S1666

ICON 2 WORLDS

schumacher formula

Supplementary Instructions ISS01

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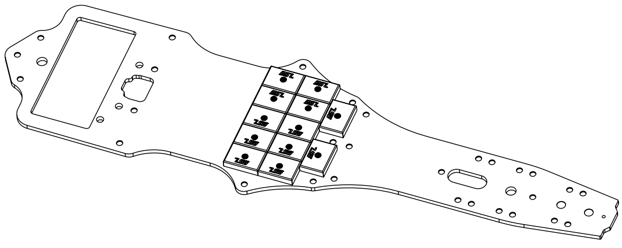
ICON 2 WORLDS
schumacher formula

Although built around the successful Icon 2 platform, the Worlds Edition car has several key updates. These are highlighted in this supplementary manual. Otherwise the build follows the main Icon 2 instruction manual.

Step 01

The Carbon Fibre Chassis has been updated with several small adjustments. The most obvious of which is the added 3mm holes across the electronics area.

These are designed for the Core RC
CR869 - Threaded rectangular 7.5g Weights (pk4)

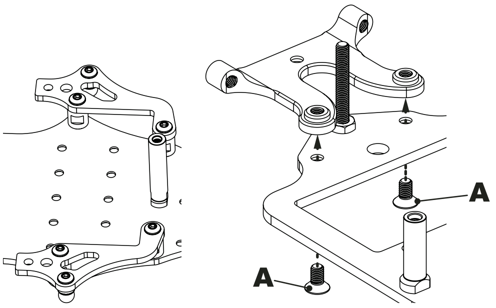


Step 02

A x2
M3x 6 Csk Hd Screw

The rear wing mount has been updated.
It now features more durable threads.
Screw ‘A’ has been updated to a 6mm screw.

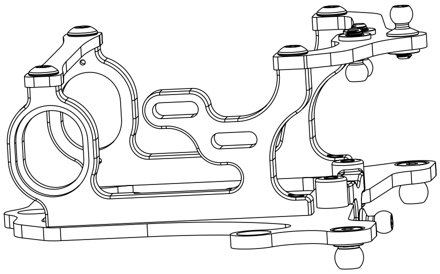
The side link mounts have also be updated, offering more space for the electronics installation.



Step 03

Step 3 builds with the same process.
The left and right transmission housings have been updated. The rear axle position has been lowered by 1.25mm.

This gives an increased ride height capability, allowing for smaller foam tyres to be used with ideal ride heights.
All popular rubber tyres can still reach desired ride heights.



Step 05

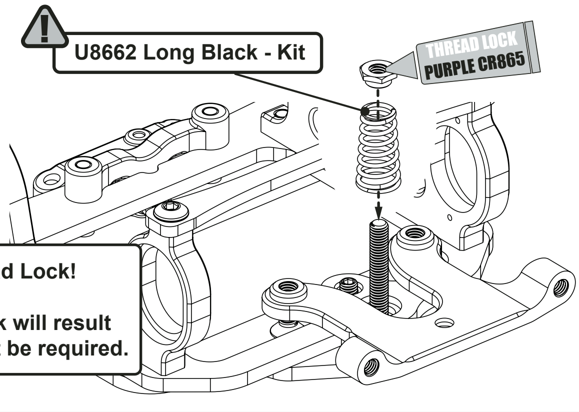
There is a new spring range dedicated to the rear of the Icon 2 Worlds, where shown below. This new spring offers greater suspension travel and no longer over stresses the rear spring when using the softer springs in the range.

The U7322 ‘Red Dot’ and U7323 ‘Black Ultra’ from the old spring range can be used in this position, whereas the old black, silver, gold and nickel springs should not be used here.

The Spring seat nut has also been updated to offer improved axle clearance, along with better durability.

F1 ‘Long’ Spring Set 2023 - Icon 2 Worlds S1722 iss1

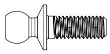
Part #	*Spring ID*	*Rate N/mm*	*Description*	*Spring Set*
U8658	Long White	0.65	Super Soft	***U8657***
U8659	Long Red	0.79	Soft	**U8657**
U8660	Long Green	1.03	Medium	**U8657**
U8661	Long Blue	1.34	Med/Hard	**U8657**
U8662	Long Black	1.74	Hard/Ultra	**U8657**
U7322	Red Dot	1.74	Hard/Ultra	**U4846**
U7323	Black Ultra	2.28	Ultra	**U4846**

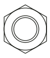


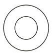
⚠ **U8662 Long Black - Kit**

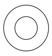
⚠ **Use only the Purple Thread Lock!**
(CR865 - Included)
Using the Blue thread lock will result in a stronger fit that is not be required.

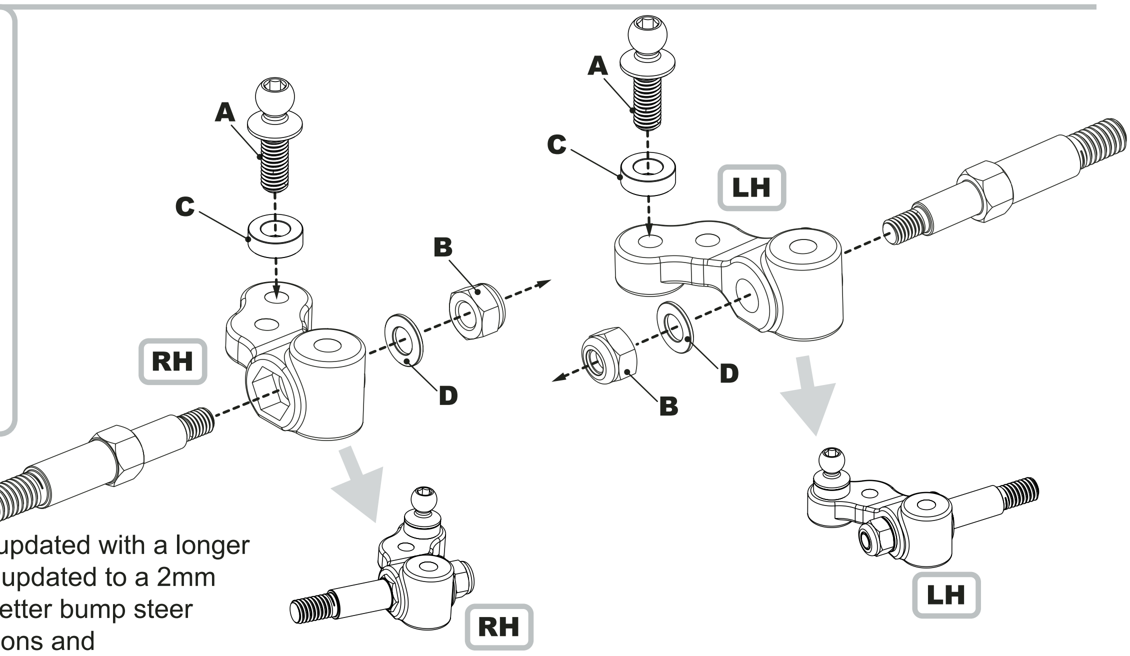
Step 10

A x2

Long Ball Stud Low

B x2

M3 Nyloc Nut

C x2

Black 2.0mm Spacer

D x2

Black 0.5mm Spacer



Ball stud 'A' has been updated with a longer thread, and spacer 'C' updated to a 2mm spacer. This gives a better bump steer setting for most conditions and ride heights. The tunability is increased.

Step 11

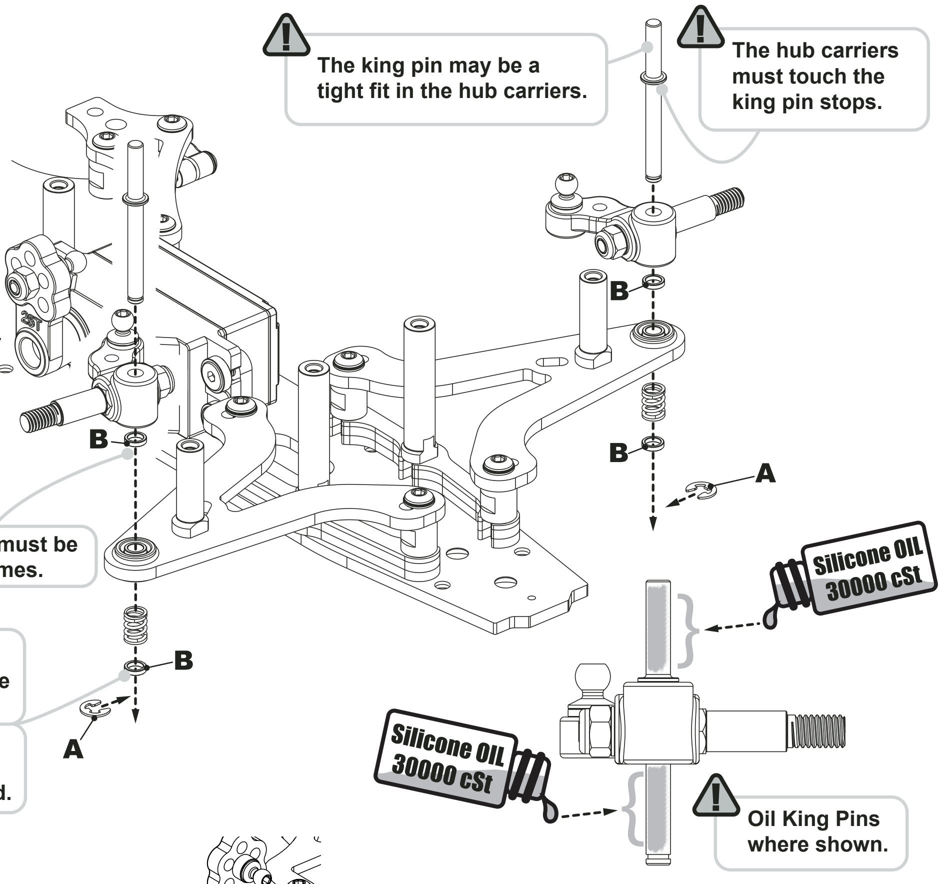
A x2

'E' Ring

B x4

King Pin Spacer

In step 11, the build process is exactly the same, except for an additional pair of spacer 'B' that are located under each spring. The kingpins have been updated, allowing for 1mm additional droop adjustment. This is achieved by removing the spacer from under the spring.



⚠ **The king pin may be a tight fit in the hub carriers.**

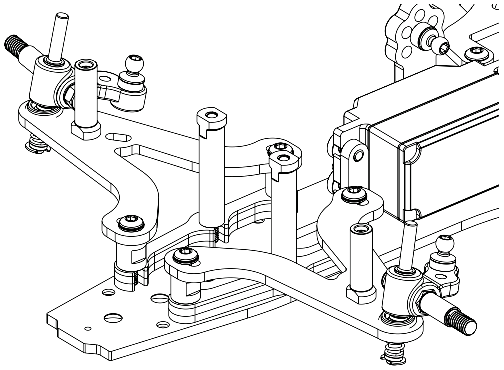
⚠ **The hub carriers must touch the king pin stops.**

⚠ **This spacer must be used at all times.**

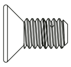
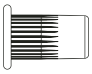
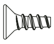
⚠ **This spacer may be removed to increase the front droop.**

⚠ **Important: Front Ride height will decrease if this spacer is removed.**

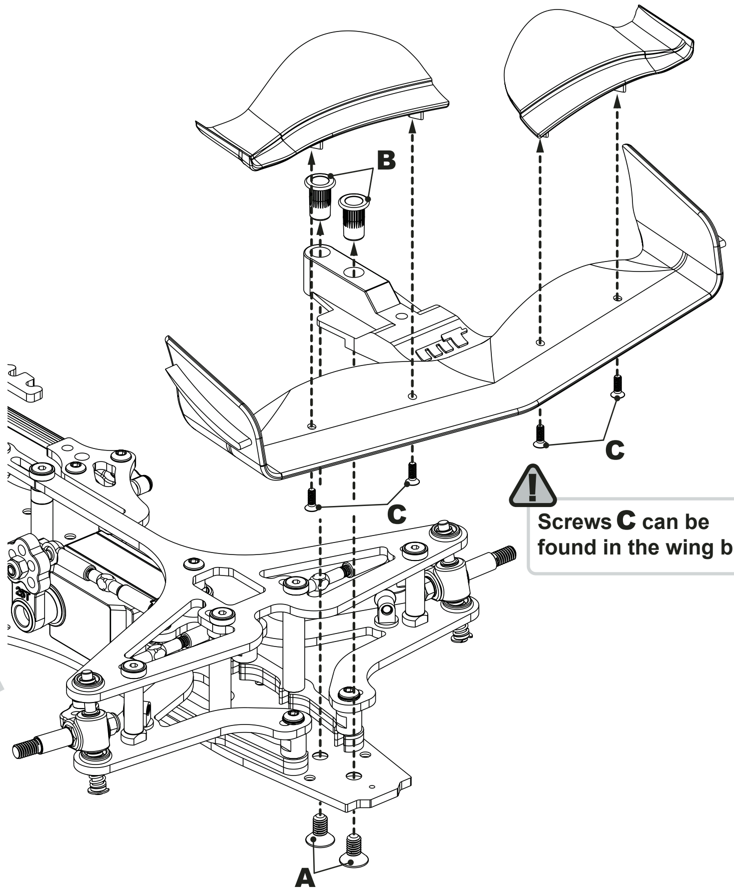
⚠ **Oil King Pins where shown.**



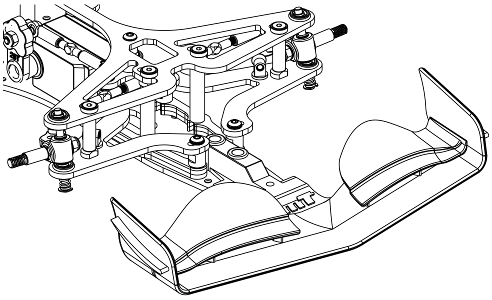
Step 20

A x2		M4x 8 Csk Hd Screw
B x2		M4x Thread Insert
C x4		2.5 x 6mm Csk Screw

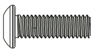
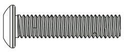
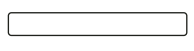
Step 20 includes a new style front wing.



