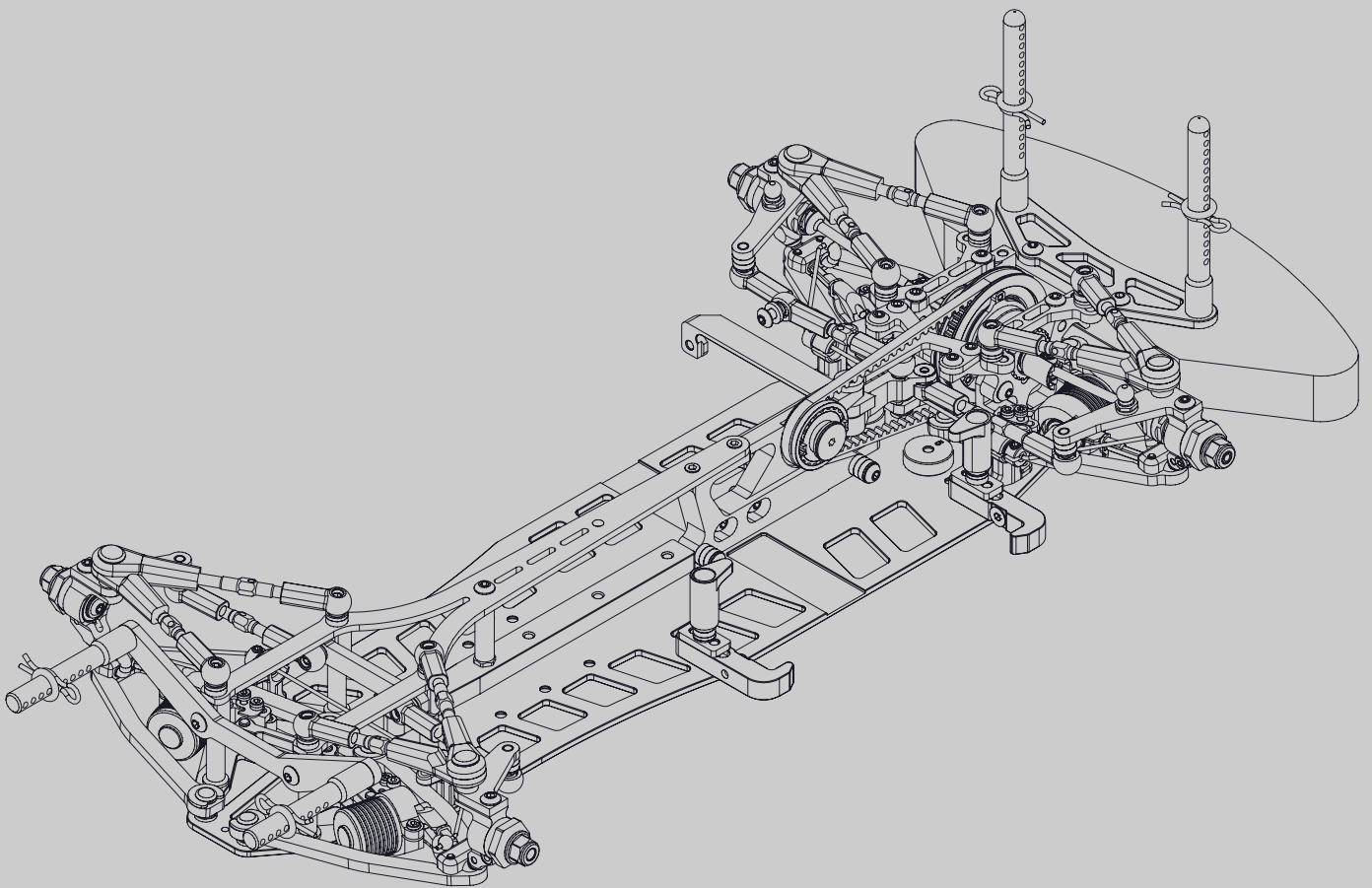


A800FX Evo

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. 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.

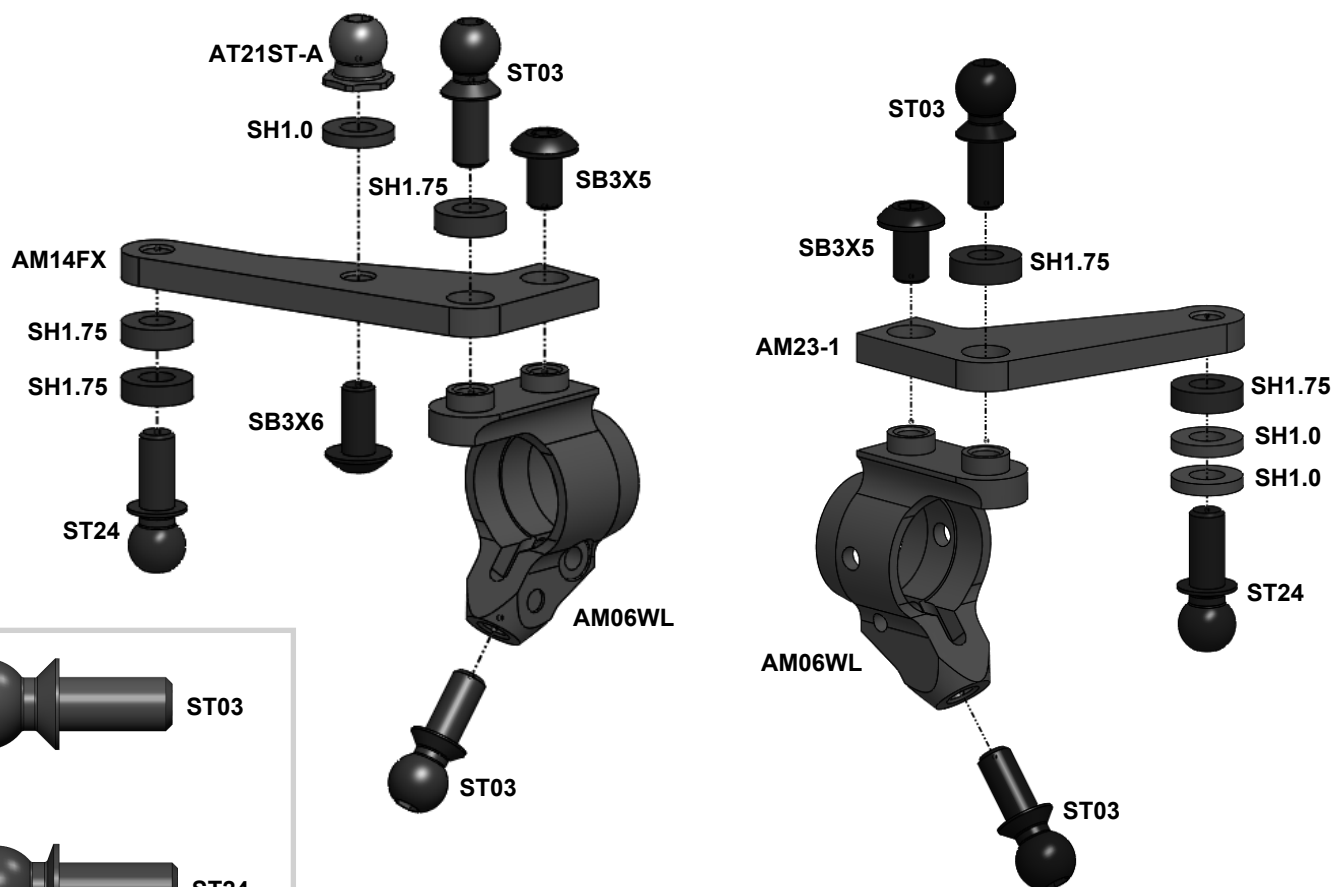
EQUIPMENT RECOMMENDED (NOT INCLUDED)

- 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

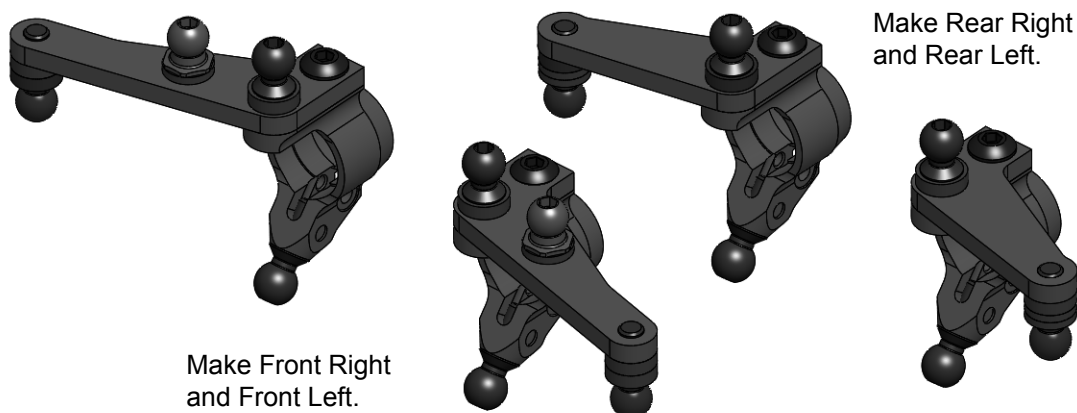


Note: The last turns of the lower **ST03** Ball Studs and **SB3X5** screws can be tight. Screw them with force.

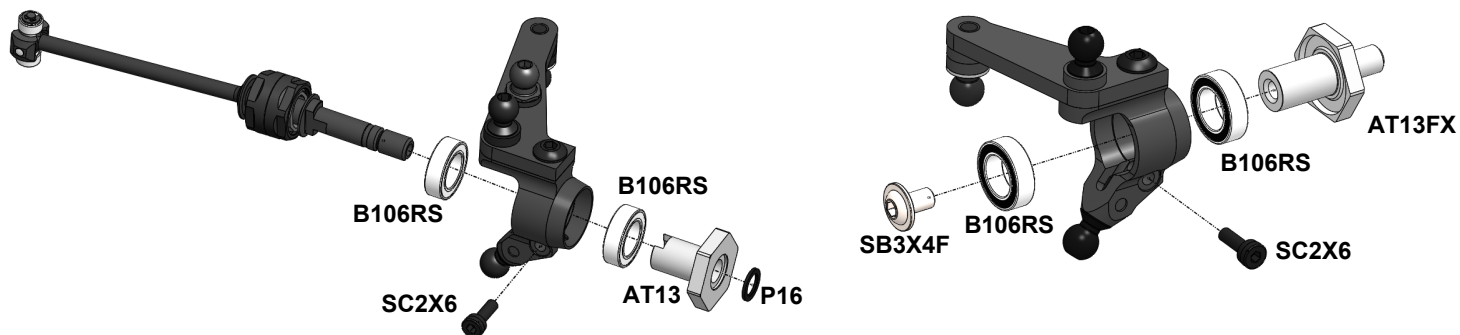
		SB3X5 M3x5 Button Head Screw	x4		ST03 Ball Stud	x8
		SB3X6 M3x6 Button Head Screw	x2		AM06WL Steering Block	x4
		SH1.0 6x3x1mm Spacer (Gray)	x6		AM14FX Steering Arm	x2
		SH1.75 6x3x1.75mm Spacer (Black)	x10		AM23-1 Rear Steering Arm	x2
		AT21ST-A Pivot Ball	x2		ST24 4,8x6 mm Ball Stud	x4

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.

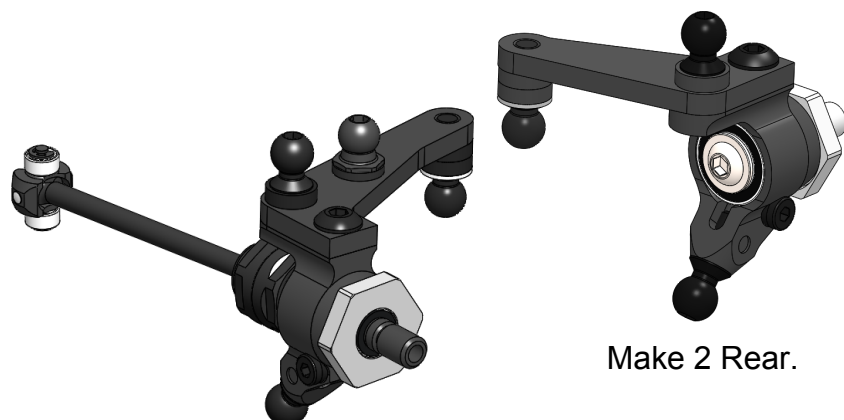


STEP 3



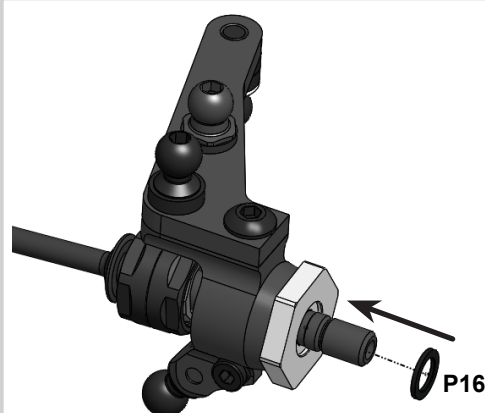
	B106RS MR106RS Bearing	x8	AT13 Wheel Hex	x2
	SC2X6 M2x6 Cap Head Screw	x4	AT13FX Wheel Hex	x2
	P16 Lock Ring	x2		SB3X4F Flanged Screw x2

STEP 3 FINISHED



Make 2 Front.

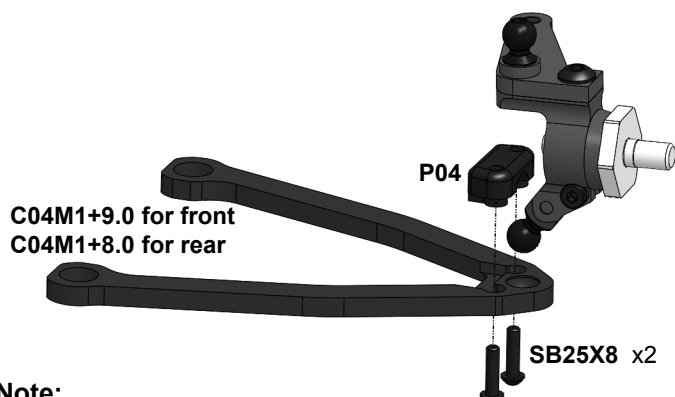
Make 2 Rear.



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

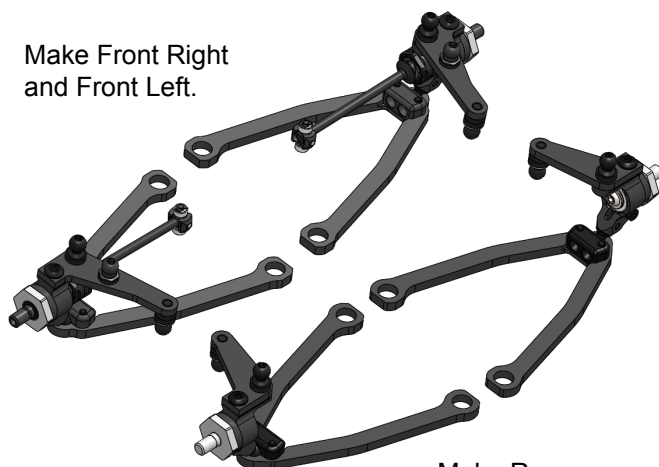
	SB25X8 M2.5x8 Button Head Screw	x8
	C04M1+8.0 Suspension Arm	x2
	C04M1+9.0 Suspension Arm	x2
	P04 Arm Hasp	x4



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

Make Front Right
and Front Left.



