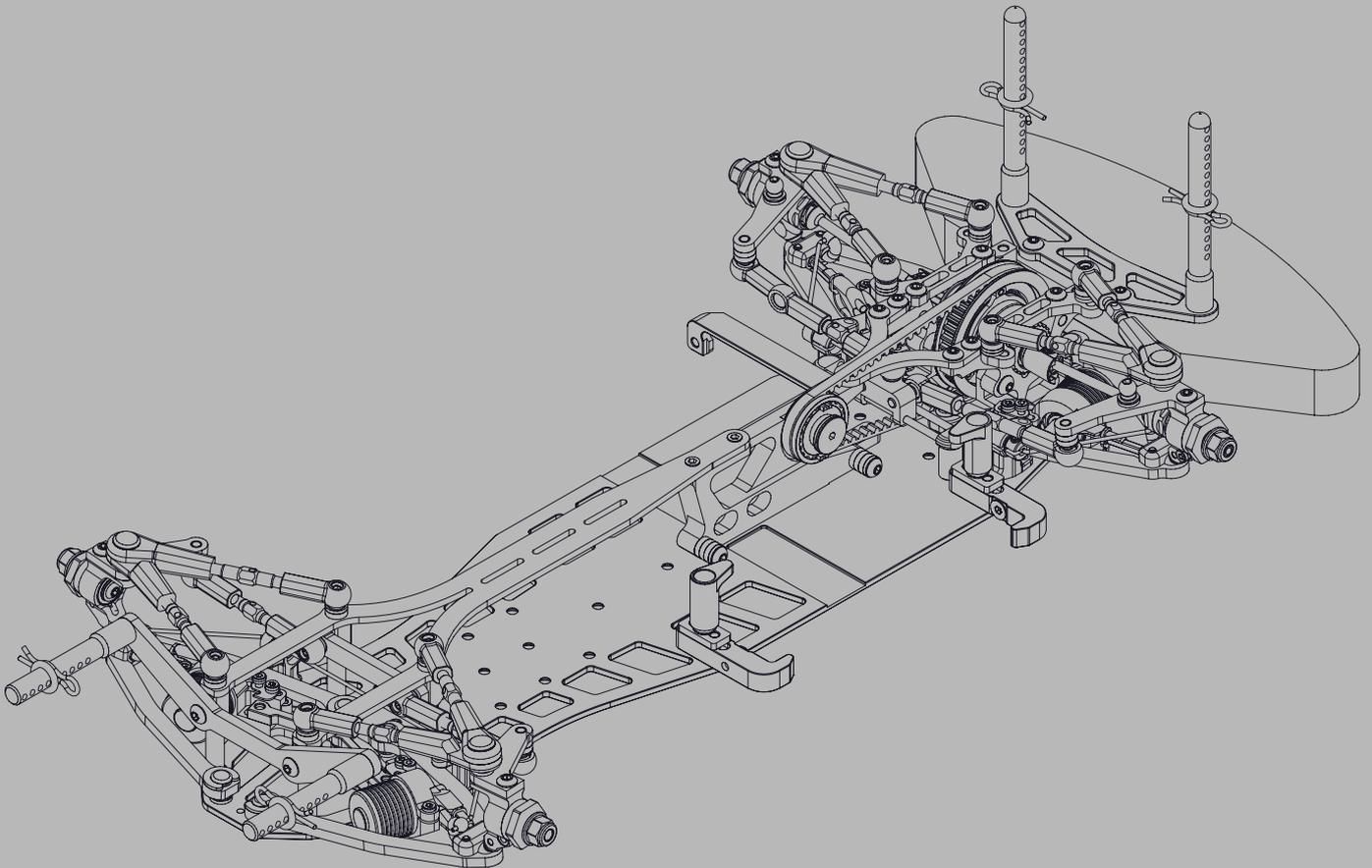


A800FX

1/10-SCALE FRONT-WHEEL DRIVE TOURING CAR



INSTRUCTION MANUAL

INTRODUCTION

Congratulations on purchasing your Awesomatix car!
The A800FX car was produced by UAB Awesomatix company.
The A800FX car utilises many unique features, including some patented innovations.

BEFORE YOU START

The A800FX 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. If, for any reason, you decide that you do not want your A800FX car you must not begin assembly.

Your A800FX 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 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 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 assembling on the Internet site: <http://site.petitrc.com/reglages/awesomatix/SetupSheetsAwesomatixA800.html>

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.

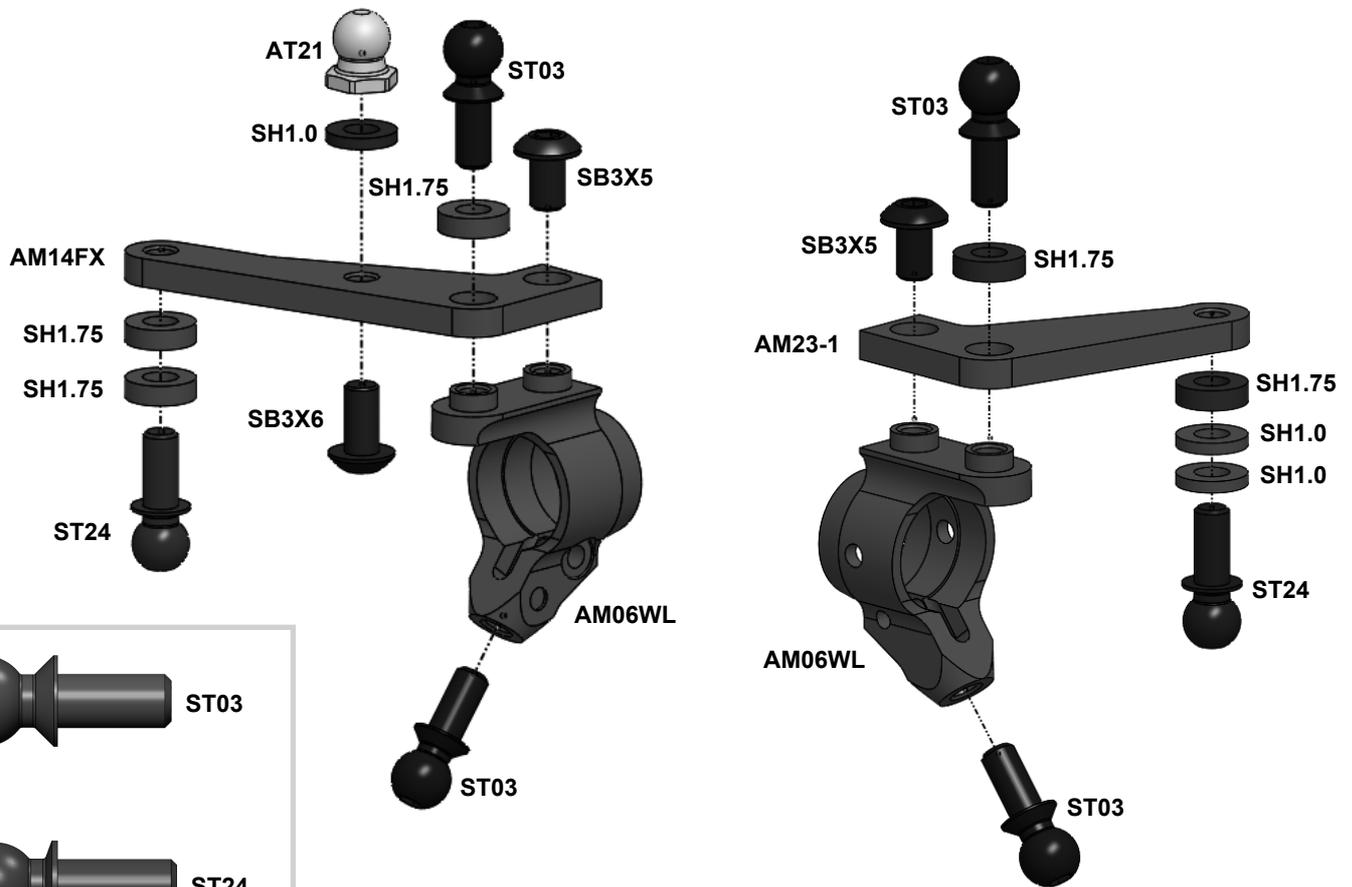
EQUIPMENT RECOMMENDED (NOT INCLUDED)

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

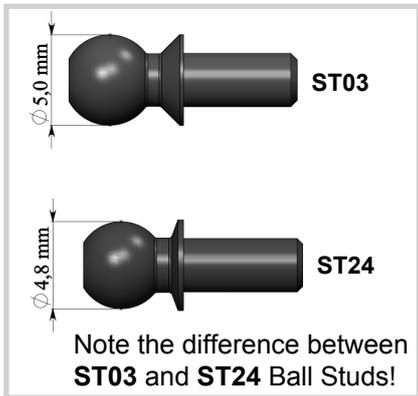
TOOLS RECOMMENDED (NOT INCLUDED)

- 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



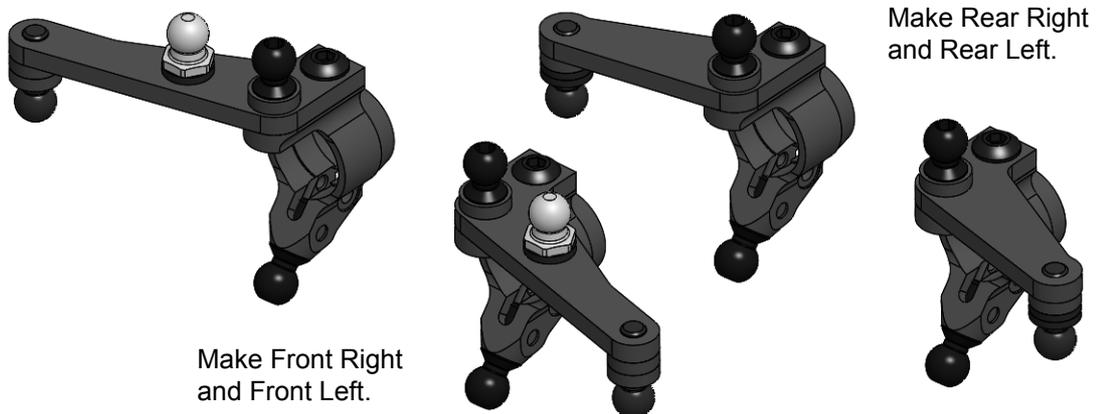
Note: The last turns of the lower **ST03** Ball Studs and **SB3X5** screws can be tight. Screw them with force.



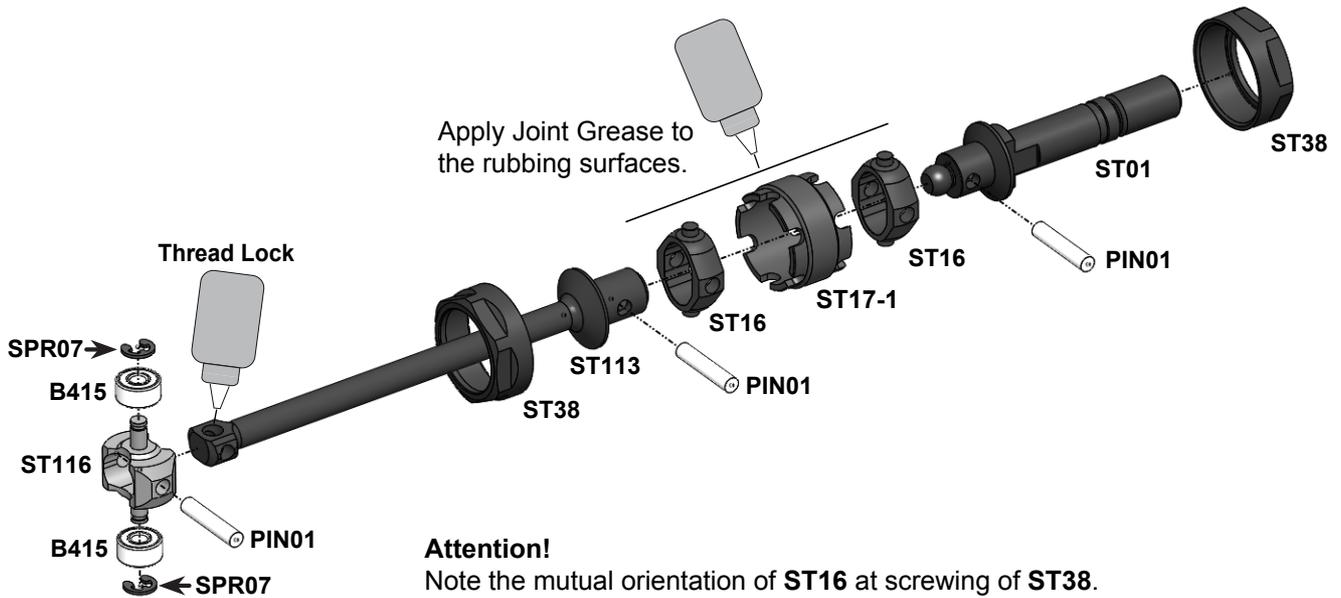
		SB3X5 M3x5 Button Head Screw	x4	ST03 Ball Stud	x8
		SB3X6 M3x6 Button Head Screw	x2	AM06WL Steering Block	x4
		SH1.0 6x3x1mm Spacer (Gray)	x6	AM14FX Steering Arm	x2
		SH1.75 6x3x1.75mm Spacer (Black)	x10	AM23-1 Rear Steering Arm	x2
		AT21 Pivot Ball	x2	ST24 4,8mm Ball Stud	x4

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

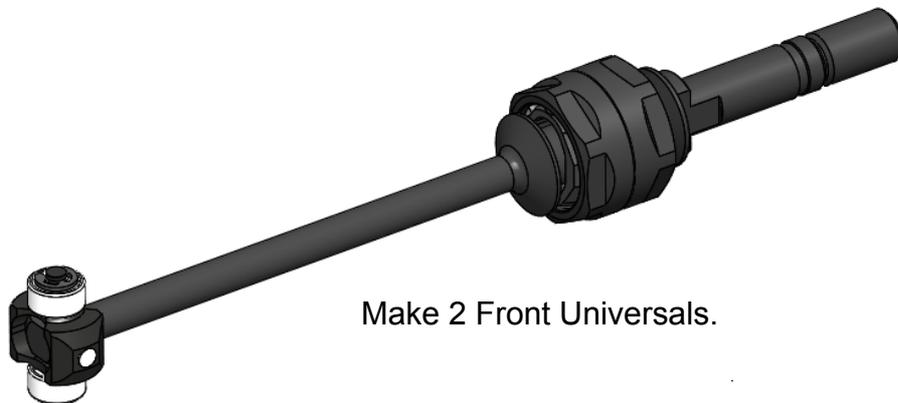


Attention!

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).