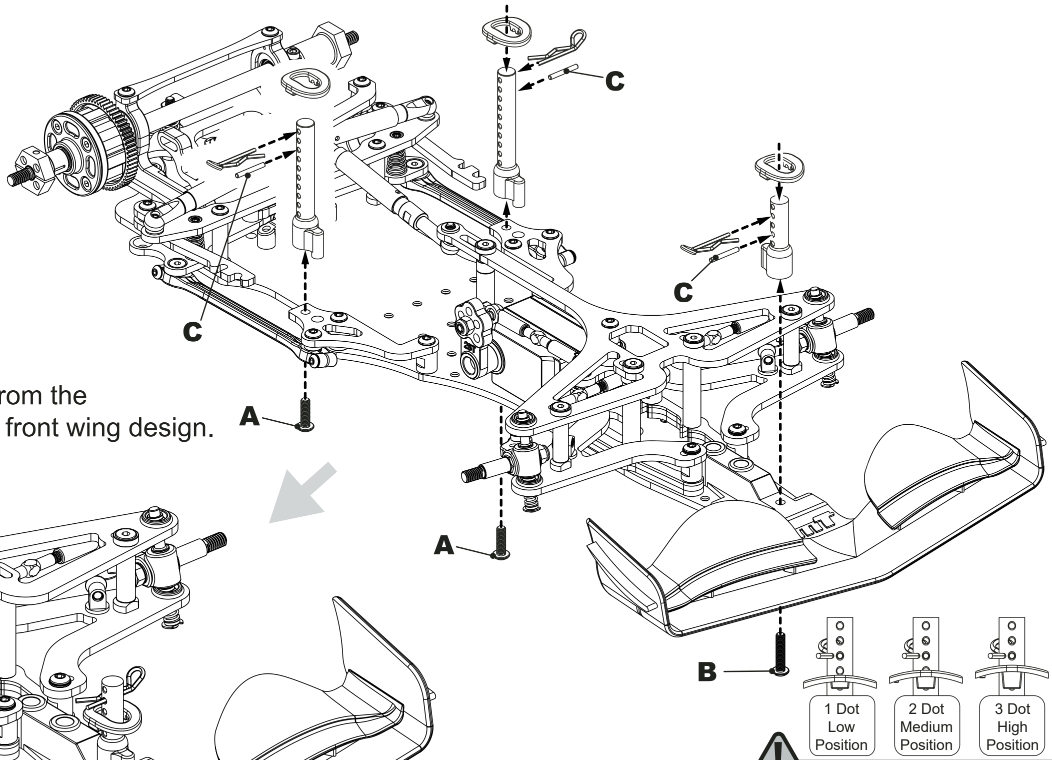
Screws C can be found in the wing bag.



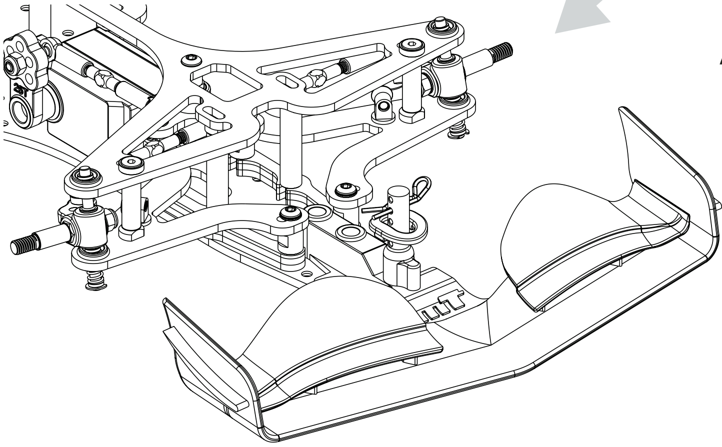
Step 21

A x2		M3x 10 Button Hd Screw
B x1		M3x 14 Button Hd Screw
C x3		ø1.5 x 11.8 Needle Roller

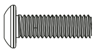
Only screw 'B' is changed from the Icon 2 kit, to fit the updated front wing design.

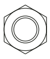


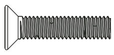
Select the correct body washer to fine tune the bodyshell height. Each incremental change is 1.2mm.

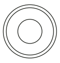


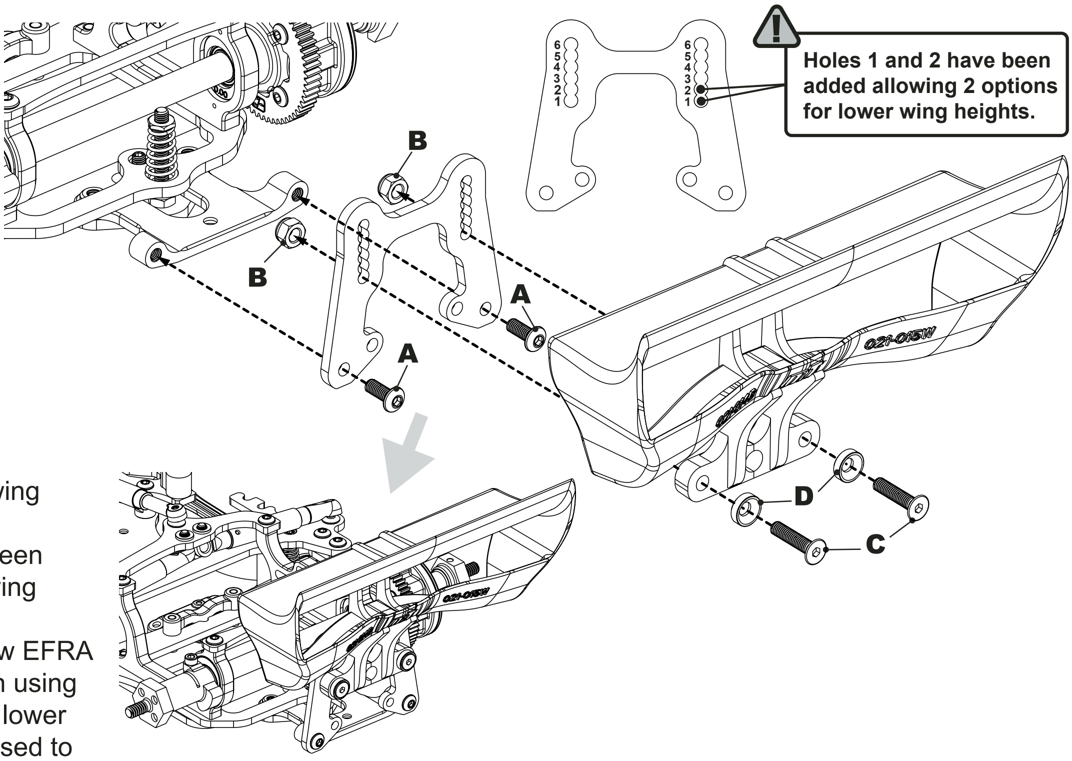
Step 22

A x2

M3x 8 Button Hd Screw

B x2

M3 Nyloc Nut

C x2

M3x 14 Csk Hd Screw

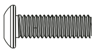
D x2

M3 Csk Washer



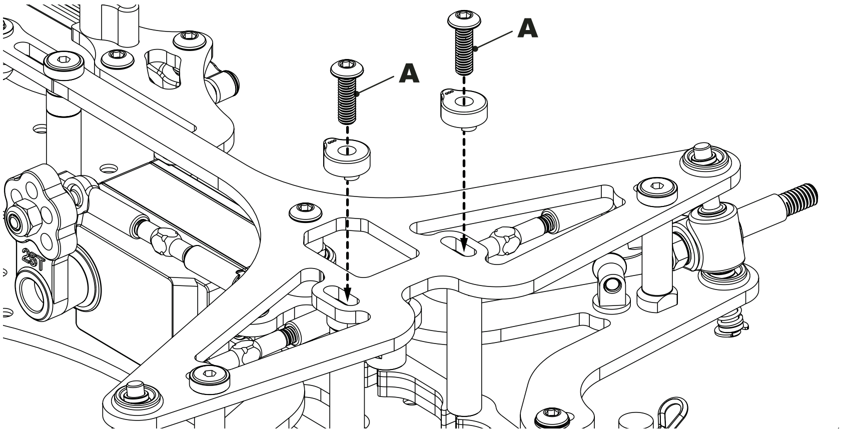
Holes 1 and 2 have been added allowing 2 options for lower wing heights.

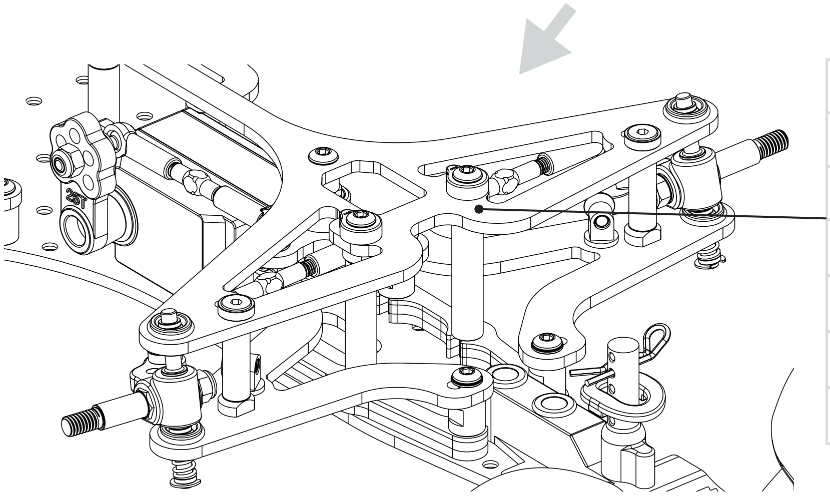
There is an updated rear wing included, as shown.
The C/F wing mount has been updated, offering 2 extra wing heights.
These 2 lower options allow EFRA regulations to be met when using the new wing design. The lower wing options can also be used to improve the cars rotation in the corner.

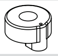
U8514
Castor Insert Set

A x2

M3x 10 Button Hd Screw

Included in every Icon2 Worlds kit is a set of optional castor inserts. These 3 pairs of different inserts allow for simple castor settings. Simply screw the chosen insert in place to acheive the desired castor setting from the table below.





⚠	Castor	Dots	Orientation
	10.5	3	Dots at Rear
	8	2	Dots at Rear
	7	1	Dots at Rear
	6	1	Dots at Front
	5	2	Dots at Front
	2.5	3	Dots at Front

S1635

iCON 2

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Instruction Manual ISS01

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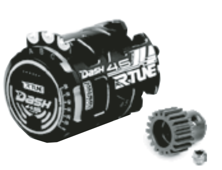
IMPORTANT SAFETY NOTES

- We strongly recommend that anyone driving RC cars, or organising events, should obtain third party liability insurance. In the UK this can be done by joining the BRCA. www.brca.org
- This product is not suitable for children under the age of 14, without the direct supervision of a responsible adult.
- Select an area for assembly that is away from the reach of small children.
- The parts in this kit are small and can be swallowed by children causing choking and possible internal injuries.
- Exercise care when using hand tools and sharp instruments during assembly.
- Carefully read all manufacturers warnings and cautions for any additional items used in the construction.
- In line with our policy of continuous development the exact details of the kit may vary.
- DO NOT use this car on public roads or in places where it can interfere with traffic, people or animals.
- Always check the operation of the radio with the wheels off the ground, before using the car.
- Make sure the radio and car batteries are fully charged before use.
- Disconnect and remove the battery from the car when not in use.
- Always store and charge LiPo batteries in a fireproof container.
- DO NOT put fingers or any objects inside rotating or moving parts as this may cause injury.
- Make sure the charger is correctly set for the type of battery you are using.
- Incorrect charging may cause a fire.
- Insulate all exposed electrical wiring. Exposed or damaged wires can cause short circuits and fire.
- The motor and speed controller can become hot during use. DO NOT touch them immediately after using your car as this may cause injury.

