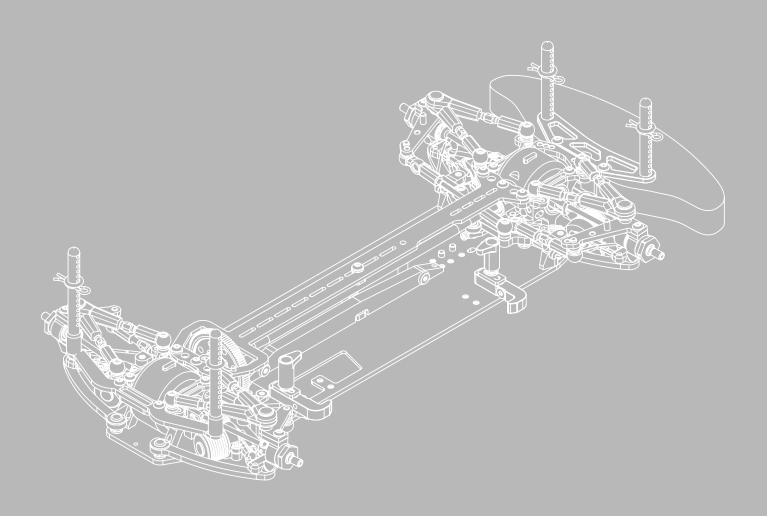


1/10-SCALE TOURING CAR



INSTRUCTION MANUAL



INTRODUCTION

Congratulations on purchasing your Awesomatix car!

The A700L2 car was designed in Russia and produced by Awesomatix Innovations LLP registered in UK.

The A700L2 car utilises many unique features, including some patented innovations.

BEFORE YOU START

The A700L2 car is the high-quality, innovative 1/10-scale touring car and should be built only by persons with previous experience building R/C model racing cars. This is not a toy and is not intended for use by children without direct supervision of a responsible, knowledgeable adult. Read the instruction manual carefully and fully understand it before beginning assembly. If you have any problems or questions please do not hesitate to contact the Awesomatix team at support@awesomatix.com. If, for any reason, you decide that you do not want your A700L2 car you must not begin assembly. Your A700L2 car cannot be returned to Awesomatix Innovations LLP for a refund or exchange if it has been fully or partially assembled.

This kit is a radio controlled model racing product and could cause harm and personal injury.

The A700L2 car is designed for use on r/c car race tracks. It should not be used in general public areas.

Awesomatix Innovations LLP accept no responsibility for any injuries caused by making or using this kit.

Due to policy of continuous product development the exact specifications of the kit may vary.

Awesomatix Innovations LLP do reserve all rights to change any specifications without prior notice. All rights reserved.

ASSEMBLY NOTES

Before starting each build-stage check that you have the right quantity and size of items for the build-stage. To assist you with the assembly of your A700L2 car we have included full-size images of all the small hardware parts laid out so that you can place items on top of the images to check they are the correct size/length. You can find the useful tips and pictures of A700L2 assembling on the Internet sites: www.awesomatix.info/en/tipps-tricks/aufbau/, www.awesomatixusa.com/p/tips.html, http://jdandracing.blogspot.gr.

GENERAL PRECAUTIONS

- Many of the items in this kit are small enough to be accidentally swallowed and are therefore potential choking hazards, making them potentially fatal. Please ensure that when assembling the kit you do so out of the reach of small/young children.
- · Take care when building, as some parts may have sharp edges.
- Please read this manual carefully to understand which ancillary items (tools, electrics, electronics etc) are used with this kit.
 Awesomatix Innovations LLP accept no responsibility for the operation of any such ancillary items.
- · Exercise care when using tools and sharp instruments.
- Follow the operating instructions for the radio equipment at all times.
- Never touch rotating parts of the car as this may cause injury.
- Keep the wheels of the model off the ground when checking the operation of the radio equipment.
- To prevent any serious personal injury and/or damage to property, be responsible when operating all remote controlled models.
- The model car is not intended for use on roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
 Do not run your car in poor light or if it goes out of sight. Any impairment to your vision may result in damage to your car or, worse, injury to others
- or their property.

 As a radio controlled device, your car is subject to radio interference from things beyond your control. Any such interference may cause a loss of control of your car so please consider this possibility at all times.
- When not using RC model, always disconnect and remove battery.
- Insulate any exposed electrical wiring to prevent dangerous short circuits.

Take maximum care in wiring, connecting and insulating cables. Make sure cables are always connected securely.

Check connectors for if they become loose and if so reconnect them securely. Never use R/C models with damaged wires.

A damaged wire is extremely dangerous and can cause short-circuits resulting in fire.

EQUIPMENT RECOMMENDED (NOT INCLUDED)

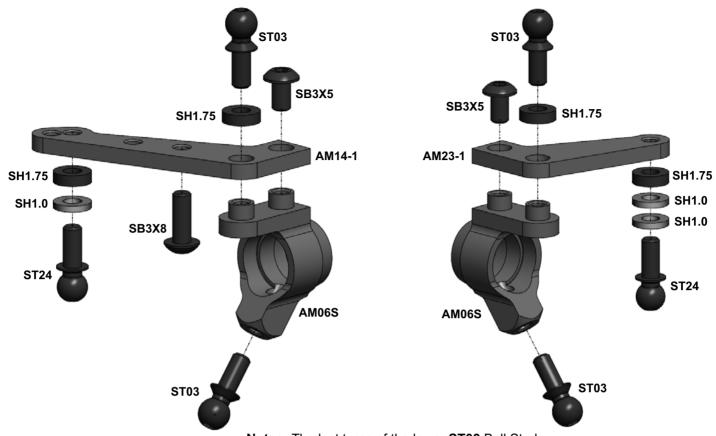
- · Radio Transmitter
- · Radio Receiver
- · Electronic Speed Control
- · Steering Servo
- Electric Motor
- Pinion Gear (64 or 48 Pitch)
- Spur Gear (64 or 48 Pitch)
- 7.4 V Li-Po Battery
- 190mm Body Shell
- M4mm Wheel Nuts
- · Touring Car Wheels, Tires, Inserts

TOOLS RECOMMENDED (NOT INCLUDED)

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



STEP 1

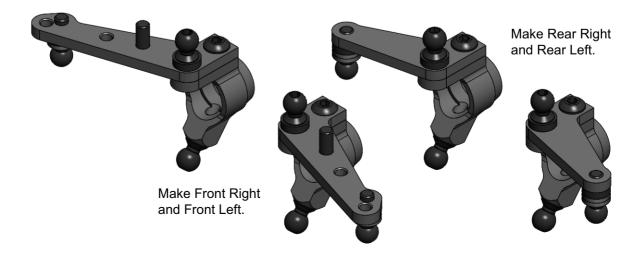


Notes: The last turns of the lower **ST03** Ball Studs and SB3X5 screws are tight. Screw them with force.

SB3X5 M3x5 Button Head Screw	x4	ST03 Ball Stud	x8
SB3X8 M3x8 Button Head Screw	x2	AM06S Steering Block	x4
		AM14-1 Steering Arm	x2
SH1.0 6x3x1mm Spacer (Gray)	x6	AM23-1 Rear Steering Arm	x2
SH1.75 6x3x1.75mm Spacer (Black)	x8	ST24 4,8mm Ball Stud	x4

STEP 1 FINISHED

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

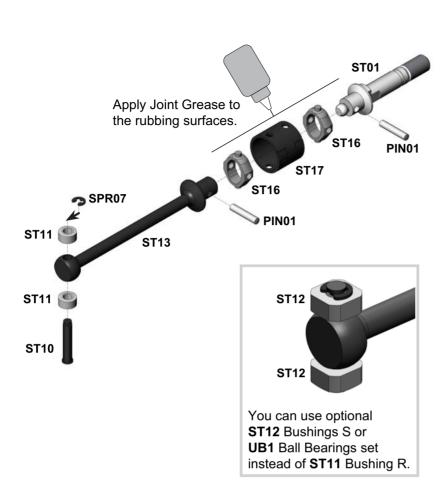


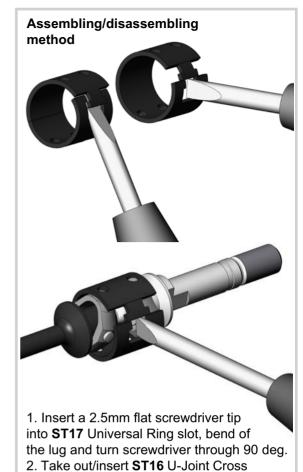




STEP 2

FINISHED

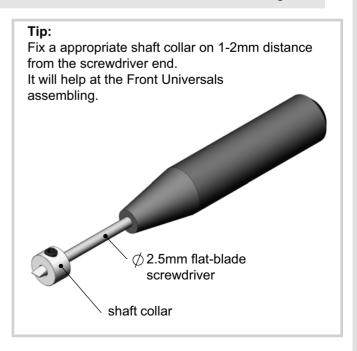




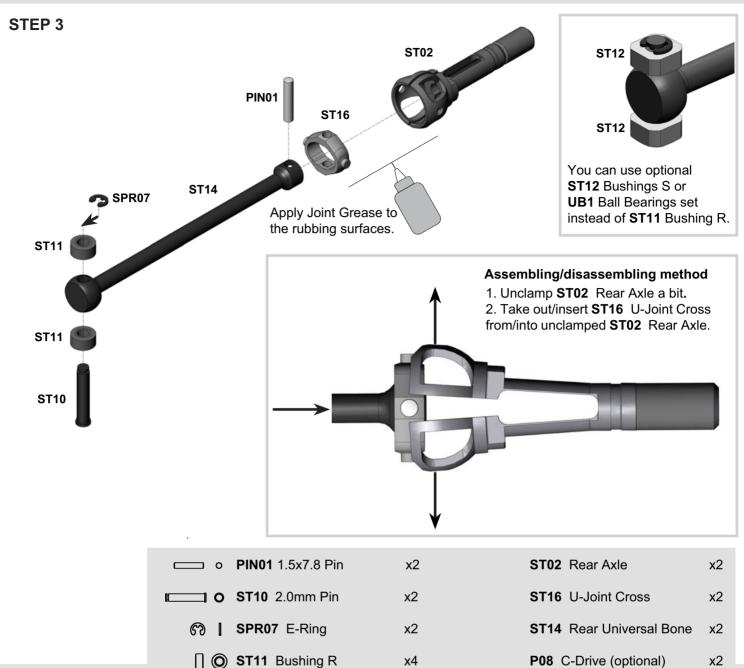
from/into unclamped ST17 Universal Ring.