Make Rear
Right and Rear Left.

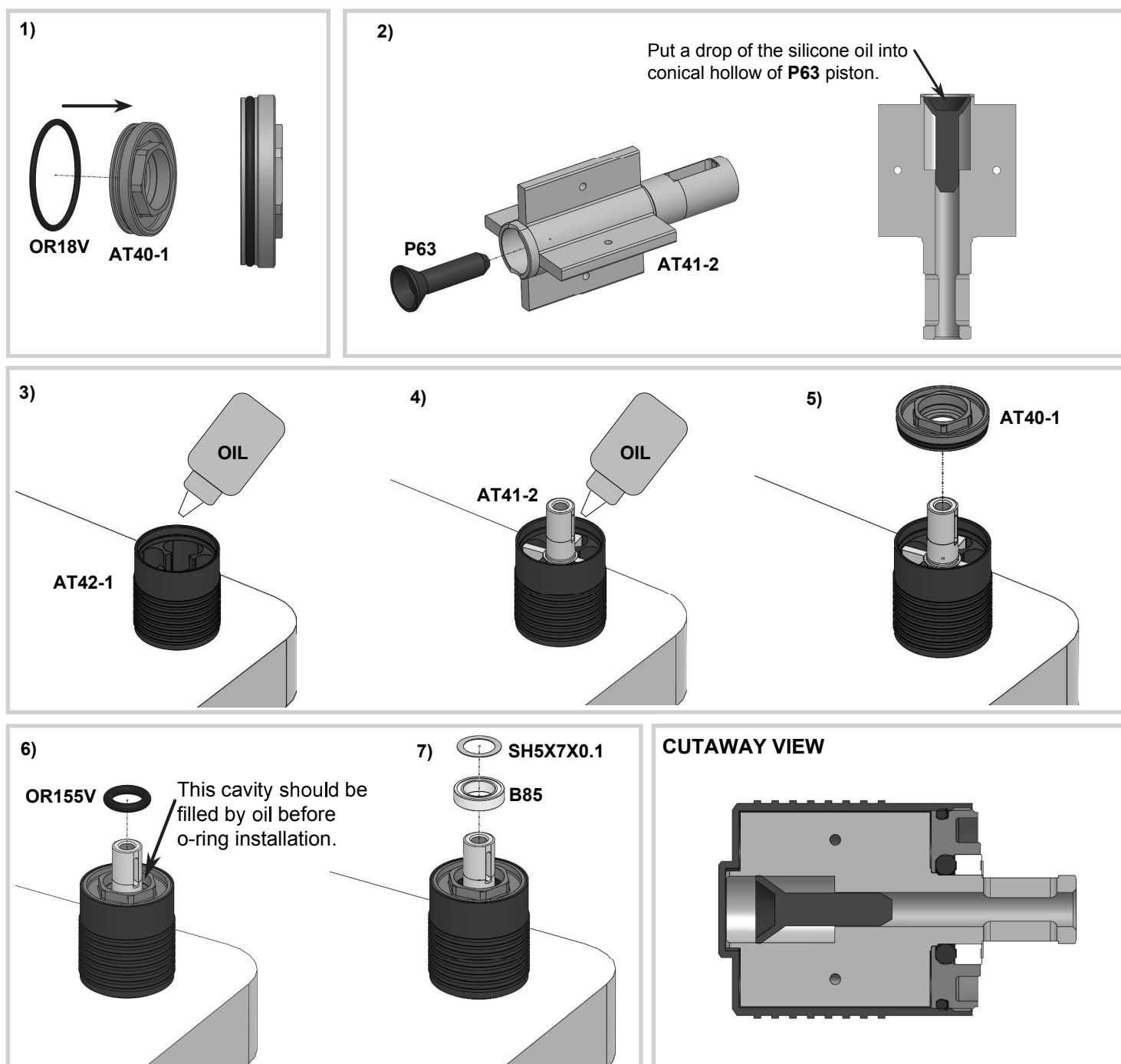
STEP 5

Assembling of the Dampers

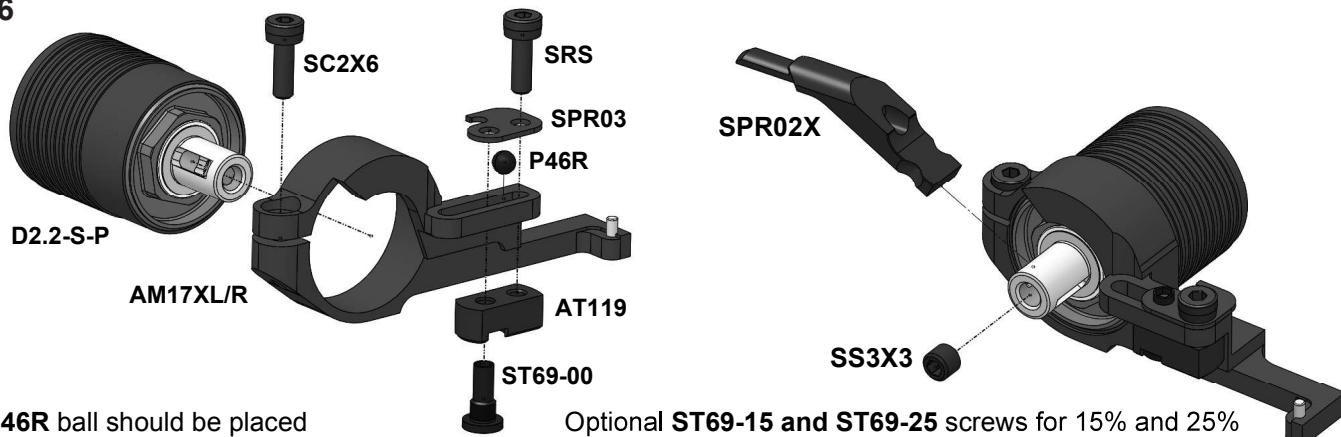
Note: We recommend to use 500 cst pure silicone oil for **D2.2-S-P** dampers of this kit.

- 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



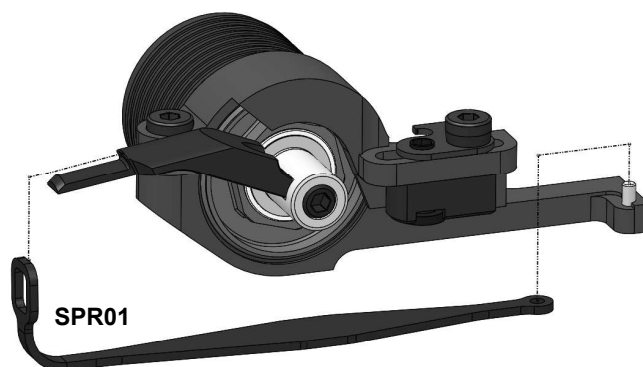
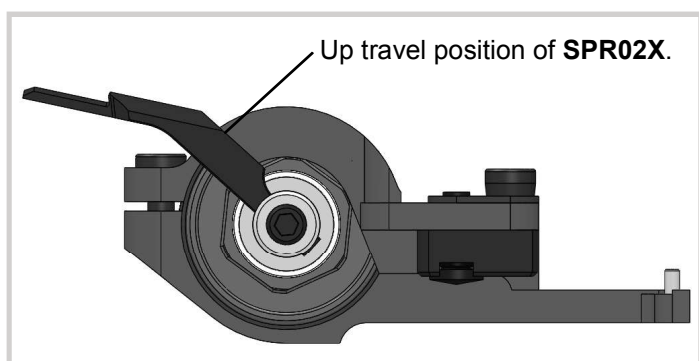
Note: **P46R** ball should be placed between **SRS** screw and **ST69-00** screw.

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

STEP 6 (cont'd)

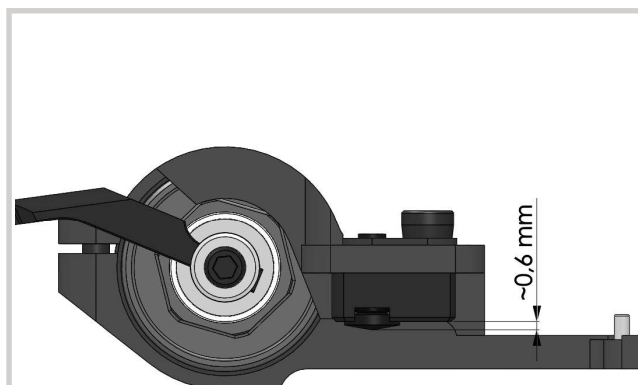
	SC2X6 M2x6 Cap Head Screw	x4	AM17XR Damper Holder Right	x2
	SRS Spring Rating Screw	x4	AM17XL Damper Holder Left	x2
	SS3X3 Set Screw	x4	D2.2-S-P Damper	x4
	SPR03 Shock Pointer	x4	SPR01 STD Shock Spring	x4
			SPR02X Shock Rod Guide	x4
			ST69-00 Ride Height Screw	x4
			AT119 Spring Screw Holder	x4
		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

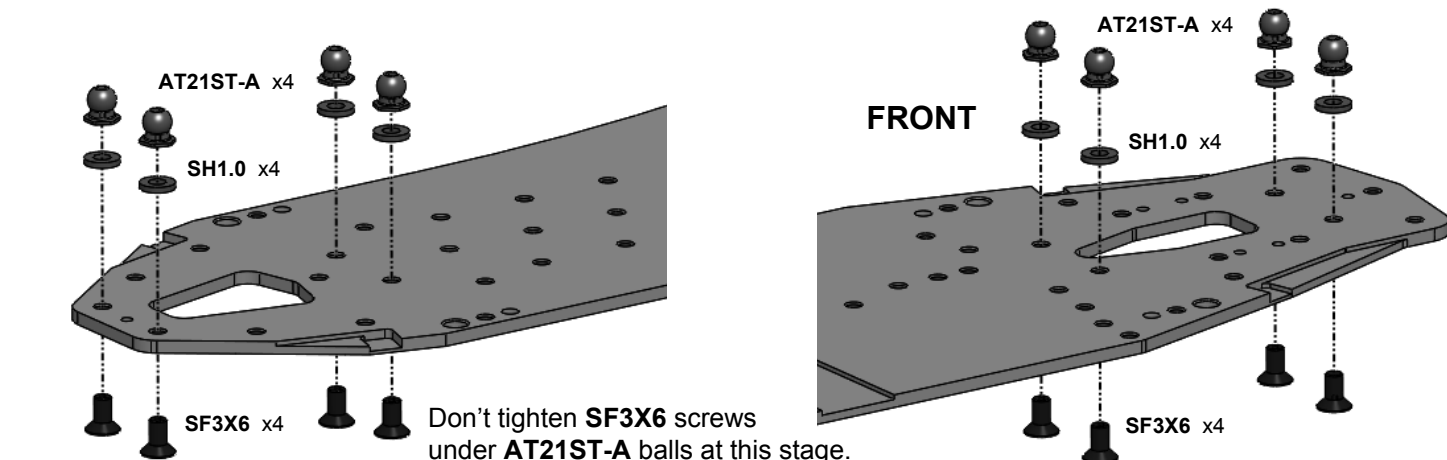
Assemble 2 Right Shocks
and 2 Left Shocks.



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

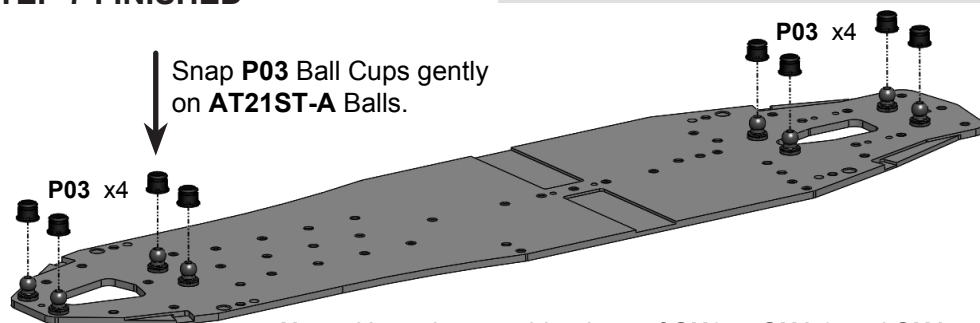


REAR

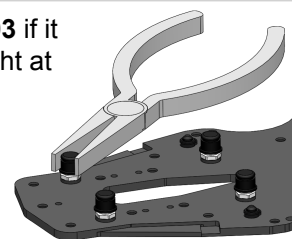
FRONT

		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.



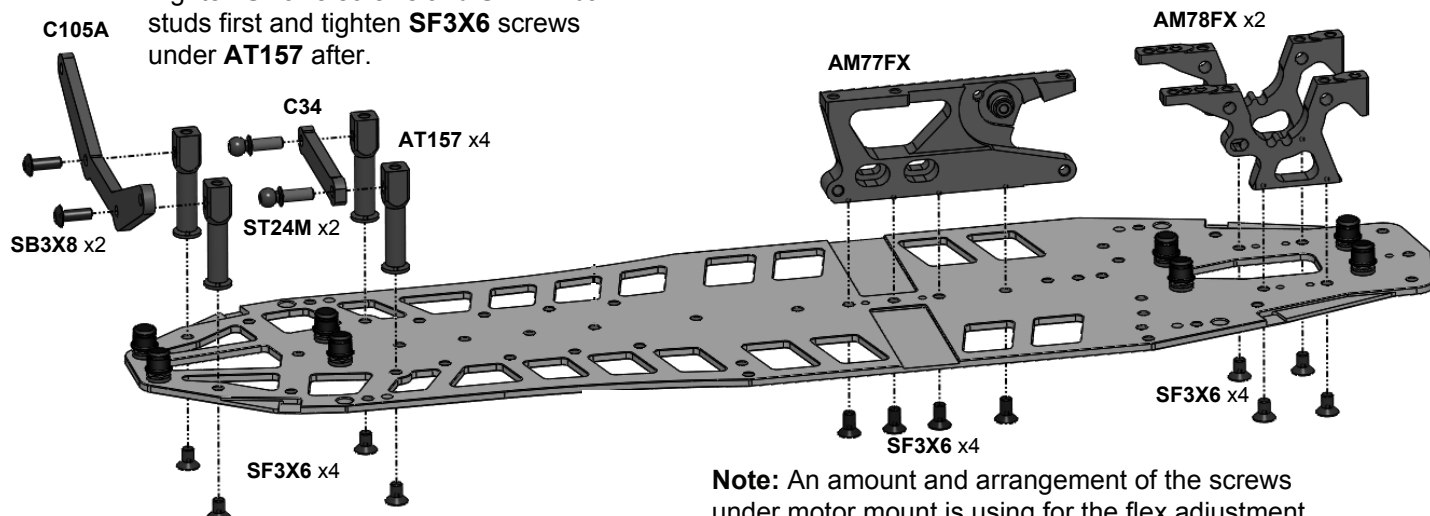
Note: Use other combinations of SH0.5, SH1.0 and SH1.75 spacers under appropriate AT21ST-A balls to adjust your car set-up.