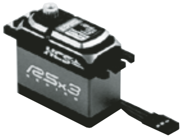
ADDITIONAL ITEMS REQUIRED


Radio Equipment


Motor and Pinion Gear


2S Shorty LiPo


Battery Charger


Steering Servo


Electronic Speed Controller


Pro Tyre Glue


Polycarbonate Paint


Wheels, Tyres and Inserts

TOOLS REQUIRED

1.5mm Hex Driver - U2789
2.0mm Hex Driver - U2790
2.5mm Hex Driver - U2791
3.0mm Hex Driver - U2792
5.5mm M3 Nut Driver - U2795
7.0mm M4 Nut Driver - U2796
Body Reamer - U2818
Pliers - CR528
Side Cutters - CR527
Soldering Iron - CR275
Solder - CR655
Curved Scissors - CR044
3.5mm Phillips Driver - AM140134

ICON KEYS

LITHIUM GREASE	CORE RC High Performance Lithium Grease10ml - CR752
THREAD LOCK	CORE RC Medium Thread Lock 3ml - CR520
CA GLUE	CORE RC 522 Pro Tyre Glue 20g + 2 Nozzles - CR522
⚠	Caution/Important note. Please read.
LH	Left-Hand Side of car
RH	Right-Hand Side of car
RACE TIP	Additional information that will help you build a faster race car.
	Set up Sheet - Refer to page 24.

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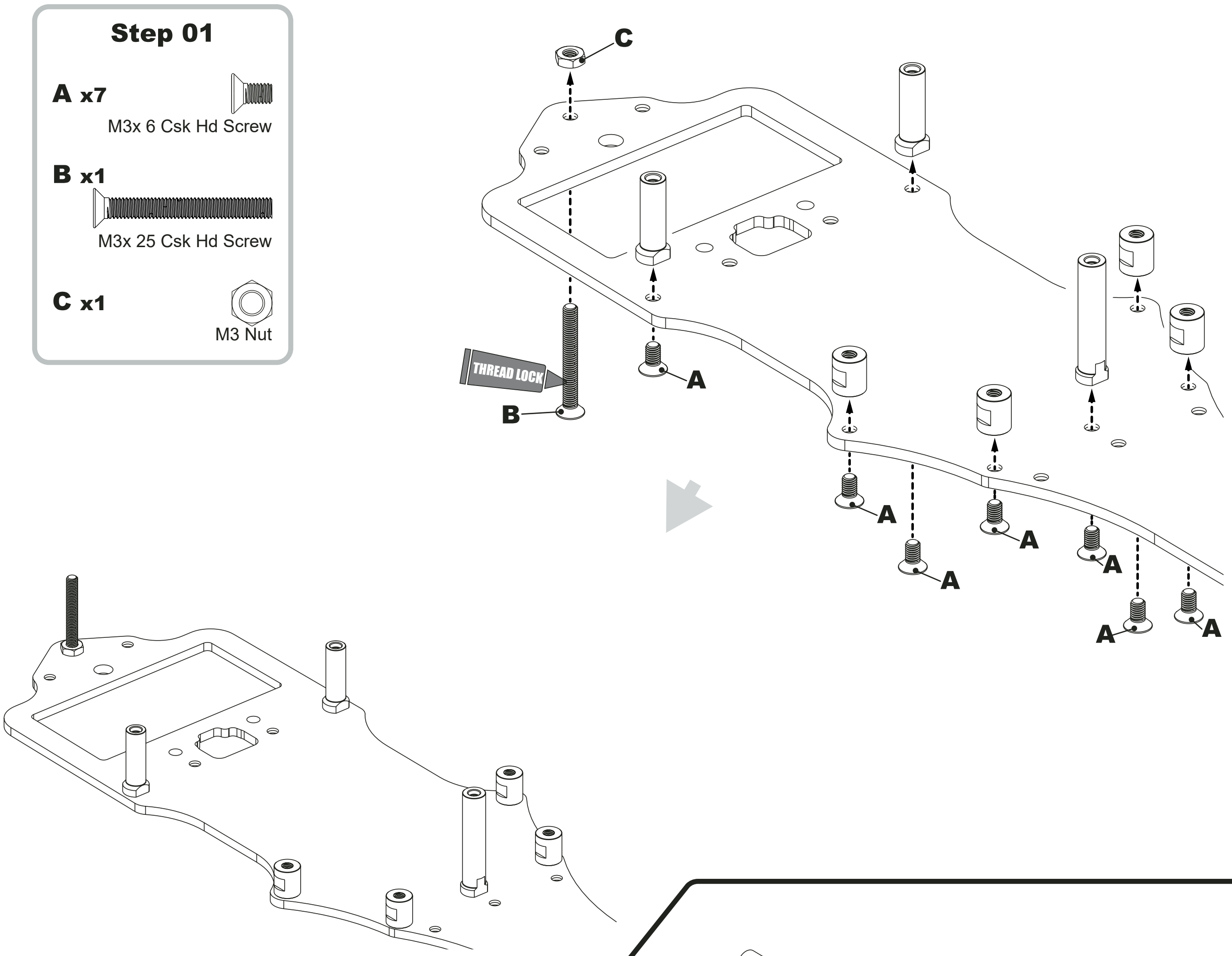
Step 01

A x7 M3x 6 Csk Hd Screw

B x1 M3x 25 Csk Hd Screw

C x1 M3 Nut



Step 02

A x2 M3x 5 Csk Hd Screw

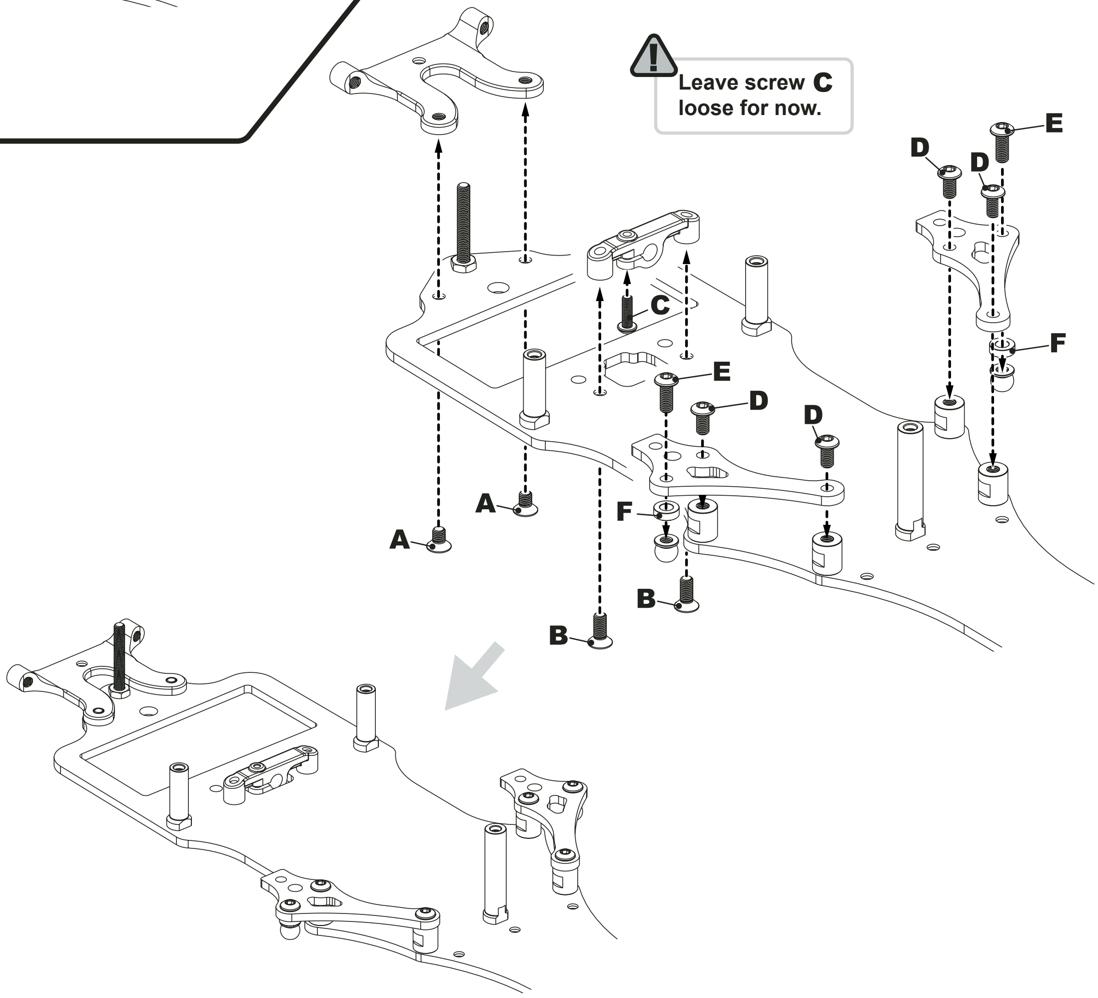
B x2 M3x 8 Csk Hd Screw

C x1 M2.5x 8 Button Hd Screw

D x4 M3x 6 Button Hd Screw

E x2 M3x 8 Button Hd Screw

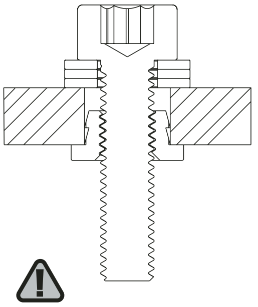
F x2 Black Spacer 2mm



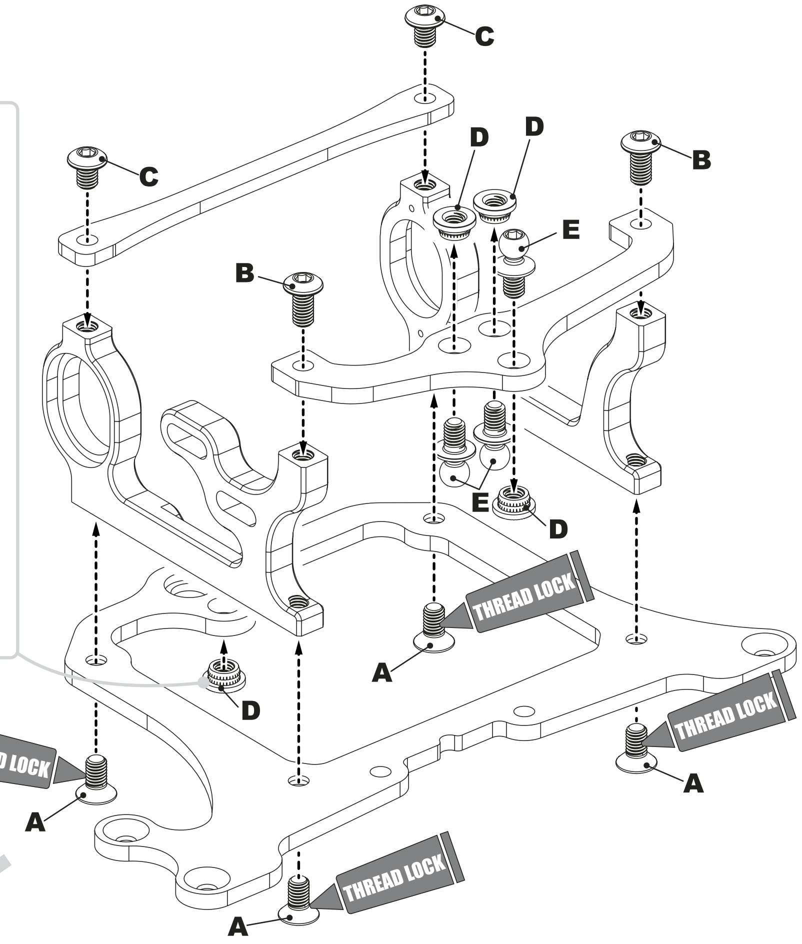
Leave screw **C** loose for now.

