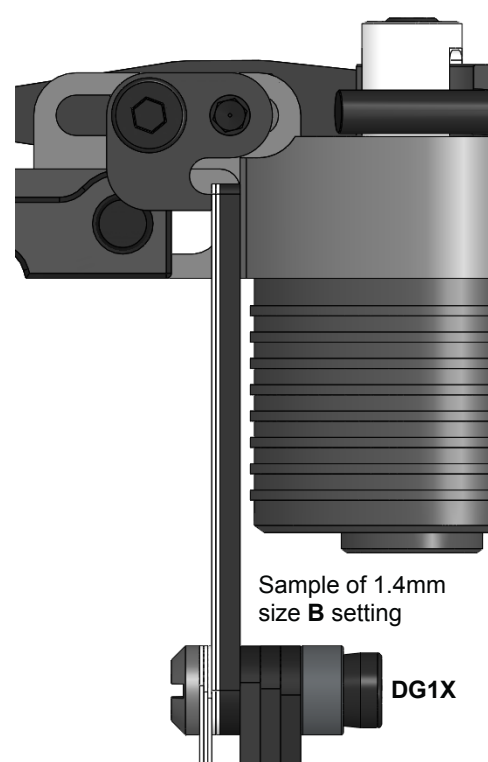


SRS/ST69 screws arrangement II

### 4. Using of DG1X Damper Gauge