STEP 8

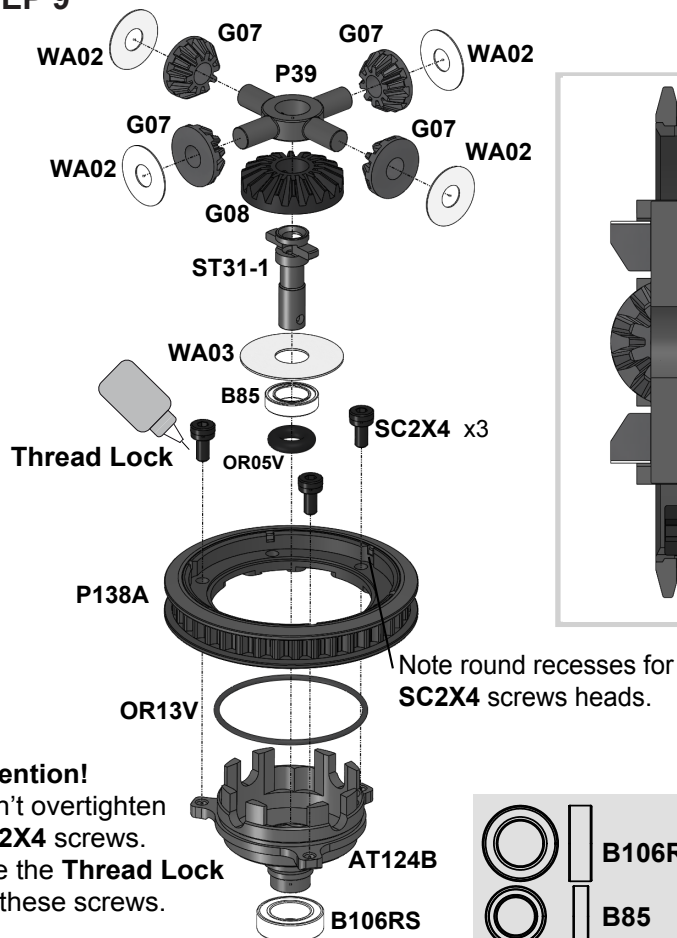
		SF3X6 M3x6 Flat Head Screw	x12		C105A Rear Body Holder	x1
		SB3X8 M3x8 Button Head Screw	x2		AM77FX Motor Mount	x1
		ST24M 4,8mm Ball Stud	x2		AM78FX Bulkhead	x2
		C34 Rear Strut	x1		AT157 Rear Upright	x4

Attention!

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

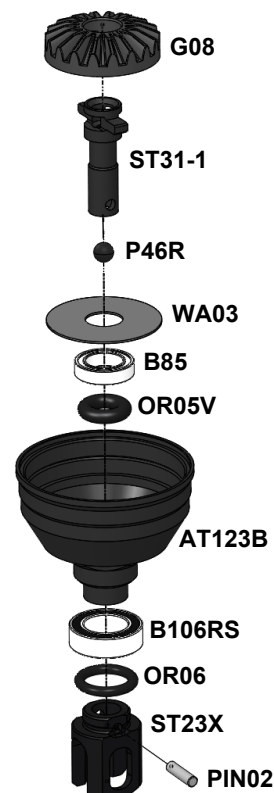
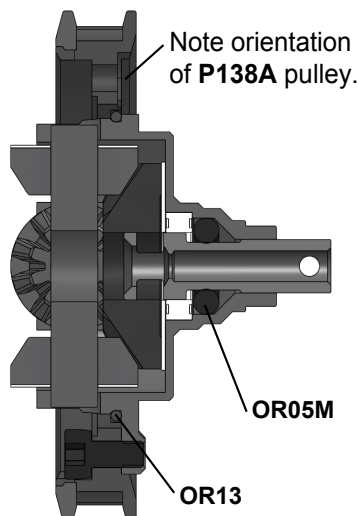


STEP 9



Attention!
Don't overtighten
SC2X4 screws.
Use the **Thread Lock**
for these screws.

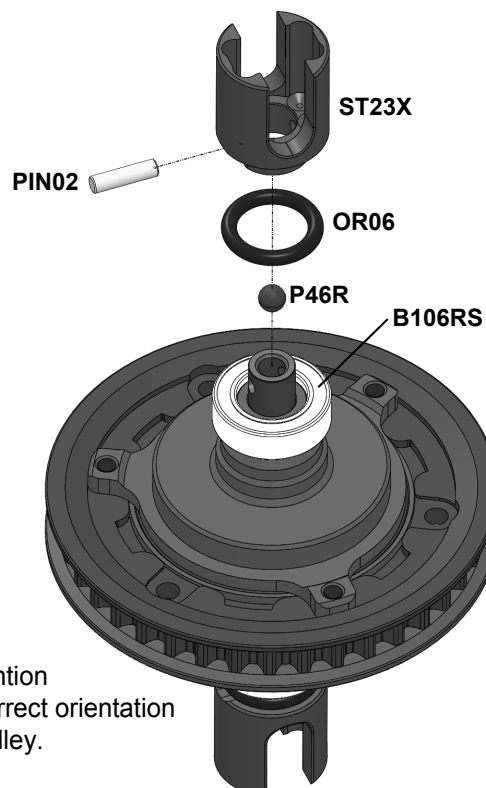
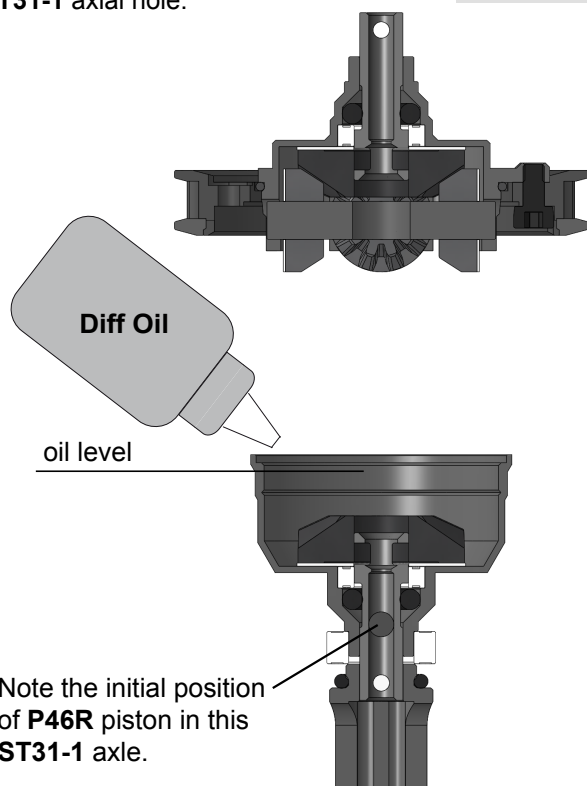
STEP 9 (cont'd)



	B106RS	MR106RS Bearing	x2	AT123B	GD2B Case1	x1
	B85	MR85 Bearing	x2	AT124B	GD2B Case2	x1
	OR05V	O-Ring	x2	P138A	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	OR13V	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

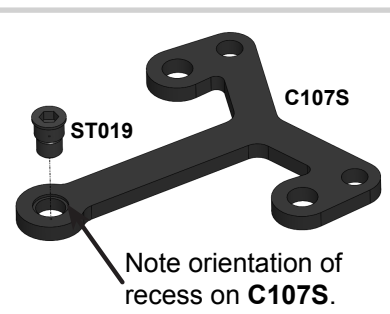
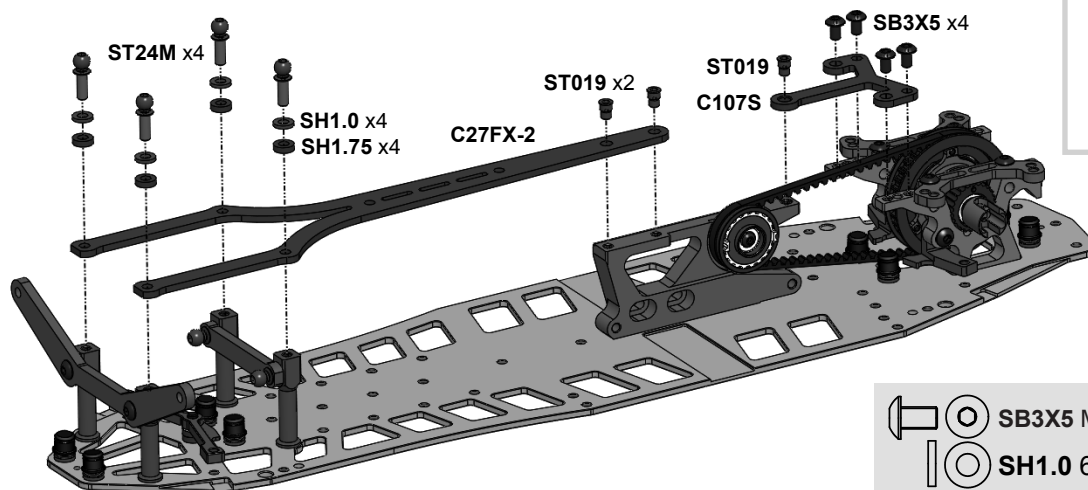
STEP 10

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.



STEP 15

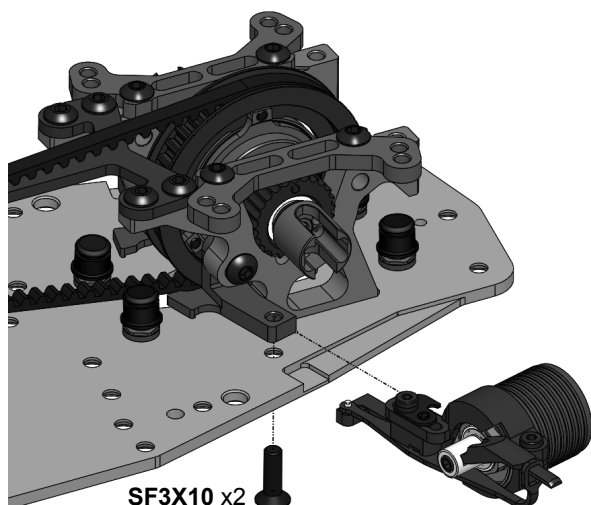
Note: Only one of two **ST019** screws on **C27FX-2** top deck can be installed for increasing of the flex.



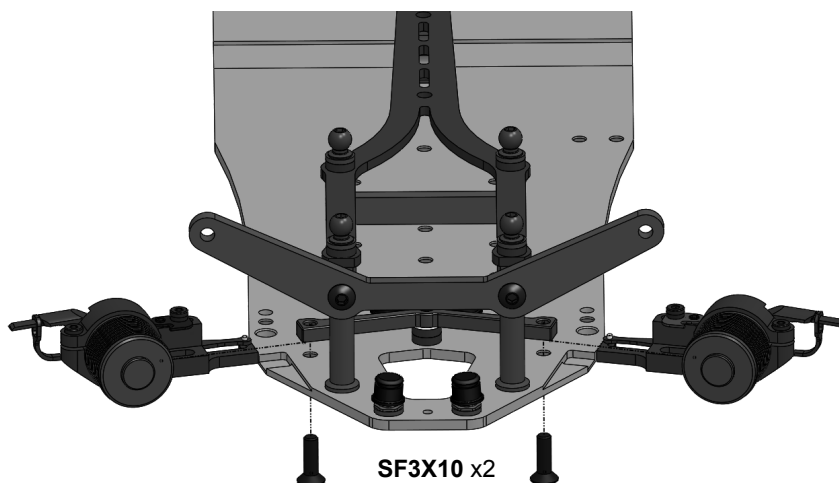
C27FX-2 Top Deck	x1
C107S Front Top Deck	x1
ST24M 4,8x8mm Ball Stud	x4

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

STEP 16



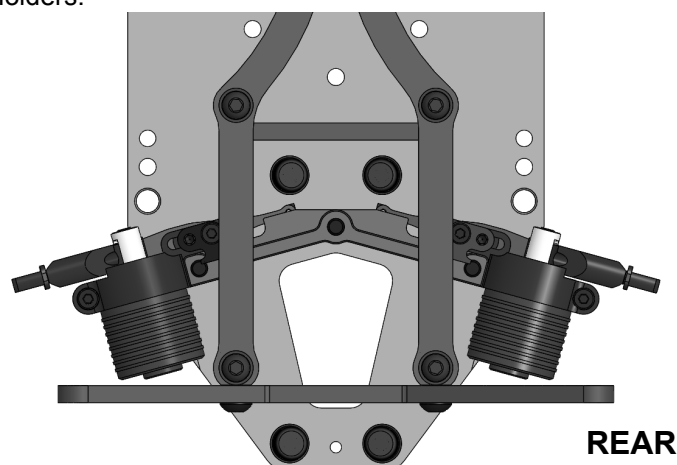
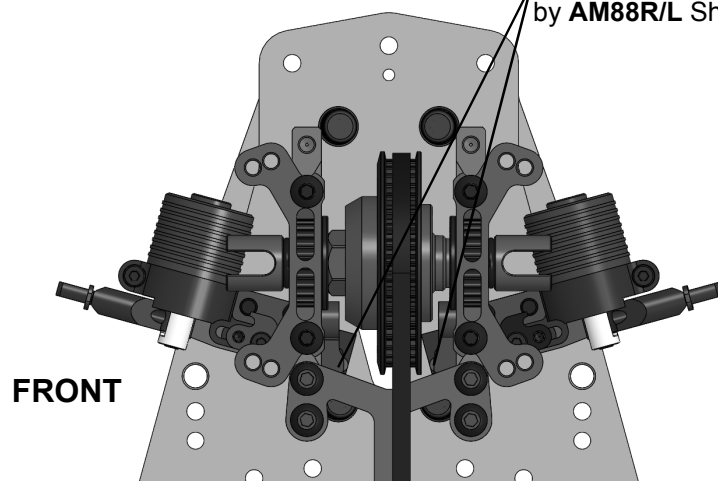
Attention! Tighten **SB3X8** screws of **AM88L/R** with 2mm ball hex driver after tightening of **SF3X10** screws.



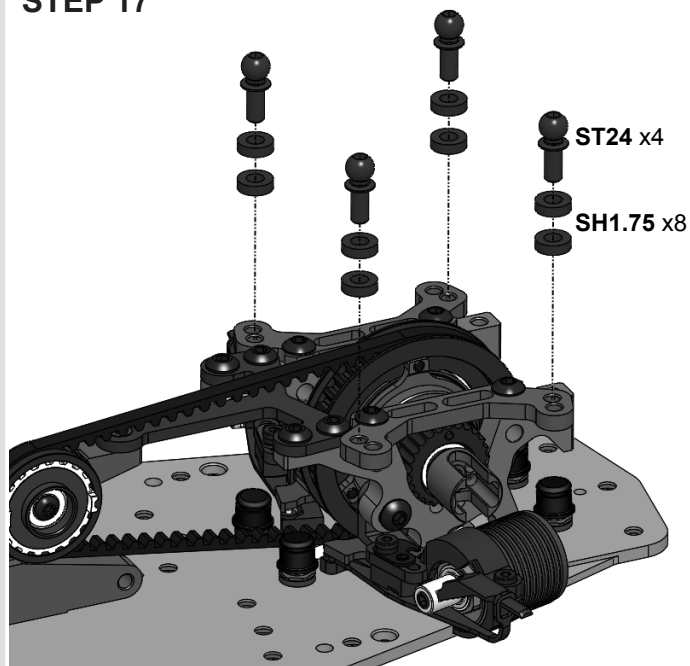
Tighten all three rear **SF3X10** screws now.