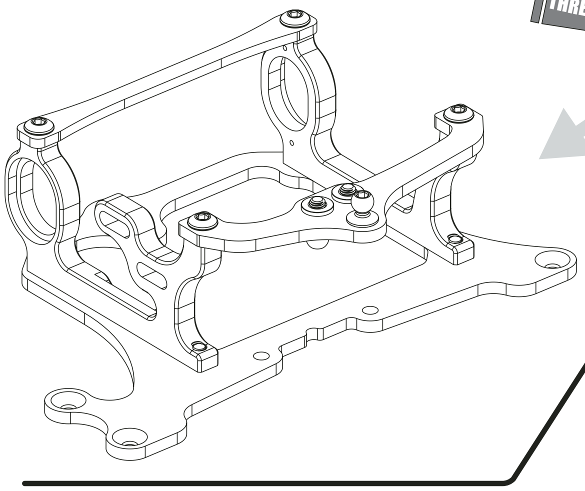
Step 03

A	x4	M3x 6 Csk Hd Screw
B	x2	M3x 6 Button Hd Screw
C	x2	M3x 4 Button Hd Screw
D	x4	M3 Thread Insert
E	x3	Ultra Short Ball Stud Low



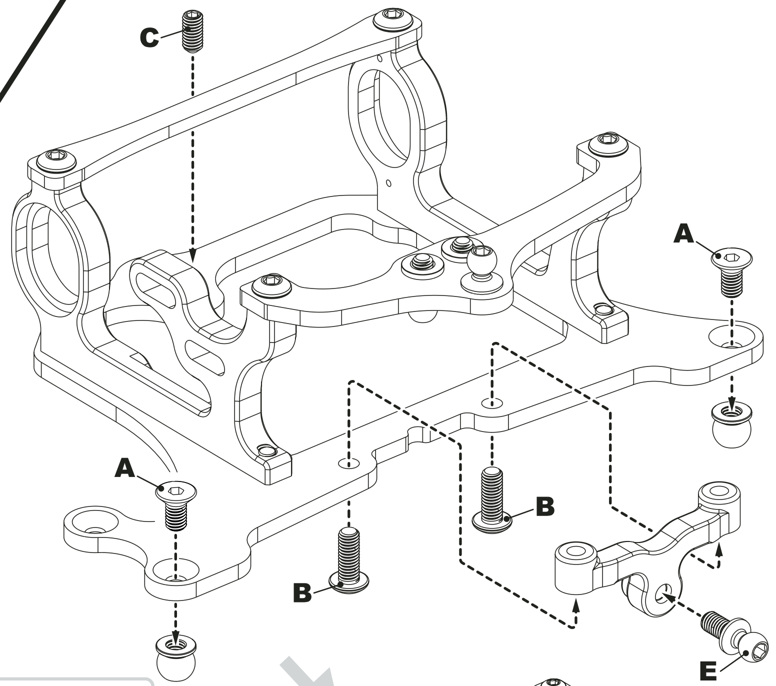
⚠ **Use the M3x12 Cap head screw and washers to fit the inserts. Tighten the screw until the M3 thread insert D is pulled into the carbon fibre part as shown.**

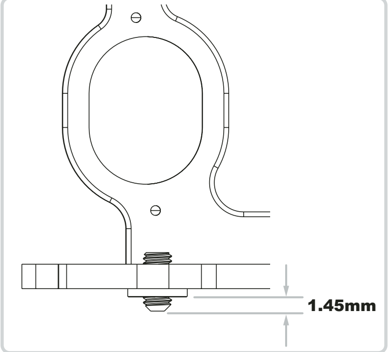


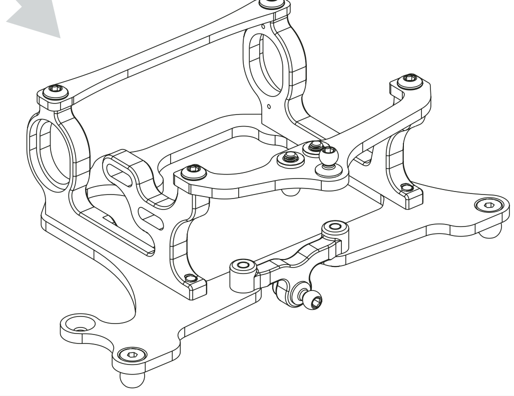


Step 04

A	x2	M3x 6 Csk Hd Screw
B	x2	M3x 8 Button Hd Screw
C	x1	M3x 6 Grub Screw
E	x1	Short Ball Stud





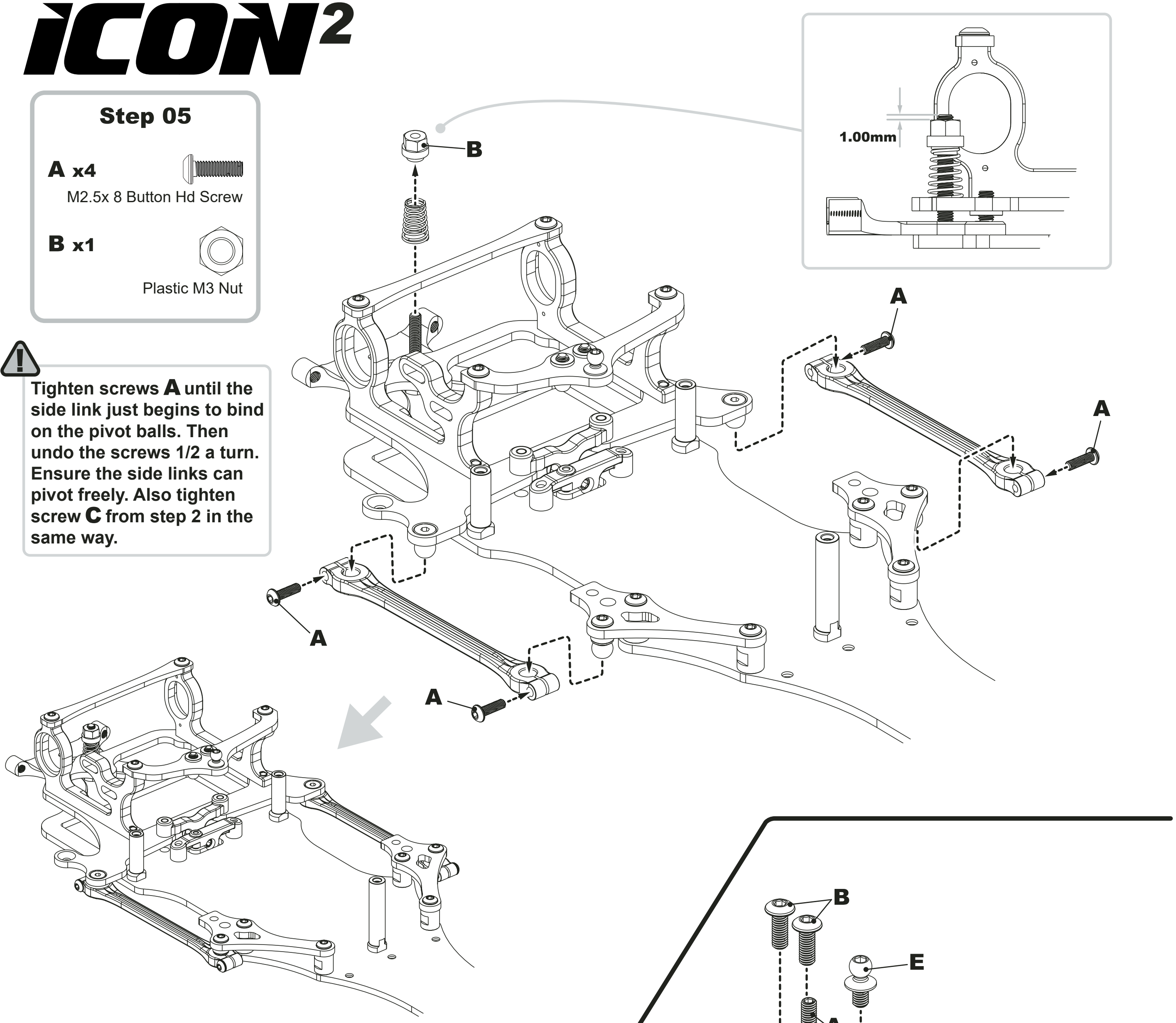


Step 05

A x4 M2.5x 8 Button Hd Screw

B x1 Plastic M3 Nut

Tighten screws A until the side link just begins to bind on the pivot balls. Then undo the screws 1/2 a turn. Ensure the side links can pivot freely. Also tighten screw C from step 2 in the same way.



Step 06a

A x2 M3x 6 Patched Grub Screw

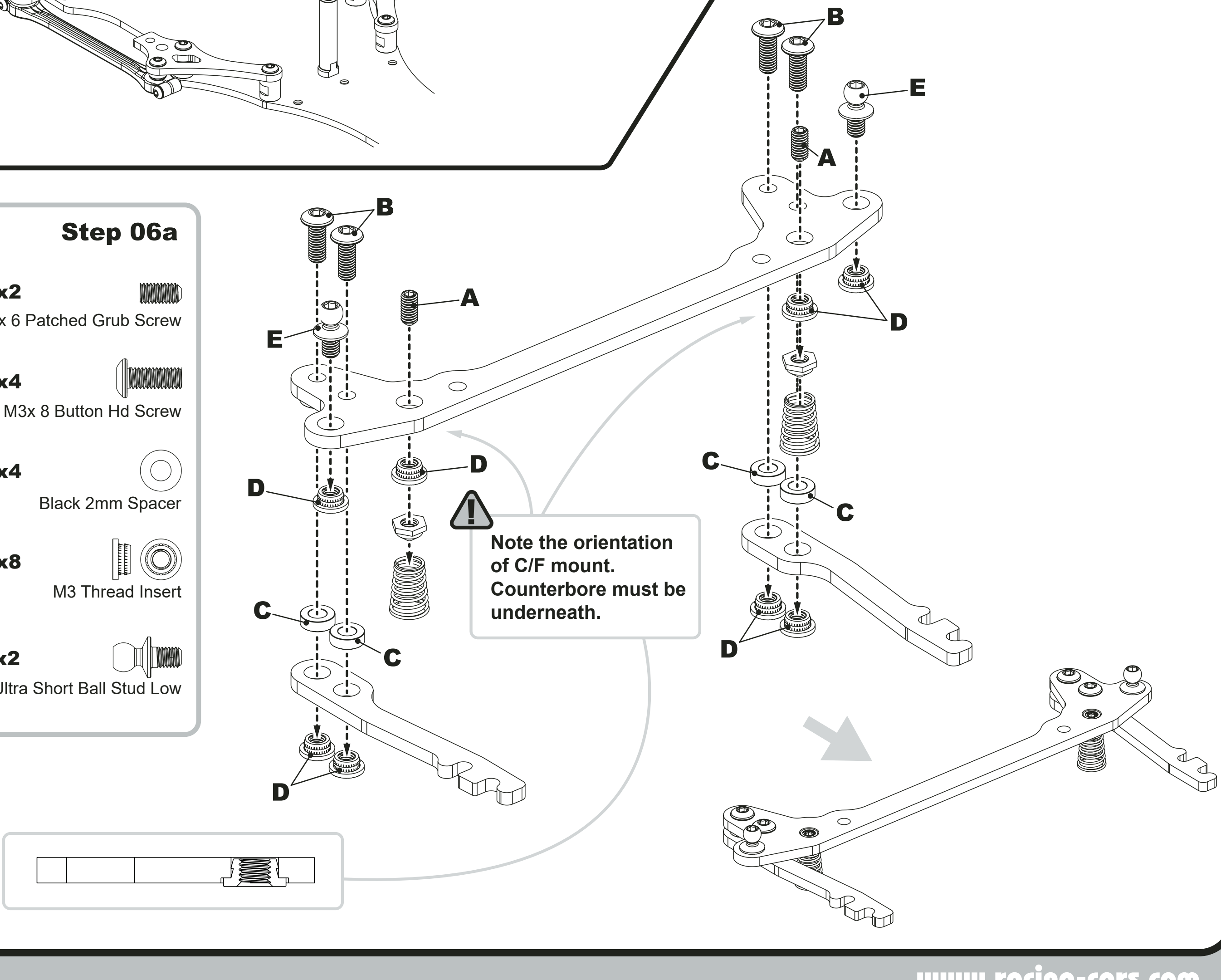
B x4 M3x 8 Button Hd Screw

C x4 Black 2mm Spacer

D x8 M3 Thread Insert

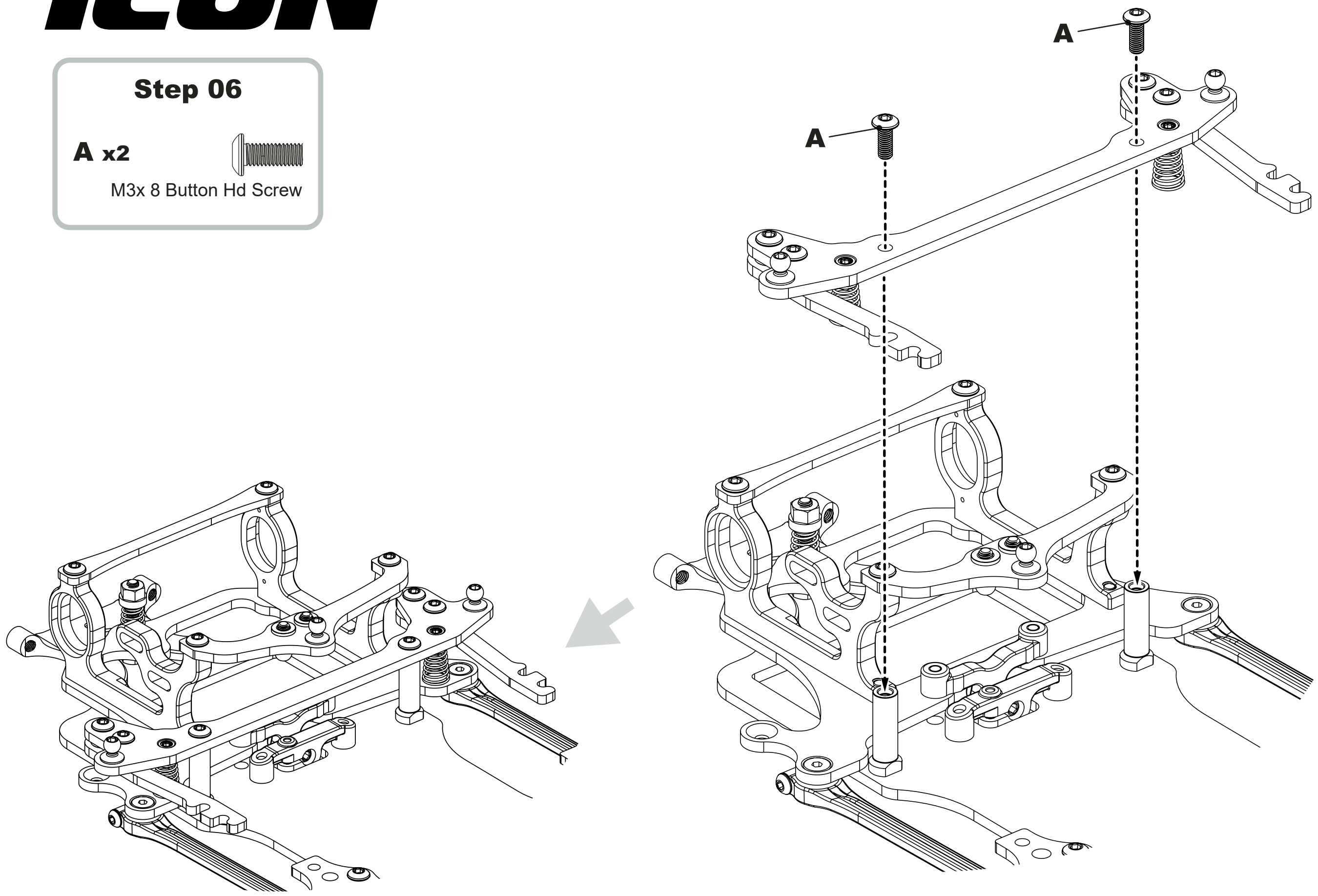
E x2 Ultra Short Ball Stud Low

Note the orientation of C/F mount. Counterbore must be underneath.