PIN01 1.5x7.8 Pin x4 ST01 Front Axle x2 **ST10** 2.0mm Pin x2 ST16 U-Joint Cross х4 SPR07 E-Ring x2 ST17 Universal Ring x2 ☐ **⑥ ST11** Bushing R ST13 Front Universal Bone x2 х4 P20 Front Universals Ring x2



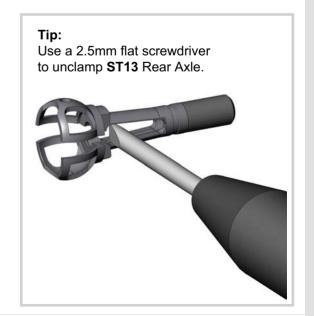






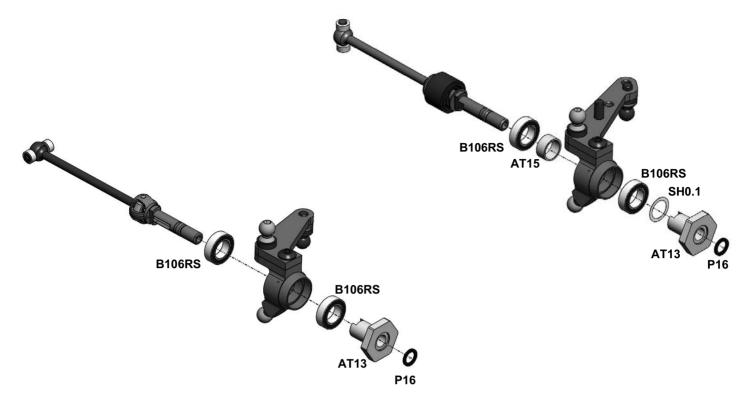














B106RS MR106RS Bearing x8

AT15 Bearing Spacer x2

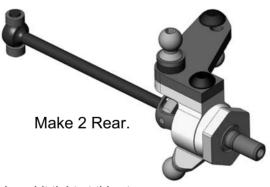
SH0.1 6x8x0.1mm Shim x2

х4

AT13 Wheel Hex x4

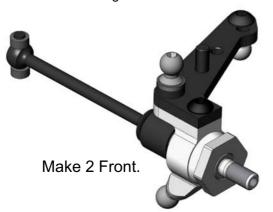
P16 Lock Ring

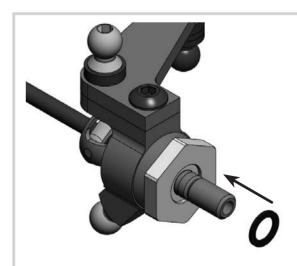
STEP 4 FINISHED



Note:

Rear Universals may be a bit tight at this stage. But don't worry as the Rear Universals take its true position only after the wheels mounting.



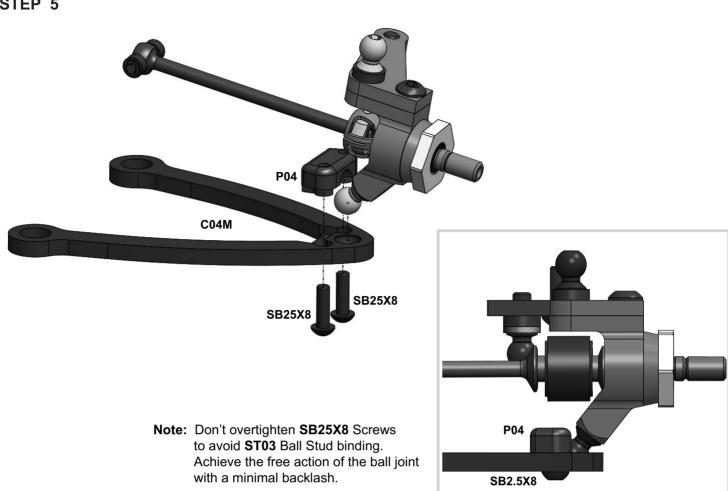


Note: Press **P16** Lock Ring on the Axle to fix it. It will demand the appreciable efforts for the first time.

For disassembly hit to the end face of the Axle or press down on it.







(SB25X8 M2.5x8 Button Head Screw x8

C04M Suspension Arm x4

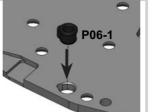
P04 Arm Hasp х4

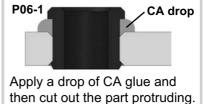
STEP 5 **FINISHED** Make Front Right and Front Left. Make Rear Right and Rear Left.

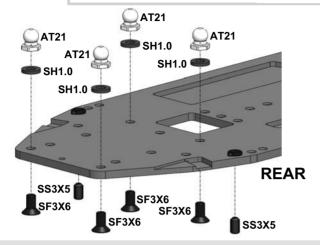


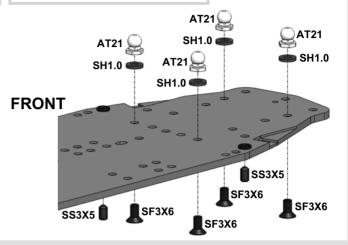


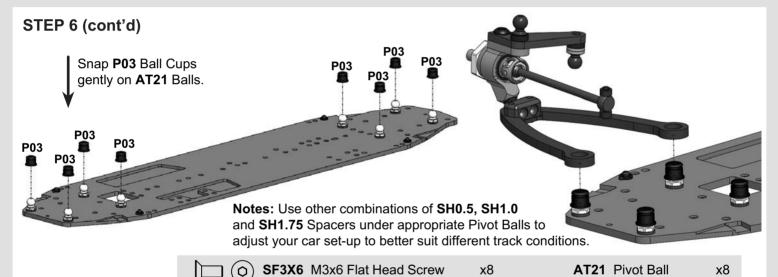
Press P06-1 into the chassis, push them upwards and leave the least possible material sticking out the underside.





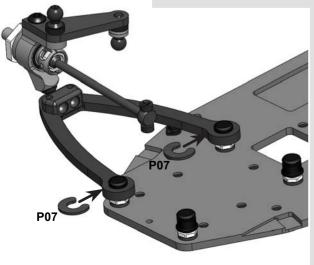






SS3X5 M3x5 Set Screw

STEP 6 (cont'd)



SH1.0 6x3x1mm Spacer (Gray) x8

P03 Arm Ball Cap x8

P07 Arm Clip x8

STEP 6
FINISHED

Mount all 4 Arms.

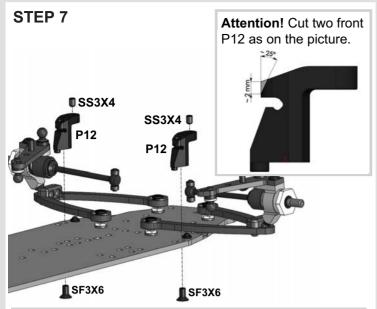
P06-1 Downstop Collar x4

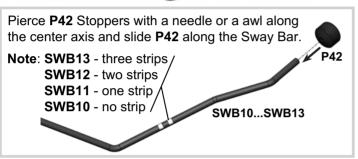
Make sure that all Suspension Arms

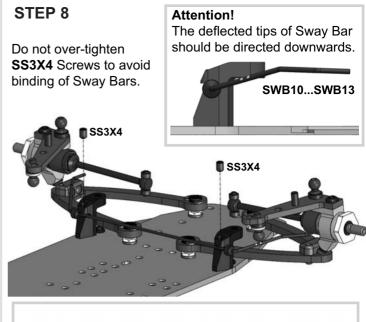
swing freely.

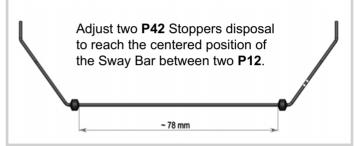
x4

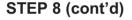








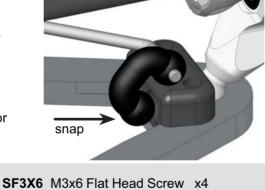






Use bigger hole for **SB12** and **SB13** Sway Bars.

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



SS3X4 M3x4 Set Screw

P12 Sway Bar Holder

P05 Sway Bar Joint x4

x4

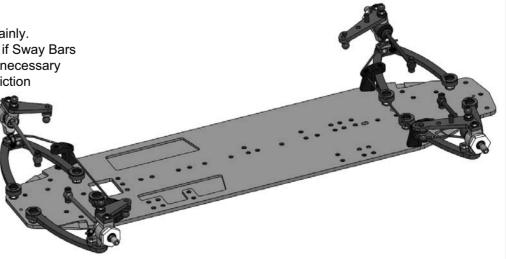
SWB10....SWB13 Sway Bar x2



STEPS 7 and 8 **FINISHED**

Attention! Mount all 4 P12 Sway Bar Holders certainly. They are obligatory for installation even if Sway Bars aren't used. P12 Sway Bar Holders are necessary for suspension arms upward travel restriction

and setting Upstop parameters.



8x



Rebuildable Damper Set

Note: Every **A700 Evo II** and **A700 Evo IIC** kit includes four factory assembled and oil filled **D2.1** Rebuildable Dampers. **D2.1** damper allows for both dampening adjustment via thicker silicon oil, and consistent performance since the racer can rebuild the shock.