STEP 16 FINISHED

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

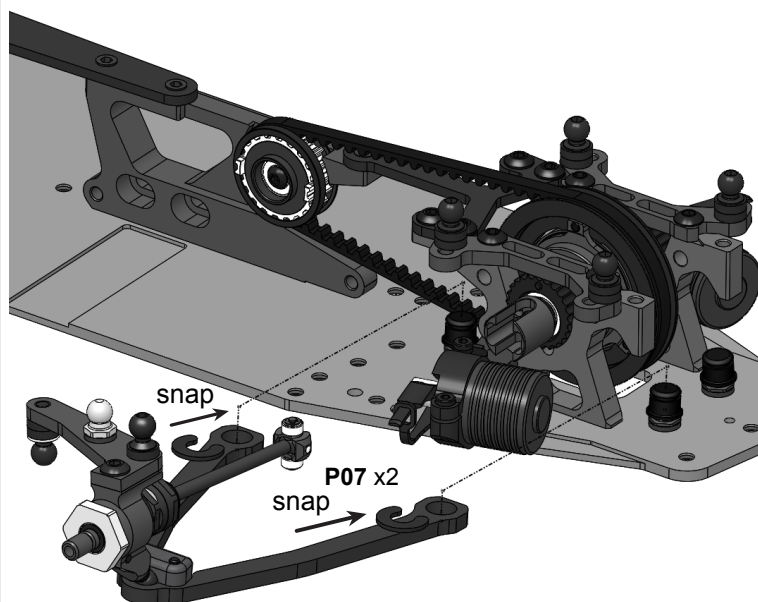


STEP 17



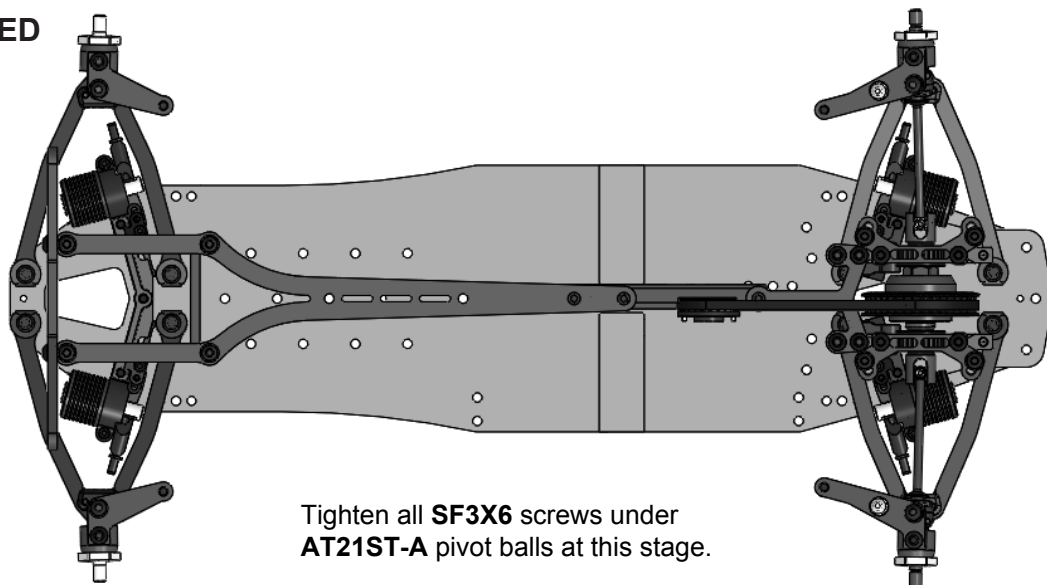
 **SH1.75** 6x3x1.75mm Spacer (black) x8
ST24 4,8x6mm Ball Stud x4

STEP 18

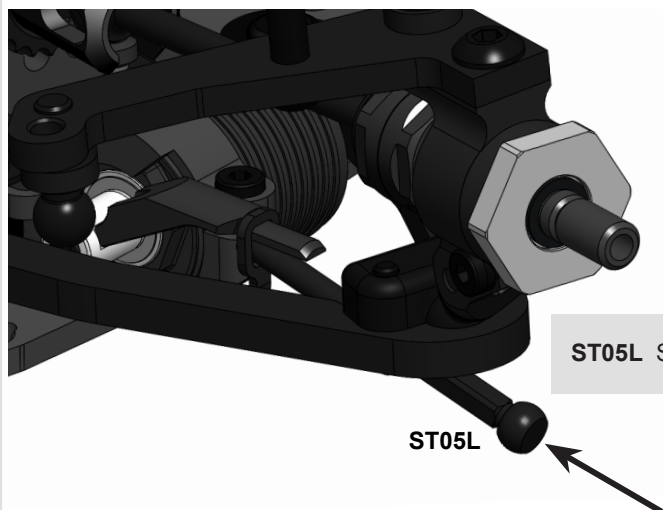


 **P07** Arm Clip x8

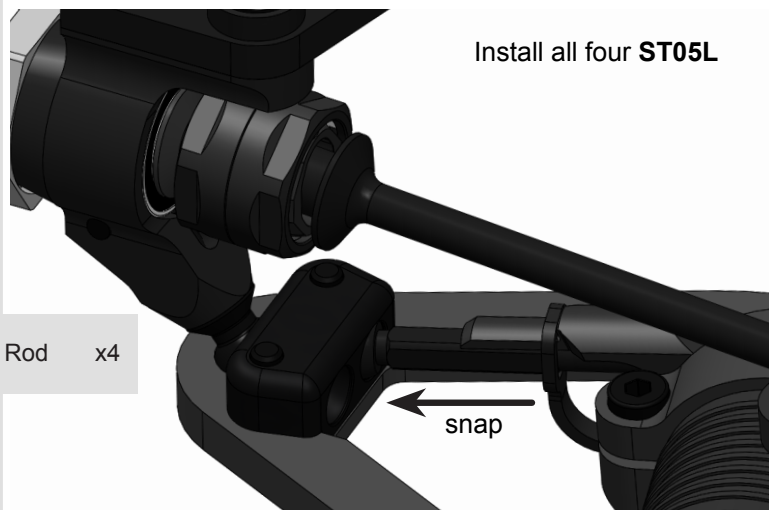
STEP 18 FINISHED



STEP 19

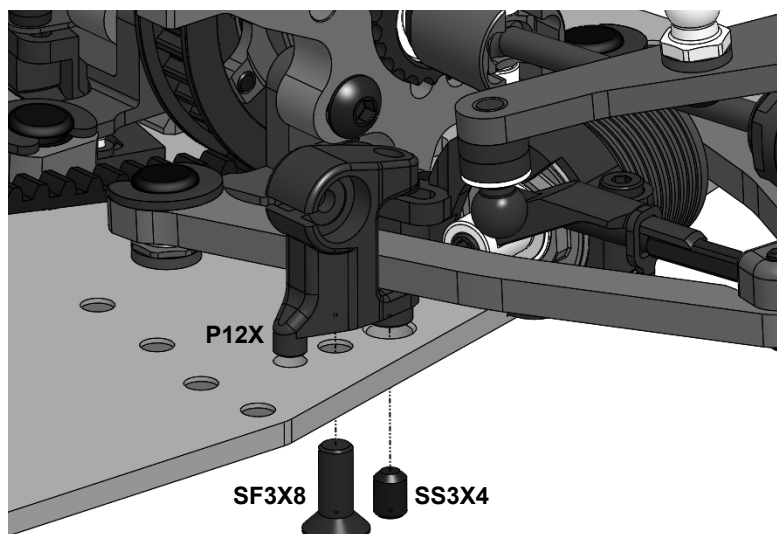
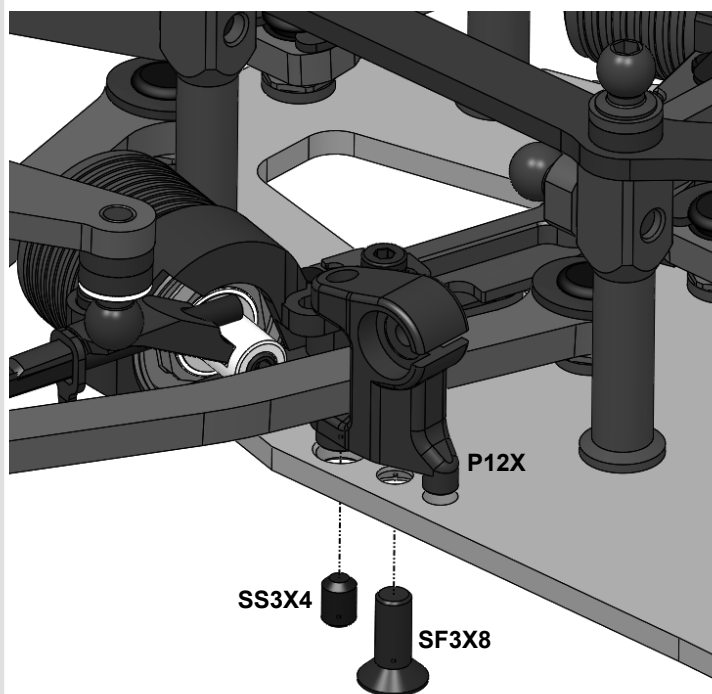


STEP 19 FINISHED



STEP 20

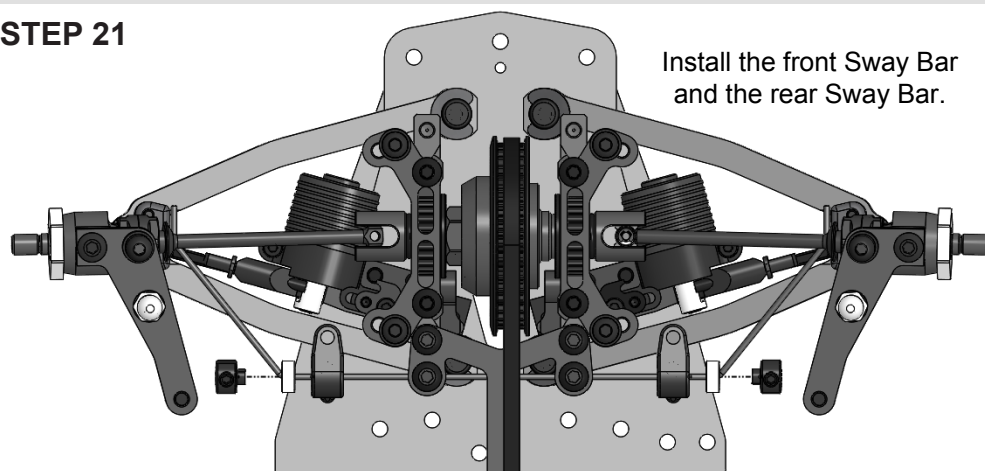
Install four **P12X** Sway Bar Holders.



	SF3X8 M3x8 Flat head Screw	x4
	SS3X4 M3x4 Set Screw	x4
	P12X Sway Bar Holder	x4

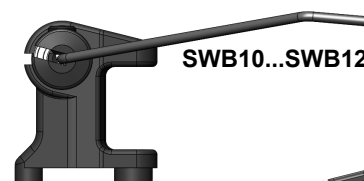
STEP 21

Install the front Sway Bar and the rear Sway Bar.

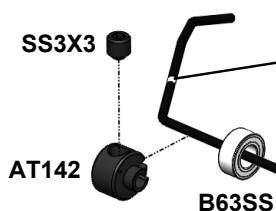
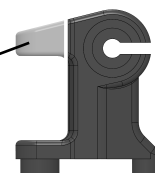


Attention!

The deflected tips of Sway Bar should be directed downwards.



This part of **P12X** can be cutted if higher roll centers will be used.



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

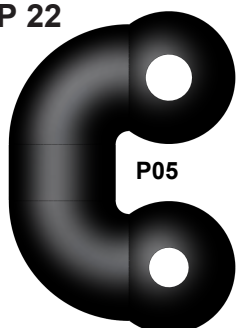
SWB10...SWB12

B63SS

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



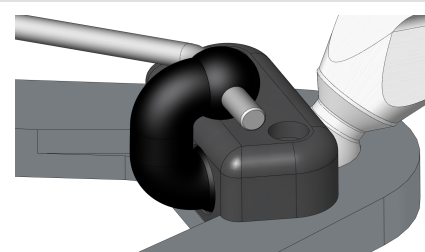
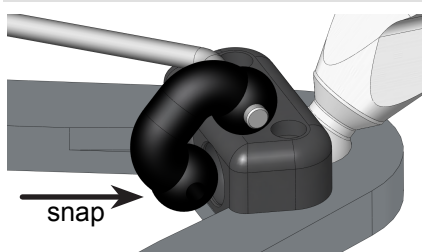
STEP 22



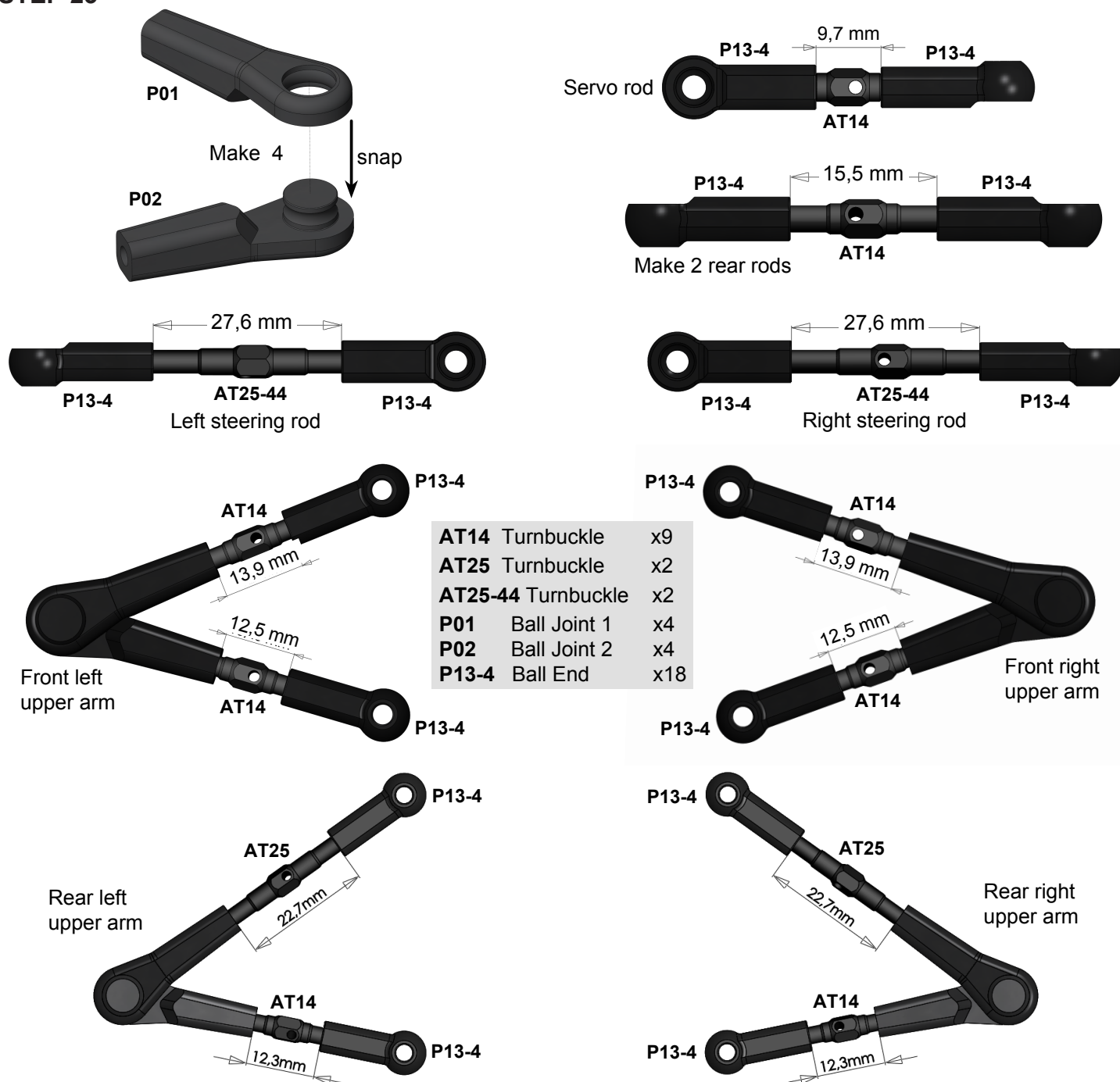
Use bigger hole for **SB12** Sway Bars.