Step 06

A x2 M3x 8 Button Hd Screw



Step 07

A x2 M3x 6 Csk Hd Screw

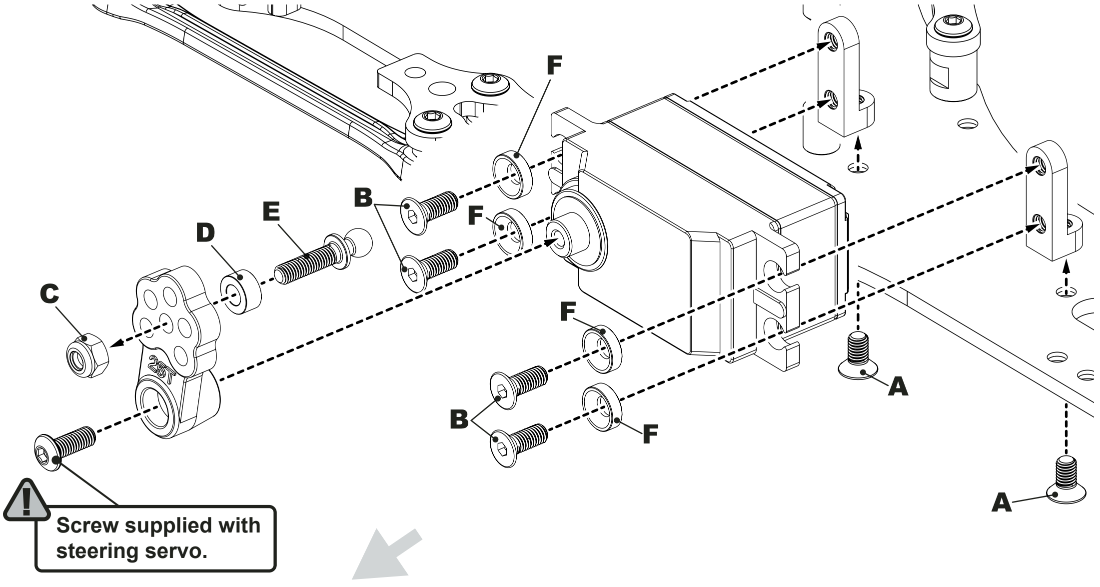
B x4 M3x 8 Csk Hd Screw

C x1 M3 Nyloc Nut

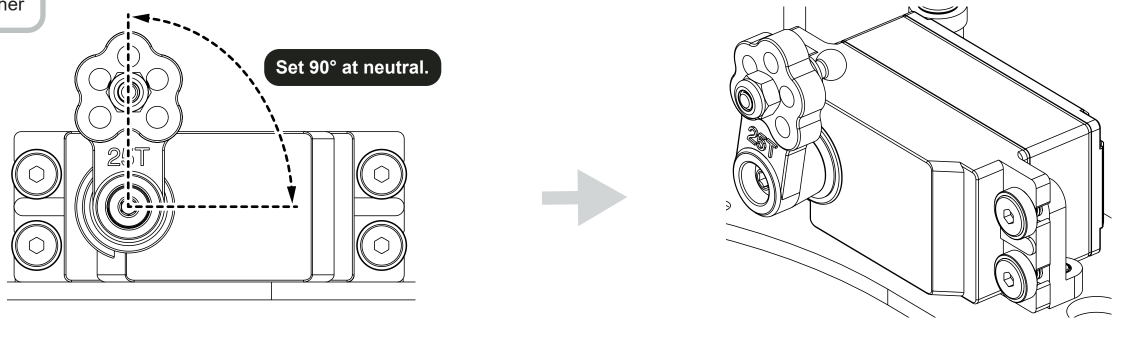
D x1 Black 3mm Spacer

E x1 Ultra Long Ball Stud

F x4 Black Csk Washer



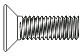
Screw supplied with steering servo.



Set 90° at neutral.

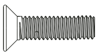
Step 08

A x6

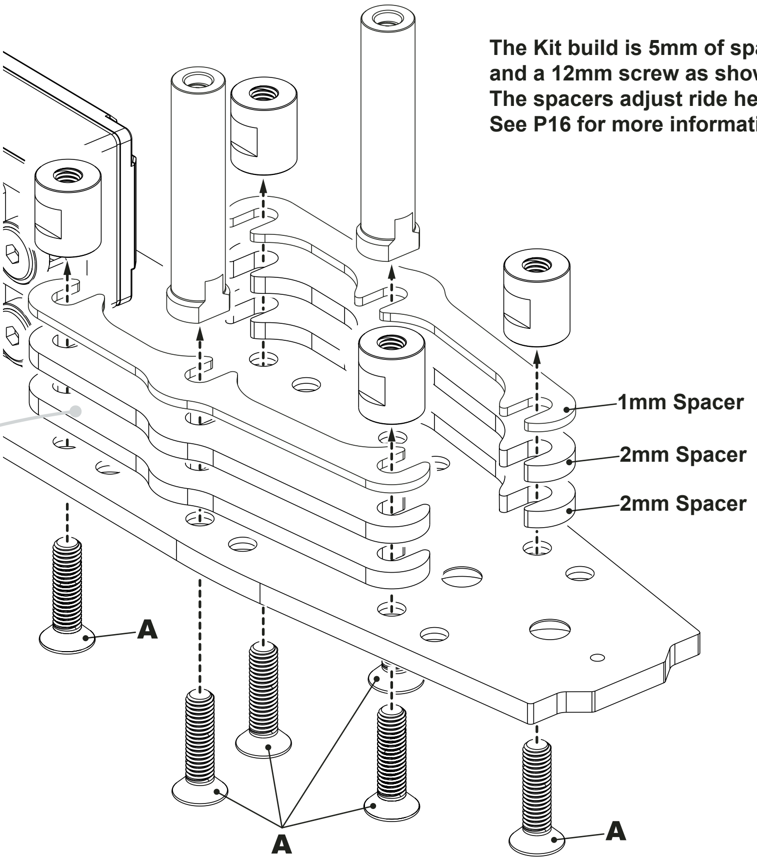


M3x 10 Csk Hd Screw

or

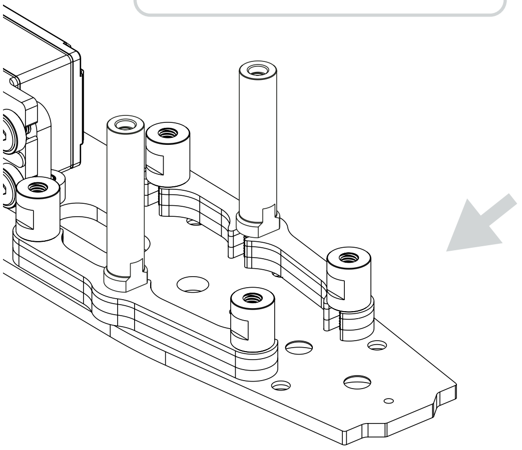


M3x 12 Csk Hd Screw



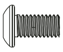
The Kit build is 5mm of spacers, and a 12mm screw as shown. The spacers adjust ride height. See P16 for more information.

NOTE
Use the 12mm screw when using 5-7mm of spacers.
Use the 10mm screw when using 3-4.75mm of spacers.



Step 09

A x6

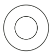


M3x 6 Button Hd Screw

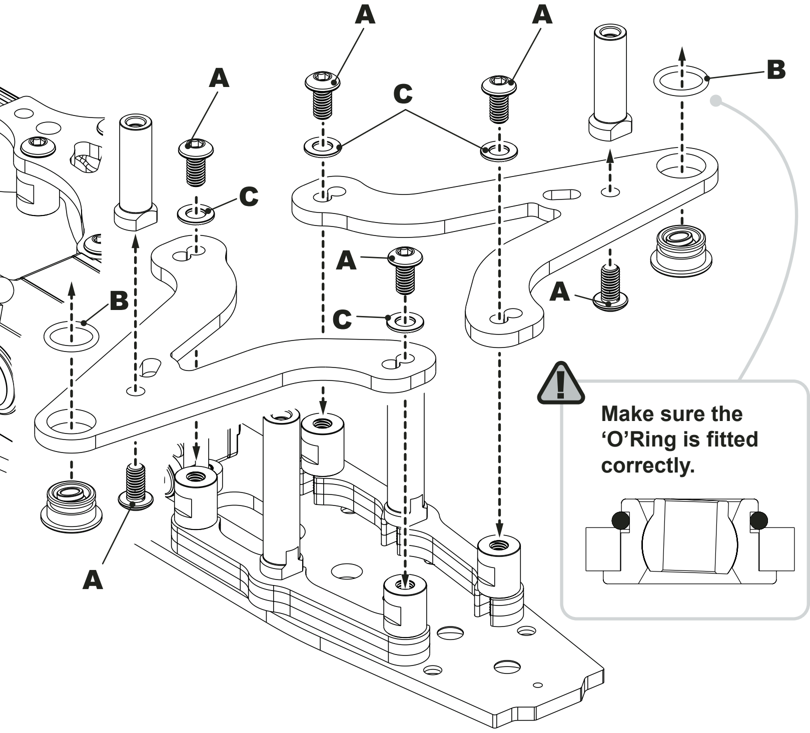
B x2

'O' Ring 6mm

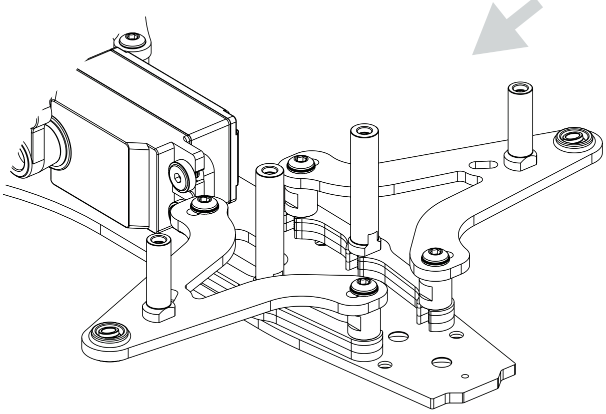
C x4



Black 0.5mm Spacer



Make sure the 'O'Ring is fitted correctly.