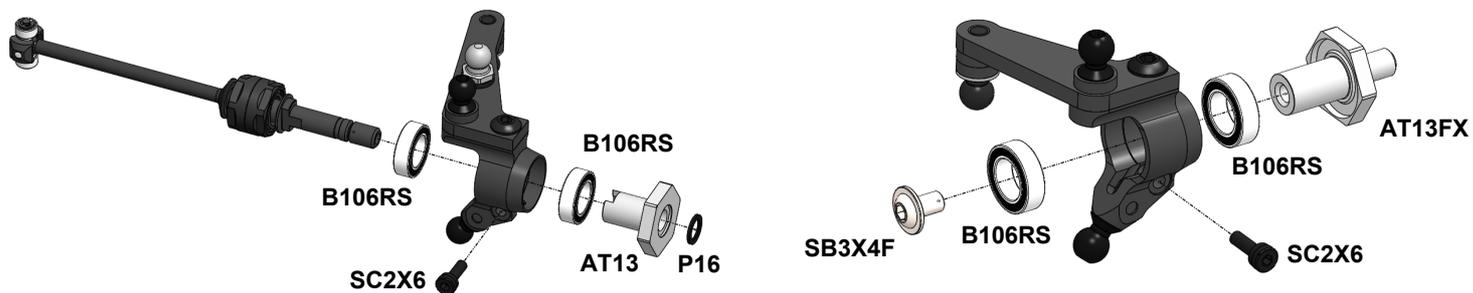
	PIN01 1.5x7.8 Pin	x6	ST01 Front Axle	x2
	SPR07 E-Ring	x4	ST16 U-Joint Cross	x4
	B415 Bearing	x4	ST17-1 Universal Ring	x2
	ST116 IFJ/IRJ Cross	x2	ST113 Front Universal Bone	x2
			ST38 Universals Nut	x2

STEP 2 FINISHED



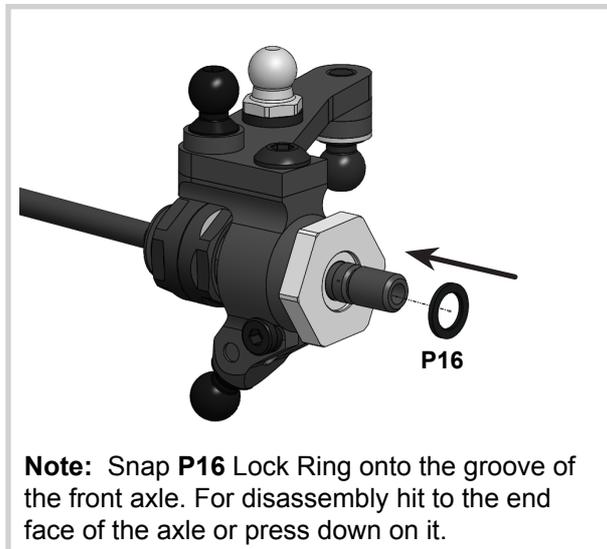
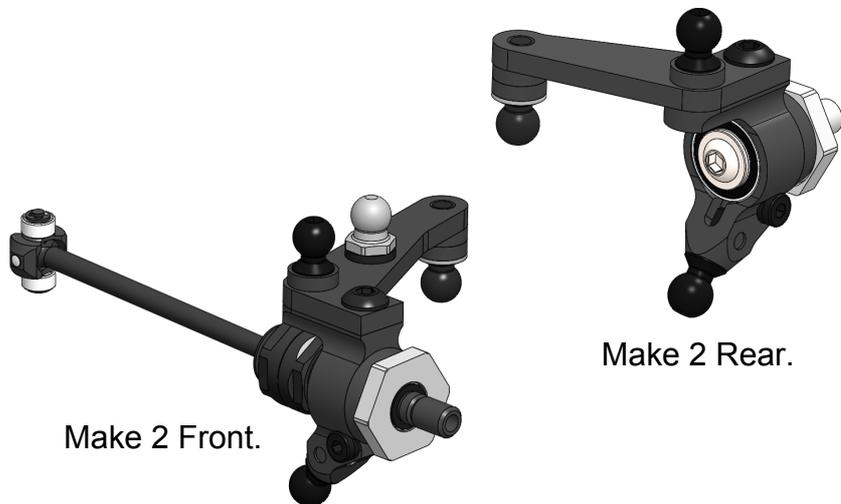
Make 2 Front Universals.

STEP 3



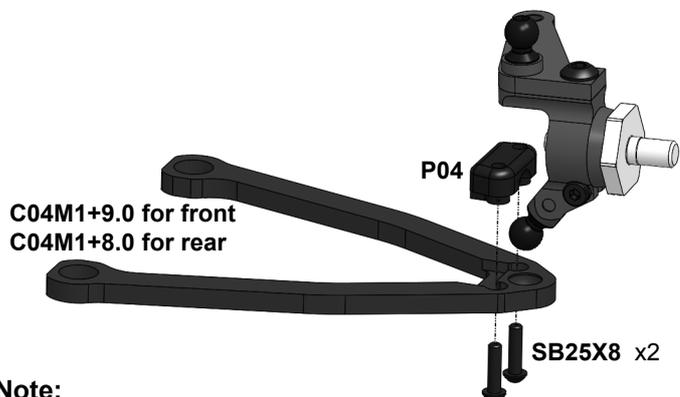
	B106RS MR106RS Bearing	x8		AT13 Wheel Hex	x2
	SC2X6 M2x6 Cap Head Screw	x4		AT13FX Wheel Hex	x2
	P16 Lock Ring	x2		SB3X4F Flanged Screw	x2

STEP 3 FINISHED



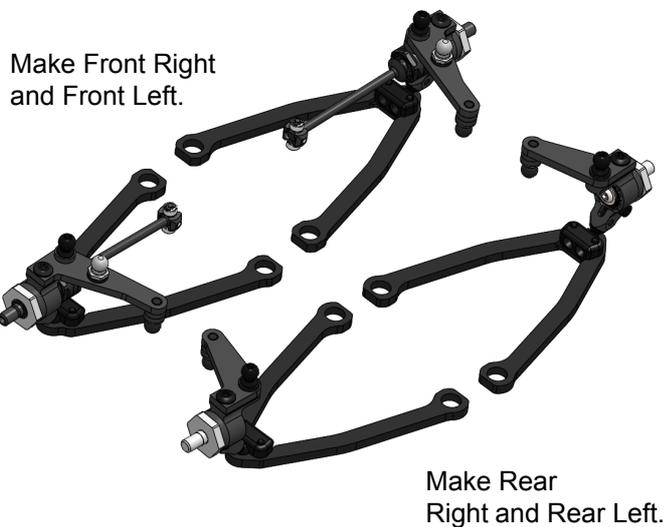
STEP 4

	SB25X8 M2.5x8 Button Head Screw	x8
	C04M1+8.0 Suspension Arm	x2
	C04M1+9.0 Suspension Arm	x2
	P04 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



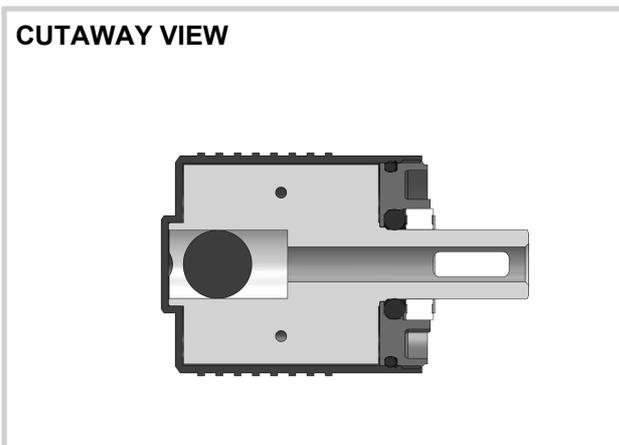
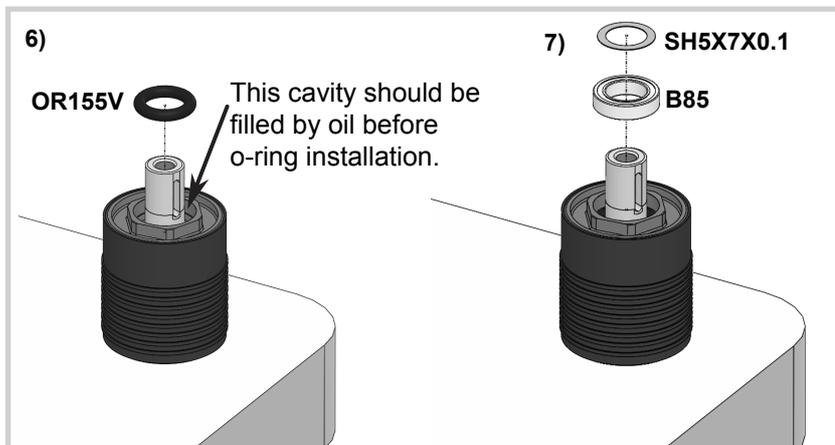
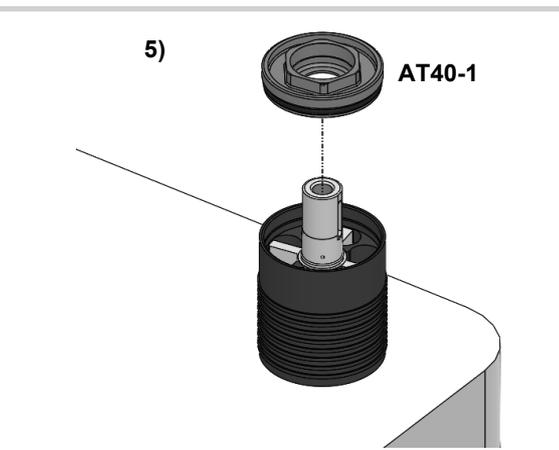
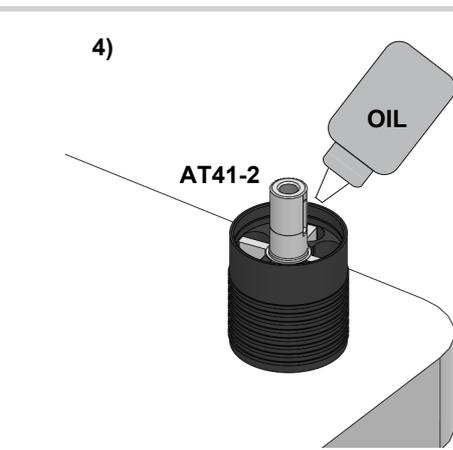
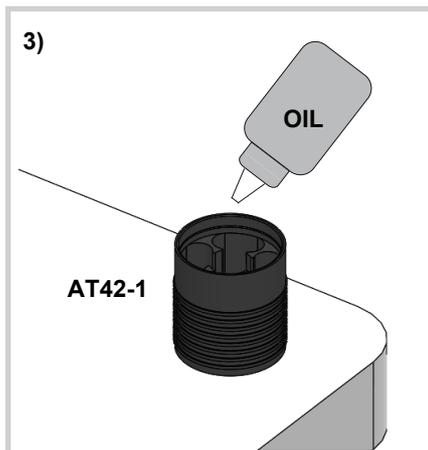
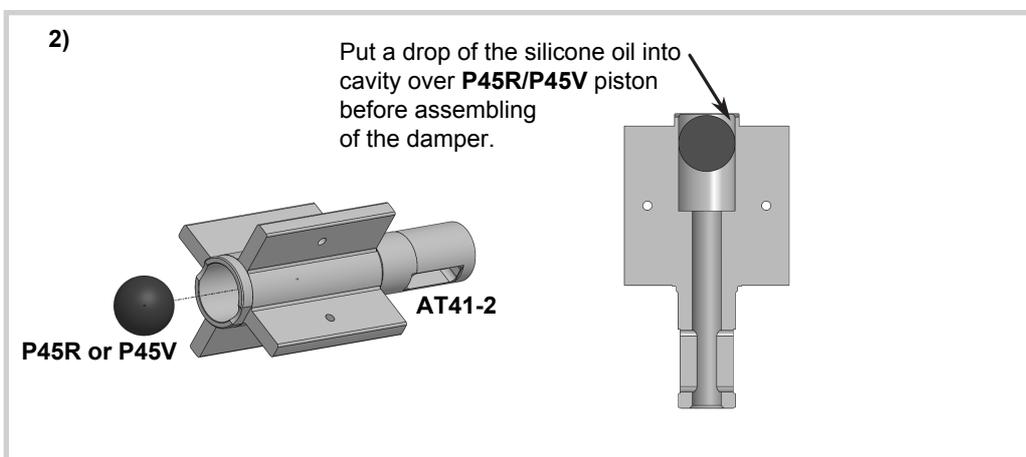
Rebuildable Damper Set

Note: Every **A800FX** kit includes four factory assembled and oil filled **D2.2** Rebuildable Dampers. **D2.2** damper allows for both dampening adjustment via thicker silicone oil, and consistent performance since the racer can rebuild the shock. The factory assembled and oil filled **D2.2** Rebuildable Dampers come with 500 cst pure silicone oil inside.

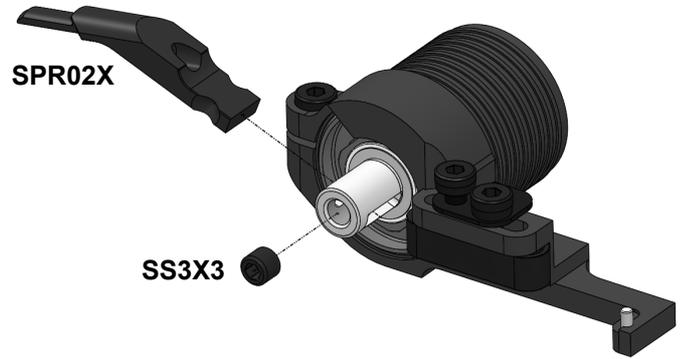
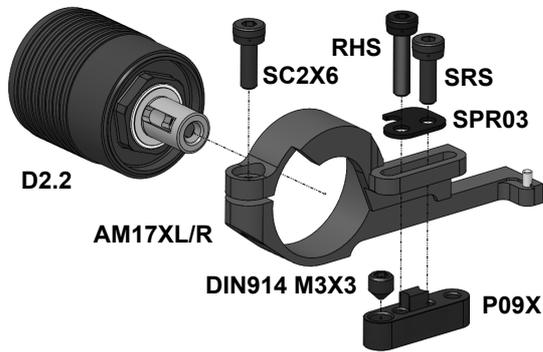
The build instructions for **D2.2** Rebuildable Dampers is on this page.

For disassembling please do all steps in the reverse order.

- 1) Stretch and place **OR18V** O-ring in the groove of the **AT40-1** Cup.
- 2) Insert **P45R/P45V** Piston into **AT41-2** Vane cavity. Align the outer face of **P45R/P45V** Piston with the outer edge of **AT41-2** Vane cavity.
- 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. Oil should cover the **AT41-2** Vane completely. It is highly recommend that damper be placed into a vacuum pump to remove air. Otherwise let the damper sit for 30m+ to allow air bubbles to escape.
- 5) With the damper still vertical (important !), screw **AT40-1** Cup into the **AT42-1** Case with a 9mm socket wrench until fully 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** Vane. Please don't remove this oil from the bearing cavity of **AT40-1** Cup 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 damper.



STEP 5

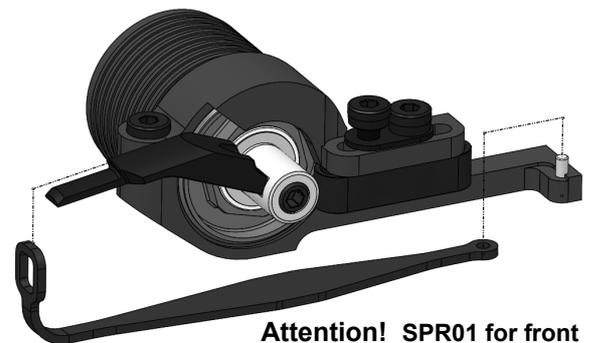
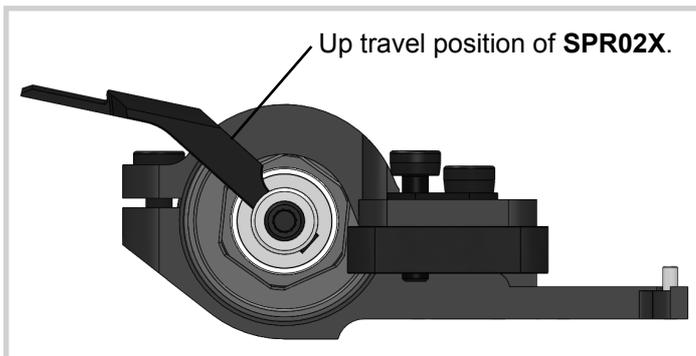


Note: **DIN914 M3X3** screw should be installed only in case of **DRSS** - Dual Rate Spring System function want to be used. More info about **DRSS** can be found on the **P09X** product page of the <http://shop.awesomatix.com> webshop.

	SC2X6 M2x6 Cap Head Screw	x4	AM17XR Damper Holder Right	x2
	SRS Spring Rating Screw	x4	AM17XL Damper Holder Left	x2
	RHS Ride Height Screw	x4	D2.2 Damper	x4
	SPR03 Shock Pointer	x4	SPR01 STD Shock Sprin	x2
	P09X Shock Screw Holder	x4	SPR01S Soft Shock Sprin	x2
			SPR02X Shock Rod Guide	x4

STEP 5 (cont'd)

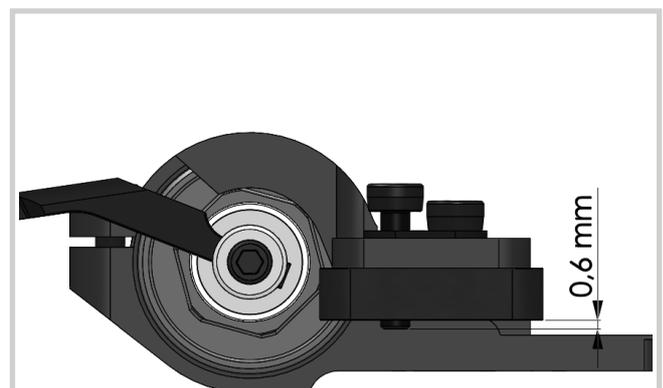
Attention! After installation of **SPR02X** rotate the complete **D2.2** damper within **AM17XR/L** until the maximum up travel is reached and secure **SC2X6** screw in the **AM17X/RL** after that. At the max up travel position the **SPR02X** should touch the stopper on **AM17X/RL** !!!