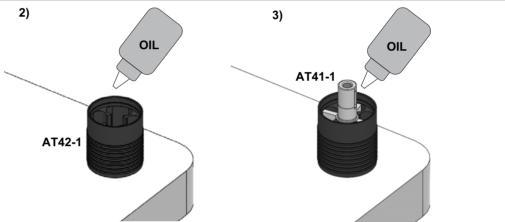
The factory assembled and oil filled **D2.1** Rebuildable Dampers come with 500 cst pure silicone oil inside.

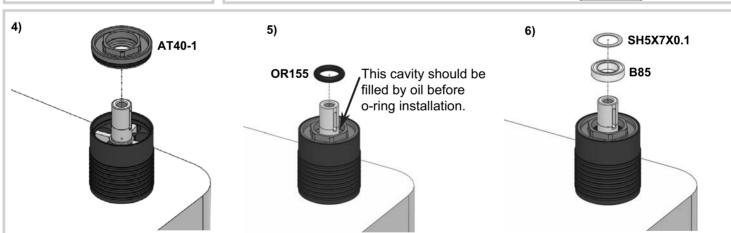
The build instructions for **D2.1** Rebuildable Dampers is on this page.

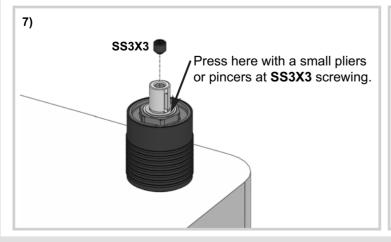
For disassembling please do all steps in the reverse order.

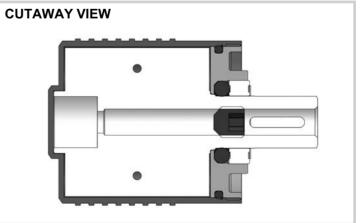
- 1) Stretch and place OR18 O-ring in the groove of the AT40-1 Cup.
- 2) Stand AT42-1 Case up and fill ~1/2 of volume with the desirable silicone oil. Insert AT41-1 Vane into AT42-1 Case slowly full way down.
- 3) Add more silicone oil. Oil should cover the **AT41-1** Vane completely. It is highly recommend that damper be placed into a vacuum pump to remove air. Otherwise let the damper sit for 30m+ to allow air bubbles to escape.
- 4) 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 **AT41-1** Vane. Please don't remove this oil from the bearing cavity of **AT40-1** Cup on this stage!
- 5) Place OR155 O-ring into AT40-1 Cup. You can use a piece of an appropriate tube to press o-ring slowly and fully into cavity.
- 6) Place B85 bearing and one SH5X7X0.1 shim onto AT41-1 Vane output shaft.
- 7) Screw **SS3X3** Set Screw into **AT41-1** Vane with a 1.5mm hex driver full way down. Don't tighten this set screw too much! Press on and hold **SH5X7X0.1** shim and **B85** bearing against an upward shift at **SS3X3** screwing.
- 8) Clean up oil off the outer surface of damper.



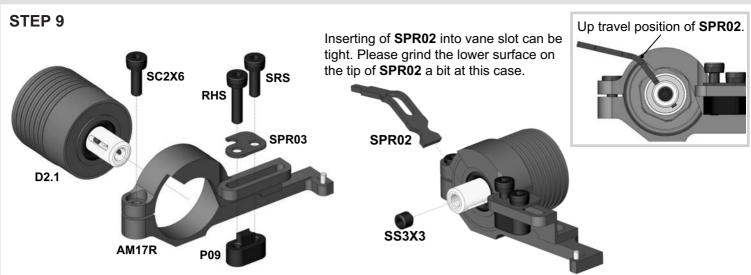




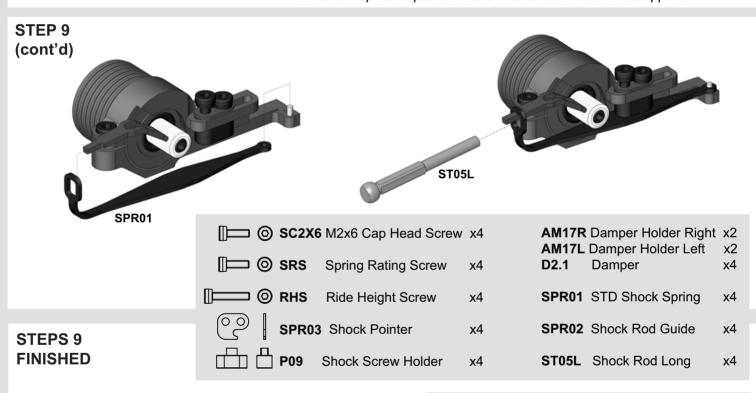






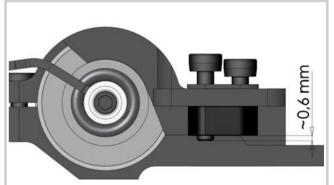


Attention! The damper's output shaft can't rotate more than 40 degrees. After installation of **SPR02** rotate the complete damper within **AM17** until the maximum up travel is reached and secure **SC2x6** screw in the **AM17** after that. At the max up travel position the **SPR02** should touch the stopper on **AM17** !!!



Assemble 2 Right Shocks and 2 Left Shocks.



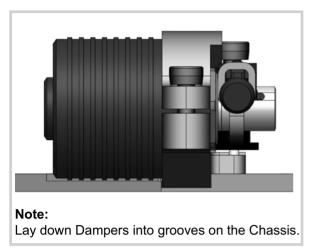


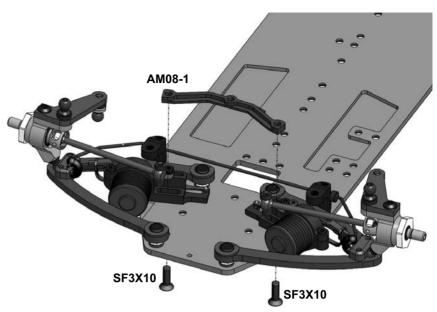
Note:

Initial position of **RHS** Ride Height Screw is ~0,6mm. Don't tighten **SRS** Spring Rating Screw too much to avoid P09 thread damage.



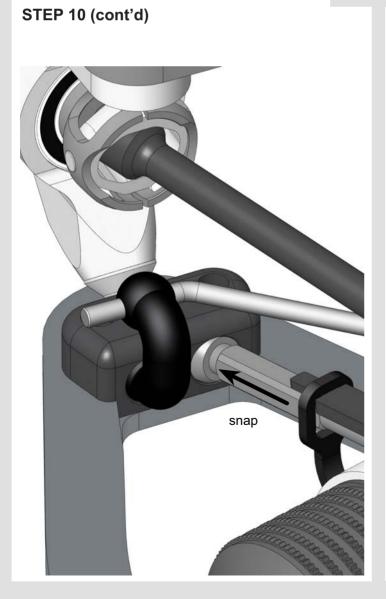
STEP 10

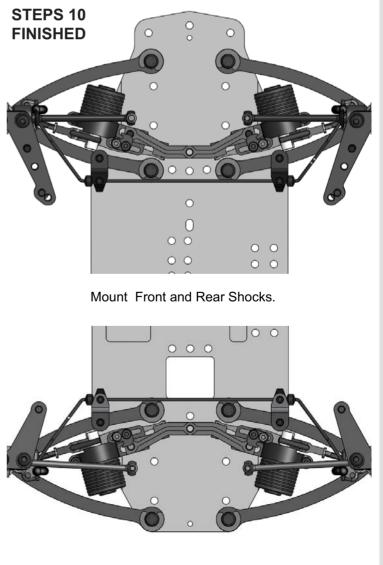




SF3X10 M3x10 Flat Head Screw x4

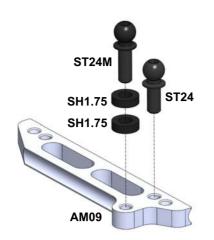
AM08-1 Shocks Holder x2







STEP 11



Note:

Please pay your attention on the correct amount of the spacers under **ST24M** Ball Stud!

O | SH1.75 6x3x1.75mm Spacer (Black) x2

SH3X5X0.1 3x5x0.1mm Shim x1

ST24 Ball Stud 6mm x2 ST24M Ball Stud 8mm x1 AM09 Steering Rod x1 AM10-2 Steering Plate x1

STEP 12

SB3X6

Attention!
Adjust B84RS bearing position to achieve free AM09 Rod sliding at minimal clearance.