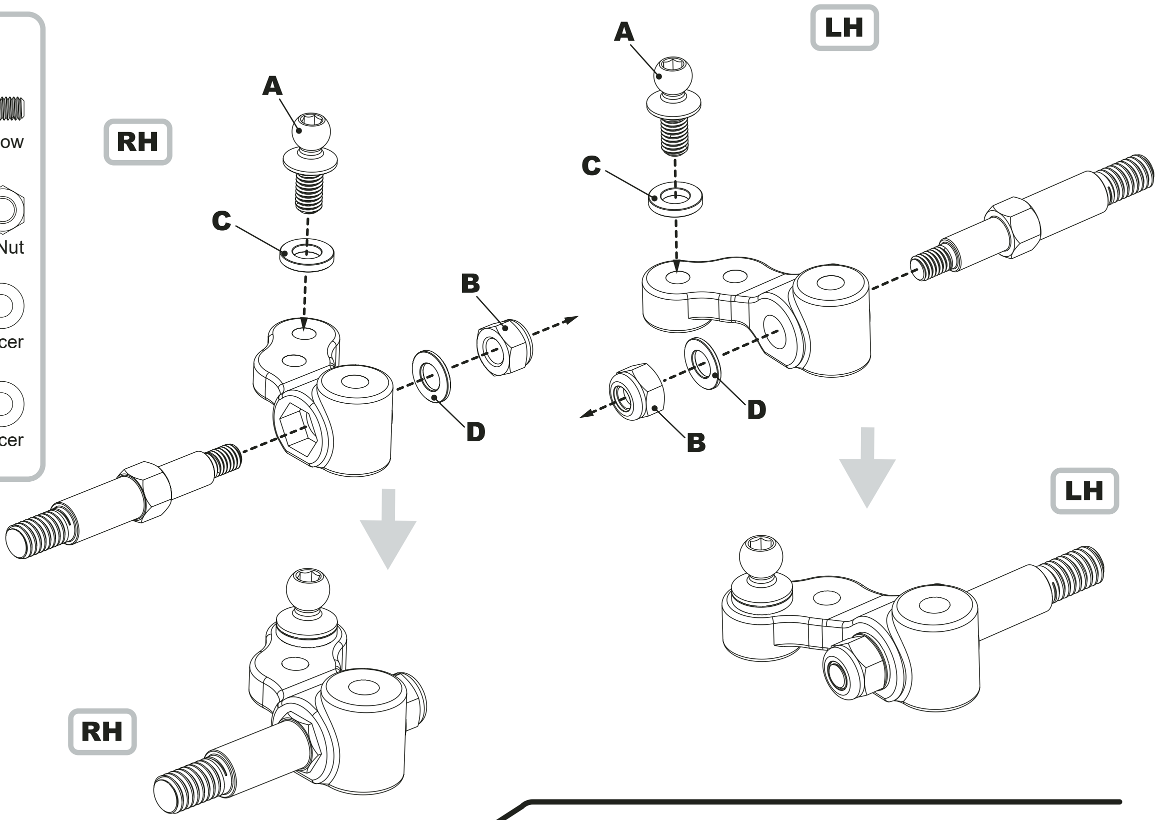
Step 10

A x2 Short Ball Stud Low

B x2 M3 Nyloc Nut

C x2 Black 1.0mm Spacer

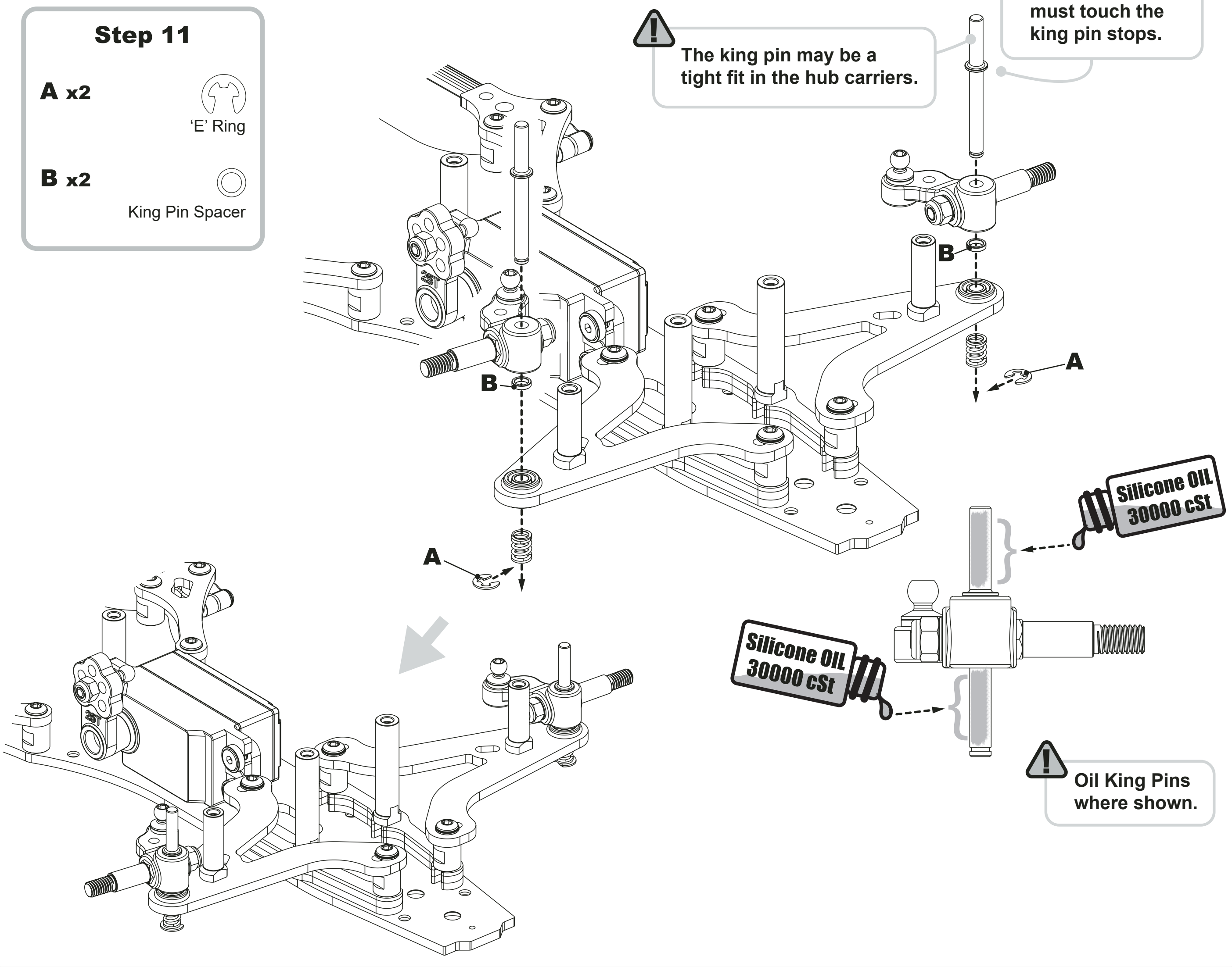
D x2 Black 0.5mm Spacer



Step 11

A x2 'E' Ring

B x2 King Pin Spacer



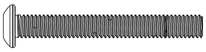
The king pin may be a tight fit in the hub carriers.

The hub carriers must touch the king pin stops.

Oil King Pins where shown.

Step 12

A x1

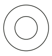


M3x 25 Button Hd Screw

B x2

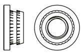
'O' Ring 6mm

C x1



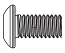
Black 4mm Spacer

D x4



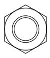
M3 Thread Insert

E x1



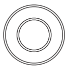
M3x 6 Button Hd Screw

F x1



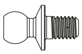
M3 Nyloc Nut

G x2

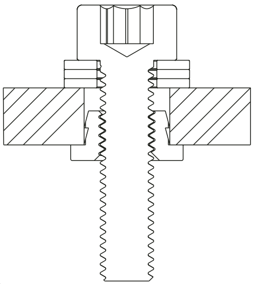


4 x 8 x 3 Bearing

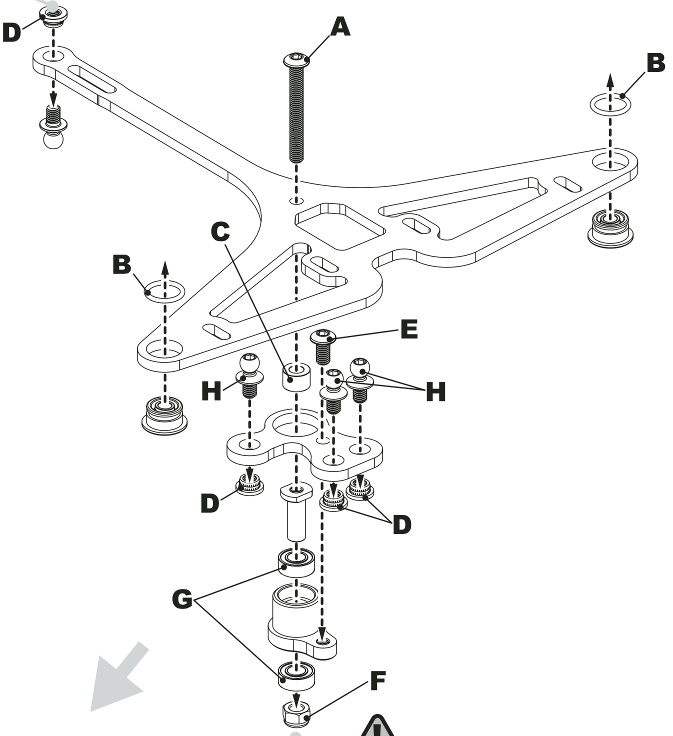
H x4



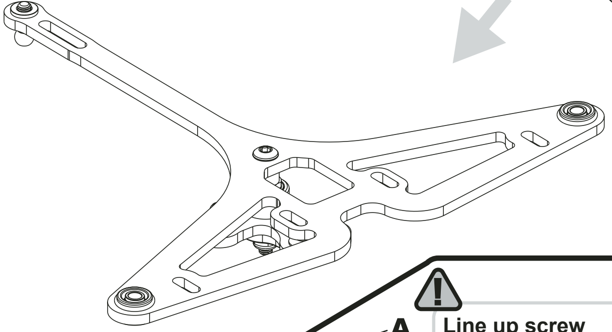
Ultra Short Ball Stud Low



Use the M3x12 Cap head screw and washers to fit the inserts.Tighten the screw until the M3 thread inserts **D** is pulled into the carbon fibre part as shown.

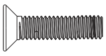


Adjust for minimum clearance, with no drag. Do NOT overtighten.



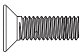
Step 13

A x1



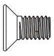
M3x 14 Csk Hd Screw

B x4



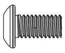
M3x 10 Csk Hd Screw

C x2



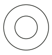
M3x 6 Csk Hd Screw

D x2



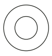
M3x 6 Button Hd Screw

E x1



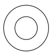
Black 4mm Spacer

F x1



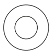
Black 1mm Spacer

G x2



Black 0.75mm Spacer

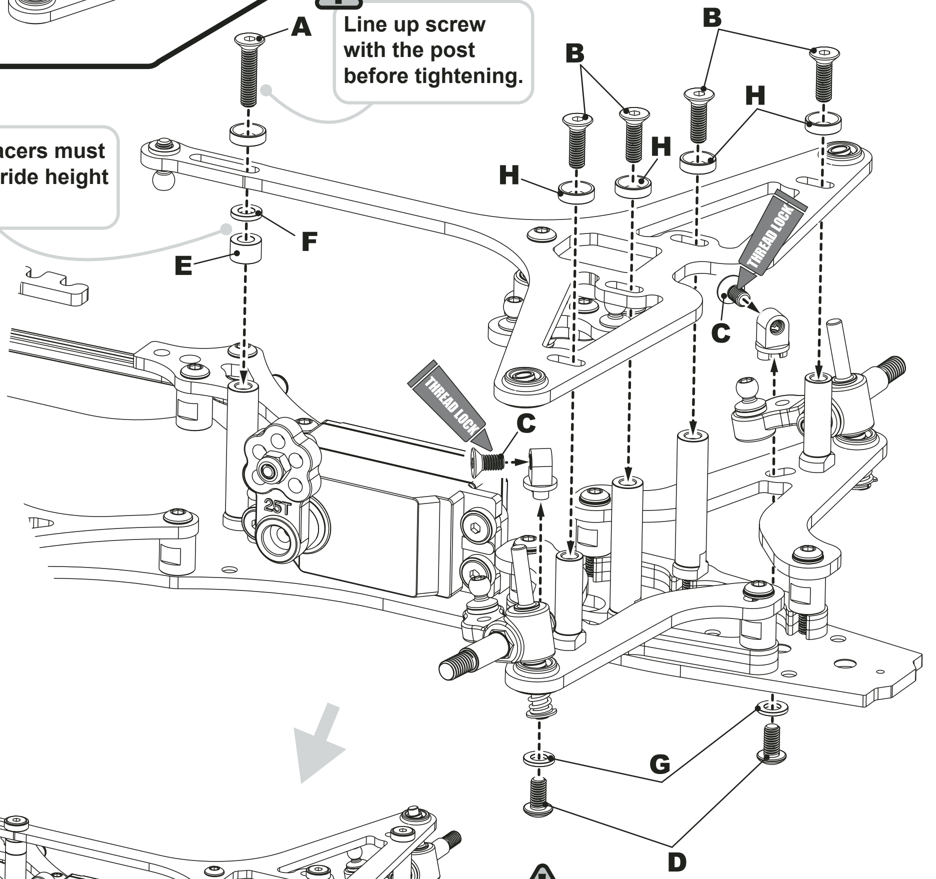
H x5

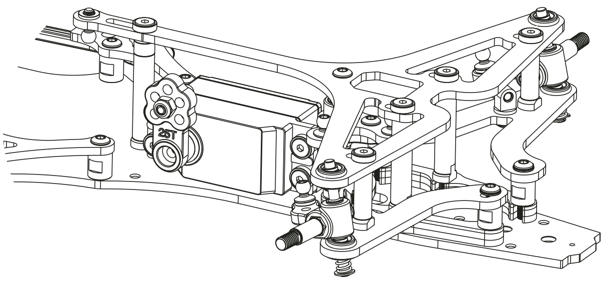


Black Csk Washer

Line up screw with the post before tightening.

These spacers must equal the ride height spacers.