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

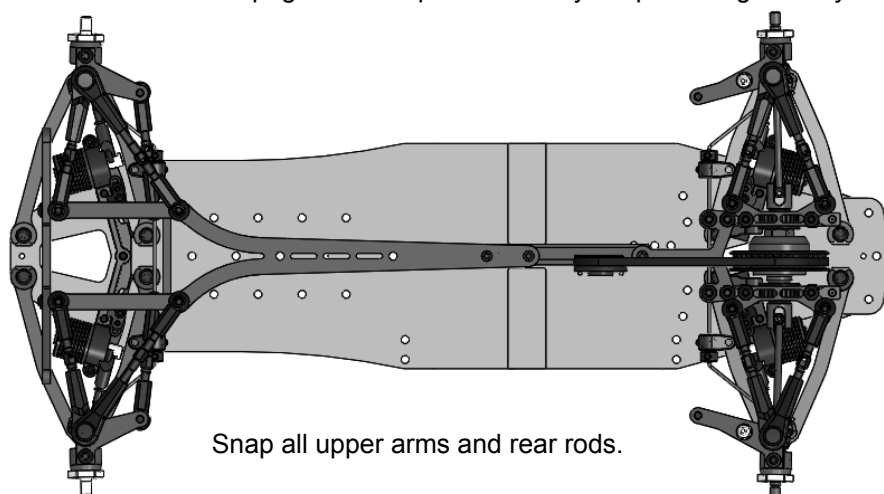
	SS3X3 M3x3 Set Screw	x4
	B63SS MR63ZZ Bearing	x4
	SWB10...SWB12 Sway Bar	x2
	P05 Sway Bar Joint	x4
	AT142 Sway Bar Stopper	x4



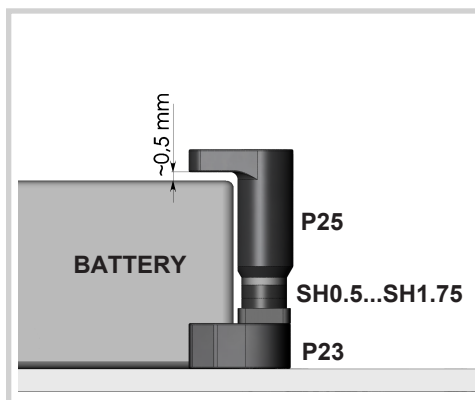
STEP 23



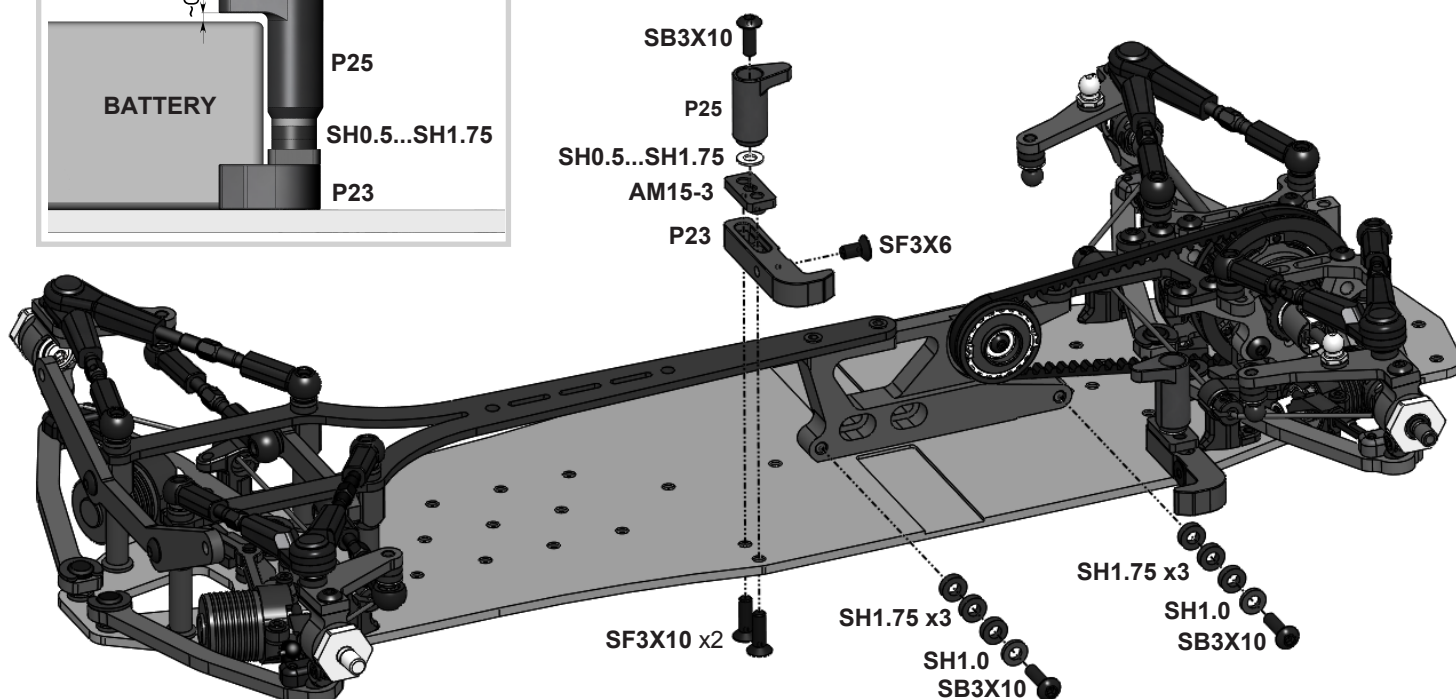
Notes: The given rods and arms sizes are approximately for 4° front caster and 0° rear caster, 2° both front and rear cambers, 1,0° rear toe-in and 1° front toe out angles. Use a setup station or angles gauge for further precise suspension geometry setting. See our recommendations on page #18 for quick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



STEP 24



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






Battery Holders adjustment:

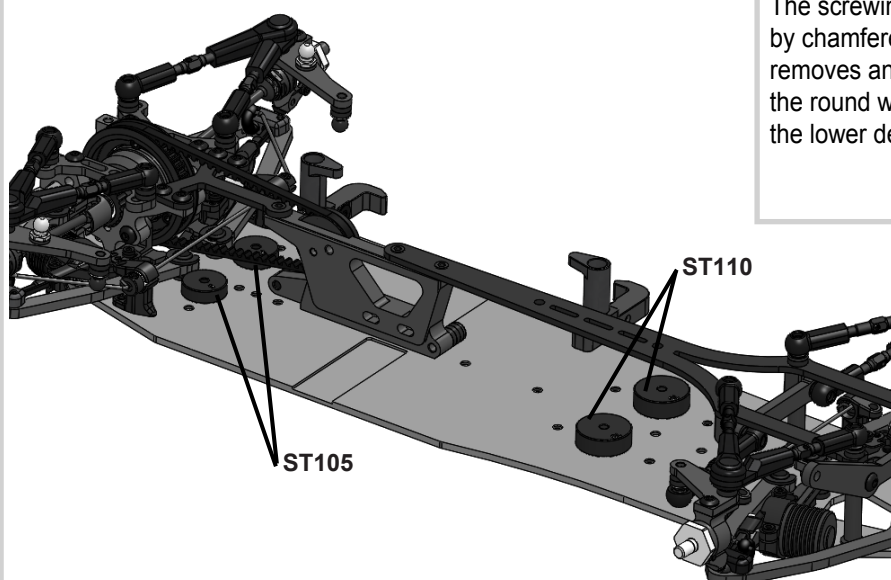
Choose the desirable battery position.

Tighten up **SF3X10** screws to fix

P23 Battery Holders.

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

	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	

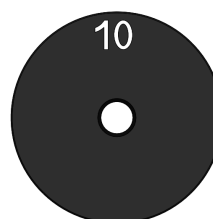


The screwing of **ST110** and **ST105** by chamfered side down almost removes an influence of the round weights on the lower deck flex.

ST110 or ST105



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



ST110 10g Round Weight

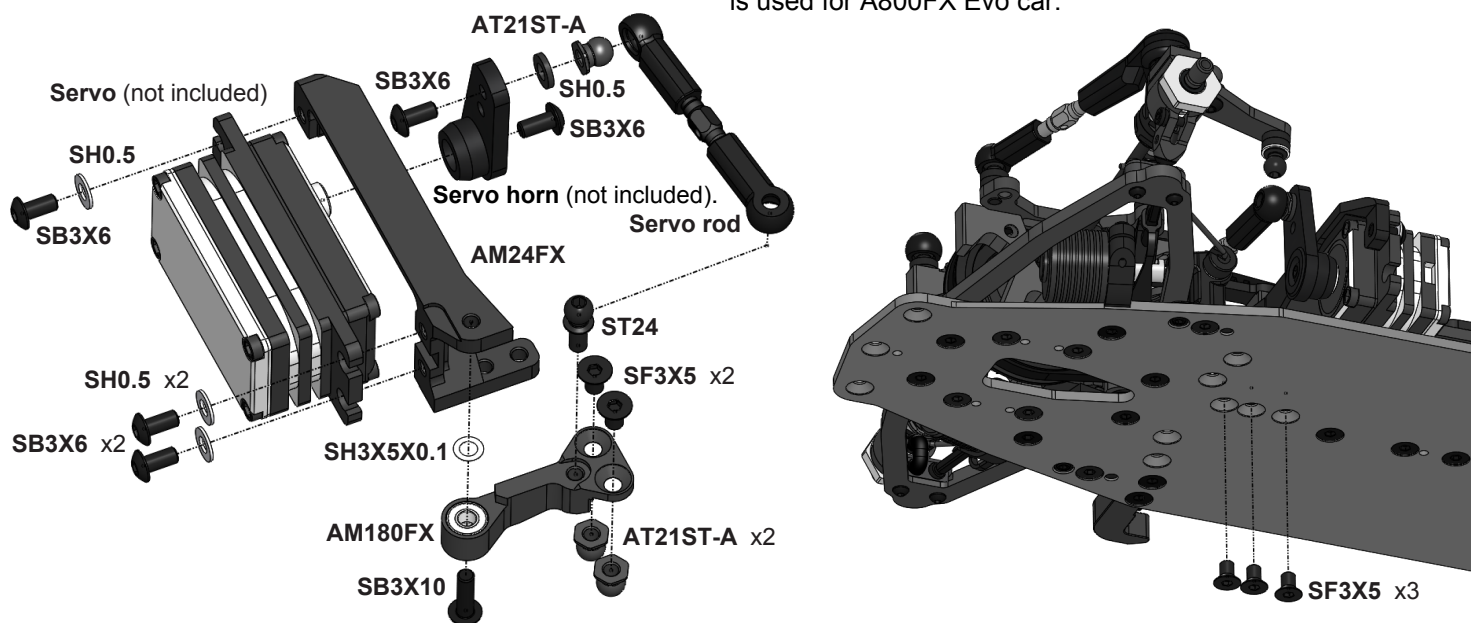


ST105 5g Round Weight

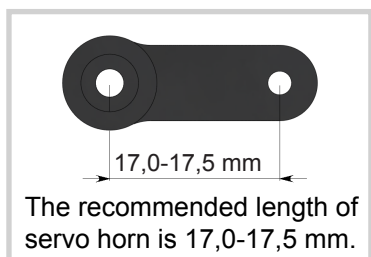
ST110 and **ST105** Round Weights can be used for adjusting of the proper total weight and for the desirable F/R and R/L weight distribution.

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.

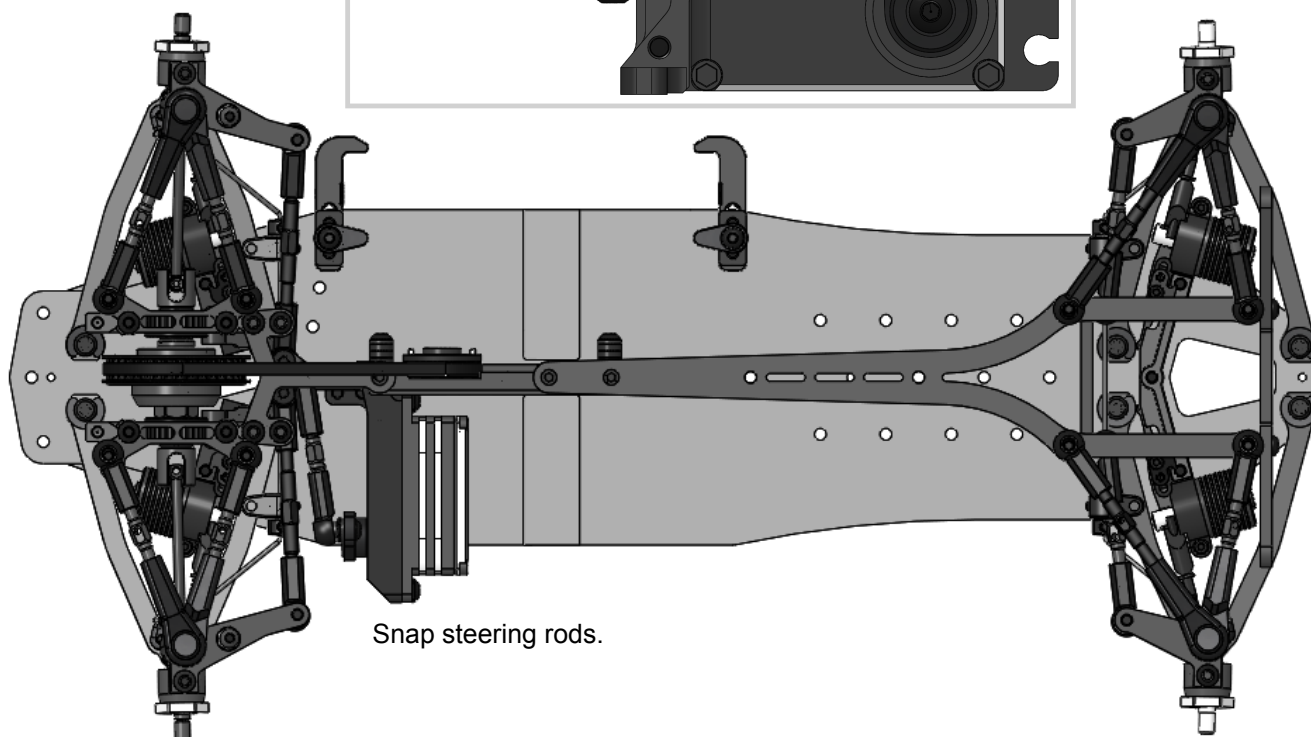
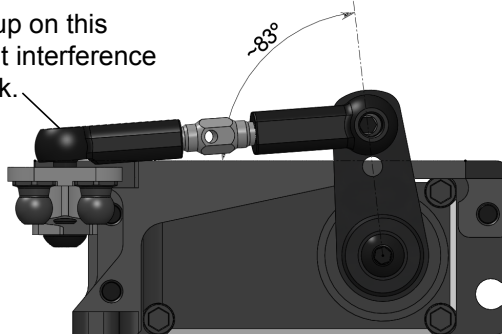