SB3X6 M3x6 Button Head Screw x3

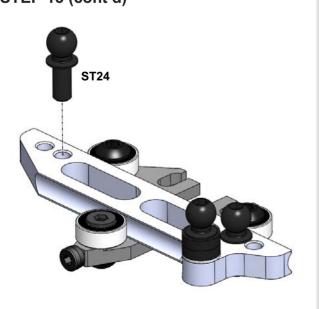
B84RS MR84RS Bearing

ST08 Steering Nut

SC2X4 M2x4 Cap Head Screw x1

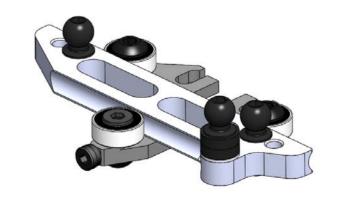
x1

STEP 13 (cont'd)

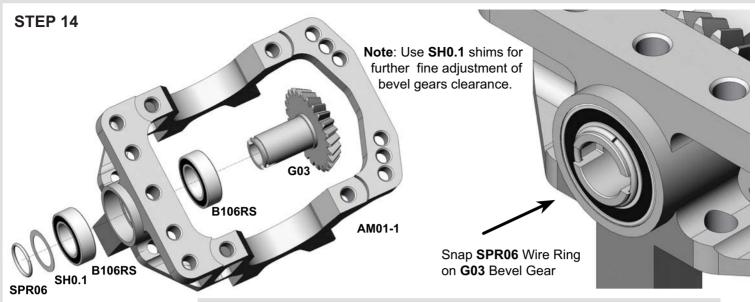


STEP 13 FINISHED

х3







B106RS MR106RS Bearing x2

AM01-1 Gear Box x1

SH0.5 6x3x0.5mm Spacer (Silver) x2

G03 25T Bevel Gear x1

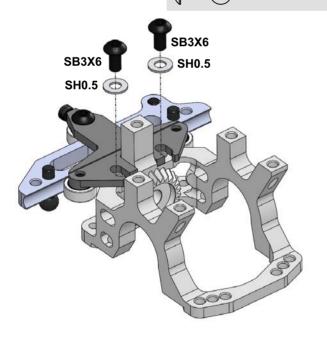
SH0.1 6x8x0.1mm Shim x1

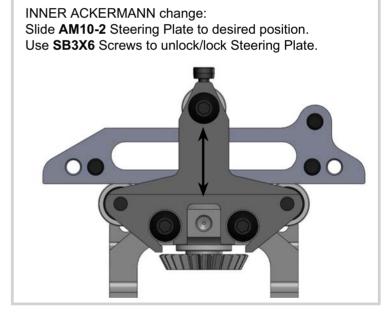
SPR06 Wire Ring x1

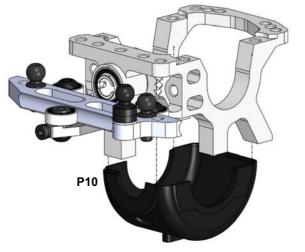
O SB3X6 M3x6 Button Head Screw x2

P10 Diff Cover x1

STEP 15





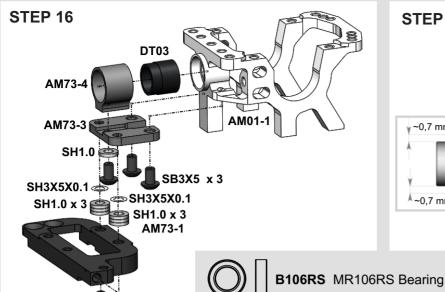






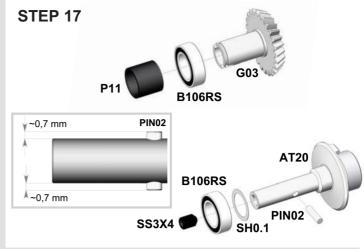
x1

FRONT



SS3X8

SB3X10



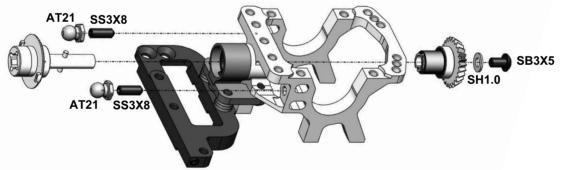
AM01-1 Gear Box

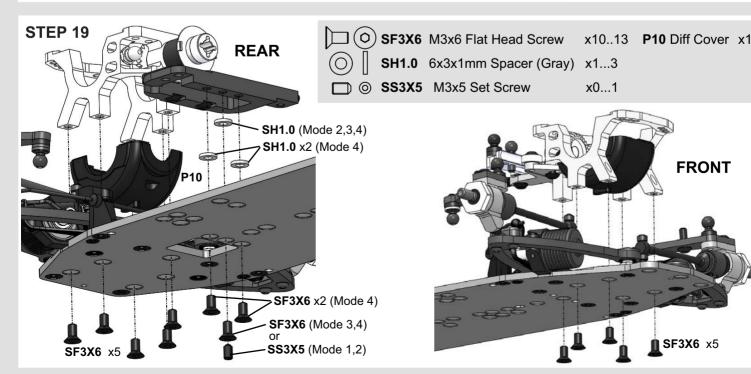


SB3X10

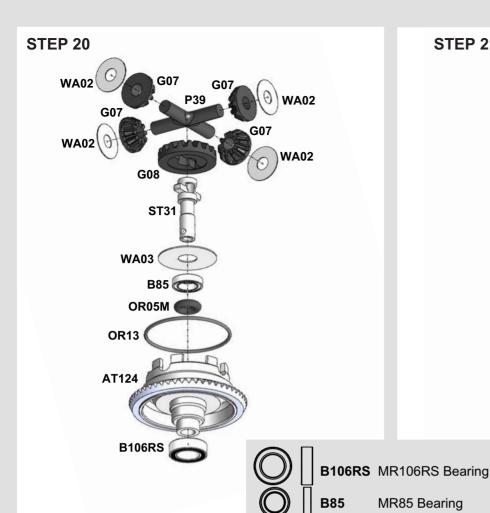


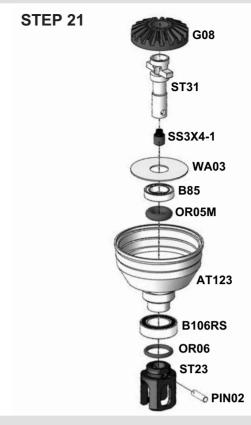
x1





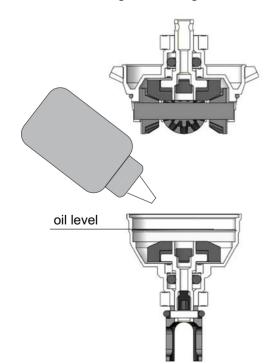


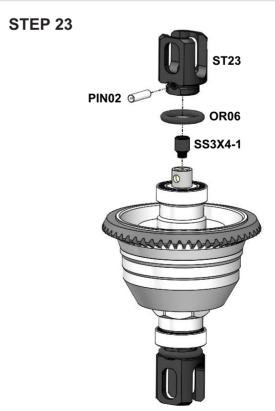




AT123 GD2 Case1 x2 x1 AT124 GD2 Case2 **x**1 ST23 GD Outdrive x2 x2 ST31 GD2 Output Axle x2 P39 **GD2 Cross Pin** x2 **x**1 OR13 13 mm O-Ring **x**1 **G07 GD2 Satellite Gear** x2 х4 **G08 GD2** Bevel Gear x2 WA02 3.5x9.5x0.2 Washer х4 WA03 5x15.5x0.3 Washer x2 x2

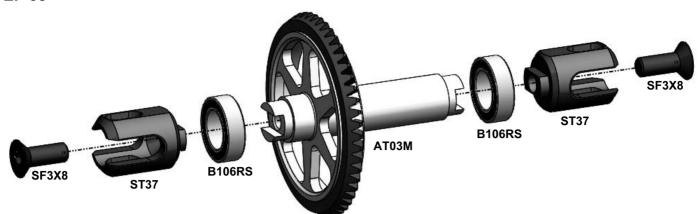
Fill with desirable silicone oil (not included). Screw AT123 GD Case with 10mm wrench slowly. The excessive oil will go out through the ST31 axial hole.











B106RS MR106RS Bearing

x2

AT03M Spool Axle

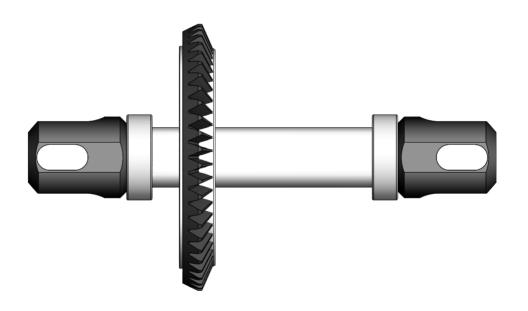
x1

x2

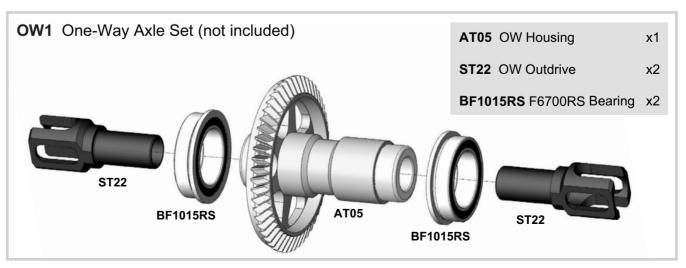
SF3X8 M3x8 Flat Head Screw x2

ST37 Spool Outdrive

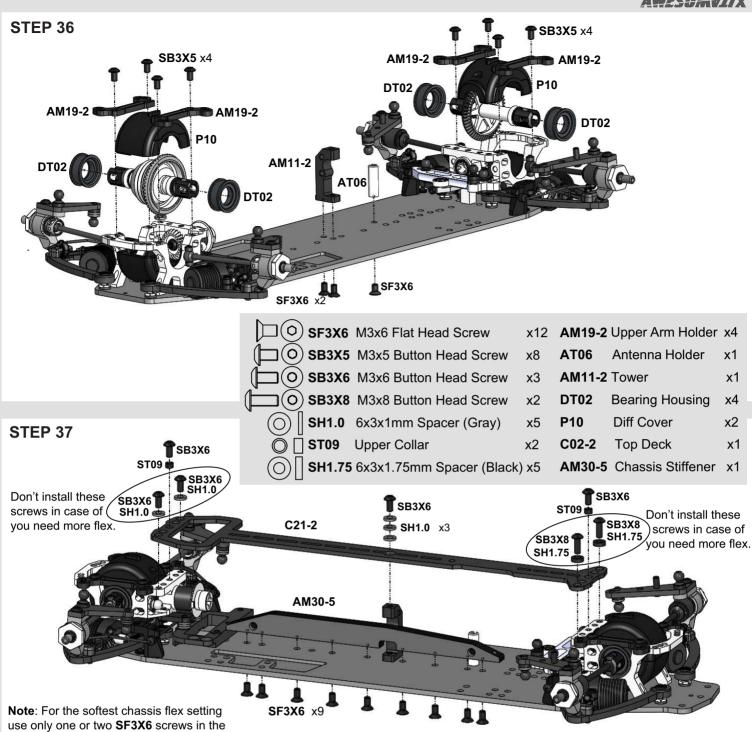
STEP 35 FINISHED

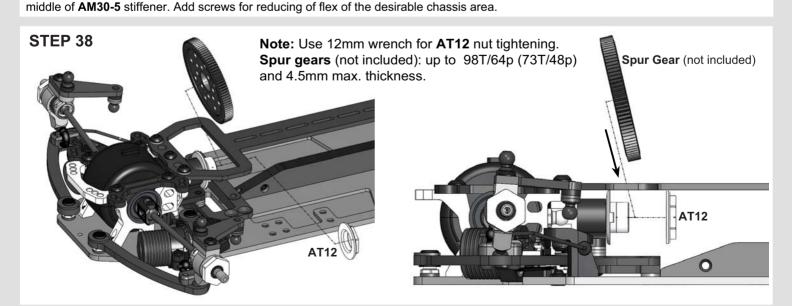


Front One-Way unit (optional)