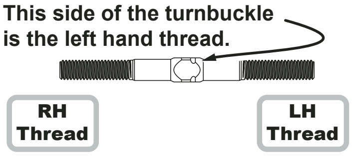


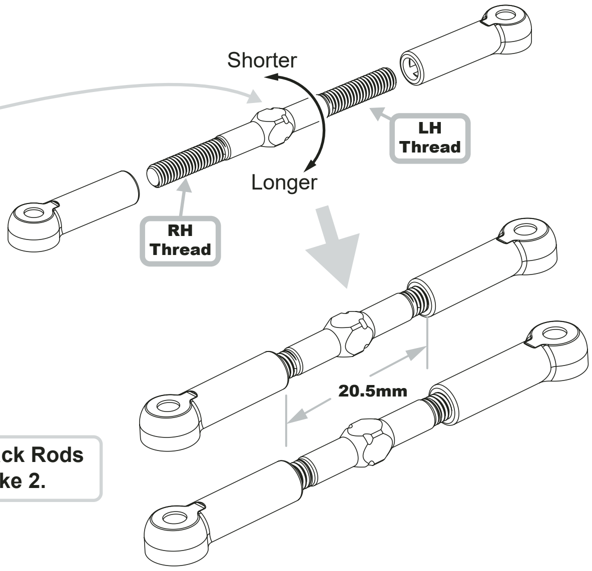


Moving the camber strap forwards and rearwards adjusts the caster angle. For more information on caster angle see car settings page 19.

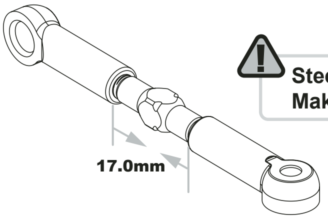
Step 14

Note the ID mark on the turnbuckle. This side of the turnbuckle is the left hand thread.





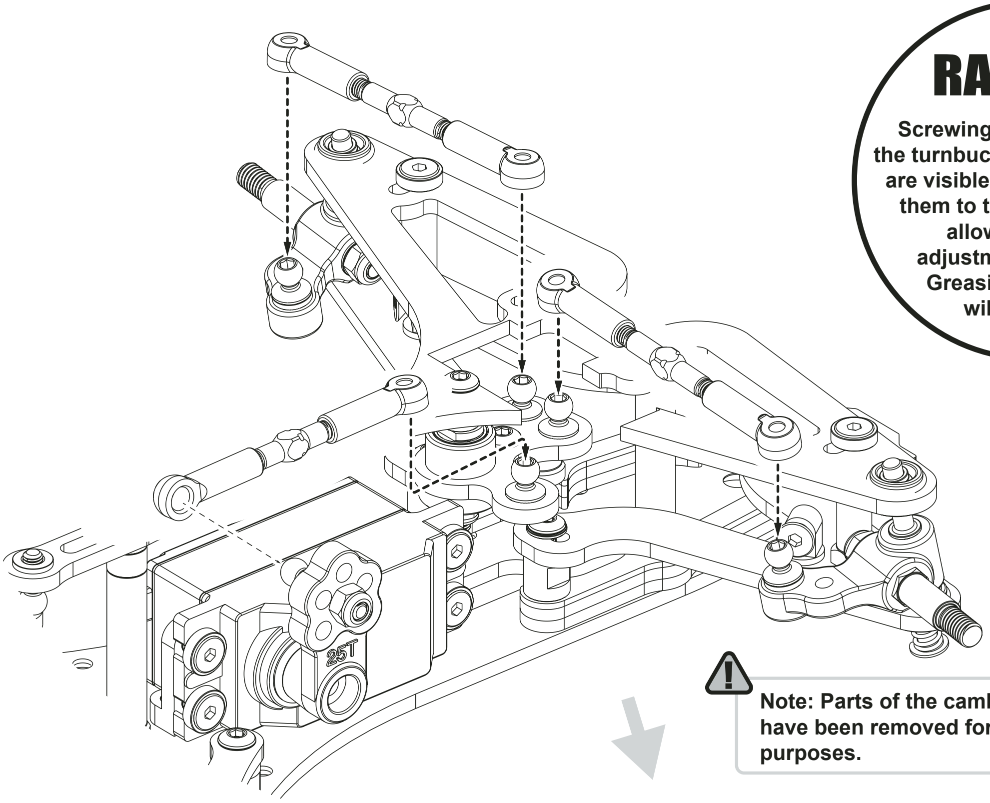
Track Rods Make 2.



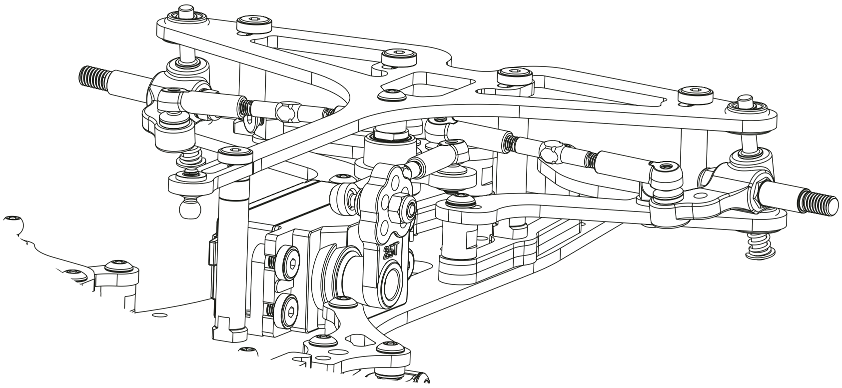
Steering Link. Make 1.

RACE TIP

Screwing the sockets onto the turnbuckle, until no threads are visible, and then undoing them to the desired length allows for easier adjustment on the car. Greasing the threads will also help.



Note: Parts of the camber strap image have been removed for illustration purposes.



Step 15

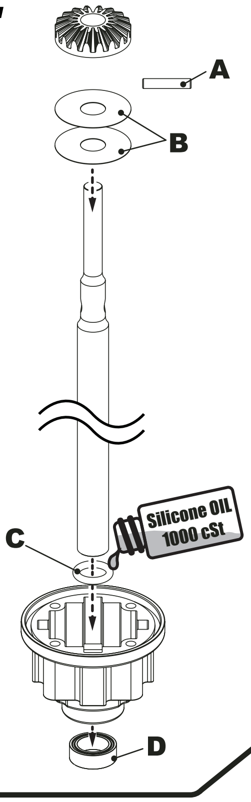
A x1 ø2.0 x 9.8mm Pin

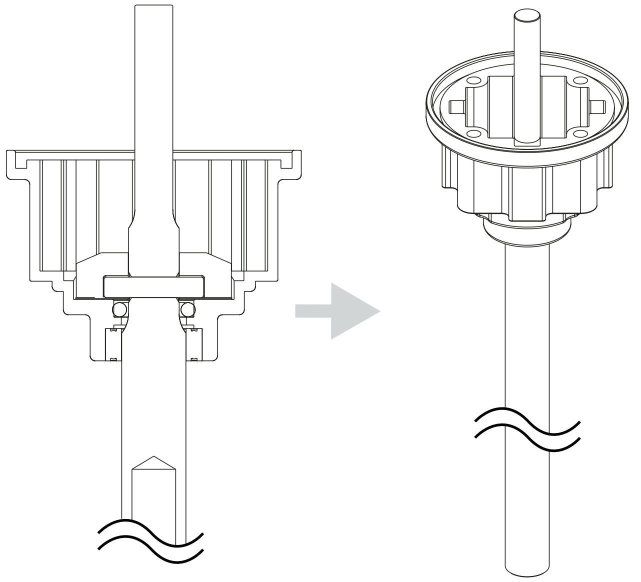
B x2 Diff Gear Shim

C x1 'O' Ring 5mm

D x1 ø1/4" x ø3/8" Bearing

⚠ Use a small amount of oil to hold the components in place during assembly.



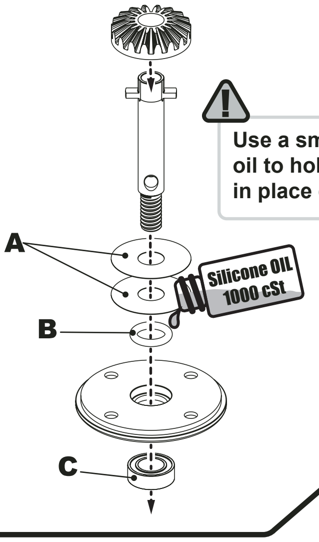


Step 16

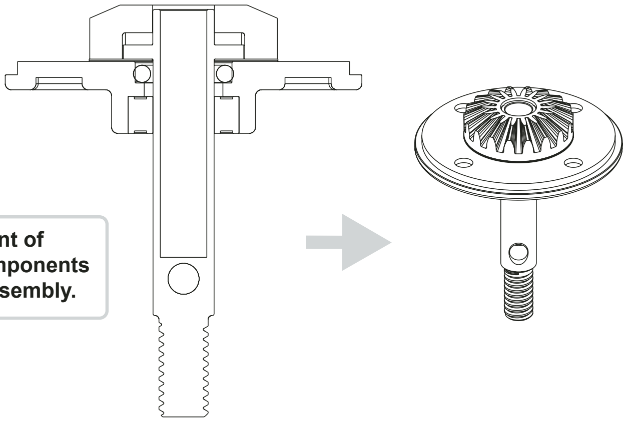
A x2 Diff Gear Shim

B x1 'O' Ring 5mm

C x1 5 x 9x 3 Bearing



⚠ Use a small amount of oil to hold the components in place during assembly.

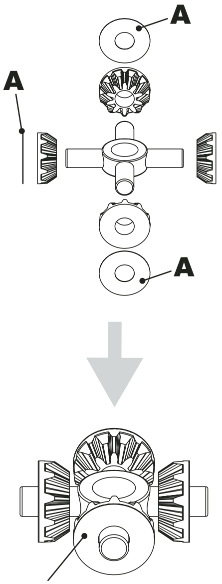


Step 17

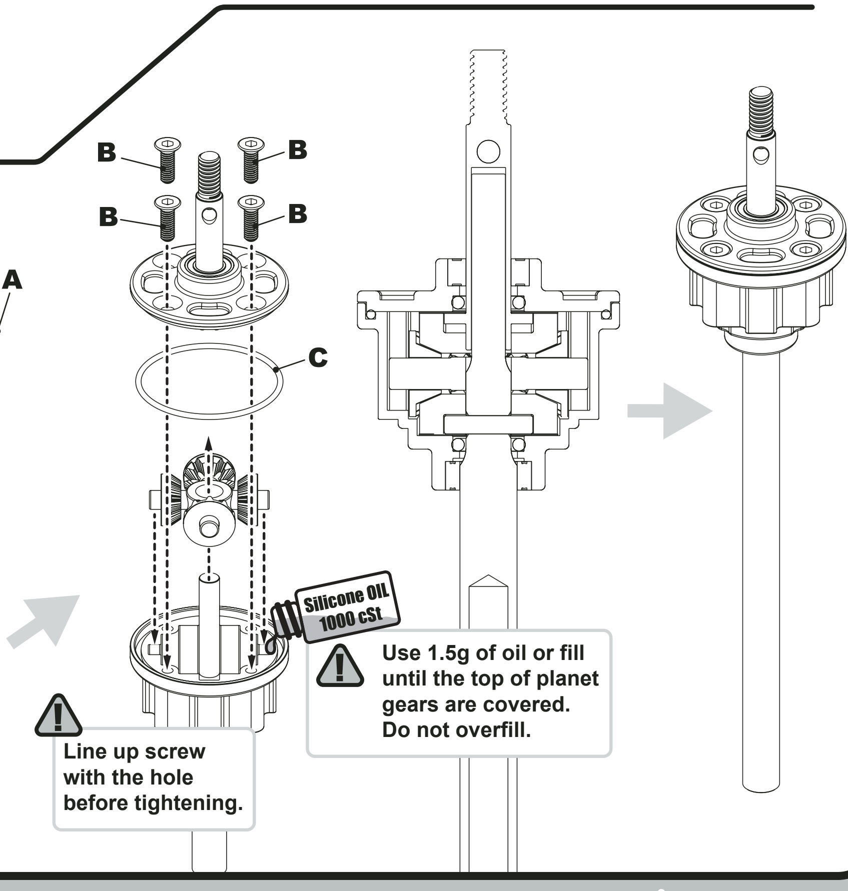
A x4 Bevel Gear Shim

B x4 M2.5x 8 Csk Screw

C x1 'O' Ring 25mm



Planet gears.



⚠ Line up screw with the hole before tightening.

⚠ Use 1.5g of oil or fill until the top of planet gears are covered. Do not overfill.