Attention! **SPR01** for front
SPR01S for rear

STEPS 5 FINISHED

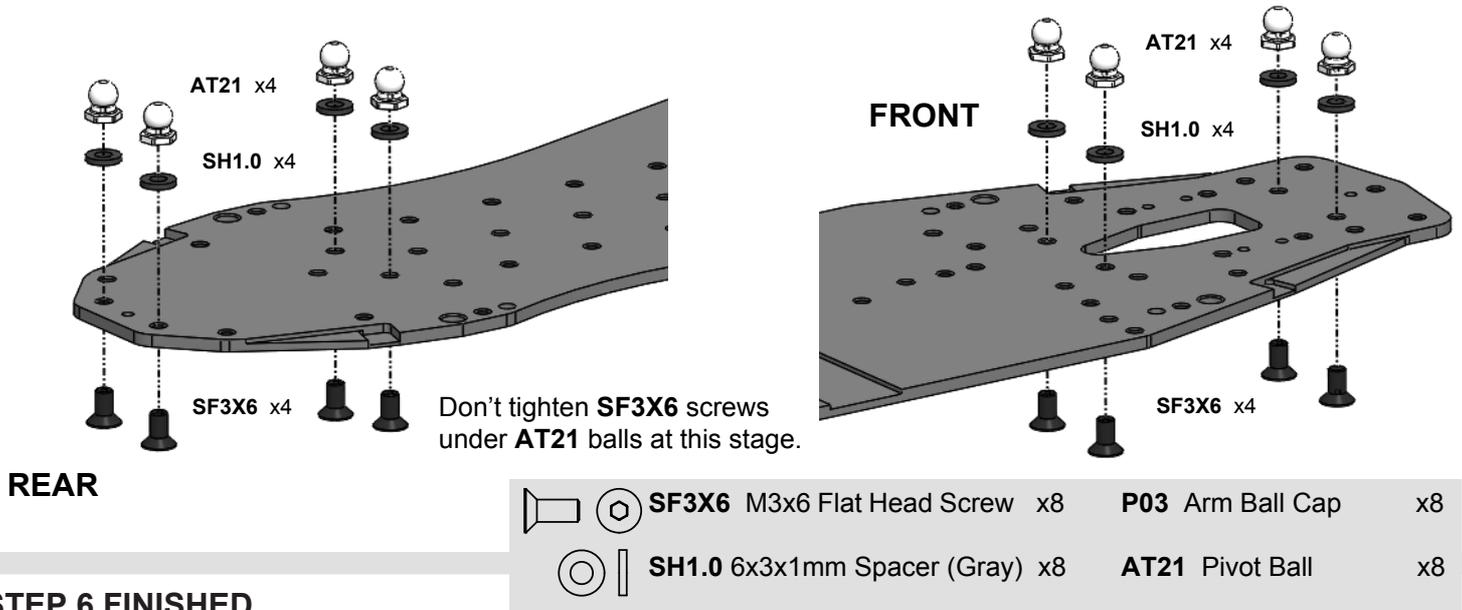
Assemble 2 Right Shocks
and 2 Left Shocks.



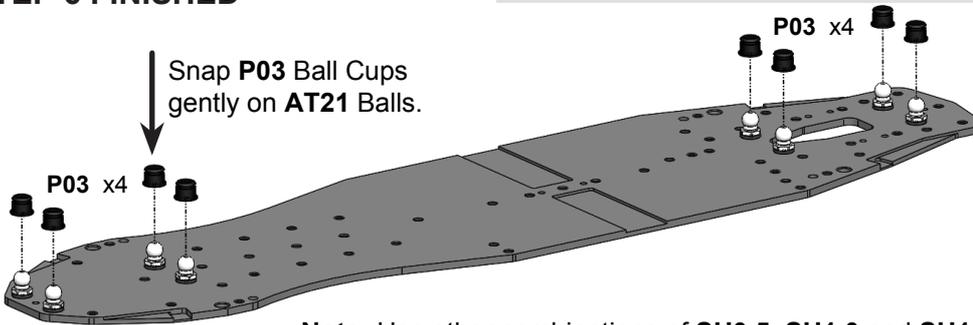
Note:
Initial position of **RHS** Ride Height Screw is ~0,6mm. Don't tighten **SRS** Spring Rating Screw too much to avoid **P09X** thread damage.

STEP 6

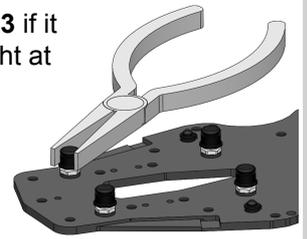
Note: C01FXC Carbon Lower Deck is used in A800FXC kit
C01FXA Alloy Lower Deck is used in A800FXA kit



STEP 6 FINISHED



Crimp P03 if it will be tight at swinging.



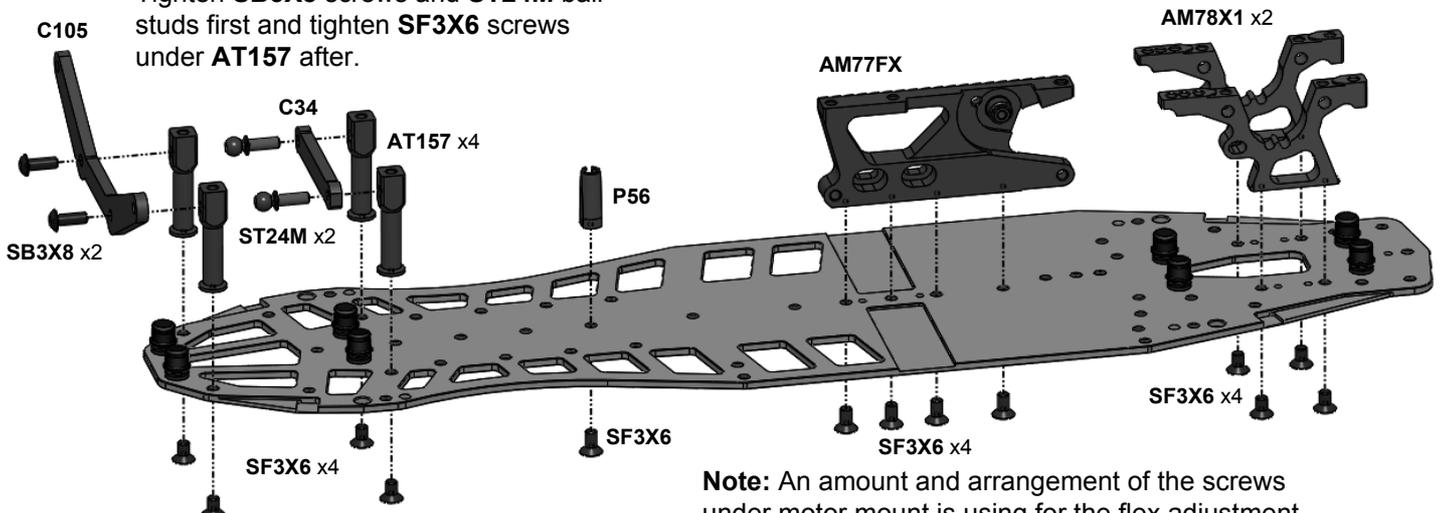
Note: Use other combinations of SH0.5, SH1.0 and SH1.75 spacers under appropriate AT21 balls to adjust your car set-up.

STEP 7

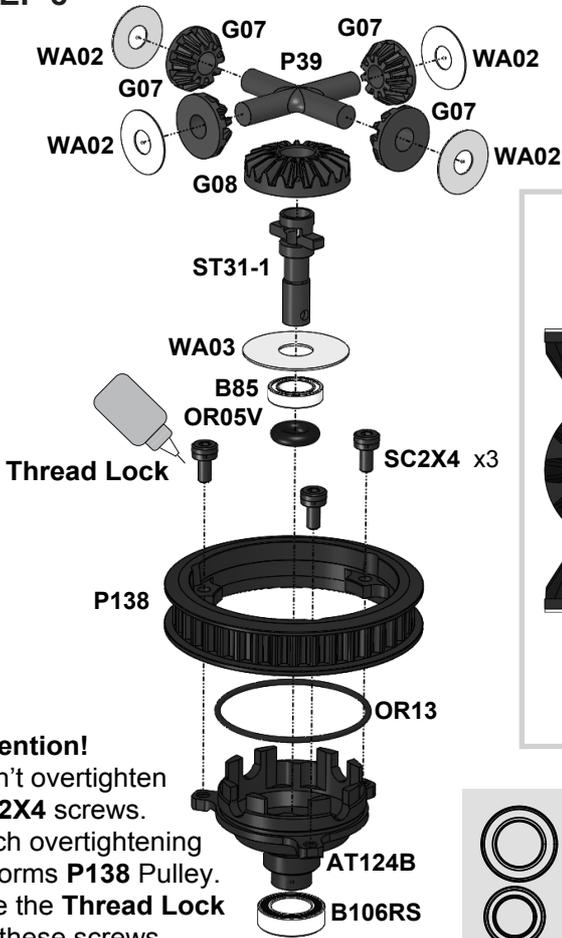


Attention!

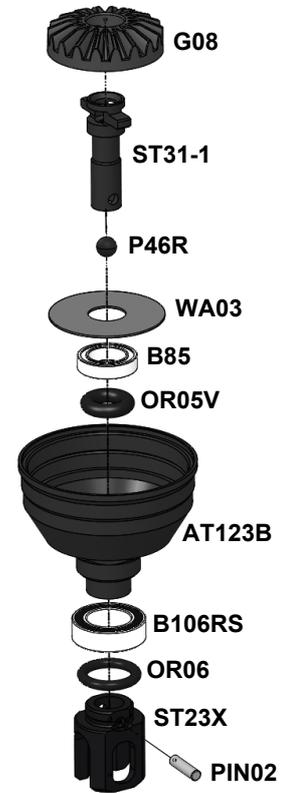
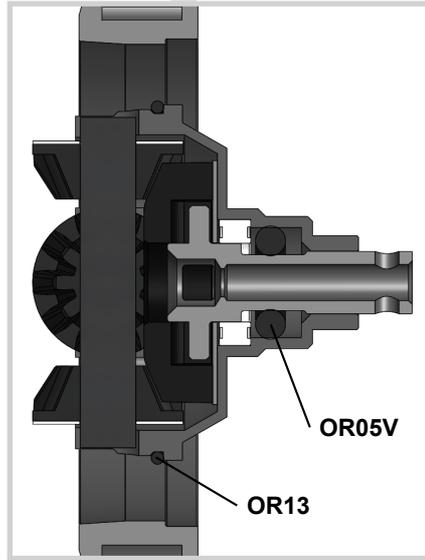
Tighten SB3X8 screws and ST24M ball studs first and tighten SF3X6 screws under AT157 after.



STEP 8

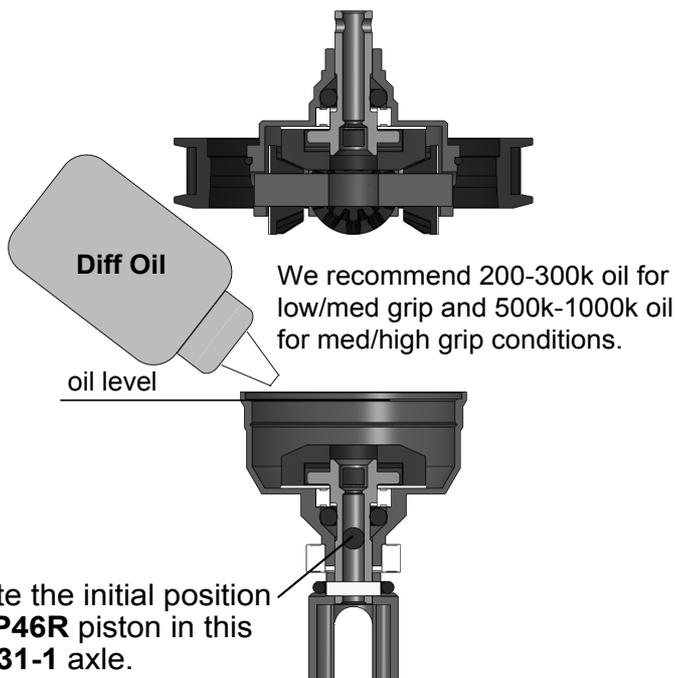


STEP 9



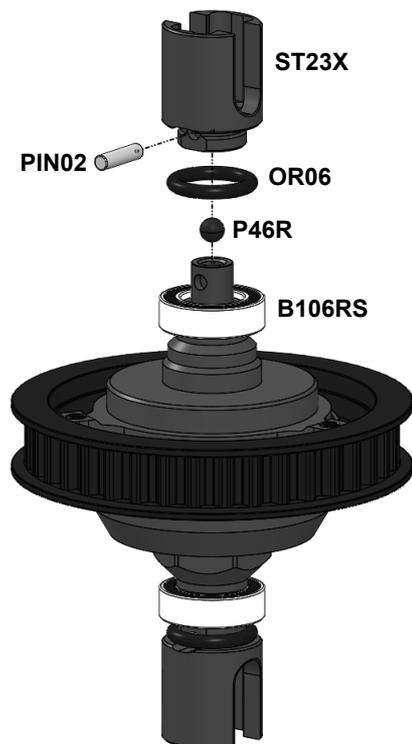
STEP 10

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.

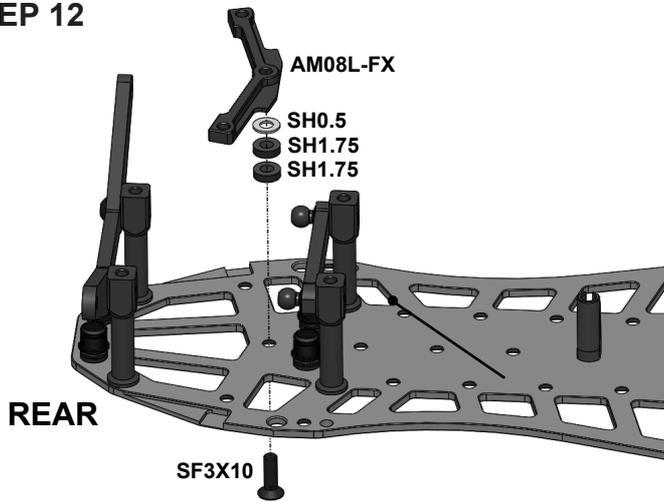


	B106RS	MR106RS Bearing	x2	AT123B	GD2B Case1	x1
	B85	MR85 Bearing	x2	AT124B	GD2B Case2	x1
	OR05V	O-Ring	x2	P138	38T Pulley	x1
	OR06	O-Ring	x2	ST23X	IRJ Outdrive	x2
	P46R	Piston	x2	ST31-1	GD2 Output Axle	x2
	PIN02	1,5x5,8 Pin	x2	P39	GD2 Cross Pin	x1
	SC2X4	M2x4 Cap Head screw	x3	OR13	13 mm O-Ring	x1
				G07	GD2 Satellite Gear	x4
				G08	GD2 Bevel Gear	x1
				WA02	3.5x9.5x0.2 Washer	x4
				WA03	5x15.5x0.3 Washer	x2

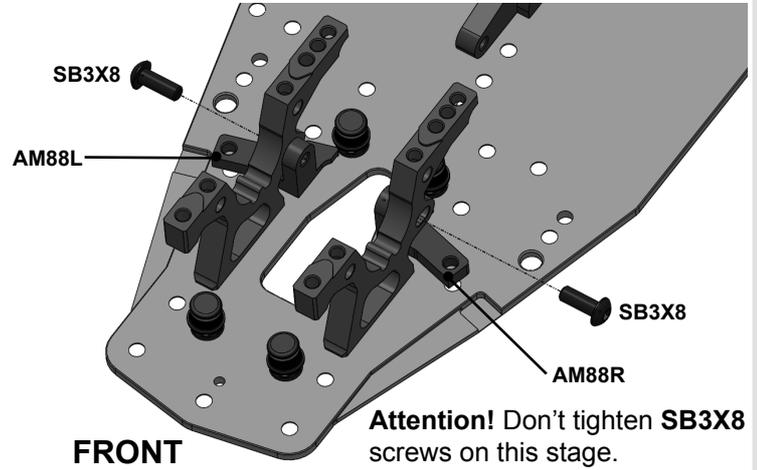
STEP 11



STEP 12



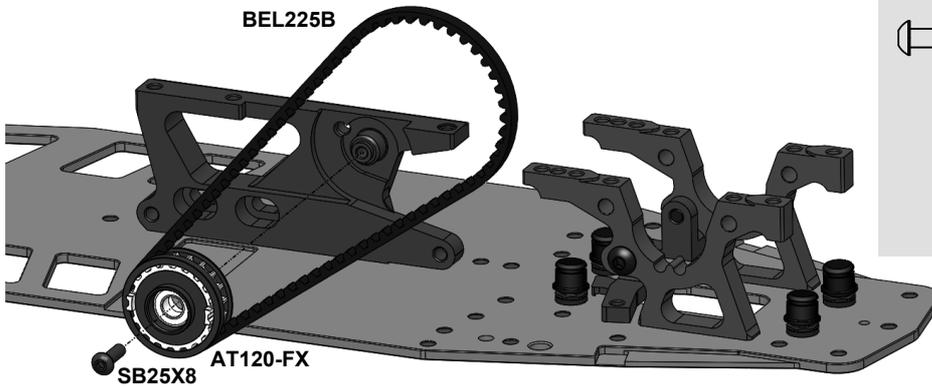
Attention! Don't tighten **SF3X10** screw on this stage.