	SB3X6 M3x6 Button Head Screw	x5	AT21ST-A Pivot Ball	x3
	SF3X5 M3x5 Flat Head Screw	x5	AM24FX Servo Holder	x1
	SH0.5 6x3x0,5mm Spacer (Silver)	x4	AM180FX Bellcrank	x1
	SH3X5X0.1 3x5x0,1mm Shim	x1	ST24 4,8x6mm Ball Stud	x1

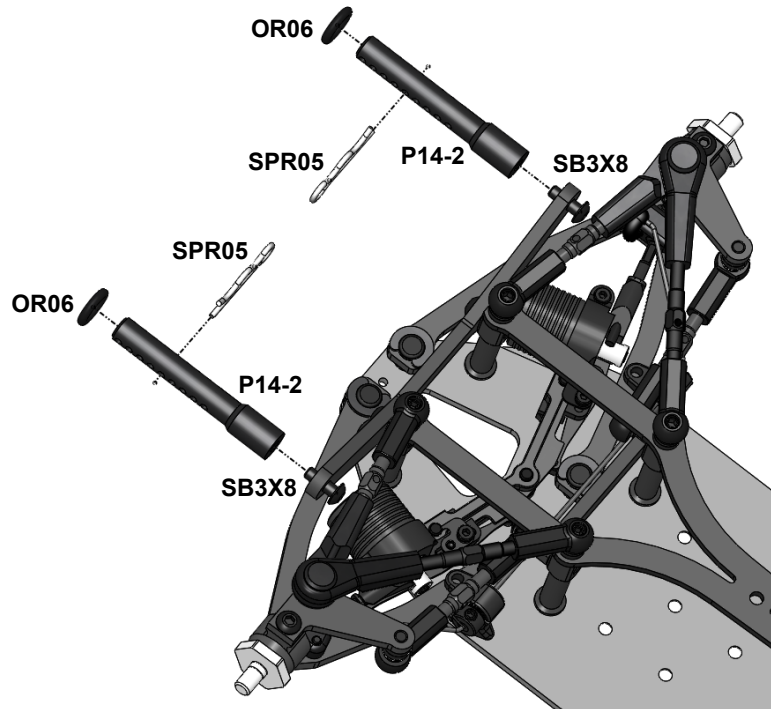
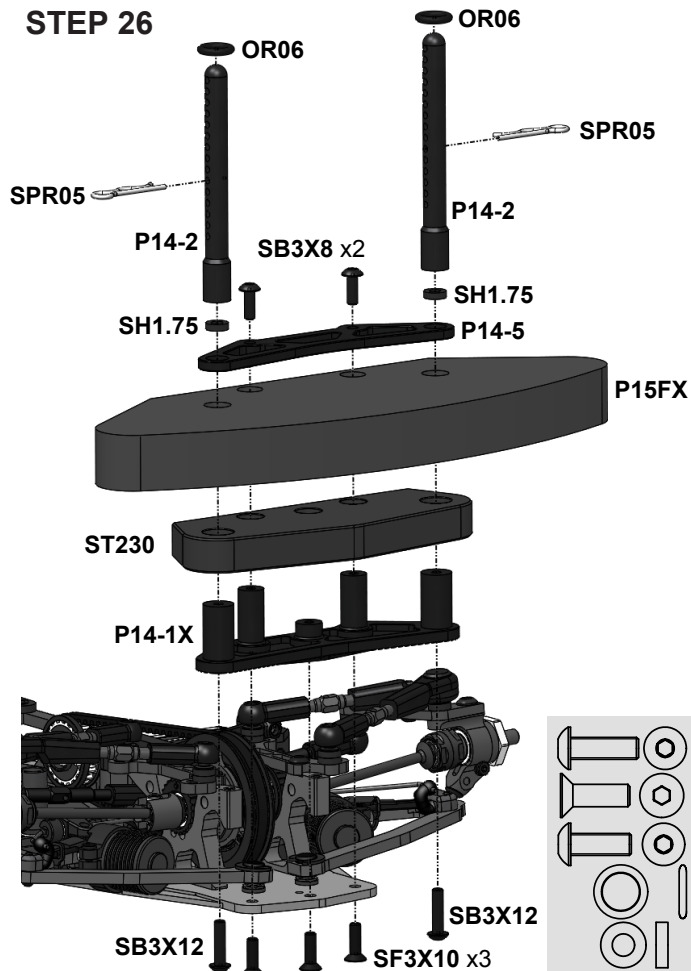
Attention!

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

Neutral servo arm position.

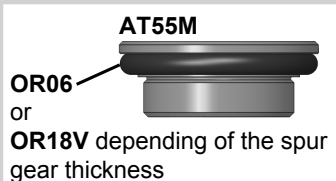
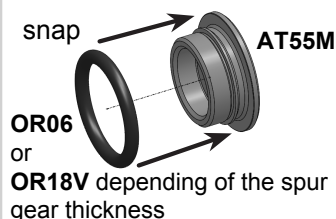
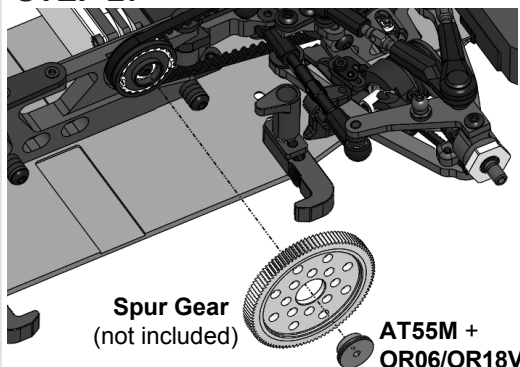


STEP 26

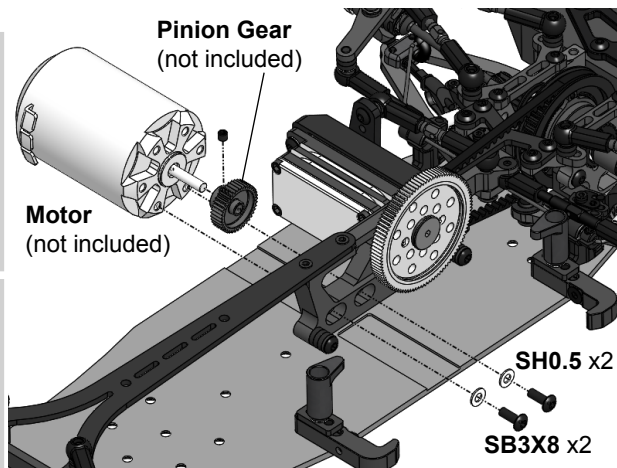


	SB3X12 M3x12 Button Head Screw	x2		P14-1X Lower Bumper	x1
	SF3X10 M3x10 Flat Head Screw	x3		P14-2 Body Post	x4
	SB3X8 M3x8 Button Head Screw	x4		P14-5 Upper Bumper	x1
	OR06 5mm O-Ring	x4		P15FX Foam Bumper	x1
	SH1.75 6x3x1.75mm Spacer (black)	x2		SPR05 Body Clip	x4
				ST230 Bumper Weight	x1

STEP 27



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

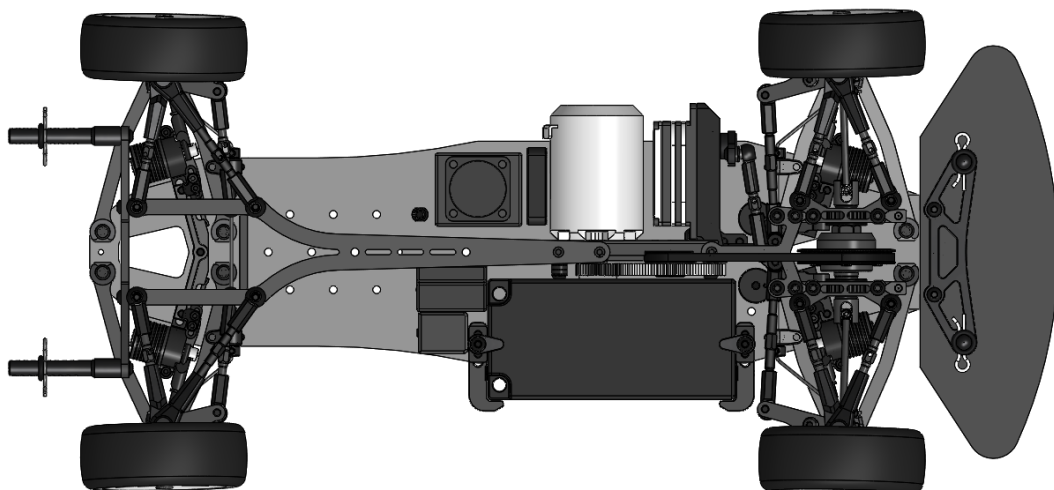


STEP 28

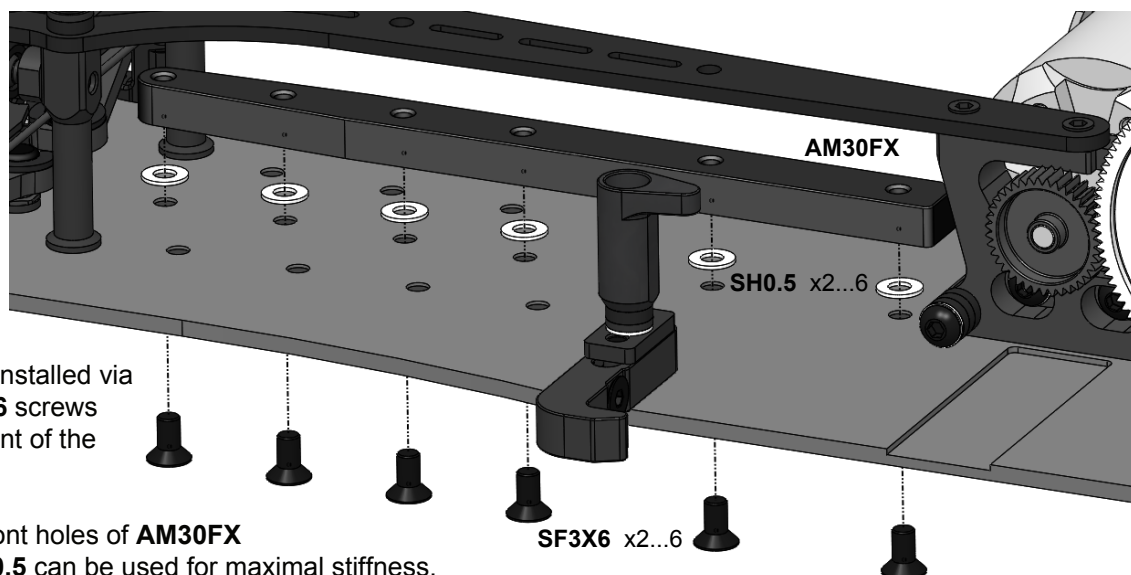
FINAL ASSEMBLY

Install:

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

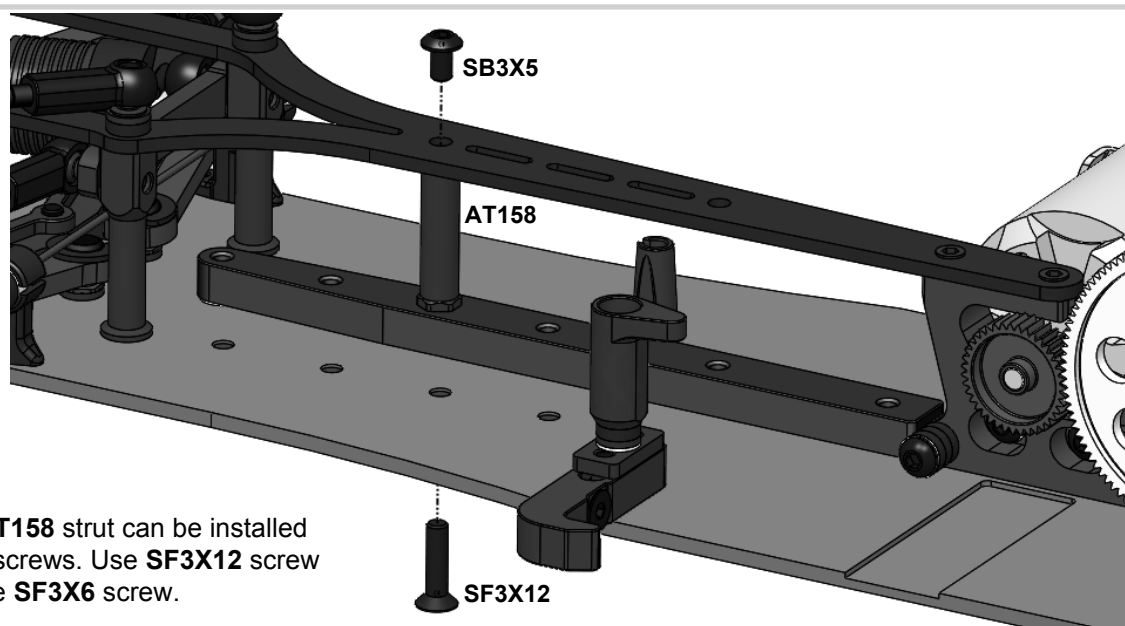


REAR STIFFENER AND ADDITIONAL FRONT FLEX OPTION

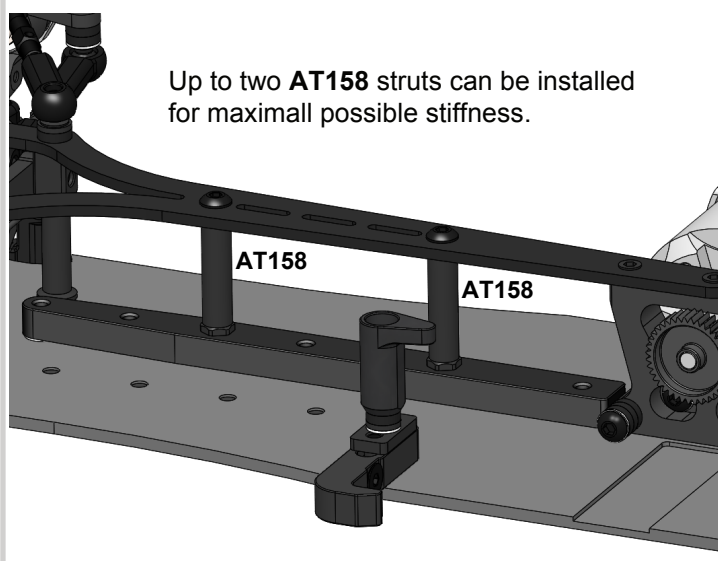


AM30FX stiffener can be installed via **SH0.5** spacers and **SF3X6** screws for reducing and adjustment of the car's rear end flex.