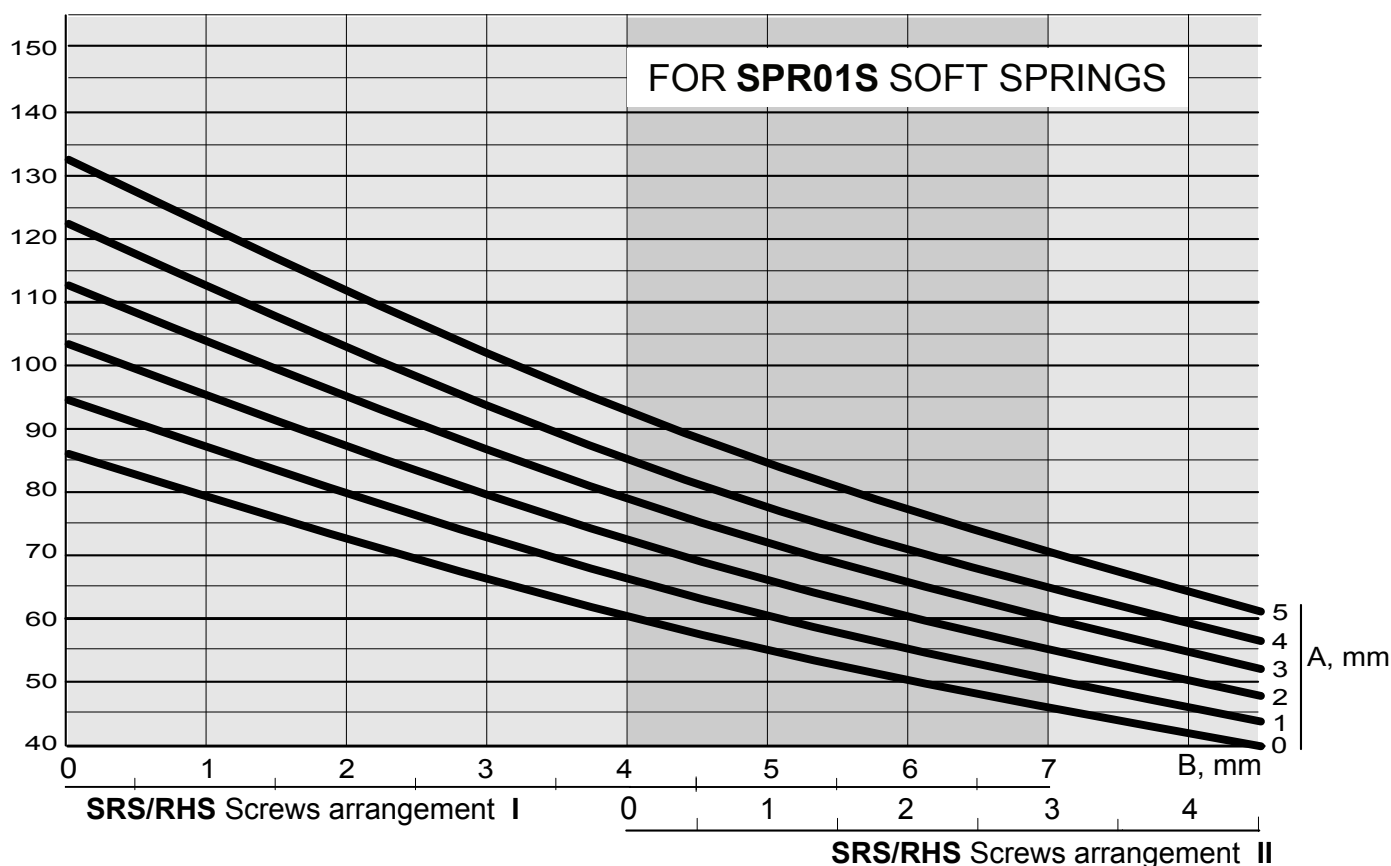
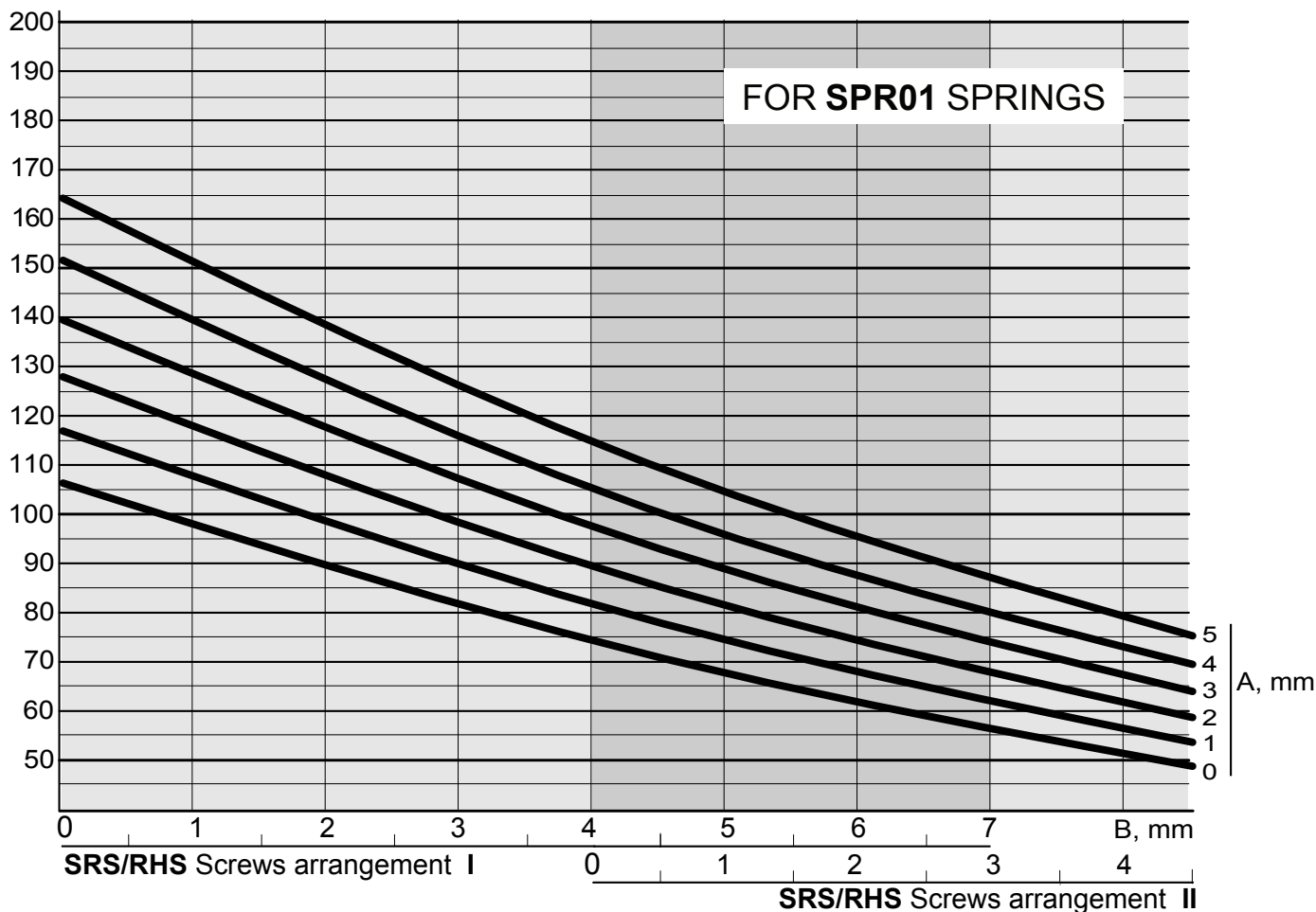
Sample of 3.4mm size A setting