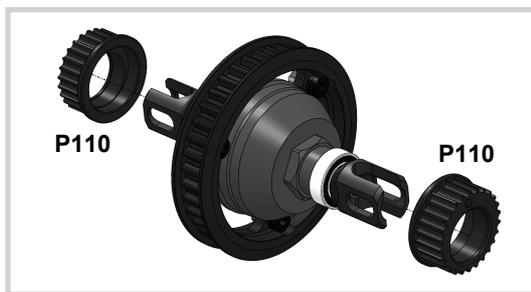
Attention! Don't tighten **SB3X8** screws on this stage.

- SB3X8** M3x8 Button Head Screw x2
- SF3X10** M3x10 Flat Head Screw x1
- SH1.75** 6x3x1.75mm Spacer (black) x2
- SH0.5** 6x3x0.5mm Spacer (silver) x1
- SB25X8** M2.5 Button Head Screw x1
- AM88R** Shock Holder R x1
- AM88L** Shock Holder L x1
- AM08L-FX** Shock Holder x1
- AT120-FX** 20T Alloy Pulley x1
- BEL225B** Belt 225 mm x1

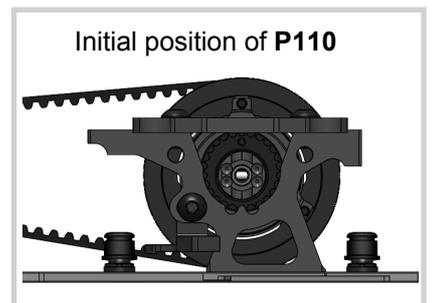
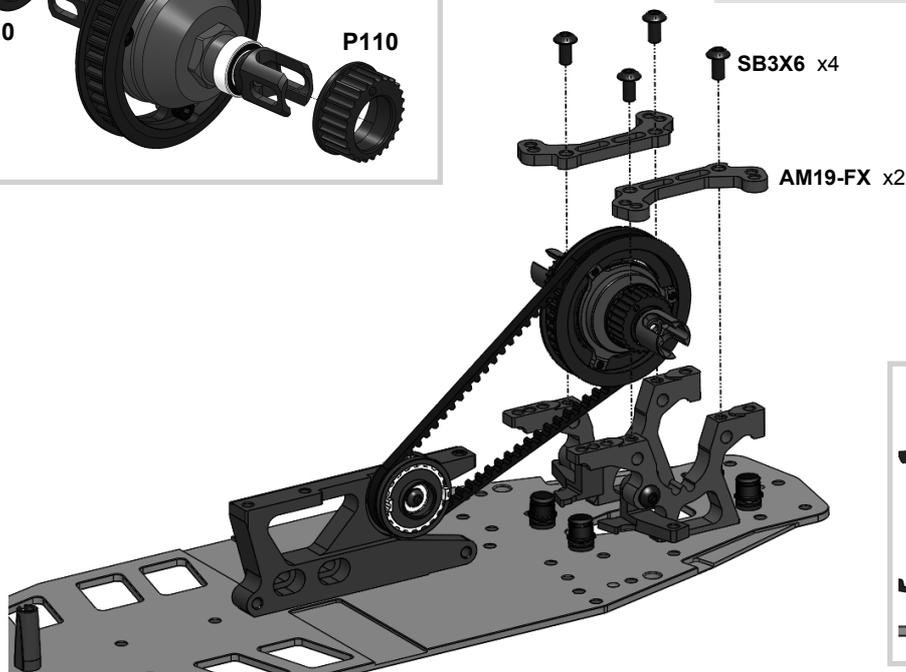
STEP 13



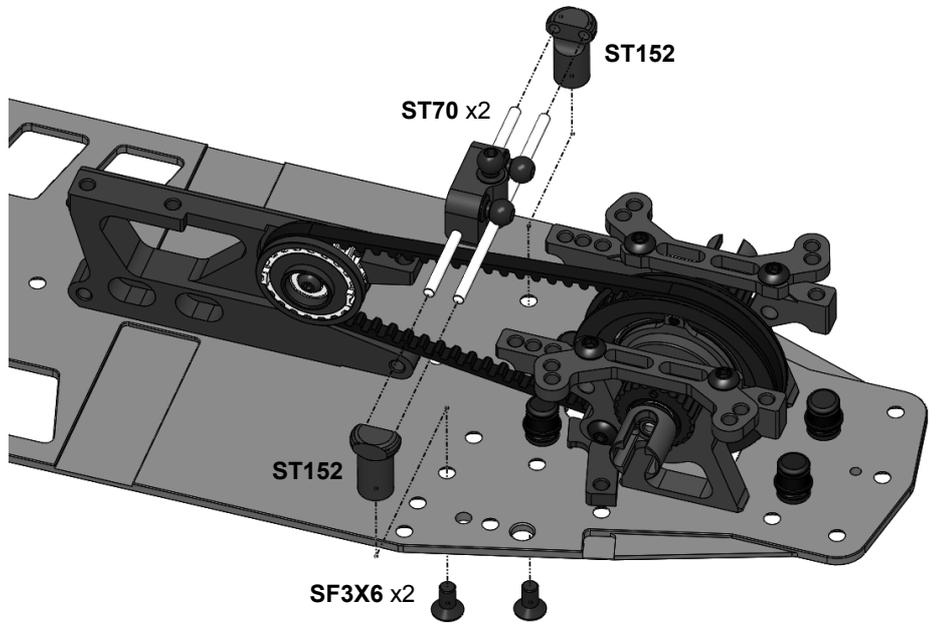
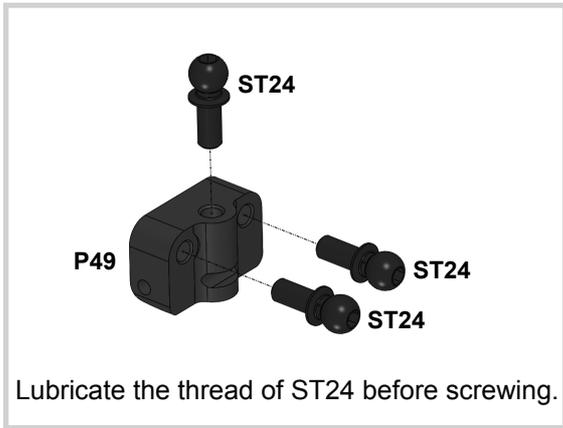
STEP 14



- SB3X6** M3x6 Button Head Screw x4
- AM19-FX** Upper Arm Holder x2
- P110** Bearing Housing x2

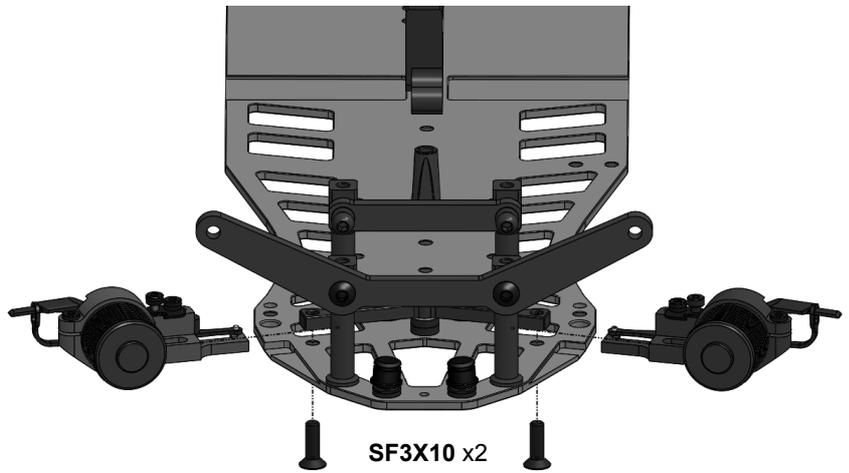
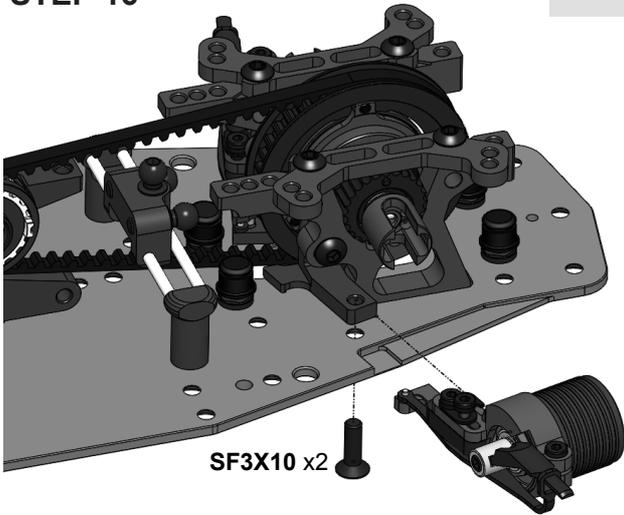


STEP 15



		SF3X10 M3x10 Flat Head Screw	x4	P49 Steering Rack	x1
		SF3X6 M3x6 Flat Head Screw	x2	ST152 Steering Holder	x2
				ST24 4,8x6mm Ball Stud	x3
				ST70 Guide Bar	x2

STEP 16

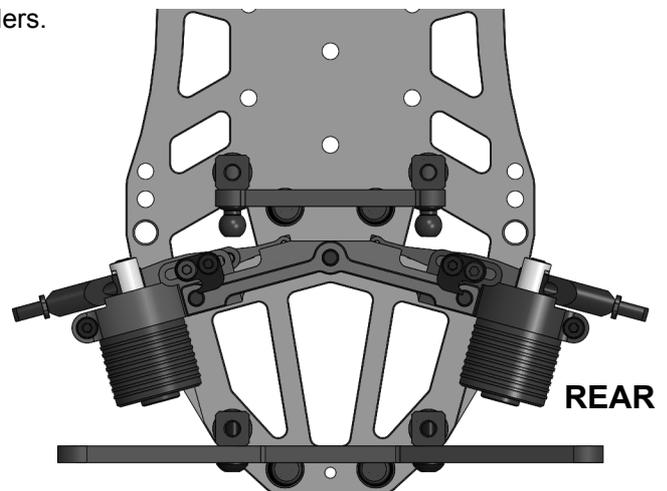
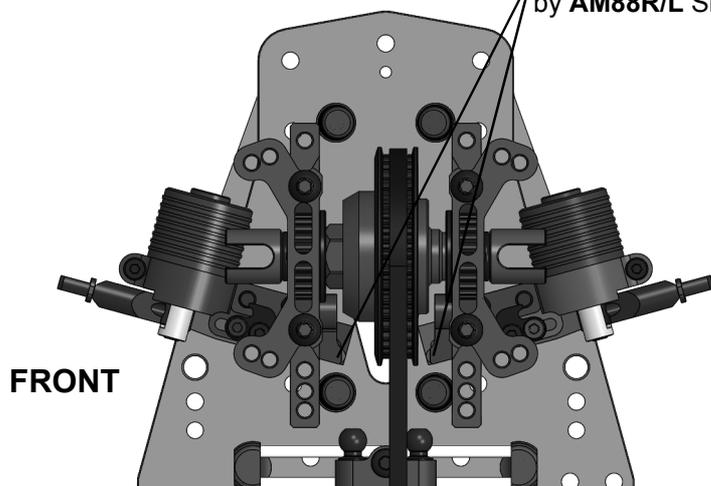


Attention! Tighten **SB3X8** screws of **AM88L/R** with 2mm ball hex driver after tightening of **SF3X10** screws.

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

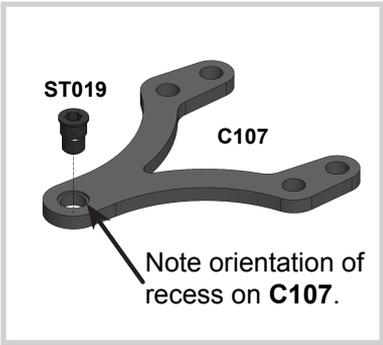
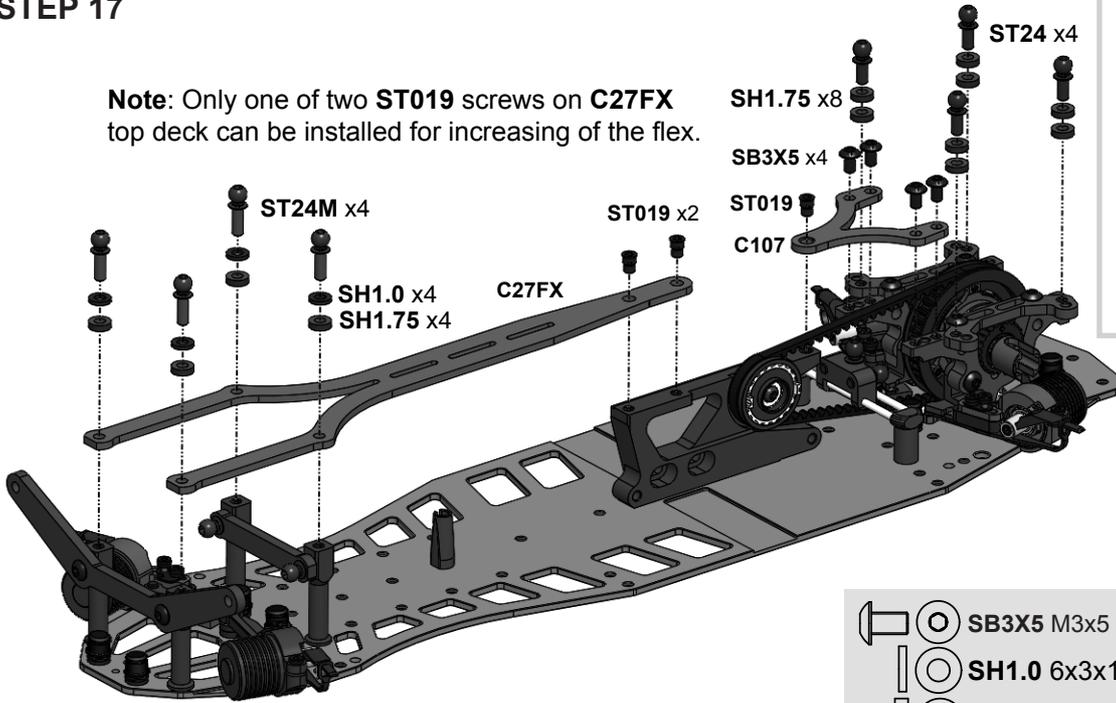
STEP 16 FINISHED

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



STEP 17

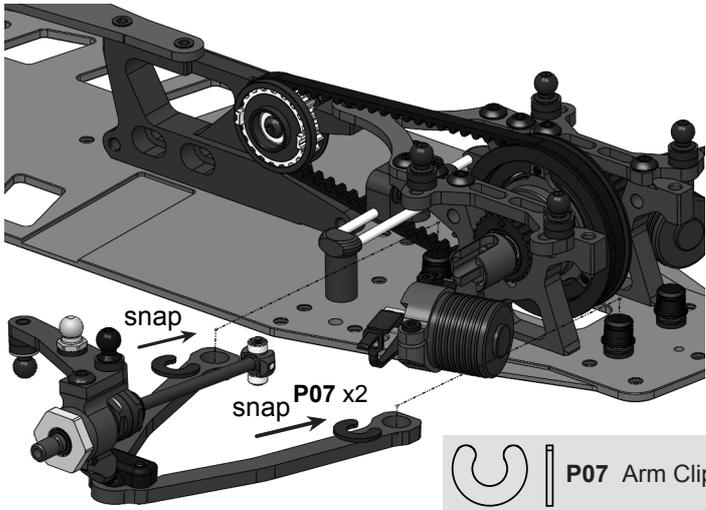
Note: Only one of two **ST019** screws on **C27FX** top deck can be installed for increasing of the flex.