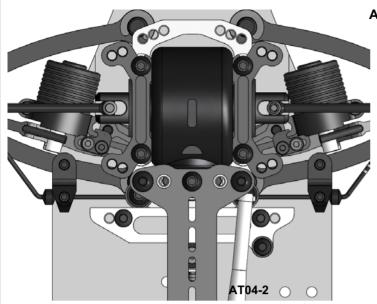


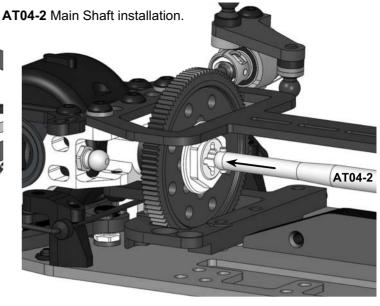




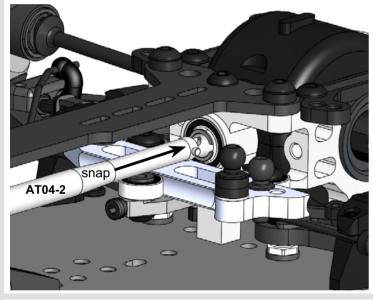


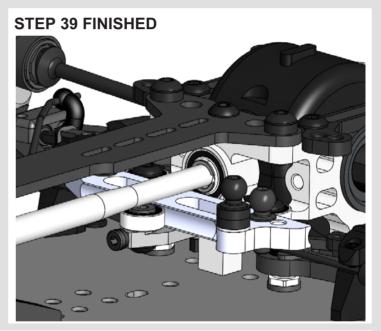
STEP 39

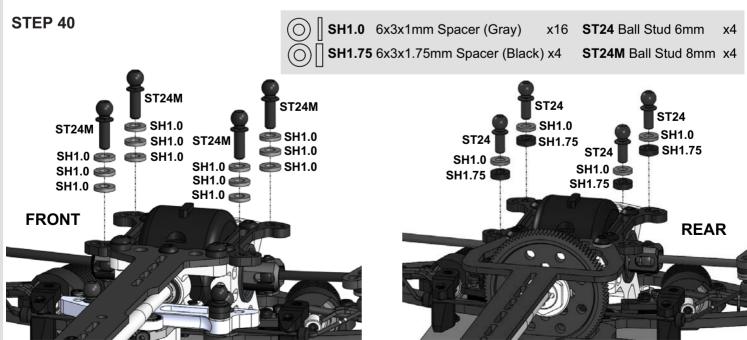




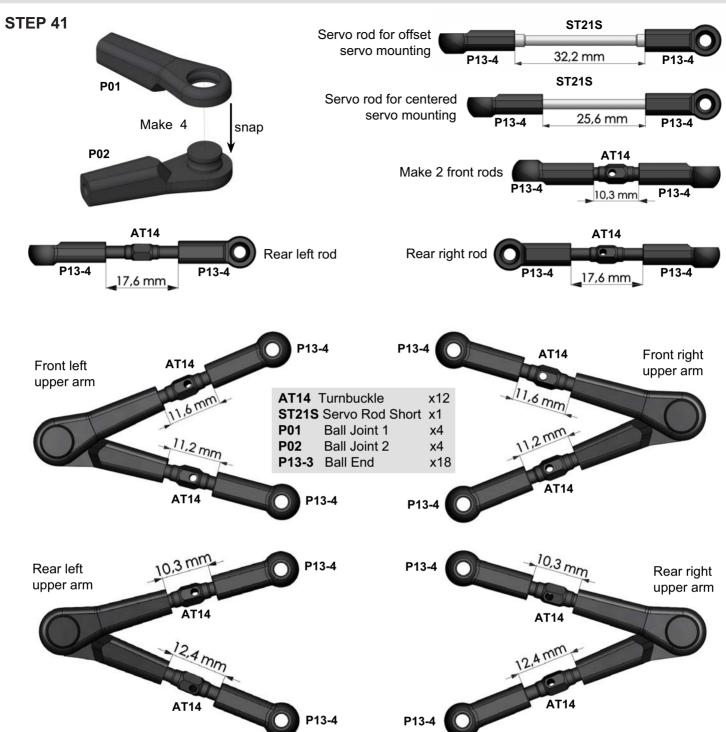
STEP 39 (cont'd)



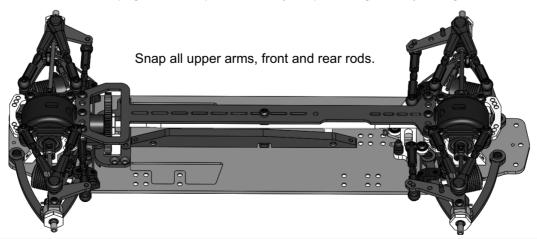




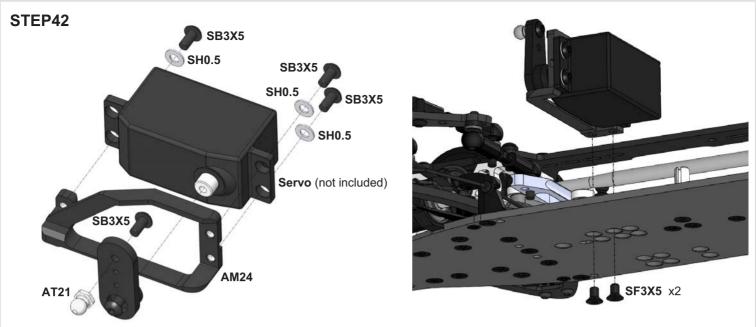




Notes: The given rods and arms sizes are approximately for 4° front caster and - 4° rear caster, 1.5° both front and rear cambers, 3° rear toe-in and 0° front toe angles. Use a setup station or angles gauge for further precise suspension geometry setting. See our recommendations on page #35 for quick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







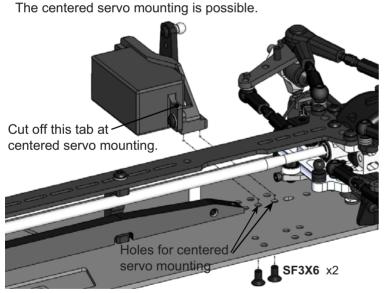


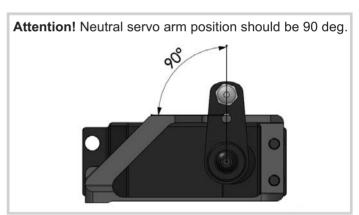
SF3X5 M3x5 Flat Head Screw x2 AT21 Pivot Ball x1

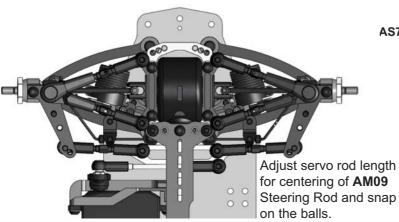
SH0.5 6x3x0.5mm Spacer (Silver) x3 AM24 Central Servo Holder x1

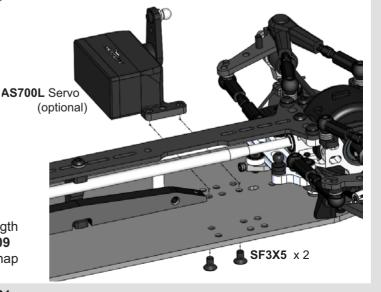
SB3X5 M3x5 Button Head Screw x4 ST21S Servo Rod Short x1

Note: Recommended length of servo arm is 17,5-18,5mm. We highly recommend our **P40F** and **P40K** Servo Arms. We also recommend our **AS-700L** Brushless Low-Profile Car Servo. Awesomatix **AS-700L** servo has an integrated servo holder and doesn't required **AM24** or any others servo holders for mounting on the chassis.