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

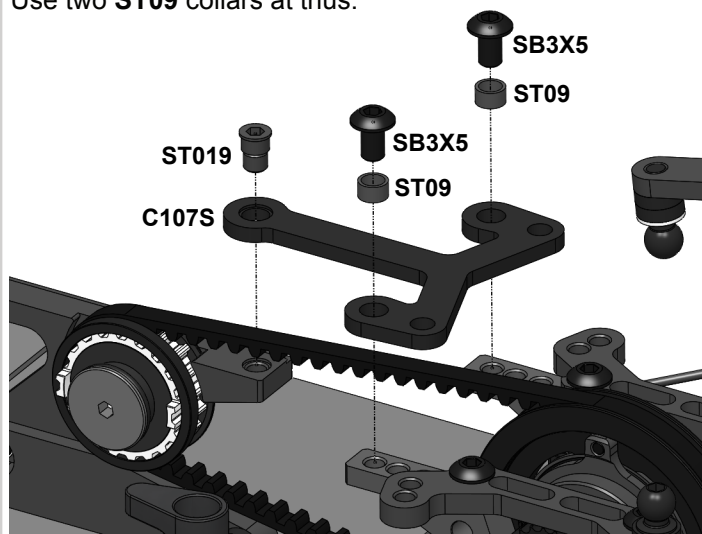


For even less rear flex **AT158** strut can be installed via **SF3X12** and **SB3X5** screws. Use **SF3X12** screw instead of the appropriate **SF3X6** screw.



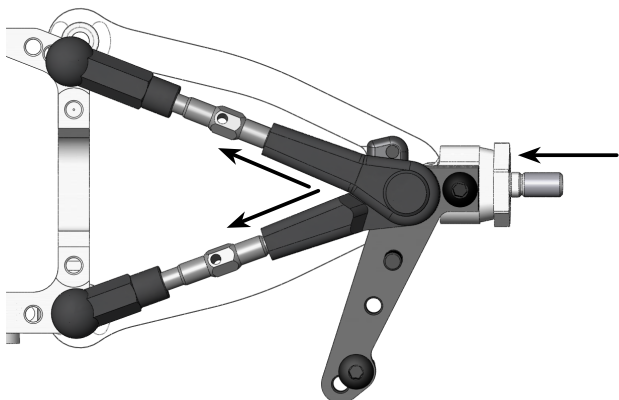
Up to two **AT158** struts can be installed for maximall possible stiffness.

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.



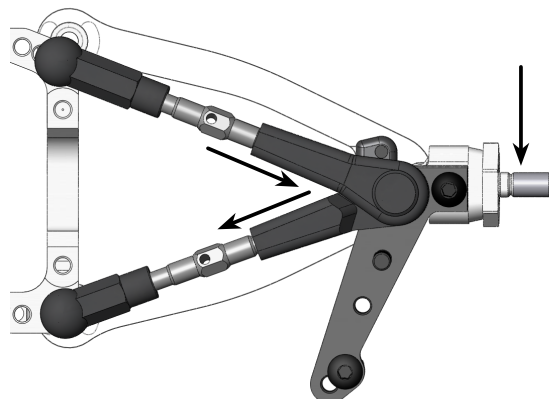
SUSPENSION SETTING TECHNIQUE

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.



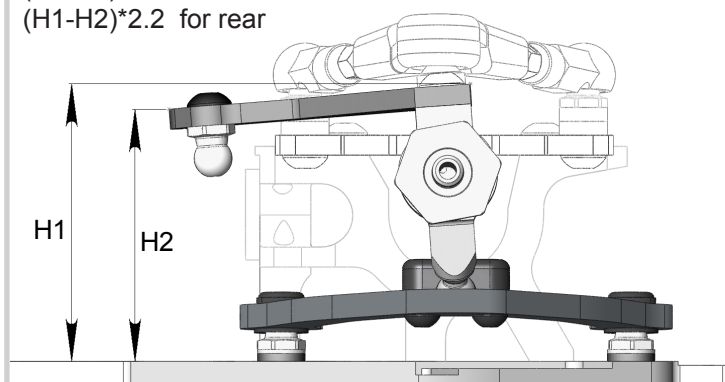
Attention! Install SH12X1.5 Spacers on the rear AT13FX Wheel Hexes at using of the set-up stations.

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.

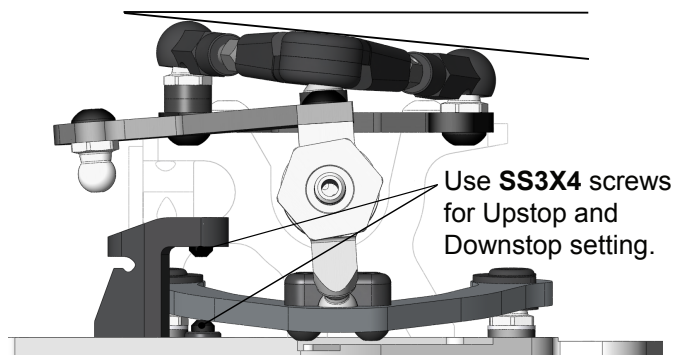


Caster measuring:

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

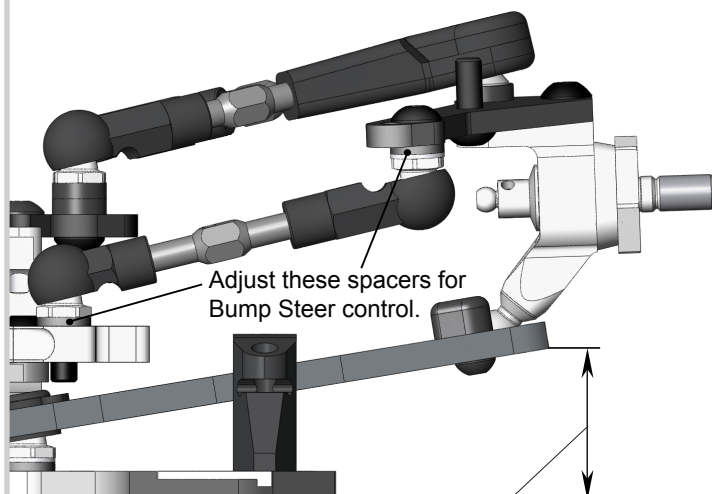


Reactive Caster setting is possible.



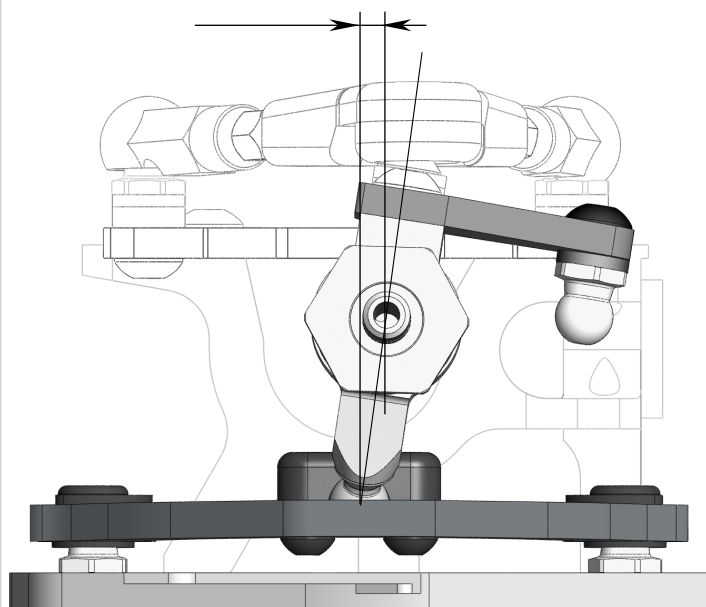
Roll Center adjustment:

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



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

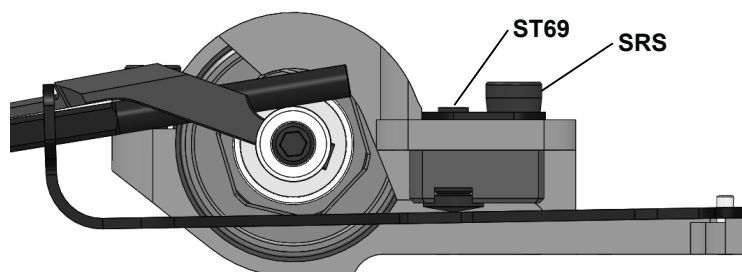
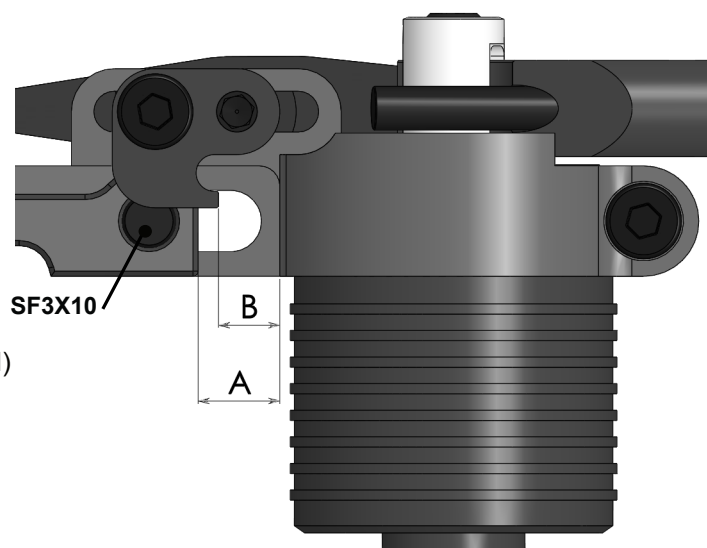
Turn IN (CW) **ST69-00** screw to increase the spring preload.

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

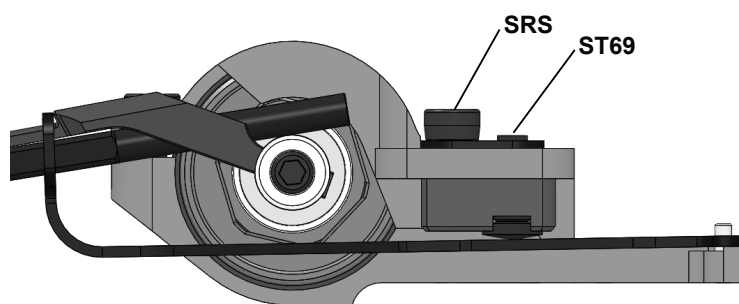
Use spring preload setting to adjust the ride height value.

3. SRS/ST69 screws arrangements change

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

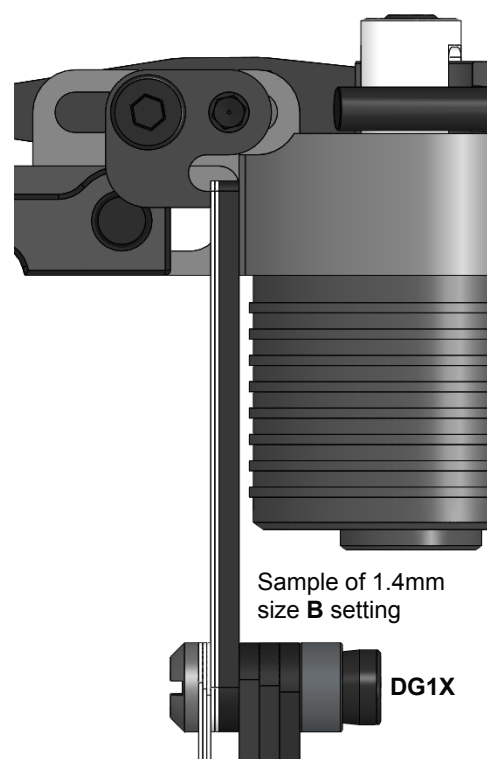
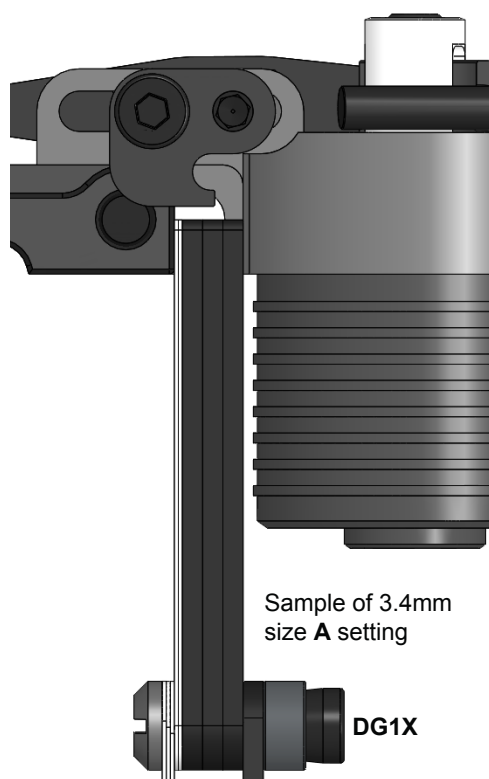
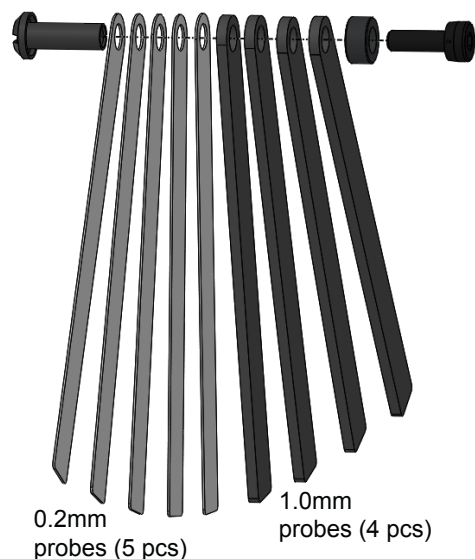