- C27FX** Top Deck x1
- C107** Front Top Deck x1
- ST24** 4,8x6mm Ball Stud x4
- ST24M** 4,8x8mm Ball Stud x4

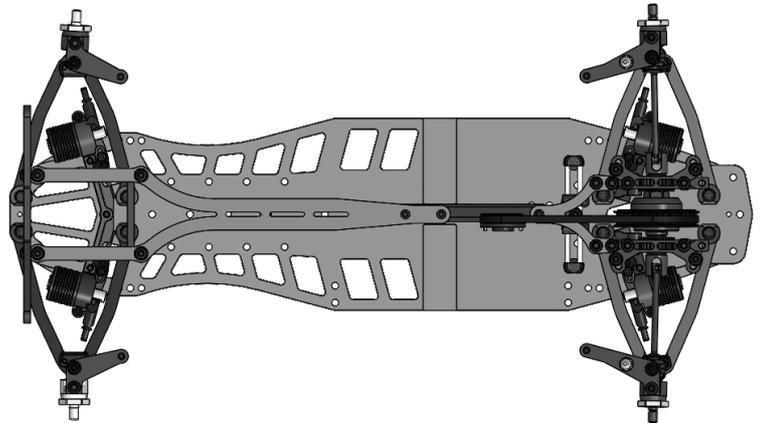
- SB3X5** M3x5 Button Head Screw x4
- SH1.0** 6x3x1mm Spacer (gray) x4
- SH1.75** 6x3x1.75mm Spacer (black) x12
- ST019** Top Deck Screw x3

STEP 18



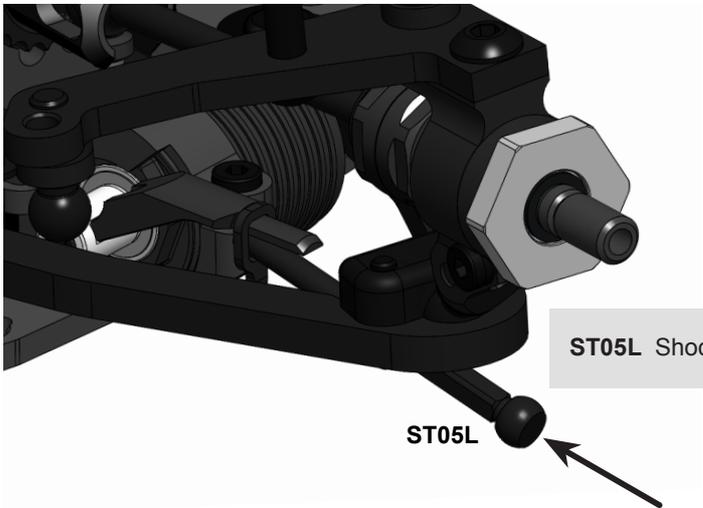
- P07** Arm Clip x8

STEP 18 FINISHED



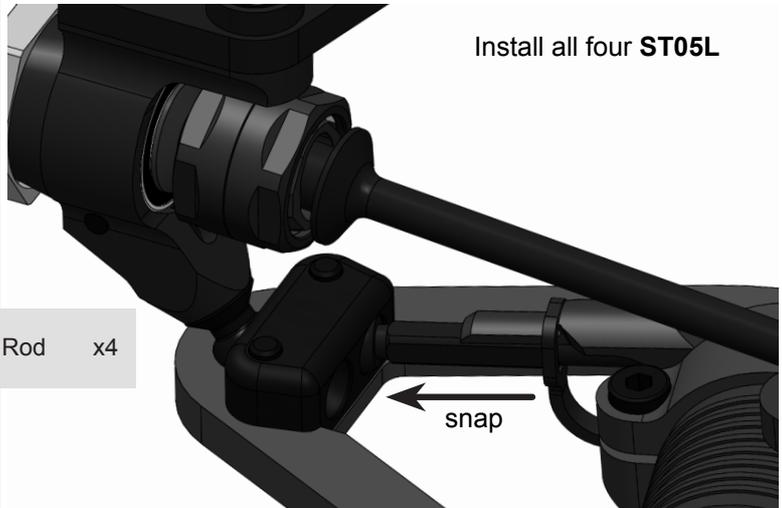
Tighten **SF3X6** screws under **AT21** balls at this stage.

STEP 19



- ST05L** Shock Rod x4

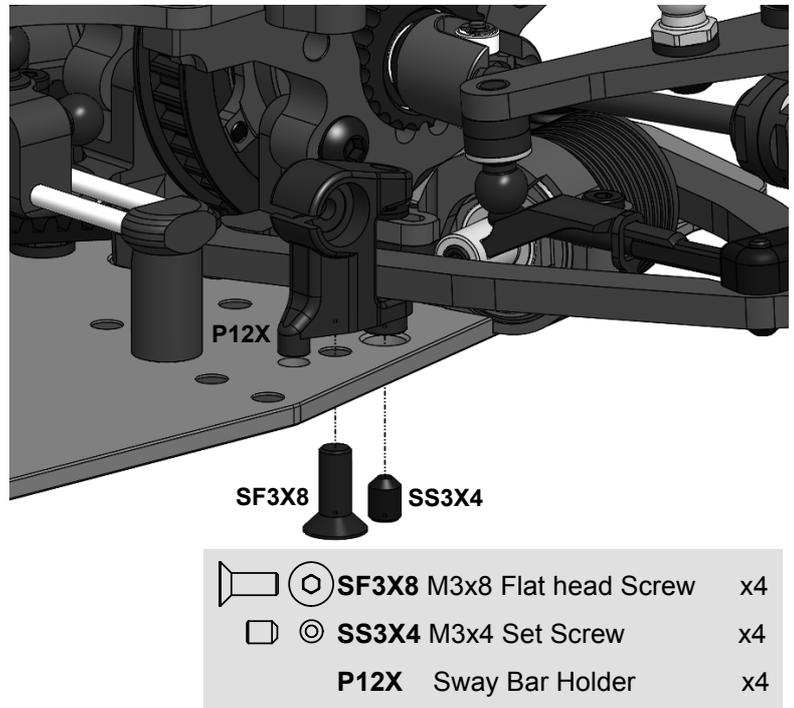
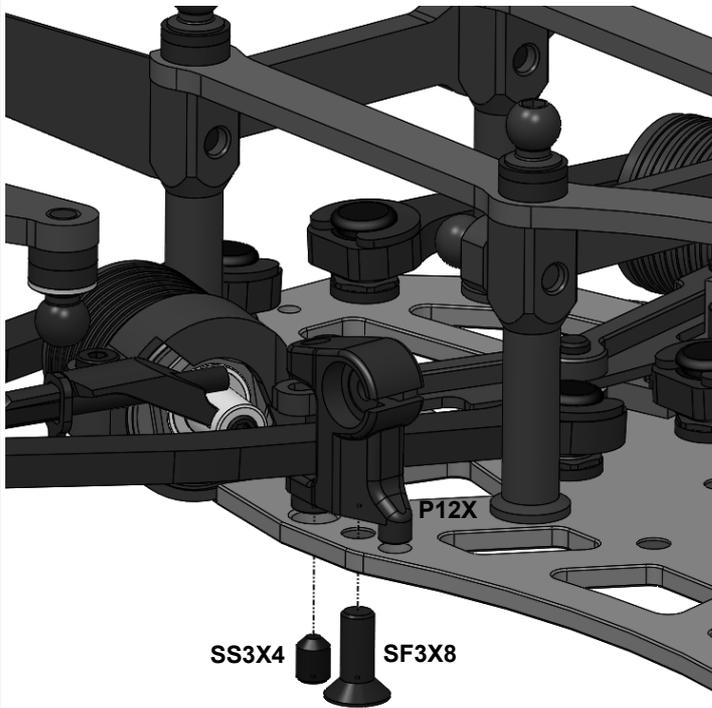
STEP 19 FINISHED



Install all four **ST05L**

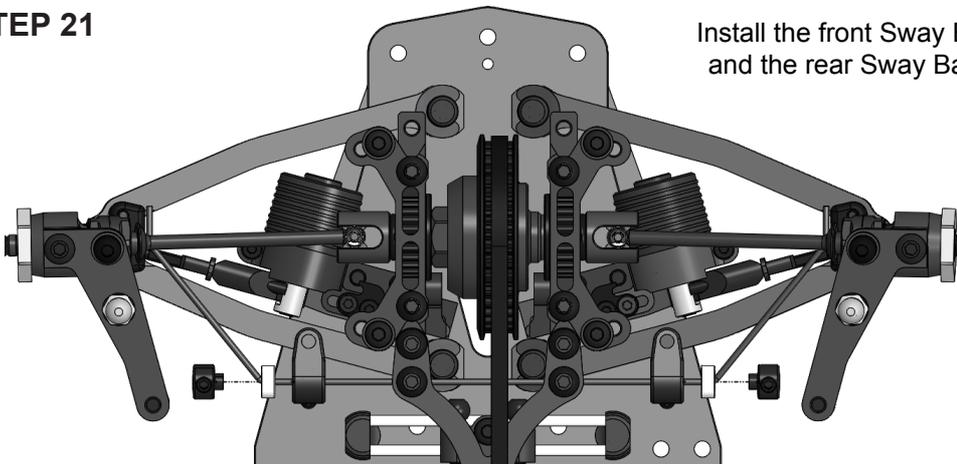
STEP 20

Install four **P12X** Sway Bar Holders.

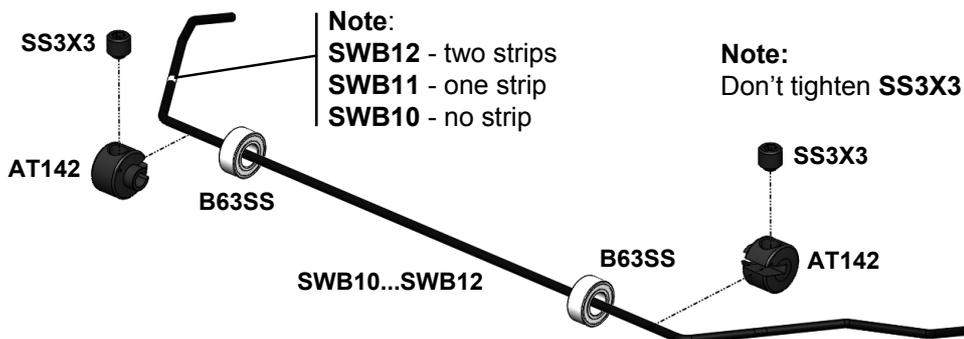
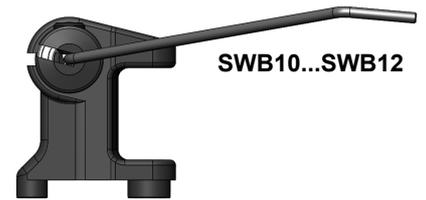


STEP 21

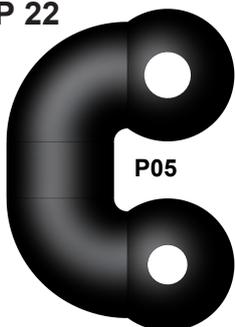
Install the front Sway Bar and the rear Sway Bar.



Attention!
The deflected tips of Sway Bar should be directed downwards.



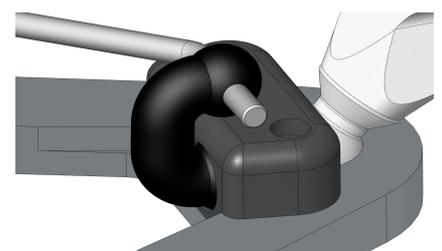
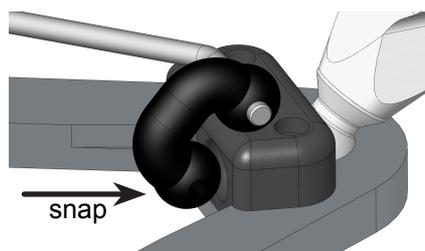
STEP 22



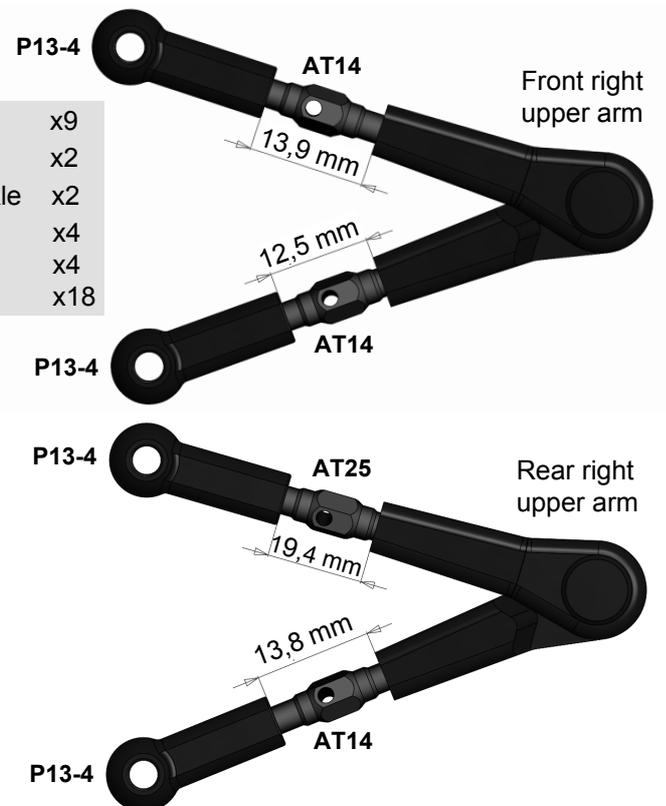
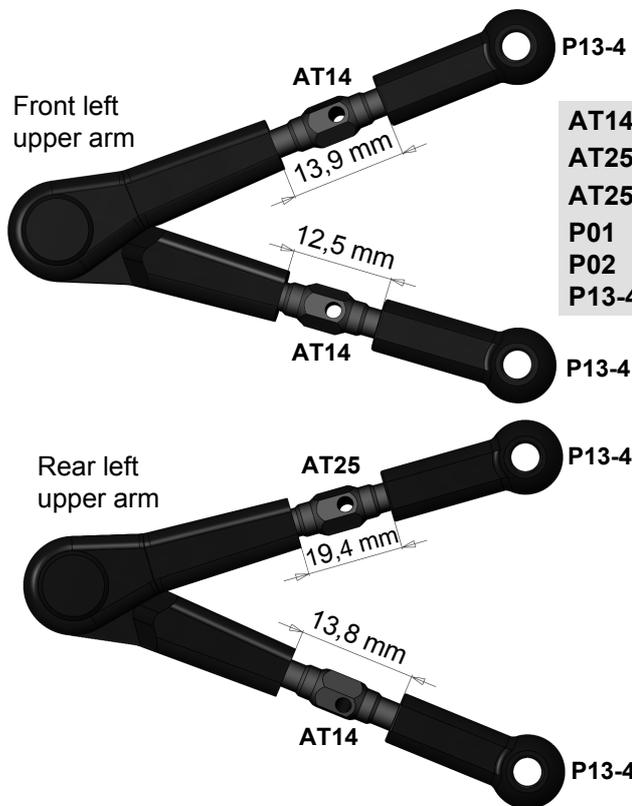
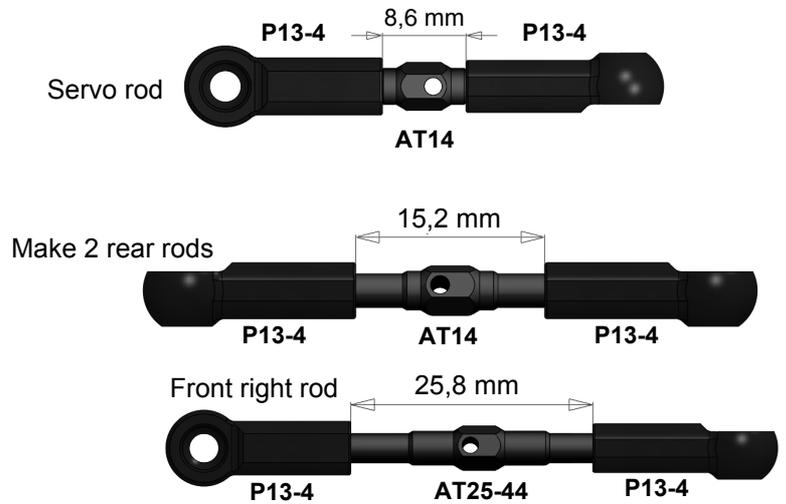
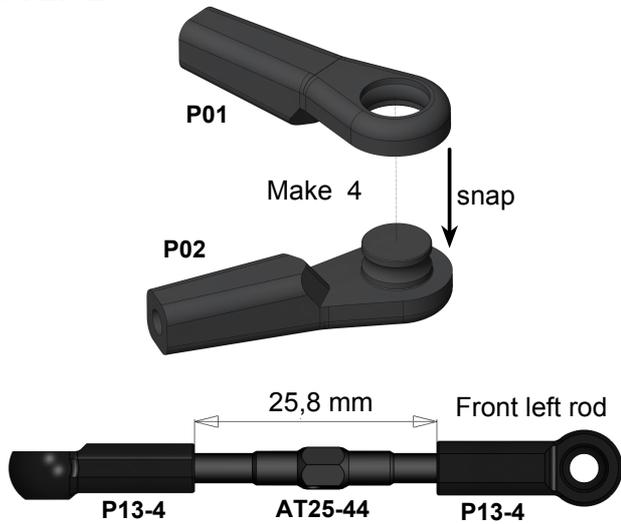
Use bigger hole for **SB12** Sway Bars.