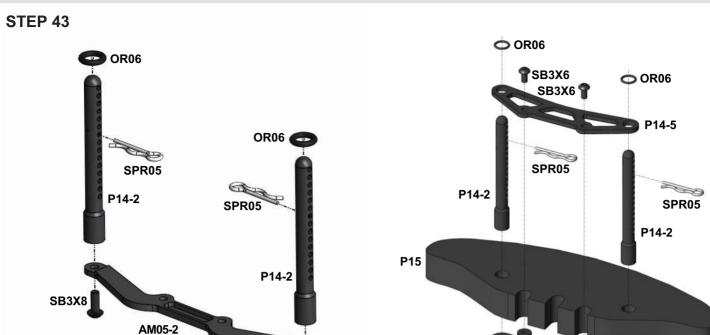






P14-1

SF3X10





SB3X8 M3x8 Button Head Screw x2

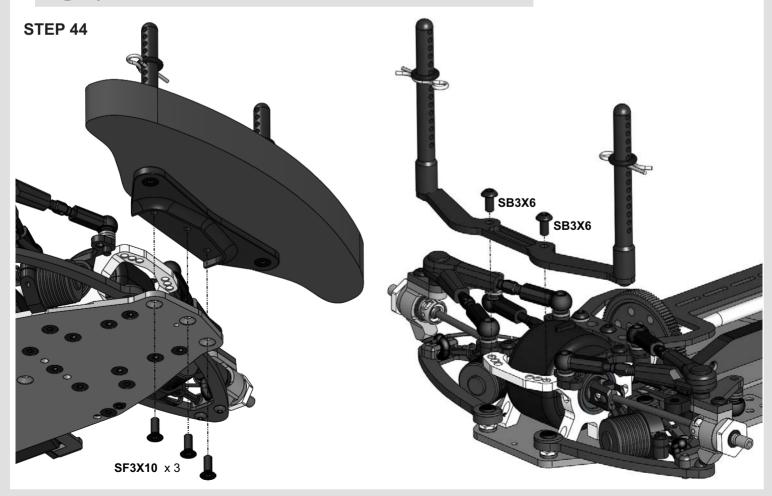
SB3X6 M3x6 Button Head Screw x4

OR06 5mm O-Ring x4

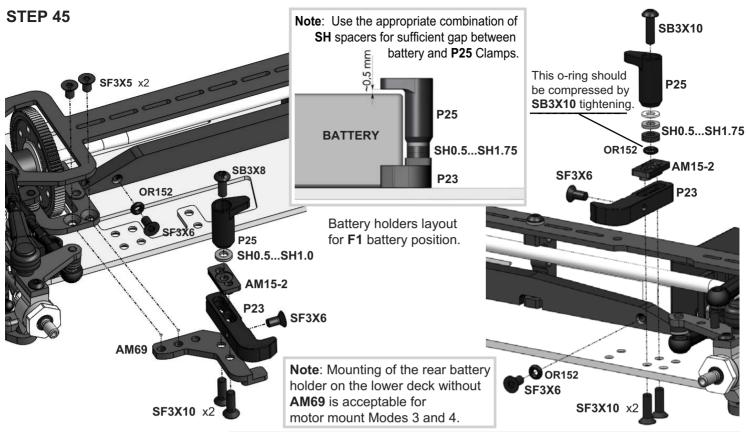
SB3X8

AM05-2 Rear Holder x1
P14-1 Lower Bumper x1
P14-2 Body Post x4
P14-5 Upper Bumper x1
P15 Foam Bumper x1
SPR05 Body Clip x4

SF3X10







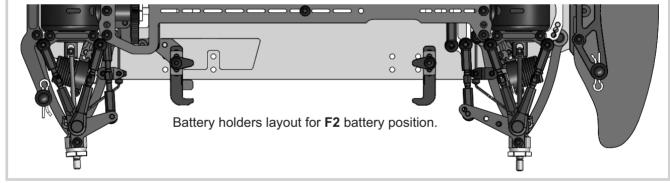
Battery Holders adjustment:

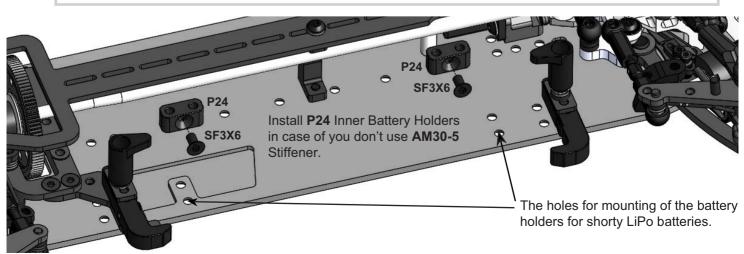
Choose the desirable battery position.

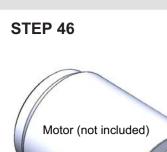
Tighten up **SF3X10** screws to fix **P23** Battery Holders.

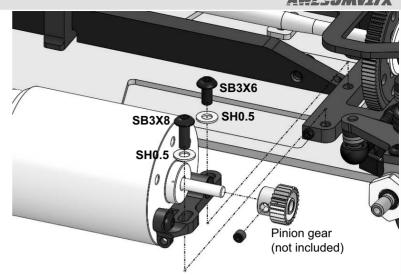
Adjust **SF3X6** screws to achieve ~0.5mm clearance between them and the battery.

O SF3X10 M3x10 Flat Head Screw x4 P23 Outer Battery Holder x2
O SF3X6 M3x6 Flat Head Screw x4 P25 Battery Clamp x2
O SF3X5 M3x5 Flat Head Screw x2 AM15-2 Battery Nut x2
O SB3X8 M3x8 Button Head Screw x1 AM69 MM2 Battery Support x1
O SB3X10 M3x10 Button Head Screw x1 SH0.5 SH1.0 SH1.75 Spacers
O OR152 2x1.5mm O-Ring x3





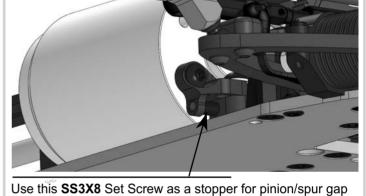




AM70 SF3X10

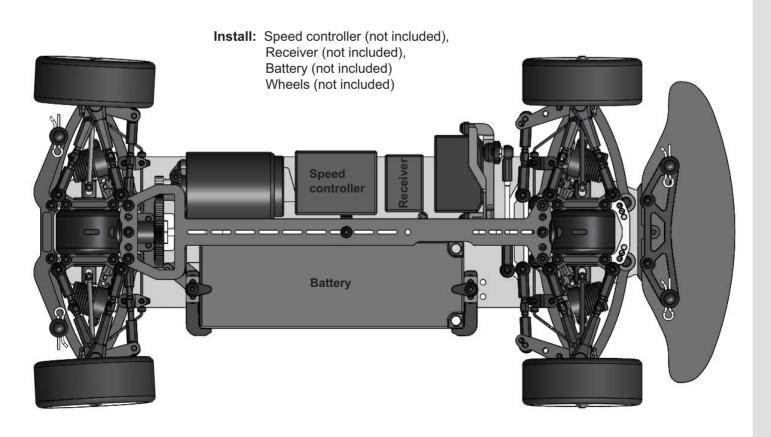
Check up Drive Ratio Chart (page 32) before pinion gear installation.



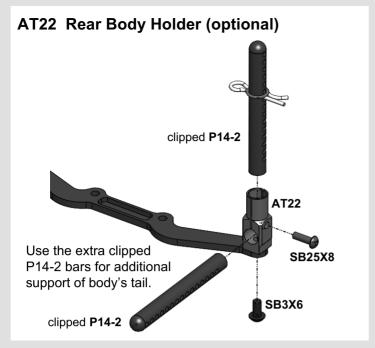


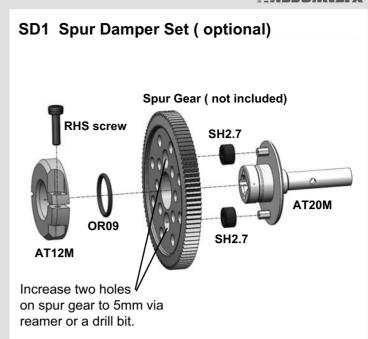
precise setting before full tightening of SB screws.

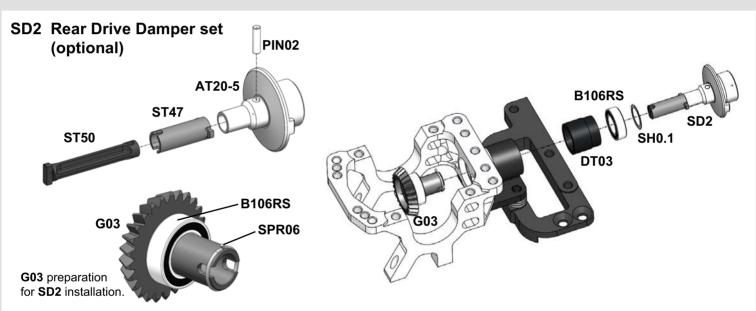
STEP 47 FINAL ASSEMBLY

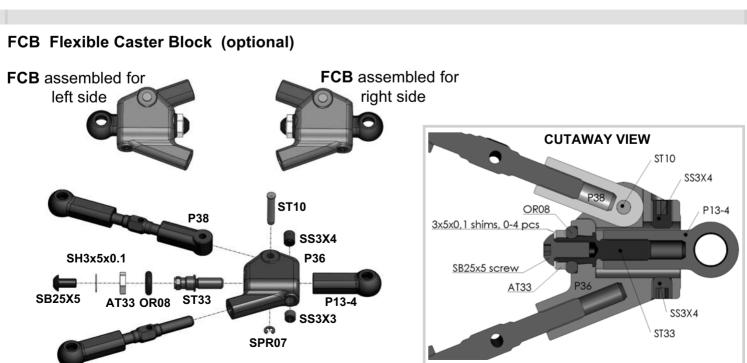








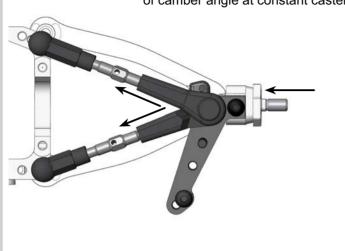




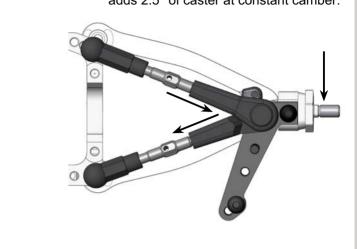


SUSPENSION SETTING TECHNIQUE

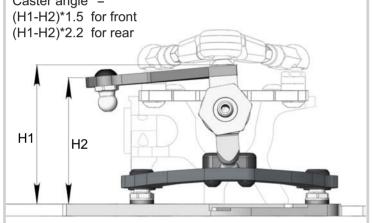
Camber adjustment rule: Simultaneous both upper rods 0.5mm shortening (1/2 turn of both turnbuckles) adds 1.0° of camber angle at constant caster.