Sample of 1.4mm size B setting

## 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)



# FINAL DRIVE RATIO CHART

DRIVE TRAIN RATIO IS 1,9

## 64dp SPUR GEAR SIZE

64dp PINION GEAR SIZE

| 1,9 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92   | 93   | 94   | 95   | 96    | 97   | 98   | 99   | 100  | 101  | 102  | 103  | 104  | 105  | 106  |      |      |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 28  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      | 7,19 |      |      |
| 29  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      | 6,88 | 6,94 |      |      |
| 30  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      | 6,59 | 6,65 | 6,71 |      |      |
| 31  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      | 6,31 | 6,37 | 6,44 | 6,50 |      |      |
| 32  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      | 6,06 | 6,12 | 6,18 | 6,23 | 6,29 |      |      |
| 33  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      | 5,82 | 5,87 | 5,93 | 5,99 | 6,05 | 6,10 |      |
| 34  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      | 5,64 | 5,64 | 5,70 | 5,76 | 5,81 | 5,87 | 5,92 |
| 35  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      | 5,37 | 5,43 | 5,48 | 5,54 | 5,59 | 5,65 | 5,70 | 5,75 |
| 36  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      | 5,17 | 5,23 | 5,28 | 5,33 | 5,38 | 5,44 | 5,49 | 5,54 | 5,59 |
| 37  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      | 4,98 | 5,03 | 5,08 | 5,14 | 5,19 | 5,24 | 5,29 | 5,34 | 5,39 | 5,44 |      |
| 38  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      | 4,80  | 4,85 | 4,90 | 4,95 | 5,00 | 5,05 | 5,10 | 5,15 | 5,20 | 5,25 | 5,30 |      |      |
| 39  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      | 4,63 | 4,68  | 4,73 | 4,77 | 4,82 | 4,87 | 4,92 | 4,97 | 5,02 | 5,07 | 5,12 | 5,16 |      |      |
| 40  |    |    |    |    |    |    |    |    |    |    |    |    |      |      | 4,47 | 4,51 | 4,56  | 4,61 | 4,66 | 4,70 | 4,75 | 4,80 | 4,85 | 4,89 | 4,94 | 4,99 | 5,04 |      |      |
| 41  |    |    |    |    |    |    |    |    |    |    |    |    | 4,31 | 4,36 | 4,40 | 4,45 | 4,495 | 4,54 | 4,59 | 4,63 | 4,68 | 4,73 | 4,77 | 4,82 | 4,87 | 4,91 |      |      |      |
| 42  |    |    |    |    |    |    |    |    |    |    |    |    | 4,16 | 4,21 | 4,25 | 4,30 | 4,34  | 4,39 | 4,43 | 4,48 | 4,52 | 4,57 | 4,61 | 4,66 | 4,70 | 4,75 | 4,80 |      |      |
| 43  |    |    |    |    |    |    |    |    |    |    |    |    | 4,02 | 4,07 | 4,11 | 4,15 | 4,20  | 4,24 | 4,29 | 4,33 | 4,37 | 4,42 | 4,46 | 4,51 | 4,55 | 4,60 | 4,64 | 4,68 |      |
| 44  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 45  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 46  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 47  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 48  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 49  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 50  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 51  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 52  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 53  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 54  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 55  |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |