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

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

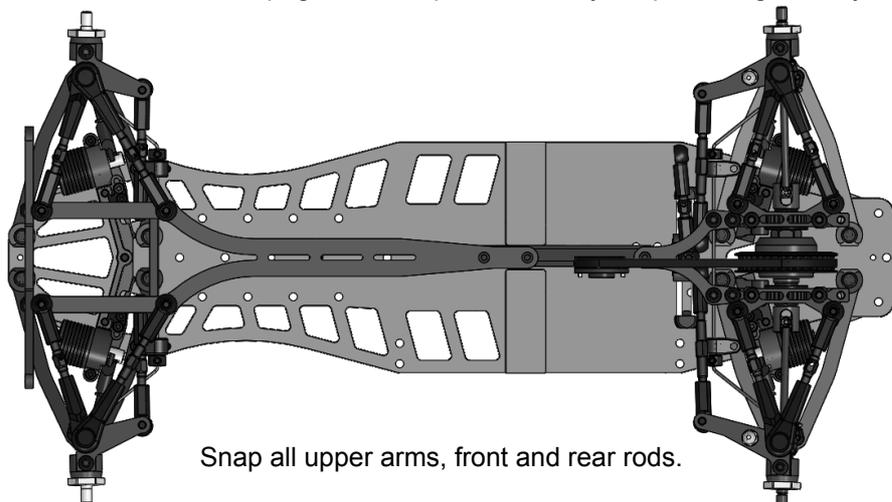


STEP 23



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

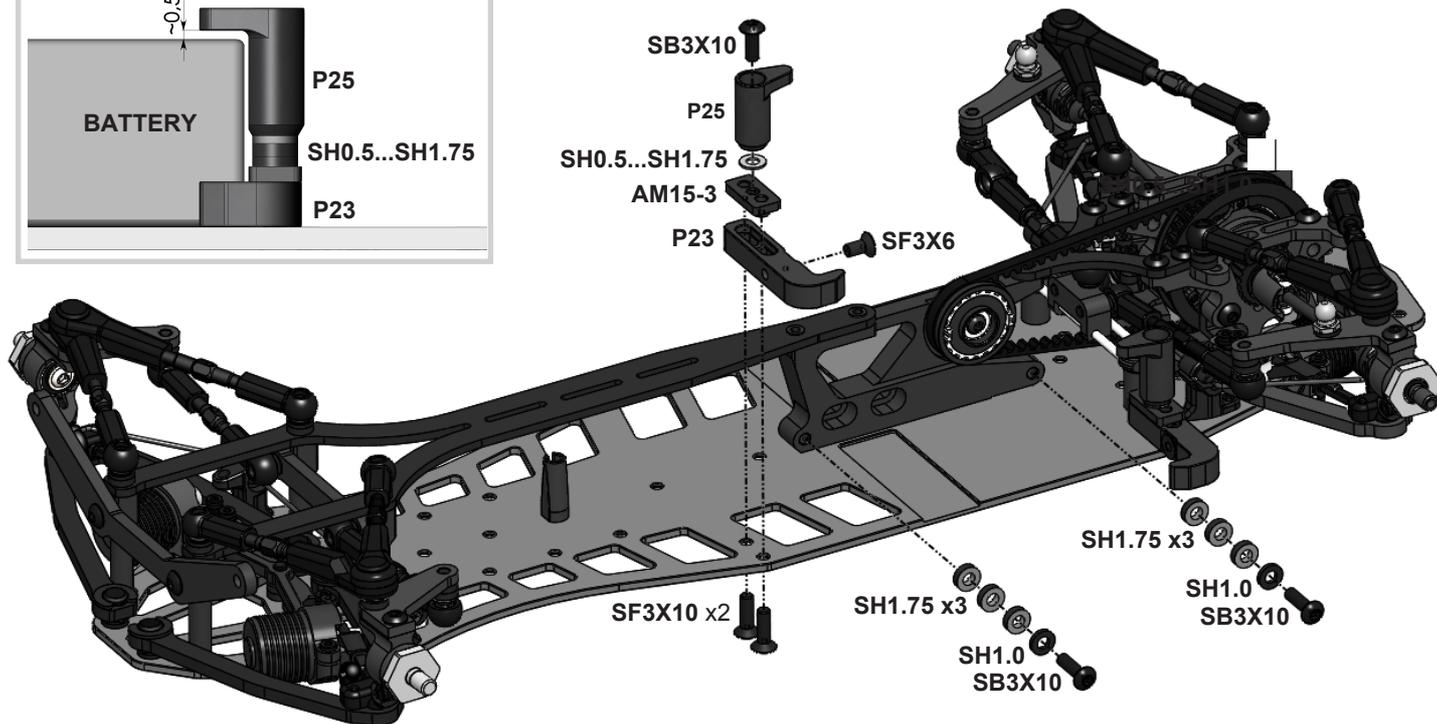
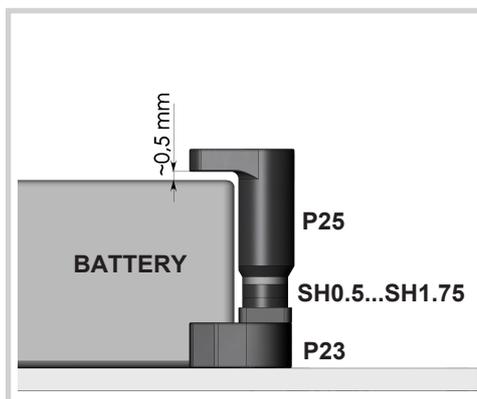
Notes: The given rods and arms sizes are approximately for 4° front caster and 0° rear caster, 2° both front and rear cambers, 1,0° rear toe-in and 1° front toe out angles. Use a setup station or angles gauge for further precise suspension geometry setting. See our recommendations on page #18 for quick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



Snap all upper arms, front and rear rods.

STEP 24

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



Battery Holders adjustment:

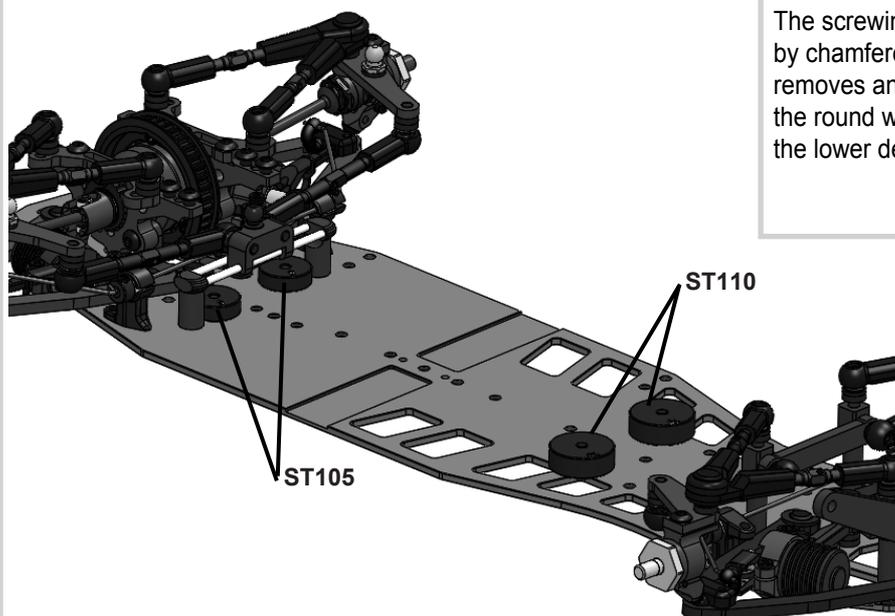
Choose the desirable battery position.

Tighten up **SF3X10** screws to fix

P23 Battery Holders.

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

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



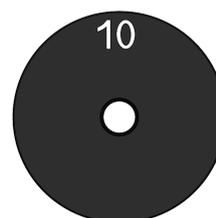
ST110 and **ST105** Round Weights can be used for adjusting of the proper total weight and for the desirable F/R and R/L weight distribution.

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.

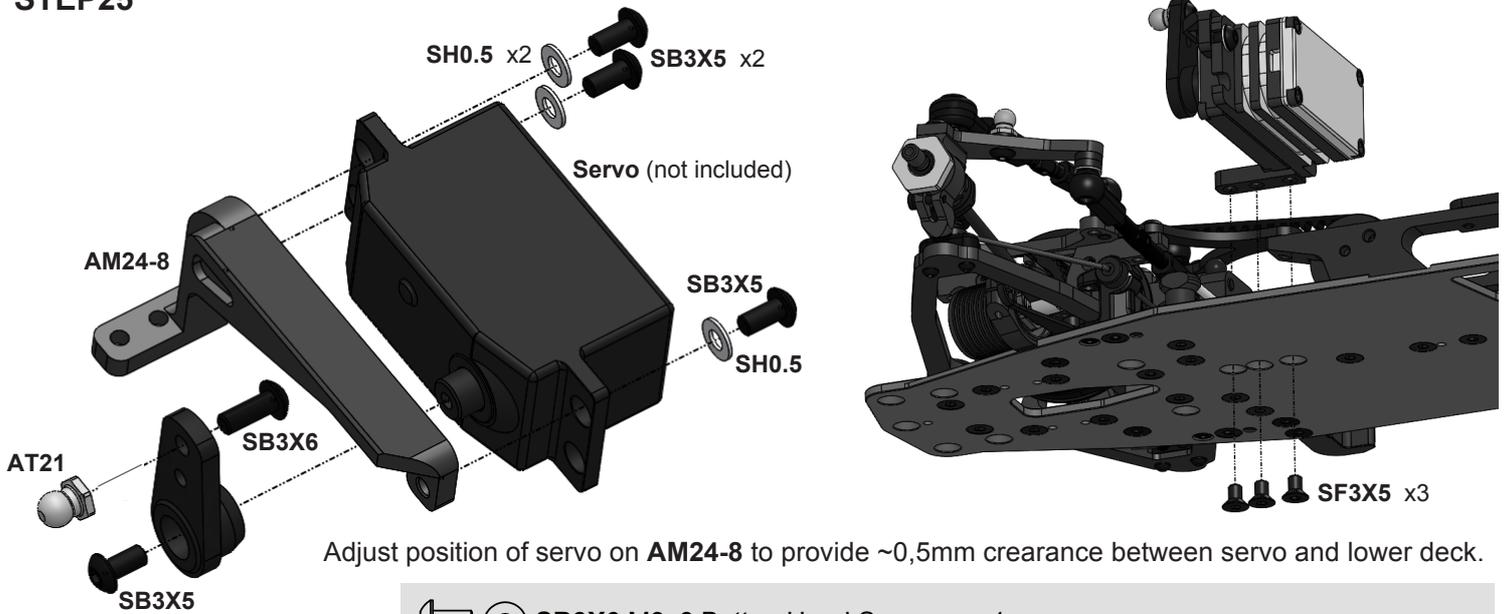


ST110 10g Round Weight



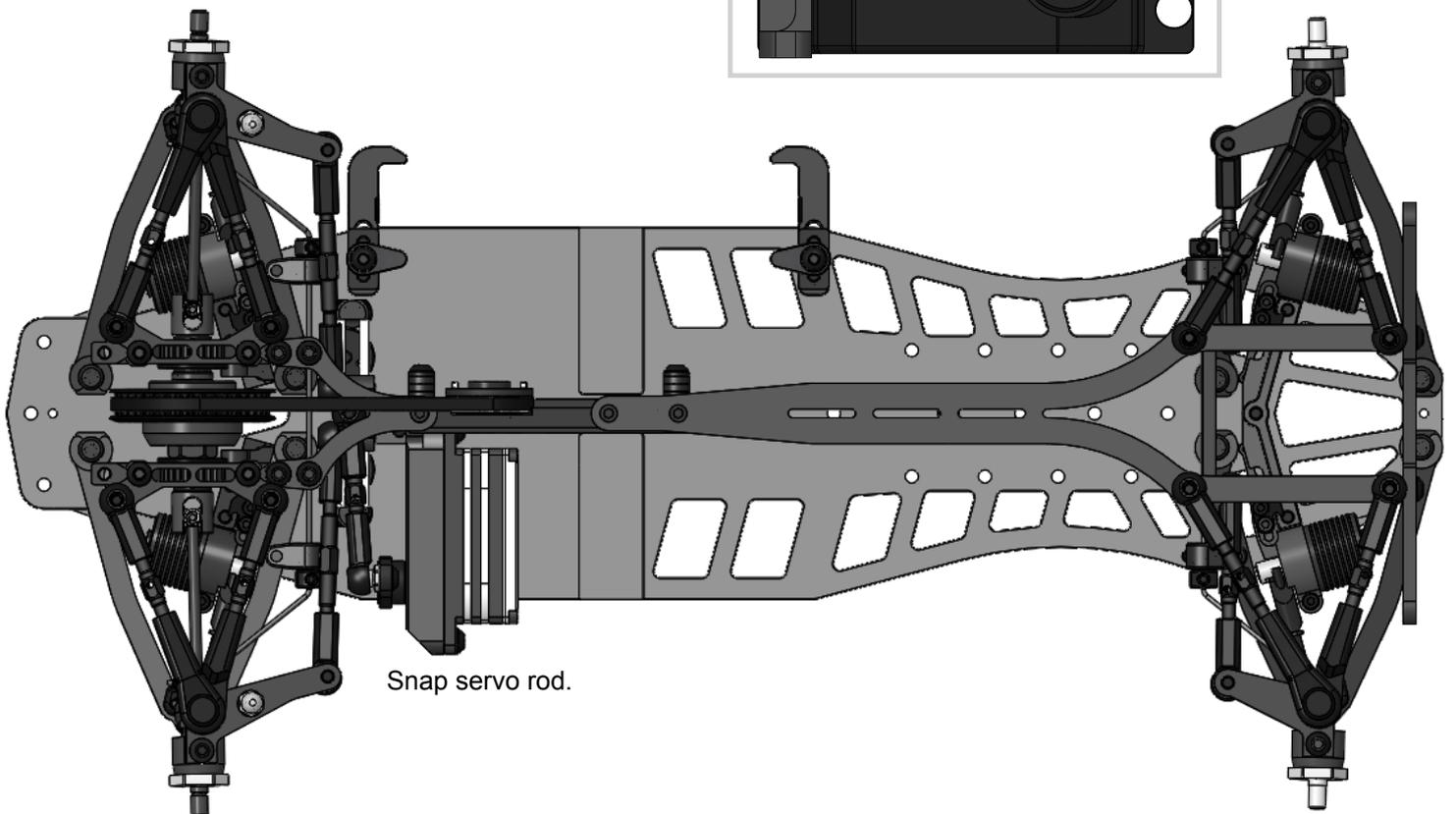
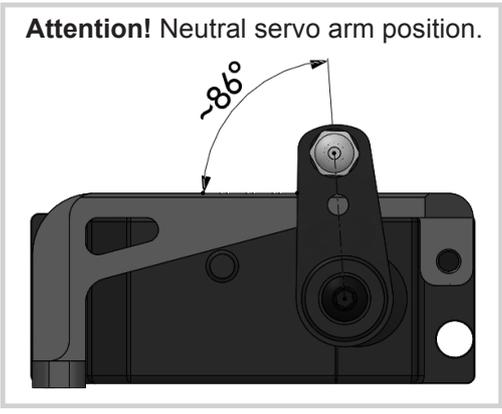
ST105 5g Round Weight

STEP25



- | | | | | | |
|--|--|--|----|----------------------------|----|
| | | SB3X6 M3x6 Button Head Screw | x1 | | |
| | | SF3X5 M3x5 Flat Head Screw | x3 | | |
| | | SB3X5 M3x5 Button Head Screw | x4 | AT21 Pivot Ball | x1 |
| | | SH0.5 6x3x0.5mm Spacer (Silver) | x3 | AM24-8 Servo Holder | x1 |

Note: Recommended length of servo horn is 17,5-18,5mm. We highly recommend our **P40F** and **P40K** Servo Horns.