SRS/ST69 screws arrangement I



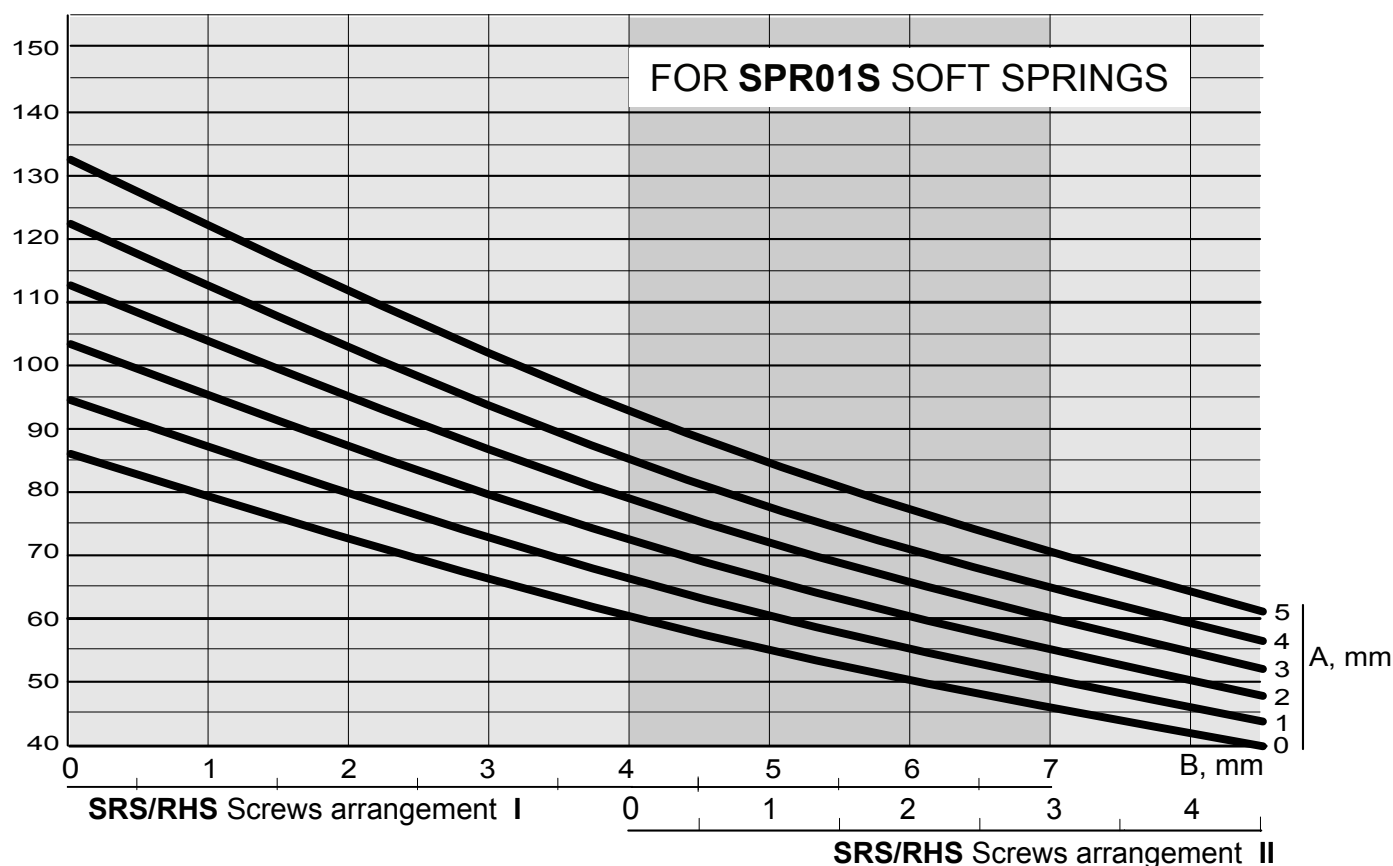
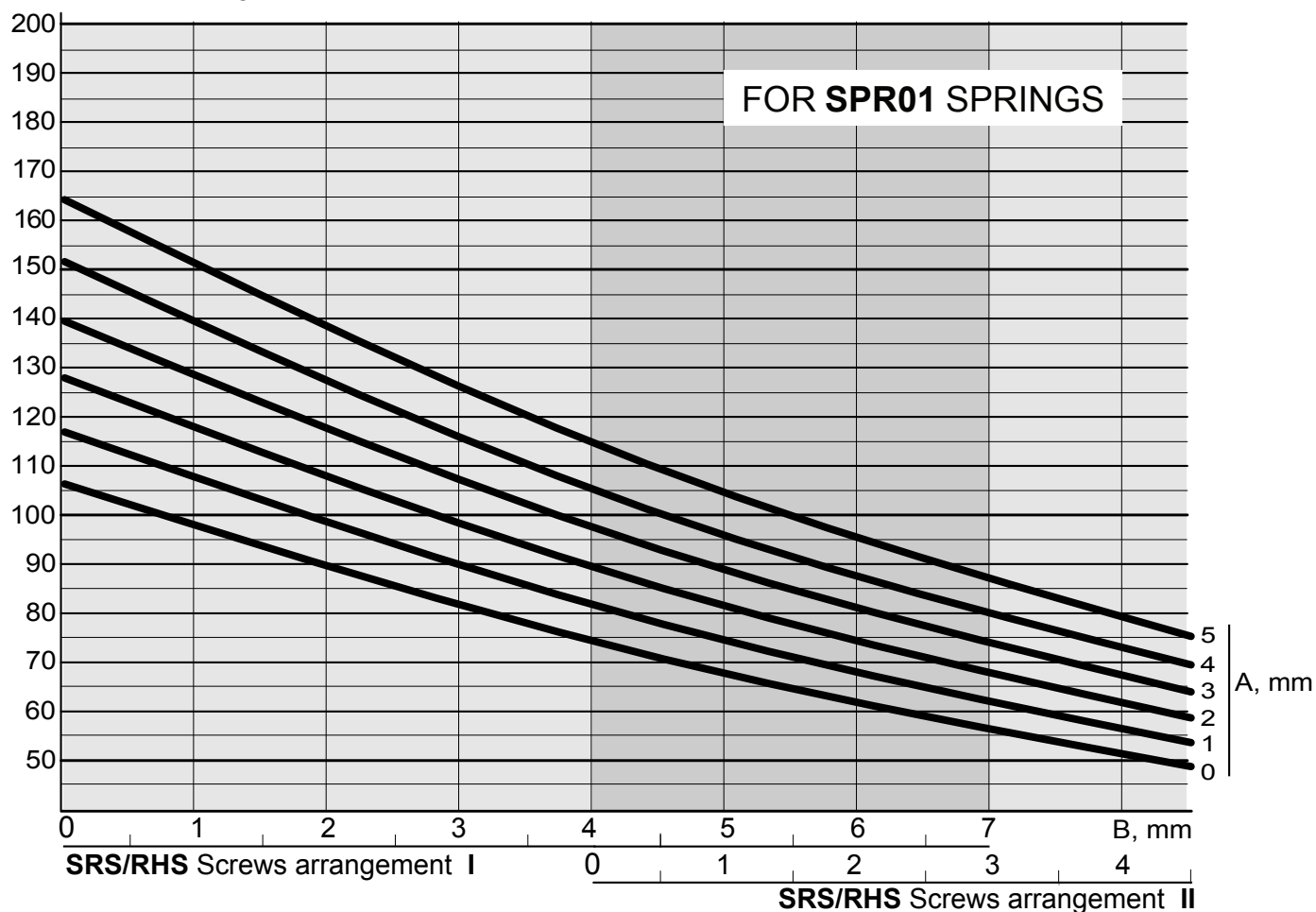
SRS/ST69 screws arrangement II

4. Using of DG1X Damper Gauge



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
40																	4,47	4,51	4,56	4,61	4,66	4,70	4,75	4,80	4,85	4,89	4,94
41																	4,31	4,36	4,40	4,45	4,495	4,54	4,59	4,63	4,68	4,73	4,77
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
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
44																											4,64
45																											4,68
46																											4,72
47																											4,76
48																											4,80
49																											4,84
50																											4,88
51																											4,92
52																											4,96
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99																											6,83
100																											6,87
101																											6,91
102																											6,95
103																											6,99
104																											7,03
105																											7,07
106																											7,11

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									

NAME _____

COUNTRY _____

RACE _____

TRACK _____

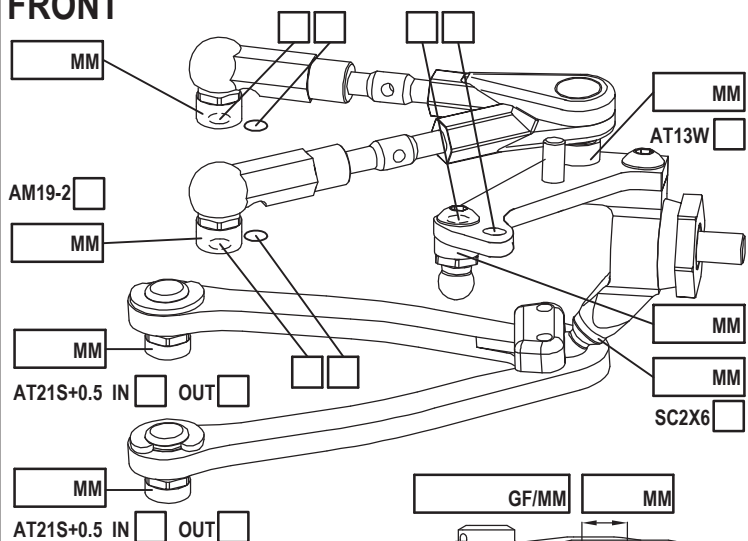
DATE _____ TEMP. °C AIR / TRACK _____ /

ASPHALT ☐ OUTDOOR ☐ INDOOR ☐ CARPET ☐

TRACK CONDITIONS TECHNICAL ☐ MIXED ☐ FAST ☐

TRACTION LOW ☐ MEDIUM ☐ HIGH ☐

FRONT



CAMBER ANGLE / °

CASTER ANGLE / °

TOE ANGLE / °

RIDE HEIGHT / MM

DOWNSTOP / MM

UPWNSSTOP / MM

STABILIZER Ø / MM

LOW ARM C04M1+9.0

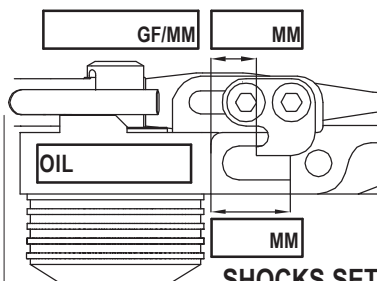
STEER. ARM AM14FX

WHEELHUB AM06WL

DRIVE SPOOL DIFF

DIFF. OIL

WHEEL SPACER / MM



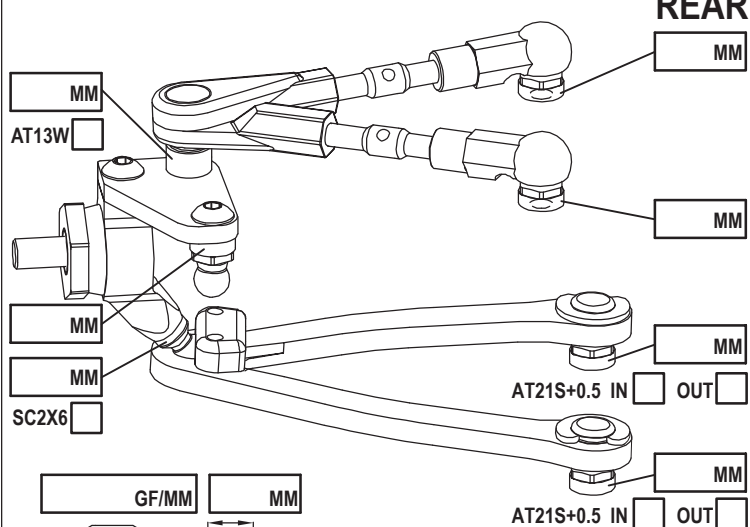
SHOCKS SET

ROTOR	STD	<input type="text"/>	<input type="text"/>
SPRING	STD	<input type="text"/>	S <input type="text"/>
DAMPER	D2.2	<input type="text"/>	<input type="text"/>
SRS/ST69 ARR.	I	<input type="text"/>	II <input type="text"/>
PSS SETUP	15%	<input type="text"/>	25% <input type="text"/>
		LOW <input type="text"/>	HIGH <input type="text"/>

DIFF WASHERS

STEERING SBFX LS

REAR



CAMBER ANGLE / °

CASTER ANGLE / °

TOE ANGLE / °

RIDE HEIGHT / MM

DOWNSTOP / MM

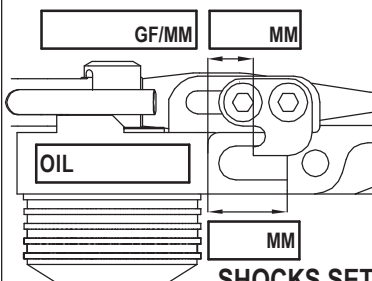
UPWNSSTOP / MM

STABILIZER Ø / MM

LOW ARM C04M1+8.0

STEER. ARM AM23-1

WHEELHUB AM06WL

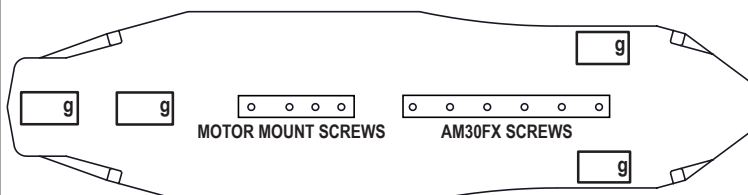


SHOCKS SET

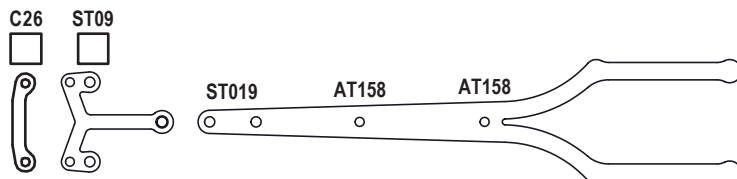
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SPRING	STD	<input type="text"/>	S <input type="text"/>
DAMPER	D2.2	<input type="text"/>	<input type="text"/>
SRS/ST69 ARR.	I	<input type="text"/>	II <input type="text"/>
PSS SETUP	15%	<input type="text"/>	25% <input type="text"/>
		LOW <input type="text"/>	HIGH <input type="text"/>

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

TIME

FR

RR

TOTAL WEIGHT

WEIGHT DISTRIBUTION

F

%

R

%

NOTES:

MOTOR LATERAL SHIFT / MM

ACKERMANN SHIMS / MM

MOTOR

SERVO

SPUR

PINION

RATIO

STEER TRAVEL IN

OUT

BODY

BATTERY

WING

RECEIVER

ESC

RADIO

ESC SETTING

BEST LAPTIME

QUALIF./FINAL POSITION

/

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

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
AM24FX	Central Servo Holder
AM30FX	Rear Stiffener
AM77FX	Motor Mount FWD
AM78FX	Bulkhead
AM88R	Shock Holder R
AM88L	Shock Holder L
AM180FX	Bellcrank
AT13	Wheel Hex
AT13FX	Rear Wheel Hex FWD
AT14	Turnbuckle
AT21ST-A	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
AT119	Spring Screw Holder
AT120-FX	20T Alloy Pulley FWD
AT123B	GD2B Case1
AT124B	GD2B Case2
AT142	Sway Bar Stopper
AT157	Rear Upright FX
AT158	Strut FX
ST01	Front Axle
ST03	Ball Stud
ST05L	Shock Rod
ST69-00	Linear Spring Screw
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
ST105	Round Weight 5g
ST110	Round Weight 10g
ST230	Bumper Weight FX 130g
G07	GD2 Satellite Gear
G08	GD2 Bevel Gear
D2.2-S-P	Damper
P01	Ball Joint-1
P02	Ball Joint-2
P03	Arm Ball Cap
P04	Arm Hasp
P05	Sway Bar Joint
P07	Arm Clip
P12X	Sway Bar Holder
P13-4	Ball End
P14X	Bumper Set
P15FX	Foam Bumper FWD
P16	Lock Ring
P23	Outer Battery Holder
P25	Battery Clamp

Parts#	Description
P39	GD2 Cross Pin
P45R	Damper Piston
P46R	Diff Piston
P49	Steering Rack FWD
P56	Antenna Holder
P110	Bearing Housing
P138A	38T Pulley
C01FXCL	Carbon Lower Deck
C01FXA	Alloy Lower Deck
C04M1+8.0	Suspension Arm
C04M1+9.0	Suspension Arm
C27FX-2	Rear Top Deck
C34	Rear Strut FX
C105A	Rear Adjustable Body Holder FX
C107S	Front Top Soft Deck FX
SWB10	Sway Bar 1,0mm
SWB11	Sway Bar 1,1mm
SWB12	Sway Bar 1,2mm
SPR01	Shock Spring
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
SH3X5X0.1	3x5x0,1mm Shim
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
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
SF3X12	M3x12 Flat Head Screw
BEL225B	Belt 225 mm Bando
DG1X	Damper Gauge Set
STS-A800FX	A800FX Evo Stickers Sheet

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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