## 48dp SPUR GEAR

48dp PINION GEAR SIZE

| 1,9 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |  |  |  |  |      |      |      |      |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|------|------|------|------|
| 21  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      | 7,24 |      |      |
| 22  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 6,82 | 6,91 |      |      |
| 23  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 6,44 | 6,53 | 6,61 |      |
| 24  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 6,10 | 6,18 | 6,25 | 6,33 |
| 25  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 26  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 27  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 28  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 29  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 30  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 31  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 32  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 33  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 34  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 35  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 36  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 37  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 38  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 39  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 40  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |
| 41  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |      |      |      |      |

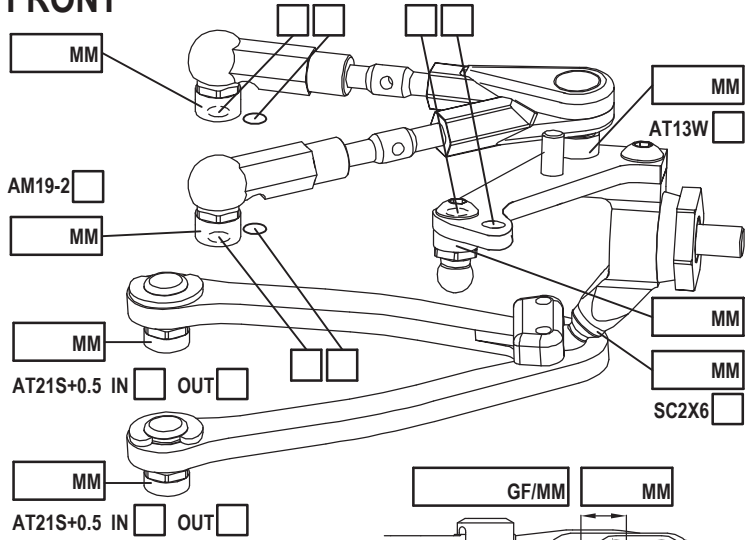
# AWESOMATIX A800FX Evo

## SETUP SHEET

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

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

### FRONT



CAMBER ANGLE / ° \_\_\_\_\_