STEP 26

Note: Some of these **ST110** round weights can be extracted from **ST265** and can be installed via holes of the lower deck behind the battery for more rear weight distribution if needed.

	SB3X12 M3x12 Button Head Screw	x2	P14-1X Lower Bumper	x1
	SF3X10 M3x10 Flat Head Screw	x3	P14-2 Body Post	x4
	SB3X8 M3x8 Button Head Screw	x4	P14-5 UpperBumper	x1
	OR06 5mm O-Ring	x4	P15FX Foam Bumper	x1
	SH1.75 6x3x1.75mm Spacer (black)	x2	SPR05 Body Clip	x4
			ST265 Bumper Weight	x1
			ST110 Round Weight	x5

STEP 27

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

Motor (not included)

Pinion Gear (not included)

AT55M + OR06/OR18V

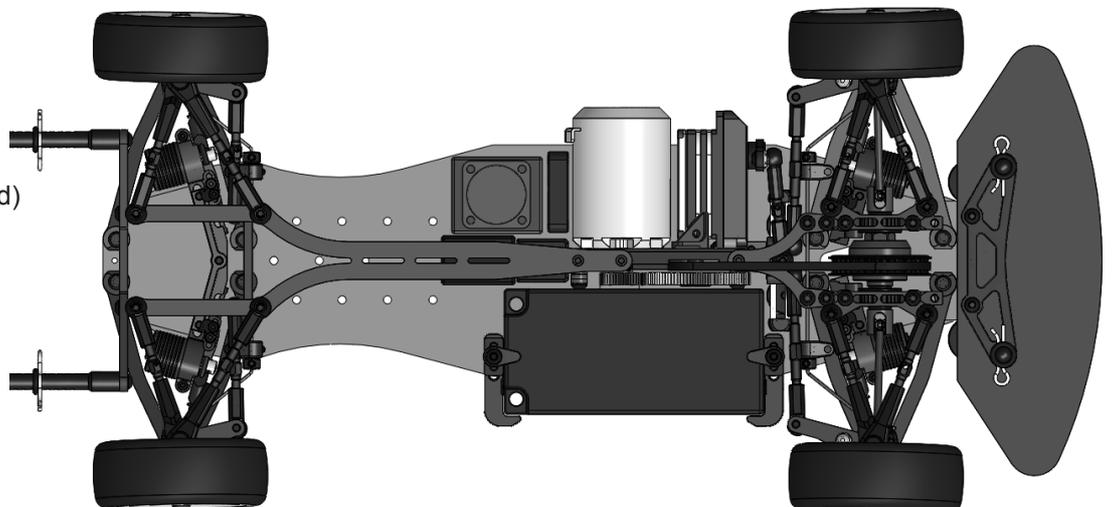
OR06 or **OR18V** depending of the spur gear thickness

SH0.5 x2

SB3X8 x2

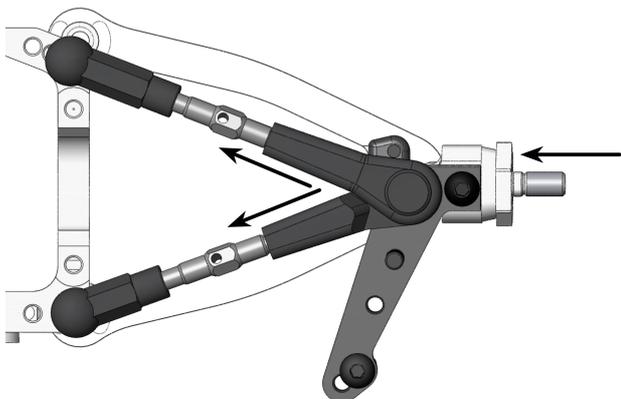
STEP 28 FINAL ASSEMBLY

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



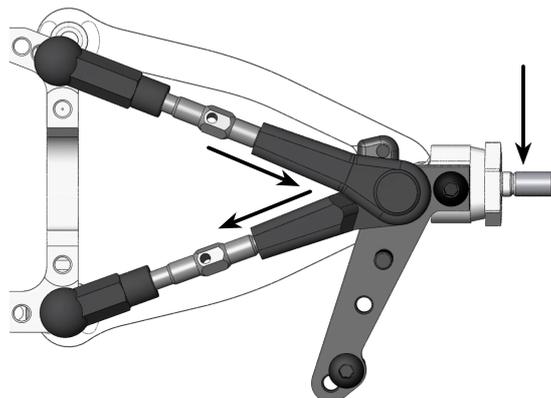
SUSPENSION SETTING TECHNIQUE

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.



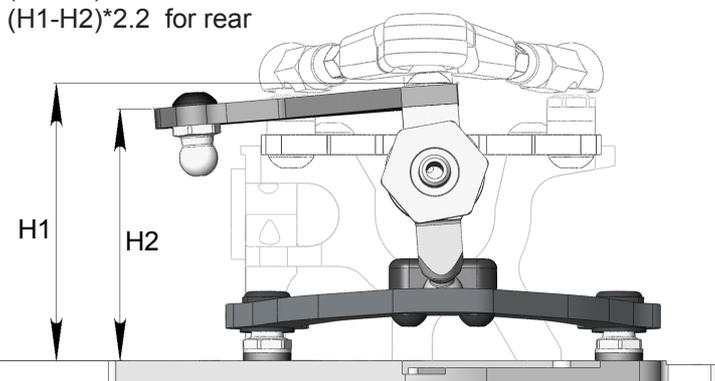
Attention! Install SH12X1.5 Spacers on the rear AT13FX Wheel Hexes at using of the set-up stations.

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.

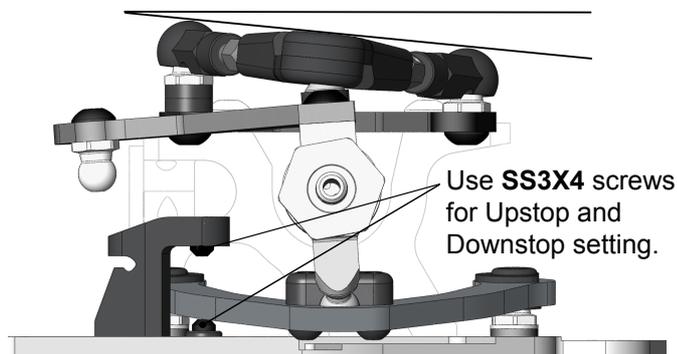


Caster measuring:

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

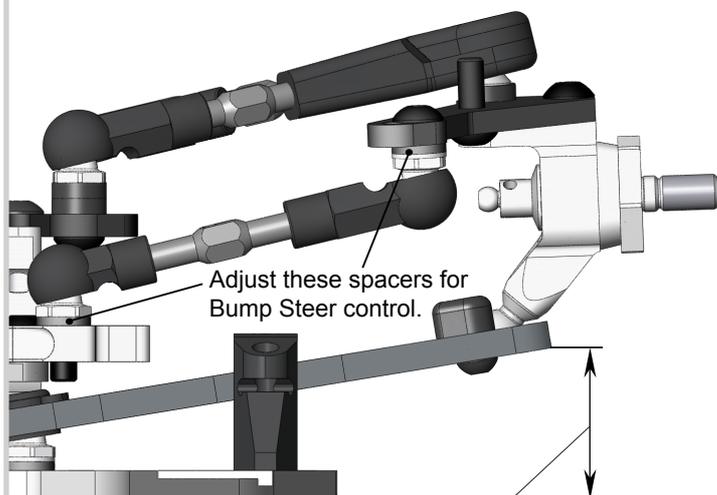


Reactive Caster setting is possible.



Roll Center adjustment:

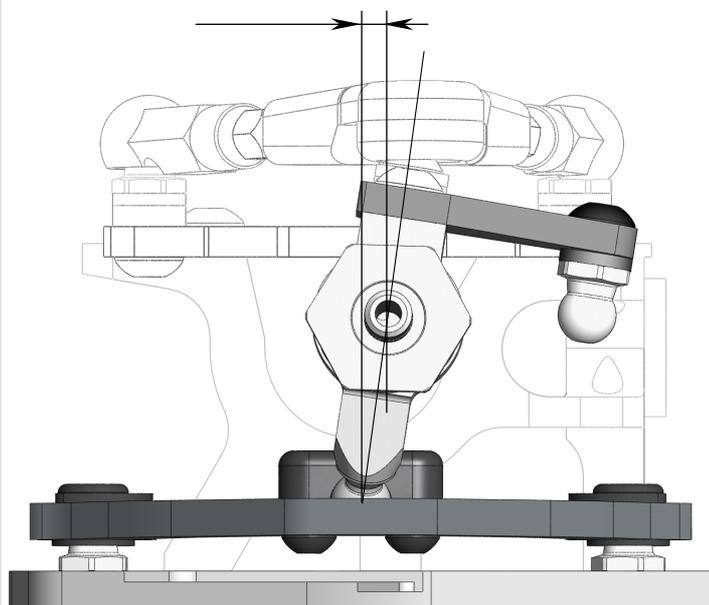
Use combinations of **SH0.5**, **SH1.0** and **SH1.75** Spacers under appropriate Pivot Balls and Ball Studs for this adjustment.



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.



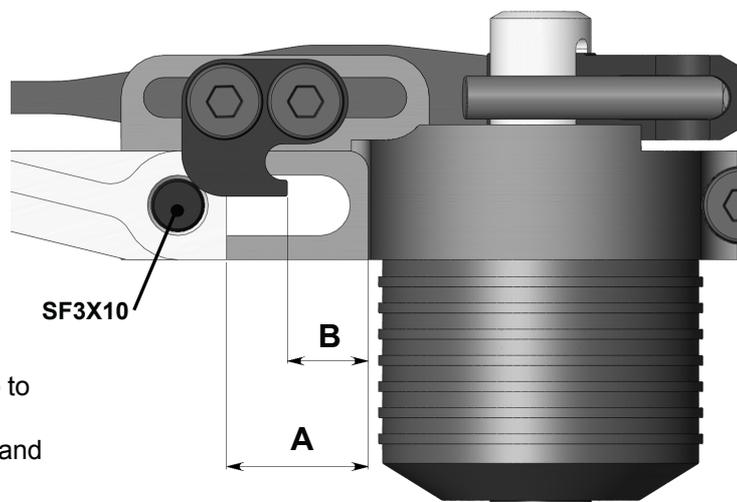
SHOCK SETTING TECHNIQUE

Attention! 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. **A**-distance range is 0 - 4.4mm. 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.

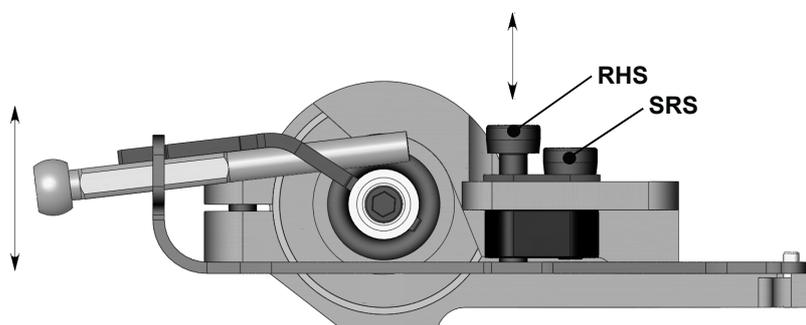


2. Shock Spring preload setting

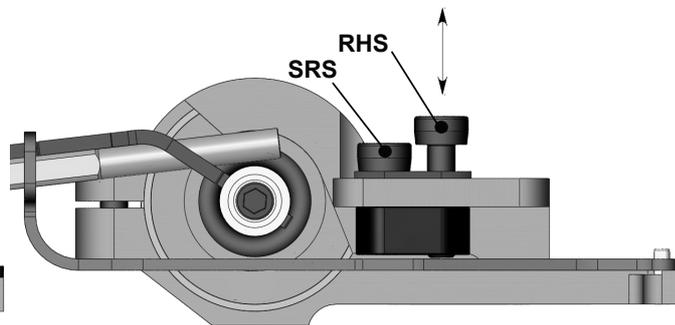
Turn IN (CW) **RHS** Screw to increase spring preload.
Turn OUT (CCW) **RHS** Screw to decrease spring preload.
Use Spring preload setting to adjust Ride Height value.

3. SRS/RHS Screws arrangements change

The reverse arrangement of these screws is possible also.

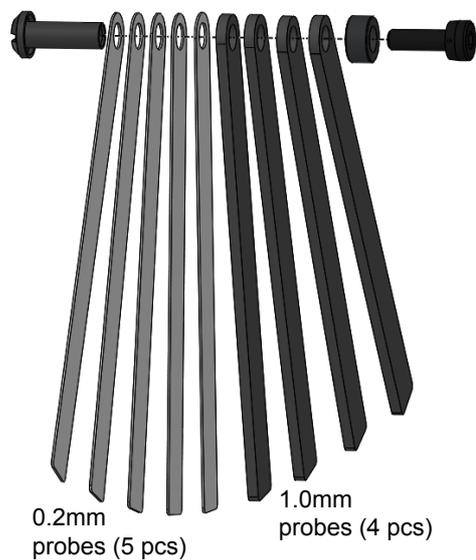


SRS/RHS Screws arrangement I



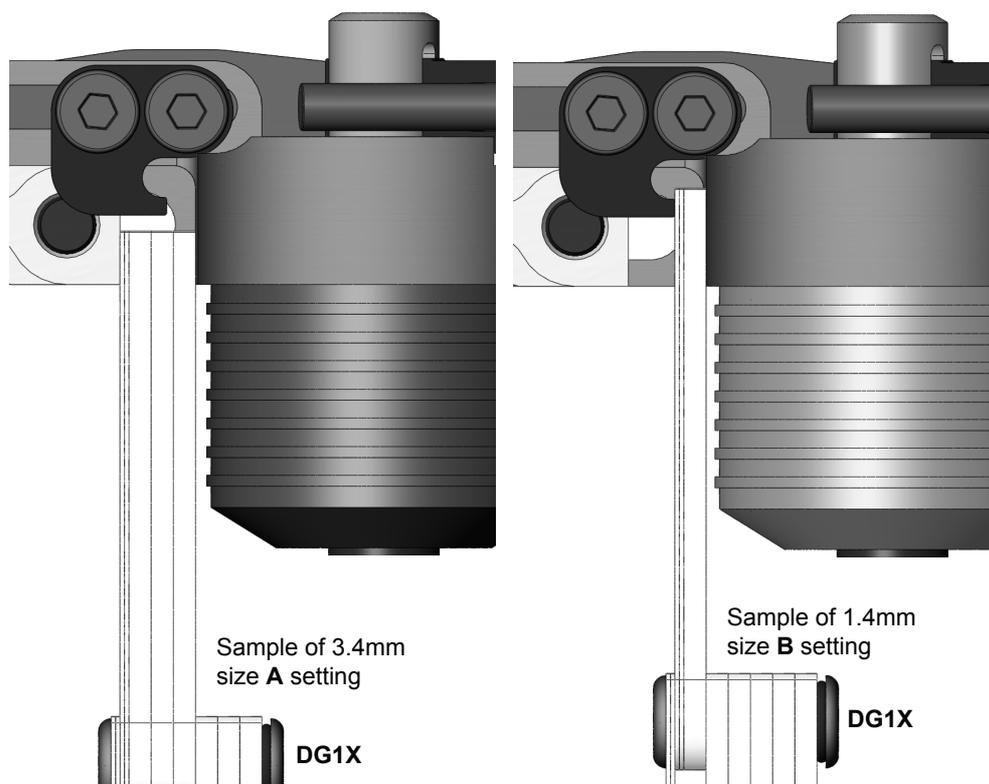
SRS/RHS Screws arrangement II

4. Using of DG1X Damper Gauge



0.2mm probes (5 pcs)

1.0mm probes (4 pcs)