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



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

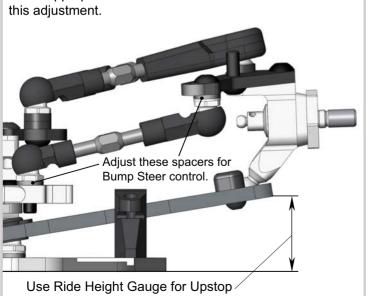


Reactive Caster setting is possible. Use **SS3X4** screws for Upstop and Downstop setting.

Roll Center adjustment:

Caster measuring:

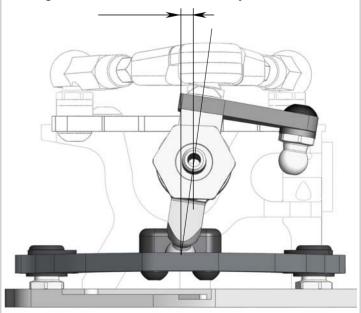
Use combinations of SH0.5, SH1.0 and SH1.75 Spacers under appropriate Pivot Balls and Ball Studs for



& Downstop measuring.

Wheelbase adjustment:

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





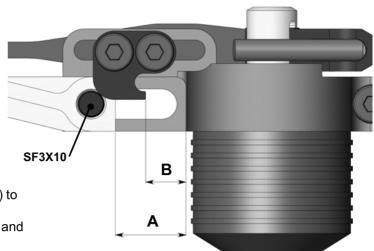
SHOCK SETTING TECHNIQUE

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.

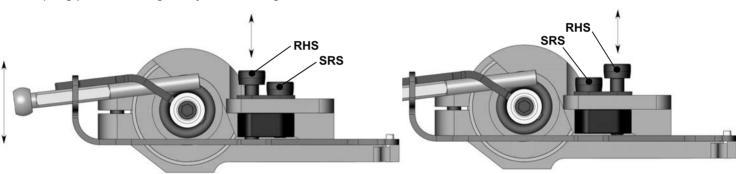


2. Shock Spring preload setting

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.

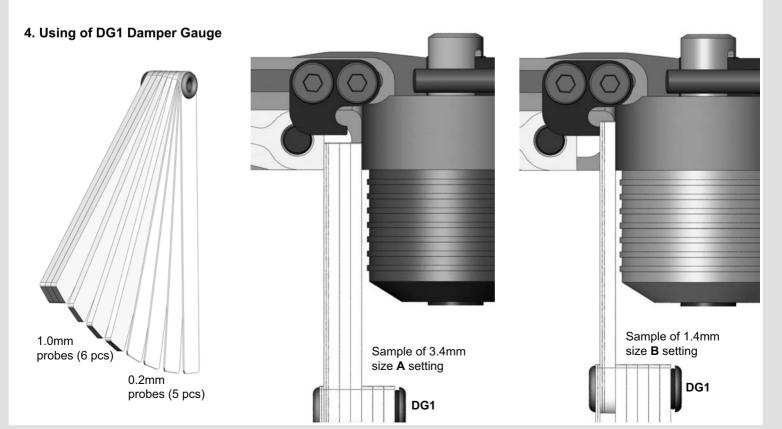
3. SRS/RHS Screws arrangements change

The reverse arrangement of these screws is possible also.



SRS/RHS Screws arrangement |

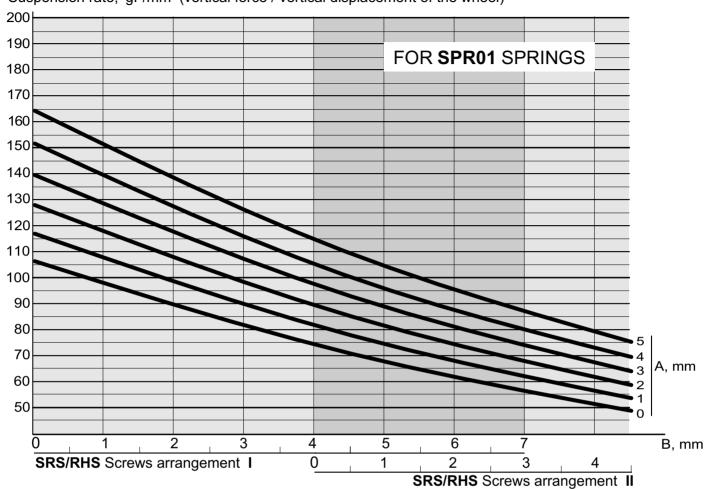
SRS/RHS Screws arrangement II

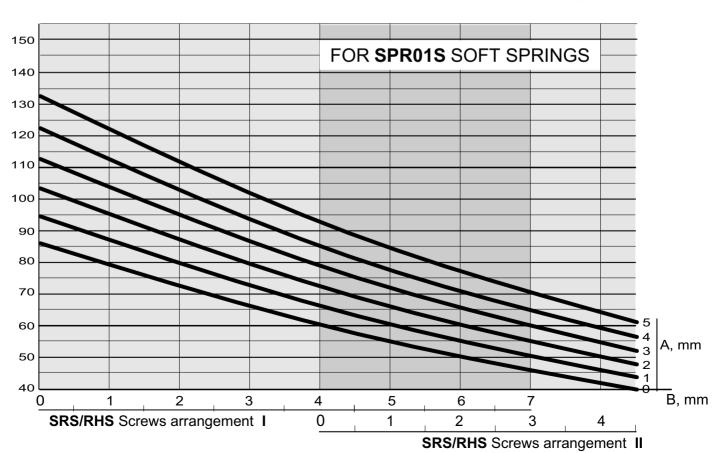




GRAPHS OF THE SUSPENSION STIFFNESS DEPENDING ON THE POSITION OF THE DAMPER (SIZE A) AND SHOCK SCREW HOLDER (SIZE B)