CASTER ANGLE / ° \_\_\_\_\_

TOE ANGLE / ° \_\_\_\_\_

RIDE HEIGHT / MM \_\_\_\_\_

DOWNSTOP / MM \_\_\_\_\_

UPWNSTOP / MM \_\_\_\_\_

STABILIZER Ø / MM \_\_\_\_\_

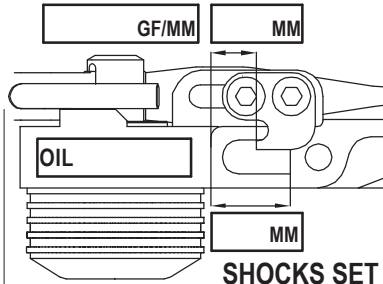
LOW ARM C04M1+9.0

STEER. ARM AM14FX

WHEELHUB AM06WL

DRIVE SPOOL  DIFF

DIFF. OIL \_\_\_\_\_  
 WHEEL SPACER / MM \_\_\_\_\_

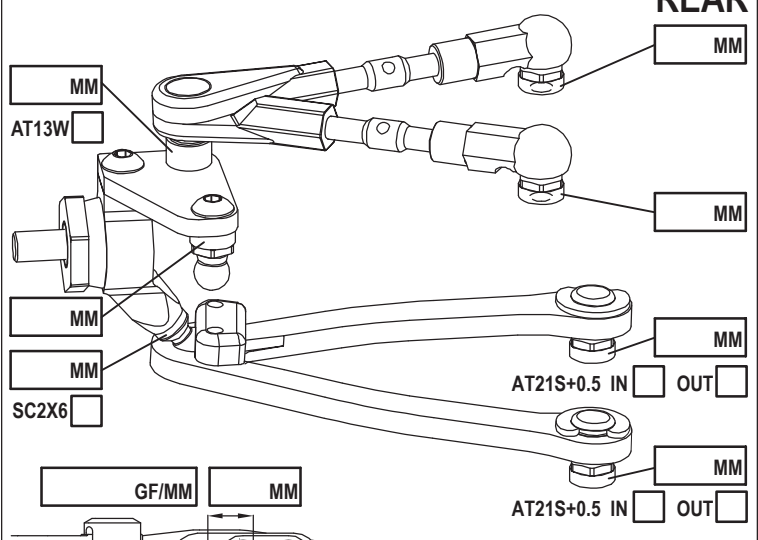


### SHOCKS SET

ROTOR STD    
 SPRING STD  S   
 DAMPER D2.2    
 SRS/ST69 ARR. I  II   
 PSS SETUP 15%  25%

DIFF WASHERS  
 STEERING SBFX  LS

### REAR



CAMBER ANGLE / ° \_\_\_\_\_

CASTER ANGLE / ° \_\_\_\_\_

TOE ANGLE / ° \_\_\_\_\_

RIDE HEIGHT / MM \_\_\_\_\_

DOWNSTOP / MM \_\_\_\_\_

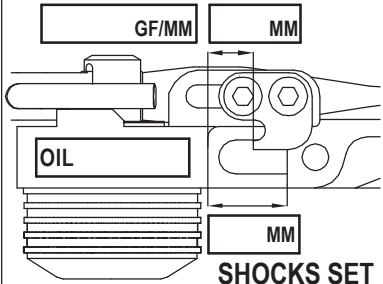
UPWNSTOP / MM \_\_\_\_\_

STABILIZER Ø / MM \_\_\_\_\_

LOW ARM C04M1+8.0

STEER. ARM AM23-1

WHEELHUB AM06WL

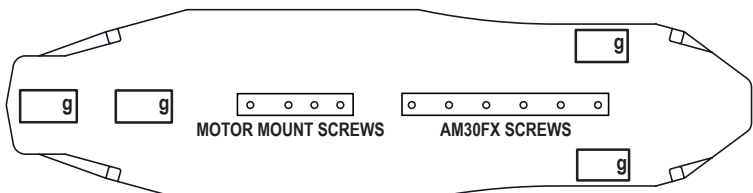


### SHOCKS SET

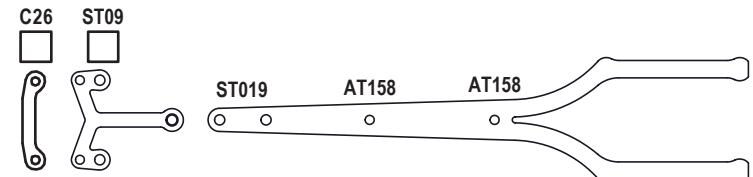
ROTOR STD    
 SPRING STD  S   
 DAMPER D2.2    
 SRS/ST69 ARR. I  II   
 PSS SETUP 15%  25%

WHEEL SPACER / MM \_\_\_\_\_

### CHASSIS FLEX AND WEIGHT SETTINGS



LOWER DECK C01FXCL  C01FXAL



REAR TOP DECK C27FX-2

FRONT TOP DECK C107S

### TIRES

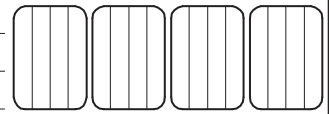
INSERTS \_\_\_\_\_

WHEELS \_\_\_\_\_

ADDITIVE \_\_\_\_\_

TOTAL WEIGHT \_\_\_\_\_

NOTES:



TIME

FR

RR

WEIGHT DISTRIBUTION

F

%

R

%

MOTOR LATERAL SHIFT / MM \_\_\_\_\_

MOTOR \_\_\_\_\_

SPUR PINION RATIO \_\_\_\_\_

BODY \_\_\_\_\_

WING \_\_\_\_\_

ESC \_\_\_\_\_

ESC SETTING \_\_\_\_\_

BEST LAPTIME \_\_\_\_\_

ACKERMANN SHIMS / MM \_\_\_\_\_

SERVO \_\_\_\_\_

STEER TRAVEL IN \_\_\_\_\_ OUT \_\_\_\_\_

BATTERY \_\_\_\_\_

RECEIVER \_\_\_\_\_

RADIO \_\_\_\_\_

QUALIF./FINAL POSITION \_\_\_\_\_ / \_\_\_\_\_

COMMENTS: Editable setup sheet can be downloaded from: <https://site.petitrc.com/reglages/awesomatix/setupa800fx/>