Sample of 3.4mm size A setting

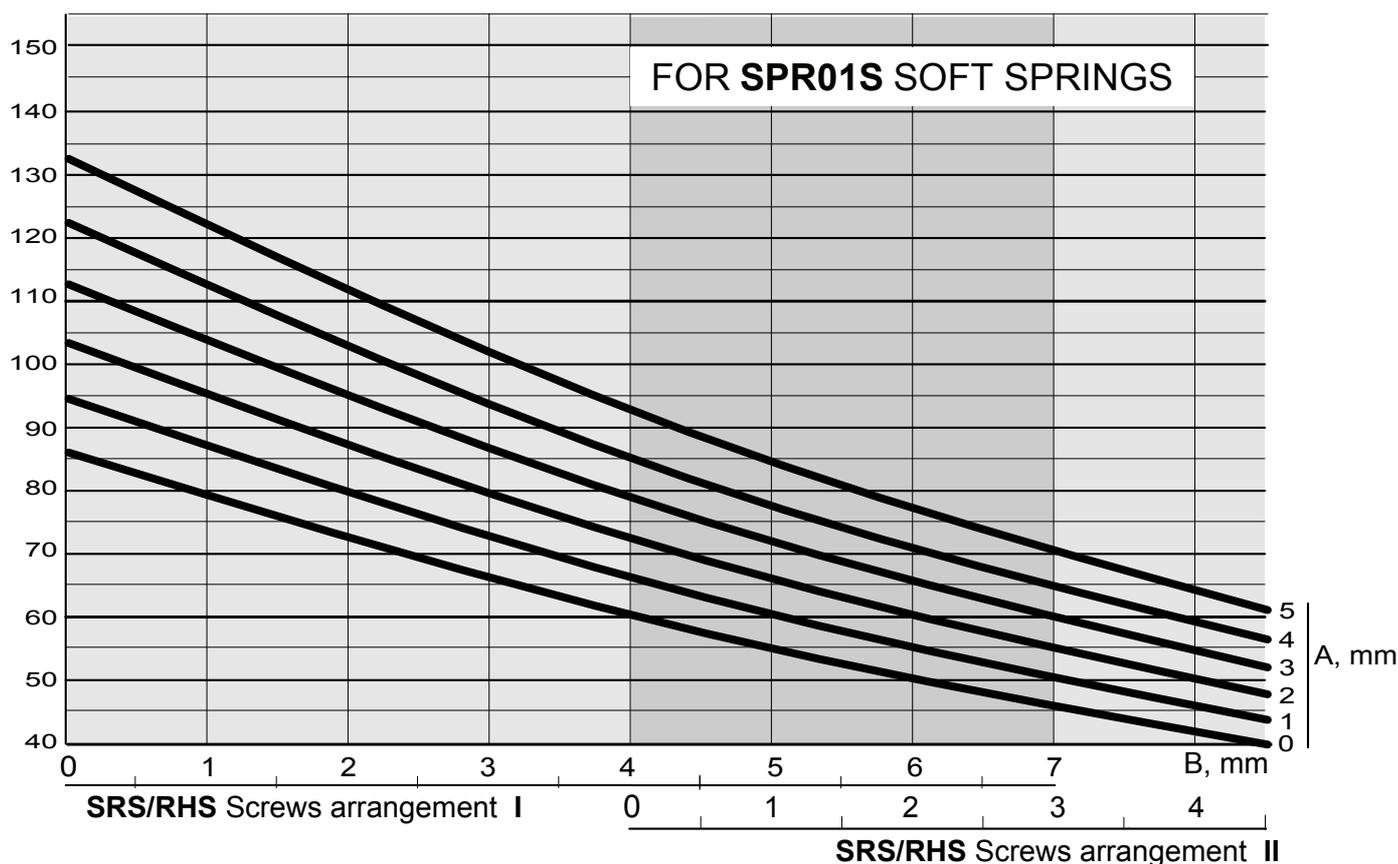
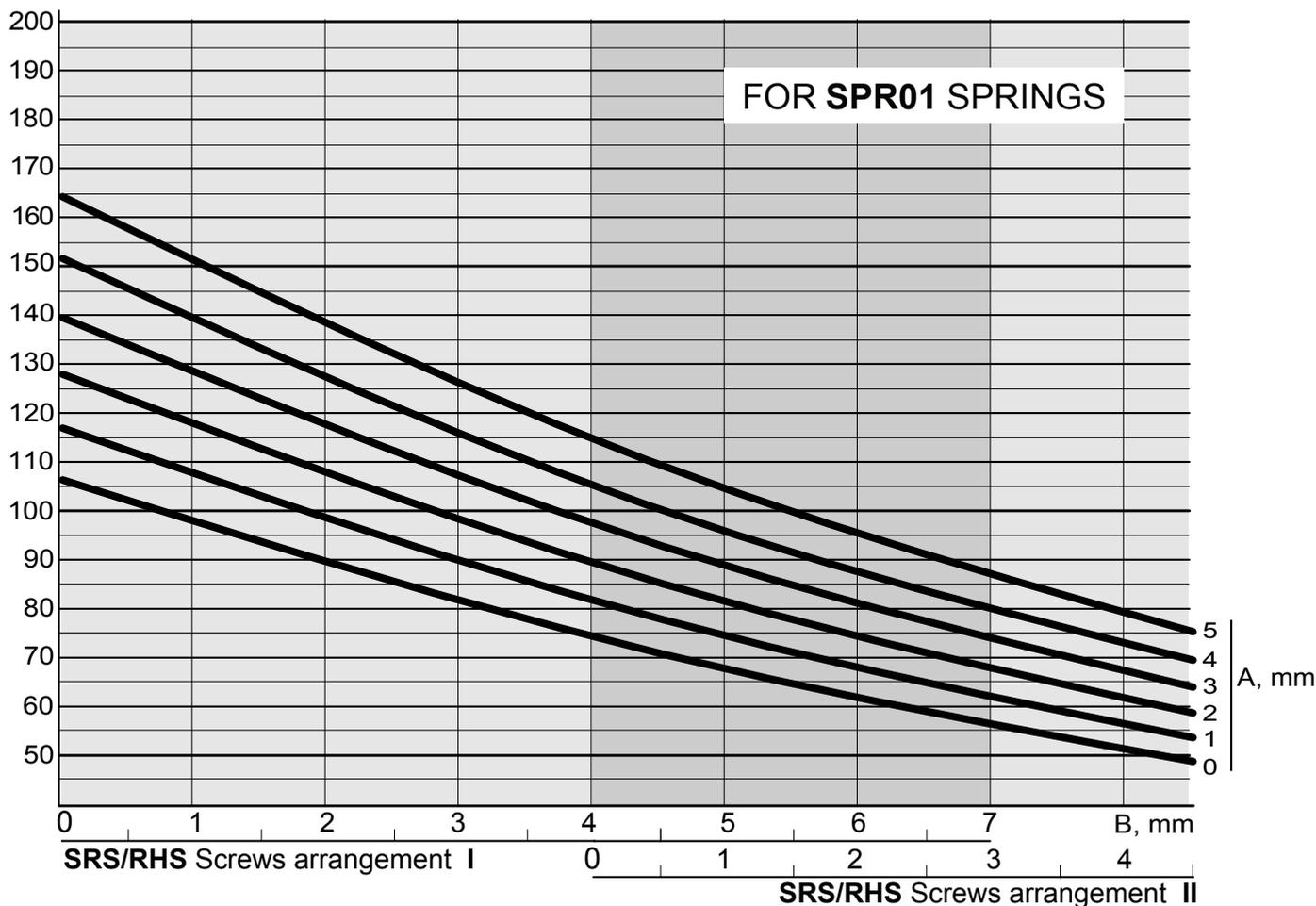
Sample of 1.4mm size B setting

DG1X

DG1X

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																				4,98	5,03	5,08	5,14	5,19	5,24	5,29	5,34	5,39	5,44
37																		4,80	4,85	4,90	4,95	5,00	5,05	5,10	5,15	5,20	5,25	5,30	
38																	4,63	4,68	4,73	4,77	4,82	4,87	4,92	4,97	5,02	5,07	5,12	5,16	
39																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	
40															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	
41														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	
42													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	
43												3,89	3,93	3,97	4,02	4,06	4,10	4,15	4,19	4,23	4,28	4,32	4,36	4,40	4,45	4,49	4,53		
44											3,76	3,80	3,84	3,88	3,93	3,97	4,01	4,05	4,10	4,14	4,18	4,22	4,26	4,31	4,35	4,39			
45										3,63	3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,97	4,01	4,05	4,09	4,13	4,17	4,21	4,25				
46									3,52	3,56	3,60	3,64	3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,96	4,00	4,04	4,08	4,12					
47							3,40	3,44	3,48	3,52	3,56	3,60	3,64	3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,96	4,00							
48						3,30	3,33	3,37	3,41	3,45	3,49	3,53	3,57	3,61	3,64	3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,96	4,00					
49					3,19	3,23	3,27	3,31	3,34	3,38	3,42	3,46	3,50	3,53	3,57	3,61	3,65	3,69	3,72	3,76	3,80	3,84	3,88						
50				3,09	3,13	3,17	3,20	3,24	3,28	3,32	3,35	3,39	3,43	3,46	3,50	3,54	3,58	3,61	3,65										
51			3,00	3,03	3,07	3,11	3,14	3,18	3,22	3,25	3,29	3,33	3,36	3,40	3,43	3,47	3,51	3,54											
52		2,90	2,94	2,98	3,01	3,05	3,08	3,12	3,15	3,19	3,23	3,26	3,30	3,33	3,37	3,41	3,44												
53	2,85	2,85	2,89	2,92	2,96	2,99	3,03	3,06	3,10	3,13	3,17	3,20	3,24	3,27	3,31	3,34													
54	2,76	2,80	2,83	2,87	2,90	2,94	2,97	3,01	3,04	3,07	3,11	3,14	3,18	3,21	3,25														
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																		5,78	5,85	5,93	6,00	6,08					
26																	5,48	5,55	5,63	5,70	5,77	5,85					
27																5,21	5,28	5,35	5,42	5,49	5,56	5,63					
28															4,95	5,02	5,09	5,16	5,23	5,29	5,36	5,43					
29														4,72	4,78	4,85	4,91	4,98	5,04	5,11	5,18	5,24					
30													4,497	4,56	4,62	4,69	4,75	4,81	4,88	4,94	5,00	5,07					
31											4,29	4,35	4,41	4,47	4,54	4,60	4,66	4,72	4,78	4,84	4,90						
32										4,10	4,16	4,22	4,28	4,33	4,39	4,45	4,51	4,57	4,63	4,69	4,75						
33								3,92	3,97	4,03	4,09	4,15	4,20	4,26	4,32	4,38	4,43	4,49	4,55								
34								3,74	3,80	3,86	3,91	3,97	4,02	4,08	4,14	4,19	4,25	4,30	4,36								
35							3,58	3,64	3,69	3,75	3,80	3,85	3,91	3,96	4,02	4,07	4,13	4,18									
36							3,43	3,48	3,54	3,59	3,64	3,69	3,75	3,80	3,85	3,91	3,96	4,01									
37						3,29	3,34	3,39	3,44	3,49	3,54	3,59	3,65	3,70	3,75	3,80	3,85										
38				3,15	3,20	3,25	3,30	3,35	3,40	3,45	3,50	3,55	3,60	3,65	3,70												
39			3,02	3,07	3,12	3,17	3,22	3,26	3,31	3,36	3,41	3,46	3,51	3,56													
40		2,90	2,95	2,99	3,04	3,09	3,14	3,18	3,23	3,28	3,33	3,37	3,42														
41	2,78	2,83	2,87	2,92	2,97	3,01	3,06	3,10	3,15	3,20	3,24	3,29															

Standard Spare Parts

Parts#	Description
AM06WL	Steering Block
AM14FX	Steering Arm
AM15-3	Battery Nut
AM17XL	Damper Holder L
AM17XR	Damper Holder R
AM19FX	Upper Arm Holder
AM23-1	Rear Steering Arm
AM24-8	Central Servo Holder
AM77FX	Motor Mount FWD
AM78X1	Bulkhead
AM88R	Shock Holder R
AM88L	Shock Holder L
AT13	Wheel Hex
AT13FX	Rear Wheel Hex FWD
AT14	Turnbuckle
AT21	Pivot Ball
AT25	Turnbuckle Long
AT25-44	Turnbuckle Long 44 mm
AT40-1	Damper Cup
AT41-2	Damper Vane
AT42-1	Damper Case
AT55M	Spur Nut
AT62	Spur Holder
AT67	Pulley Washer
AT120-FX	20T Alloy Pulley FWD
AT123B	GD2B Case1
AT124B	GD2B Case2
AT142	Sway Bar Stopper
AT157	Rear Upright FWD
ST01	Front Axle
ST03	Ball Stud
ST05L	Shock Rod
ST113	IFJ Universal Bone
ST116	IFJ/IRJ Cross
ST16	U-Joint Cross
ST17-1	Universal Ring
ST019	Top Deck Screw
ST23X	IRJ Outdrive
ST24	4,8x6mm Ball Stud
ST24M	4,8x8mm Ball Stud
ST31-1	GD2 Output Axle
ST38	Universal Nut
ST68	Flanged Wheel Nut
ST70	Guide Bar FWD
ST105	5g Round Weight
ST110	10g Round Weight
ST152	Steering Holder FWD
ST265	Bumper weight FWD
G07	GD2 Satellite Gear
G08	GD2 Bevel Gear
D2.2	D2.2 Damper
P01	Ball Joint-1
P02	Ball Joint-2
P03	Arm Ball Cap
P04	Arm Hasp
P05	Sway Bar Joint
P07	Arm Clip
P09X	Shock Screw Holder
P12X	Sway Bar Holder
P13-4	Ball End
P14X	Bumper Set
P15FX	Foam Bumper FWD
P16	Lock Ring
P23	Outer Battery Holder

Parts#	Description
P25	Battery Clamp
P39	GD2 Cross Pin
P45R	Damper Piston
P46R	Diff Piston
P49	Steering Rack FWD
P56	Antenna Holder
P110	Bearing Housing
P138	38T Pulley
C01FXC	Lower Deck Carbon FWD
C01FXA	Lower Deck Alloy FWD
C04M1+8.0	Suspension Arm
C04M1+9.0	Suspension Arm
C27FX	Top Deck FWD
C34	Rear Strut FWD
C105	Rear Body Holder FWD
C107	Front Top Deck FWD
SWB10	Sway Bar 1.0mm
SWB11	Sway Bar 1.1mm
SWB12	Sway Bar 1.2mm
SPR01	Shock Spring
SPR01S	Shock Spring Soft
SPR02X	Shock Rod Guide
SPR03	Shock Pointer
SPR05	Body Clip
SPR07	E-Ring
SH0.5	6x3x0.5mm Spacer (silver)
SH1.0	6x3x1.0mm Spacer (gray)
SH1.75	6x3x1.75mm Spacer (black)
SH12X1.5	4x12x1,5mm Spacer
WA02	3x5x0.2 Washer
WA03	5x15x0.3 Washer
PIN01	1.5x7.8 Pin
PIN02	1.5x5.8 Pin
OR13V	1x13 mm O-ring
OR05V	GD O-Ring Medium
OR06	5.5mm O-RING
OR155V	Damper O-Ring
OR18	1x8mm O-ring
B106RS	MR106RS Bearing
B85	MR85 Bearing
B84SS	MR84ZZ Bearing
B63SS	MR63ZZ Bearing
B415	B415ZZ Bearing
SRS	Spring Rating Screw
RHS	Ride Height Screw
SC2X4	M2x4 Cap Head Screw
SC2X6	M2x6 Cap Head Screw
SB2.5X8	M2.5x8 Button Head Screw
SS3X3	M3x3 Set Screw
SS3X3-914	M3x3 Set Screw DIN914
SS3X4	M3x4 Set Screw
SB3X4F	M3x4 Flange Head Screw
SB3X5	M3x5 Button Head Screw
SB3X6	M3x6 Button Head Screw
SB3X8	M3x8 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
BEL225B	Belt 225 mm Bando
DG1X	Damper Guage Set
INS-A800FX	A800FX Manual
STS-A800FX	A800FX Stickers Sheet

Optional Parts

Parts#	Description
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
ST17	Universal Ring
ST24L	4.8x10mm Ball Stud
ST69-00	Linear Spring Screw
ST113US	IFJ Universal Bone
AT06	Alloy Antenna Holder
AT13W	Wheel Hex Wide
AT15	Bearing Spacer
AT21ST-A	Pivot Ball Steel Short
AT78	Damper Piston
AT139	Fan Holder
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
AM78ST	Bulkhead
DT10-2-1	Bearing Housing
DT10-3	Bearing Housing
OR152S	U-Ring
P20	Front Universal Ring
P40F	Servo Arm (Futaba)
P40K	Servo Arm (KO)
P45L	Sponge Piston
P45Y	Rubber Piston
P138LF	38T Pulley Low Friction
RHS-P	Precise Ride Height Screw
SB3X5AL	M3x5 Alloy Button Head Screw
SH0.1	6x8x0.1 Shim
SH0.25	3x6x0.25mm Shim
SH3X5X0.5	3x5x0.5mm Shim
SPR08	Body Support Set
SS3X5	M3x5 Set Screw
SWB13	Sway Bar 1.3mm
BW22	Battery Holder 22 g
T01	5.5/4 mm Wrench
D2.2-S	Damper Set
FCB	Flexible Caster Block Set
BC1	Battery Clamp Set
PSS	Progressive Spring System



UAB "AWESOMATIX"
Email: support@awesomatix.com