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





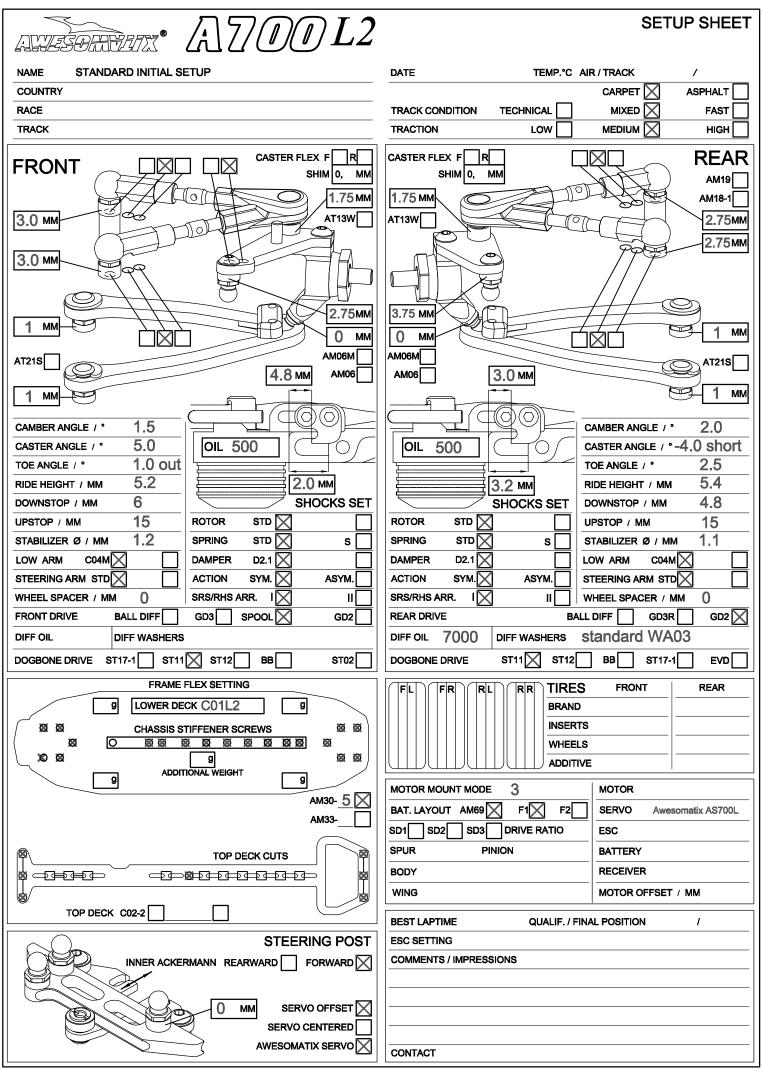


FINAL DRIVE RATIO CHART

DRIVE TRAIN RATIO IS 2,08

		64 PITCH SPUR GEAR																												
	- 10	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98
	18																												10.00	11,3
	19																												10,62	10,7
	20																										0.44		10,09	10,
	21																									2 22	9,41	9,51	9,61	9,7
	22																									8,89	8,98	9,08	9,17	9,2
	23																							7.07	8,41	8,50	8,59	8,68	8,77	8,8
	24																							7,97	8,06	8,15	8,23	8,32	8,41	8,4
	25																						7,57	7,65	7,74	7,82	7,90	7,99	8,07	8,
	26																					7,20	7,28	7,36	7,44	7,52	7,60	7,68	7,76	7,8
	27																				6,86	6,93	7,01	7,09	7,16	7,24	7,32	7,40	7,47	7,
	28																			6,54	6,61	6,69	6,76	6,83	6,91	6,98	7,06	7,13	7,21	7,2
	29																			6,31	6,38	6,46	6,53	6,60	6,67	6,74	6,81	6,89	6,96	7,
	30																	5,96	6,03	6,10	6,17	6,24	6,31	6,38	6,45	6,52	6,59	6,66	6,73	6,
ш	31																5,70	5,77	5,84	5,90	5,97	6,04	6,11	6,17	6,24	6,31	6,37	6,44	6,51	6,
3175	32																5,53	5,59	5,66	5,72	5,79	5,85	5,92	5,98	6,05	6,11	6,18	6,24	6,31	6,
ַ	33														5,23	5,29	5,36	5,42	5,48	5,55	5,61	5,67	5,74	5,80	5,86	5,92	5,99	6,05	6,11	6,
5	34													5,02	5,08	5,14	5,20	5,26	5,32	5,38	5,44	5,51	5,57	5,63	5,69	5,75	5,81	5,87	5,93	6,
	35												4,81	4,87	4,93	,	5,05	5,11	5,17	5,23	5,29	5,35	5,41	5,47	5,53	5,59	5,65	5,71	5,76	
₹	36											4,62	4,68	4,74	4,80	4,85	4,91	4,97	5,03	5,08	5,14	5,20	5,26	5,32	5,37	5,43	5,49	5,55		
_	37										4,44	4,50	4,55	4,61	4,67	4,72	4,78	4,83	4,89	4,95	5,00	5,06	5,12	5,17	5,23	5,28	5,34		لــــــا	
	38									4,27	4,32	4,38	4,43	4,49	4,54	4,60	4,65	4,71	4,76	4,82	4,87	4,93	4,98	5,04		5,15				
	39								4,11	4,16	4,21	4,27	4,32	4,37	4,43	4,48	4,53	4,59	4,64	4,69	4,75	4,80	4,85	4,91	4,96					
	40							3,95	4,00	4,06	4,11	4,16	4,21	4,26	4,32	4,37	4,42	4,47	4,52	4,58	4,63	4,68	4,73	4,78						
	41						3,80	3,86	3,91	3,96	4,01	4,06	4,11	4,16	4,21	4,26	4,31	4,36	4,41	4,46	4,52	4,57	4,62							
	42					3,66	3,71	3,76	3,81	3,86	3,91	3,96	4,01	4,06	4,11	4,16	4,21	4,26	4,31	4,36	4,41	4,46								
	43				3,53	3,58	3,63	3,68	3,72	3,77	3,82	3,87	3,92	3,97	4,01	4,06	4,11	4,16	4,21	4,26	4,31									
	44			3,40	3,45	3,50	3,55	3,59	3,64	3,69	3,73	3,78	3,83	3,88	3,92	3,97	4,02	4,07	4,11	4,16										
	45		3,28	3,33	3,37	3,42	3,47	3,51	3,56	3,61	3,65	3,70	3,74	3,79	3,84	3,88	3,93	3,98	4,02										<u> </u>	
	46	3,17	3,21	3,26	3,30	3,35	3,39	3,44	3,48	3,53	3,57	3,62	3,66	3,71	3,75	3,80	3,84	3,89												
	47	3,10	3,14	3,19	3,23	3,27	3,32	3,36	3,41	3,45	3,50	3,54	3,58	3,63	3,67	3,72	3,76													
	48	3,03	3,08	3,12	3,16	3,21	3,25	3,29	3,34	3,38	3,42	3,47	3,51	3,55	3,60	3,64														
	49	2,97	3,01	3,06	3,10	3,14	3,18	3,23	3,27	3,31	3,35	3,40	3,44	3,48	3,52															
	50	2.91	2,95	3.00	3.04	3,08	3.12	3.16	3,20	3.24	3.29	3,33	3,37	3,41																

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





Standard Spare Parts

Parts#	Description	Parts#	Description	Optional Pa	rte
AM01-1	Gear Box	P14	Bumper Set	D2.1-S	Damper Set
AM05-2	Rear Holder	P15	Foam Bumper	C01AL-S	Alloy Lower Deck S
AM06S	Steering Block	P16	Lock Ring		
AM08-1	Shocks Holder		=	C01L2H	Lower Deck L2 Hard
AM09		P20	Front Universals Ring	C07	Carbon Bumper
	Steering Rod	P23	Outer Battery Holder	C32	Carbon Main Shaft
AM10-2	Steering Plate	P25	Battery Clamp	AT13W	Wheel Hex Wide
AM11-2	Tower	P39	GD2 Cross Pin	AT21S	Pivot Ball Short
AM14-1	Steering Arm	DG1	Damper Gauge	AT22	Rear Body Holder
AM15-2	Battery Nut	C01L2	Lower Deck L2	AM06M	Steering Block
AM17L	Damper Holder Left	C02-2	Top Deck	AM12-1	Alloy Battery Holder
AM17R	Damper Holder Right	C04M	Suspension Arm	AM18-1	Front Holder
AM19-2	Upper Arm Holder	SWB10	Sway Bar 1.0mm	AM19	Upper Arm Holder
AM23-1	Rear Steering Arm	SWB11	Sway Bar 1.1mm	AM26	Rear Ball Holder
AM24	Central Servo Holder	SWB12	Sway Bar 1.2mm	AM30-5	Chassis Stiffener
AM30-5	Chassis Stiffener	SWB13	Sway Bar 1.3mm	ST24L	Ball Stud 10mm
AM69	MM2 Battery Support	D2.1	Damper	P15H	Foam Bumper Hard
AM70	MM2 Motor Locator	SPR01	Shock Spring	P40F	Servo Arm (Futaba)
AM73-1	MM2 Lower Plate	SPR02	Shock Rod Guide	P40K	Servo Arm (KO)
AM73-3	MM2 Middle Plate	SPR03	Shock Pointer	FCB	Flexible Caster Block Set
AM73-4	MM2 Bearing Housing	SPR05	Body Clip	P36	FCB Body
AT03M	= =				•
	Spool Axle	SPR06	Wire Ring	P38	FCB C Bin a
AT04-2	Main Shaft	SPR07	E-Ring	OR08	FCB O-Ring
AT06	Antenna Holder	G03	25T Bevel Gear	AM28	Alloy FCB Link
AT12	Spur Nut	G07	GD2 Satellite Gear	ST33	FCB Screw
AT13	Wheel Hex	G08	GD2 Bevel Gear	AT33	FCB Hex Shim
AT14	Turnbuckle	B106RS	MR106RS Bearing	SB25X5	M2.5x5mm Button Head Screw
AT15	Bearing Spacer	B85	MR85 Bearing	SD1	Spur Damper Set
AT20	Spur Axle	B84RS	MR84RS Bearing	AT12M	SD1 Spur Nut
AT21	Pivot Ball	PIN01	1.5x7.8 Pin	AT20M	SD1 Spur Axle
AT123	GD2 Case1	PIN02	1.5x5.8 Pin	SH2.7R	5x2x2.7mm Rubber Collar
AT124	GD2 Case2	OR05M	GD O-Ring	SD2	Rear Drive Damper Set
DT02	Bearing Housing	OR06	5mm O-Ring	AT20-5	SD2 Spur Axle
DT03	Motor Mount Collar	OR13	13mm O-Ring	ST47	SD2 Drive Tube
ST01	Front Axle	OR152	2x1.5mm O-Ring	ST50	SD2 Torsion
ST02	Rear Axle	SH0.1	6x8x0.1mm Shim	SD3	Transmission Damper Set
ST03	Ball Stud		3x5x0.1mm Shim	SPR01S	Shock Spring Soft
ST05L	Shock Rod Long		5x7x0.1mm Shim	ST17-1-S	Universal Ring Set
ST08	Steering Nut	SH0.5	6x3x0.5mm Spacer (Silver)	ST17-1	Universal Ring
ST09	Upper Collar	SH1.0	6x3x1.0mm Spacer (Gray)	ST38	Universal Nut
ST10	2mm Pin	SH1.75	6x3x1.75mm Spacer (Black)	BC1	Battery Clamps Set
ST11	Bushing R	WA02	3.5x9.5x0.2 Washer	AT26	BC1 Alloy Battery Post
ST13	Front Universal Bone	WA02	5x15.5x0.3 Washer	P21S	BC1 Battery Pad
ST14	Rear Universal Bone	SRS	Spring Rating Screw	BD1	Ball Diff Set
ST14	U-Joint Cross	RHS-1	Ride Height Screw		
ST17	Universal Ring	SS3X3	M3x3 Set Screw	OW1	One-Way Axle set
ST21S	Servo Rod Short	SS3X4	M3x4 Set Screw	IAS	Increased Ackermann Set
	GD Outdrive			AM20	IAS Steering Rod
ST23		SS3X4-1	M3x4 DIN915 Screw	AM21	IAS Steering Plate
ST24	Ball Stud 6mm	SS3X5	M3x5 Set Screw	AM22	IAS Steering Arm
ST24M	Ball Stud 8mm	SS3X8	M3x8 Set Screw	UB1	Universals Bearings Set
ST31	GD2 Output Axle	SC2X4	M2x4 Cap Head Screw	B415	4x1.5mm ball bearing
ST37	ST37 Spool Outdrive	SC2X6	M2x6 Cap Head Screw	ST10	1.5/2mm Pin
P01	Ball Joint1	SB25X8	M2.5x8 Button Head Screw	GD3	Diff Set
P02	Ball Joint2	SB3X5	M3x5 Button Head Screw	AS-700L	Brushless Low-Profile Servo
P03	Arm Ball Cap	SB3X6	M3x6 Button Head Screw	AS-700L-GS	Gear Set for AS700L Servo
P04	Arm Hasp	SB3X8	M3x8 Button Head Screw		
P05	Sway Bar Joint	SB3X10	M3x10 Button Head Screw		
P06-1	Downstop Collar	SF3X5	M3x5 Flat Head Screw		
P07	Arm Clip	SF3X6	M3x6 Flat Head Screw		
P09	Shock Screw Holder	SF3X8	M3x8 Flat Head Screw		
P10	Diff Cover	SF3X10	M3x10 Flat Head Screw		
P11	Gear Tube	INS-L2	A700L2 Instruction Manual		
P12	Sway Bar Holder	STS	A700 Stickers Sheet		
P13-4	Ball Ends Set				



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