## Standard Spare Parts

| Parts#   | Description           | Parts#     | Description                    |
|----------|-----------------------|------------|--------------------------------|
| AM06WL   | Steering Block        | P39        | GD2 Cross Pin                  |
| AM14FX   | Steering Arm          | P45R       | Damper Piston                  |
| AM15-3   | Battery Nut           | P46R       | Diff Piston                    |
| AM17XL   | Damper Holder L       | P49        | Steering Rack FWD              |
| AM17XR   | Damper Holder R       | P56        | Antenna Holder                 |
| AM19FX   | Upper Arm Holder      | P110       | Bearing Housing                |
| AM23-1   | Rear Steering Arm     | P138       | 38T Pulley                     |
| AM24FX   | Central Servo Holder  | C01FXCL    | Carbon Lower Deck              |
| AM30FX   | Rear Stiffener        | C01FXA     | Alloy Lower Deck               |
| AM77FX   | Motor Mount FWD       | C04M1+8.0  | Suspension Arm                 |
| AM78FX   | Bulkhead              | C04M1+9.0  | Suspension Arm                 |
| AM88R    | Shock Holder R        | C27FX-2    | Rear Top Deck                  |
| AM88L    | Shock Holder L        | C34        | Rear Strut FX                  |
| AM180FX  | Bellcrank             | C105A      | Rear Adjustable Body Holder FX |
| AT13     | Wheel Hex             | C107S      | Front Top Soft Deck FX         |
| AT13FX   | Rear Wheel Hex FWD    | SWB10      | Sway Bar 1,0mm                 |
| AT14     | Turnbuckle            | SWB11      | Sway Bar 1,1mm                 |
| AT21ST-A | Pivot Ball            | SWB12      | Sway Bar 1,2mm                 |
| AT25     | Turnbuckle Long       | SPR01      | Shock Spring                   |
| AT25-44  | Turnbuckle Long 44 mm | SPR02X     | Shock Rod Guide                |
| AT40-1   | Damper Cup            | SPR03      | Shock Pointer                  |
| AT41-2   | Damper Vane           | SPR05      | Body Clip                      |
| AT42-1   | Damper Case           | SPR07      | E-Ring                         |
| AT55M    | Spur Nut              | SH0.5      | 6x3x0,5mm Spacer (silver)      |
| AT119    | Spring Screw Holder   | SH1.0      | 6x3x1,0mm Spacer (gray)        |
| AT120-FX | 20T Alloy Pulley FWD  | SH1.75     | 6x3x1,75mm Spacer (black)      |
| AT123B   | GD2B Case1            | SH12X1.5   | 4x12x1,5mm Spacer              |
| AT124B   | GD2B Case2            | SH3X5X0.1  | 3x5x0,1mm Shim                 |
| AT142    | Sway Bar Stopper      | WA02       | 3x5x0,2 Washer                 |
| AT157    | Rear Upright FX       | WA03       | 5x15x0,3 Washer                |
| AT158    | Strut FX              | PIN01      | 1,5x7,8 Pin                    |
| ST01     | Front Axle            | PIN02      | 1,5x5,8 Pin                    |
| ST03     | Ball Stud             | OR13V      | 1x13 mm O-ring                 |
| ST05L    | Shock Rod             | OR05V      | GD O-Ring Medium               |
| ST69-00  | Linear Spring Screw   | OR06       | 5,5mm O-RING                   |
| ST113    | IFJ Universal Bone    | OR155V     | Damper O-Ring                  |
| ST116    | IFJ/IRJ Cross         | OR18       | 1x8mm O-ring                   |
| ST16     | U-Joint Cross         | B106RS     | MR106RS Bearing                |
| ST17-1   | Universal Ring        | B85        | MR85 Bearing                   |
| ST019    | Top Deck Screw        | B84SS      | MR84ZZ Bearing                 |
| ST23X    | IRJ Outdrive          | B63SS      | MR63ZZ Bearing                 |
| ST24     | 4,8x6mm Ball Stud     | B415       | B415ZZ Bearing                 |
| ST24M    | 4,8x8mm Ball Stud     | SRS        | Spring Rating Screw            |
| ST31-1   | GD2 Output Axle       | SC2X4      | M2x4 Cap Head Screw            |
| ST38     | Universal Nut         | SC2X6      | M2x6 Cap Head Screw            |
| ST68     | Flanged Wheel Nut     | SB2.5X8    | M2,5x8 Button Head Screw       |
| ST105    | Round Weight 5g       | SS3X3      | M3x3 Set Screw                 |
| ST110    | Round Weight 10g      | SS3X3-914  | M3x3 Set Screw DIN914          |
| ST230    | Bumper Weight FX 130g | SS3X4      | M3x4 Set Screw                 |
| G07      | GD2 Satellite Gear    | SB3X4F     | M3x4 Flange Head Screw         |
| G08      | GD2 Bevel Gear        | SB3X5      | M3x5 Button Head Screw         |
| D2.2-S-P | Damper                | SB3X6      | M3x6 Button Head Screw         |
| P01      | Ball Joint-1          | SB3X8      | M3x8 Button Head Screw         |
| P02      | Ball Joint-2          | SB3X10     | M3x10 Button Head Screw        |
| P03      | Arm Ball Cap          | SF3X5      | M3x5 Flat Head Screw           |
| P04      | Arm Hasp              | SF3X6      | M3x6 Flat Head Screw           |
| P05      | Sway Bar Joint        | SF3X8      | M3x8 Flat Head Screw           |
| P07      | Arm Clip              | SF3X10     | M3x10 Flat Head Screw          |
| P12X     | Sway Bar Holder       | SF3X12     | M3x12 Flat Head Screw          |
| P13-4    | Ball End              | BEL225B    | Belt 225 mm Bando              |
| P14X     | Bumper Set            | DG1X       | Damper Gauge Set               |
| P15FX    | Foam Bumper FWD       | STS-A800FX | A800FX Evo Stickers Sheet      |
| P16      | Lock Ring             |            |                                |
| P23      | Outer Battery Holder  |            |                                |
| P25      | Battery Clamp         |            |                                |

## Optional Parts

| Parts#     | Description                  |
|------------|------------------------------|
| C01FXCLH   | Carbon Lower Deck Hard       |
| C04M1+1.5  | Suspension Arm Long          |
| C04AL1+0.5 | Alloy Suspension Arm         |
| C04AL1+1.5 | Alloy Suspension Arm Long    |
| C04AL+8.0  | Alloy Suspension Arm Long    |
| C04AL+9.0  | Alloy Suspension Arm Long    |
| C07A       | Carbon Bumper                |
| C26        | Top Stiffener                |
| C27FX-L    | Top Deck Long                |
| C107       | Front Top Deck FX            |
| ST09       | Upper Collar                 |
| ST17       | Universal Ring               |
| ST24L      | 4,8x10mm Ball Stud           |
| ST69-00    | Linear Spring Screw          |
| ST113US    | IFJ Universal Bone           |
| ST265      | Bumper Weight FX 115g        |
| AT06       | Alloy Antenna Holder         |
| AT13W      | Wheel Hex Wide               |
| AT15       | Bearing Spacer               |
| AT21ST-A   | Pivot Ball Steel Short       |
| AT78       | Damper Piston                |
| AT139      | Fan Holder                   |
| AT144      | ULCG Battery Clamp           |
| AM06L      | Steering Block               |
| AM12-1     | Alloy Battery Holder         |
| AM14LS     | Steering Arm                 |
| AM19-2     | Upper Arm Holder             |
| AM19-2US   | Upper Arm Holder             |
| AM19-4X    | Upper Arm Holder             |
| AM78FXH    | Bulkhead Heavy               |
| DT10-2-1   | Bearing Housing              |
| DT10-3     | Bearing Housing              |
| P20        | Front Universal Ring         |
| P40F       | Servo Arm (Futaba)           |
| P40K       | Servo Arm (KO)               |
| P138LFA    | 38T Pulley Low Friction      |
| SB3X5AL    | M3x5 Alloy Button Head Screw |
| SH0.1      | 6x8x0.1 Shim                 |
| SH0.25     | 3x6x0.25mm Shim              |
| SH3X5X0.5  | 3x5x0.5mm Shim               |
| SS3X5      | M3x5 Set Screw               |
| SWB13      | Sway Bar 1.3mm               |
| BW22       | Battery Holder 22g           |
| T01        | 5.5/4 mm Wrench              |
| FCB        | Flexible Caster Block Set    |
| BC1        | Battery Clamp Set            |
| PSS        | Progressive Spring System    |
| LSFX       | Linear Steering FX Set       |
| BDL        | Body Downtravel Limiter Set  |





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