Step 18

A x4 M2.5x 6 Button Hd Screw

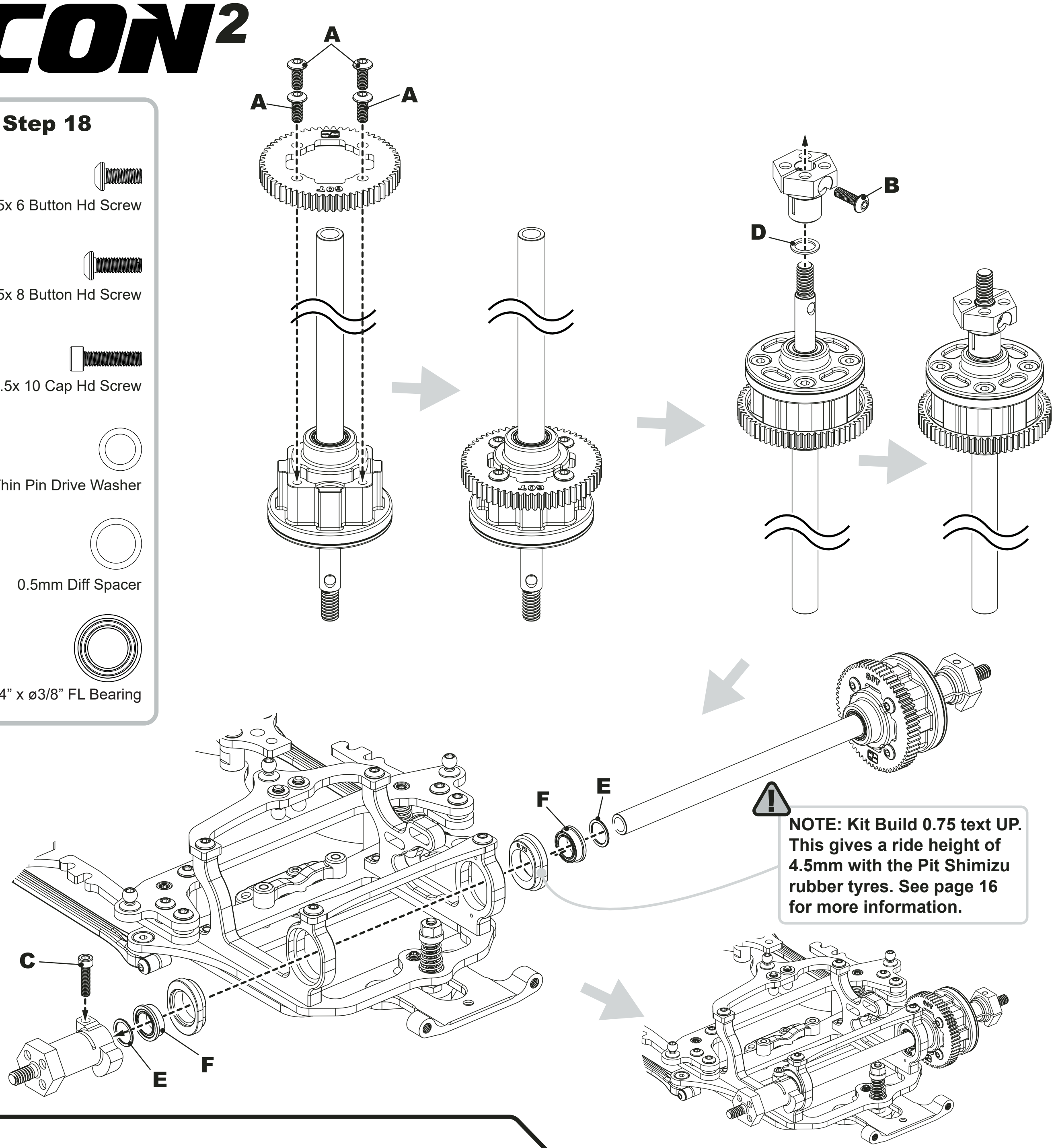
B x1 M2.5x 8 Button Hd Screw

C x1 M2.5x 10 Cap Hd Screw

D x1 Thin Pin Drive Washer

E x2 0.5mm Diff Spacer

F x2 ø1/4” x ø3/8” FL Bearing

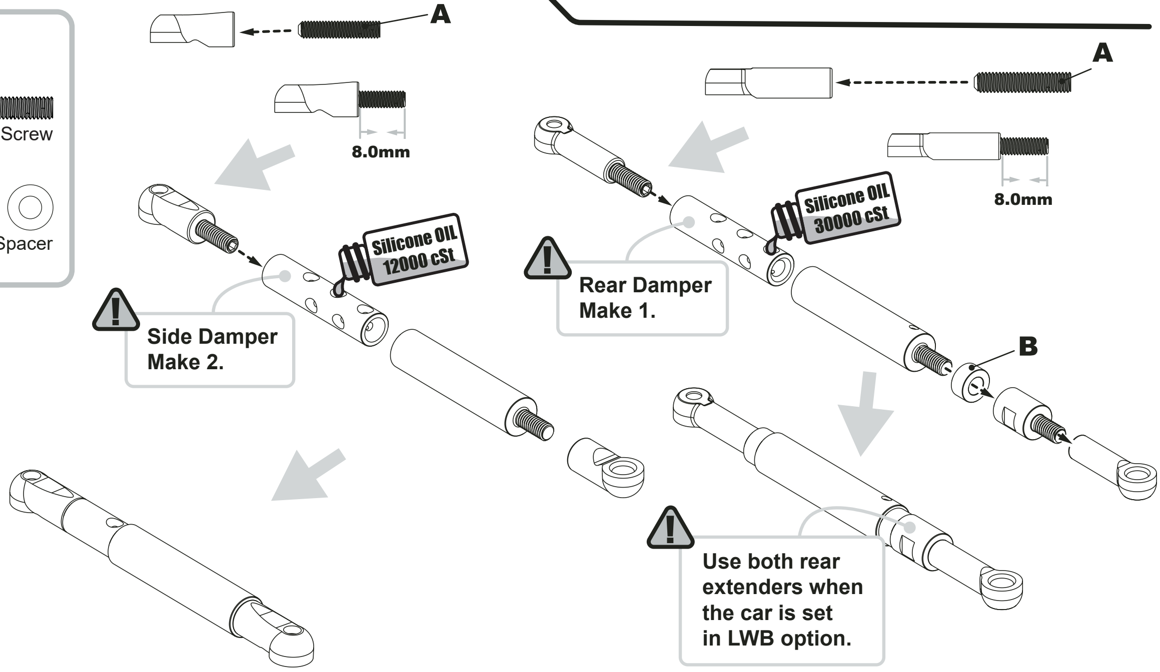


NOTE: Kit Build 0.75 text UP. This gives a ride height of 4.5mm with the Pit Shimizu rubber tyres. See page 16 for more information.

Step 19a

A x3 M3x 14 Grub Screw

B x1 Black 3.0mm Spacer

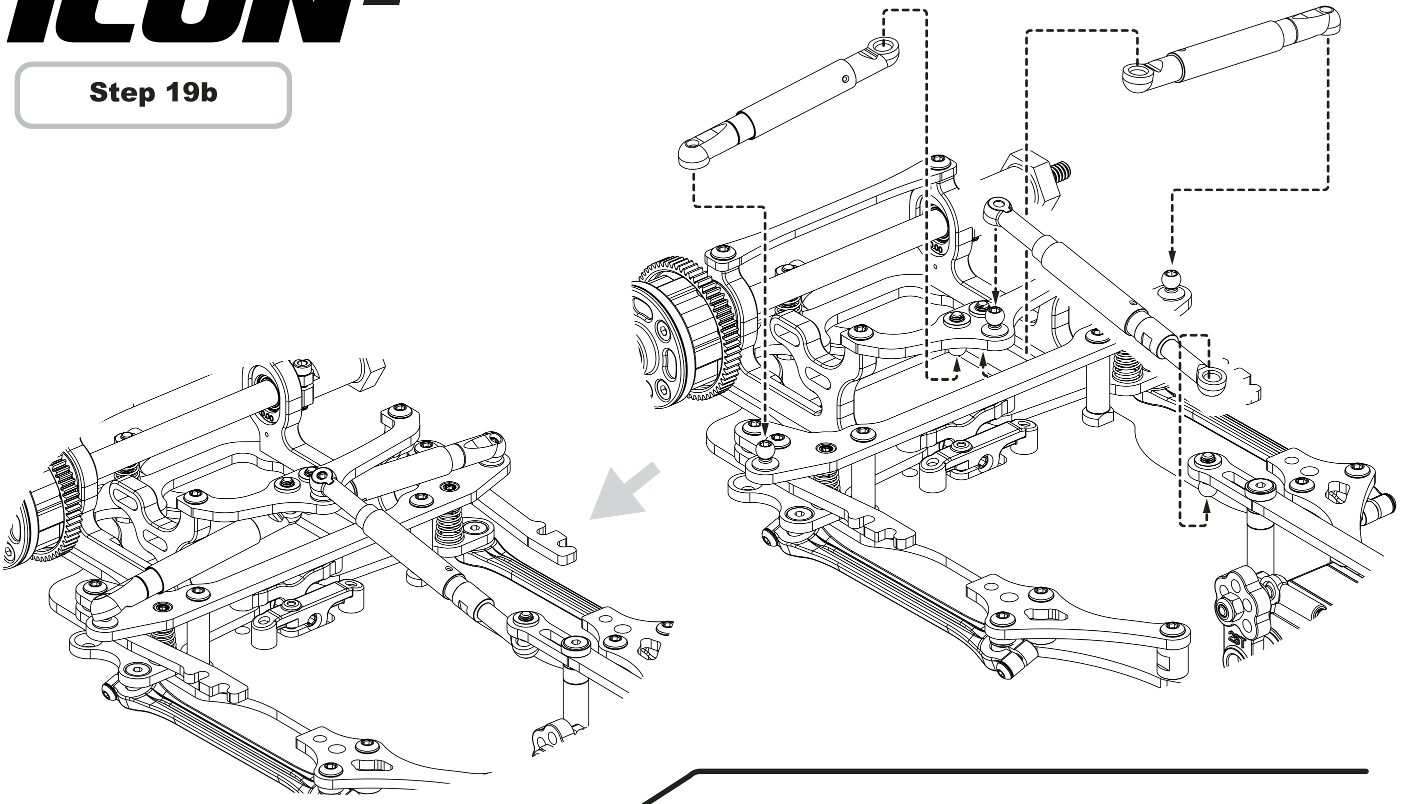


Side Damper Make 2.

Rear Damper Make 1.

Use both rear extenders when the car is set in LWB option.

Step 19b

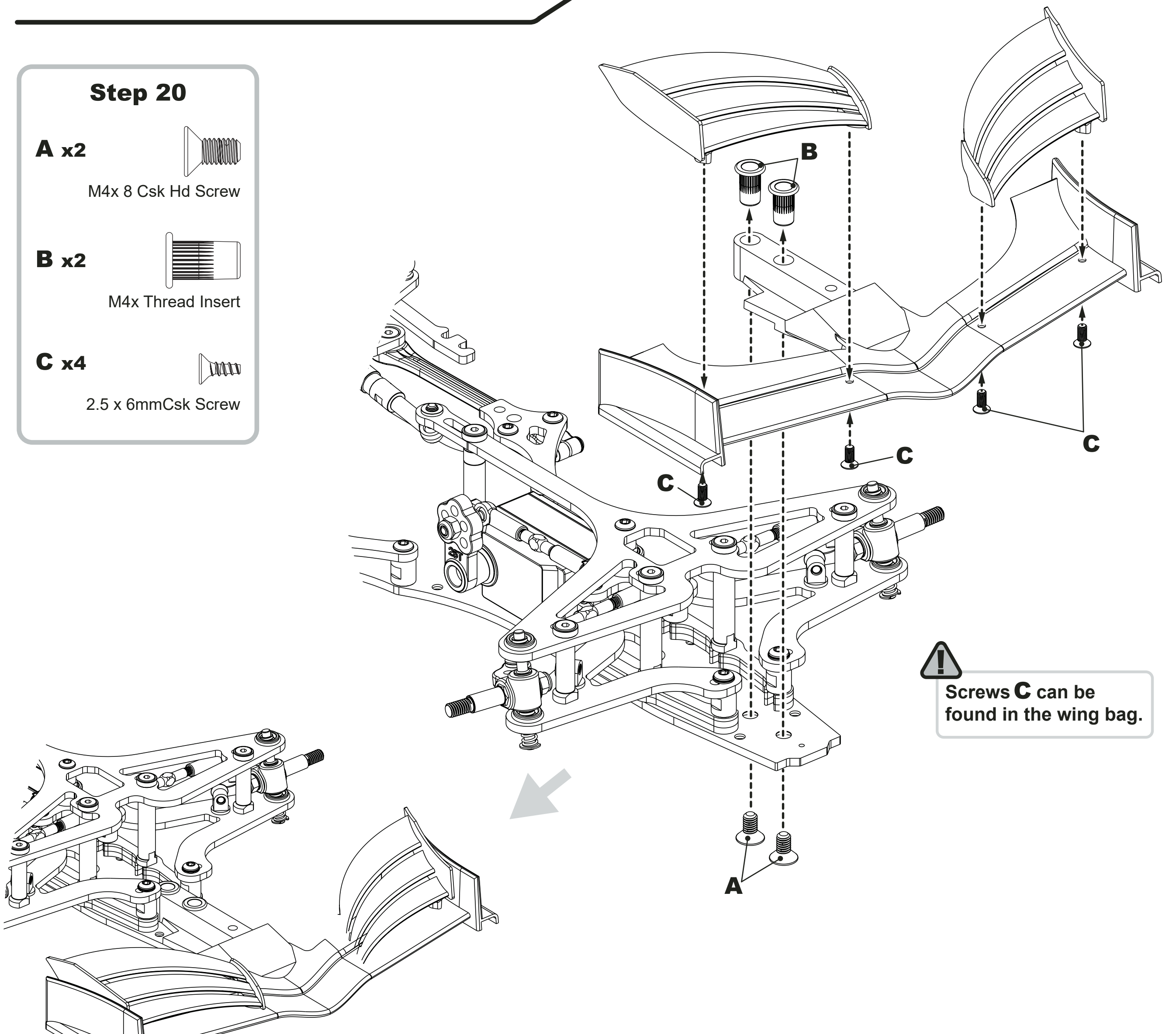


Step 20

A x2 M4x 8 Csk Hd Screw

B x2 M4x Thread Insert

C x4 2.5 x 6mmCsk Screw



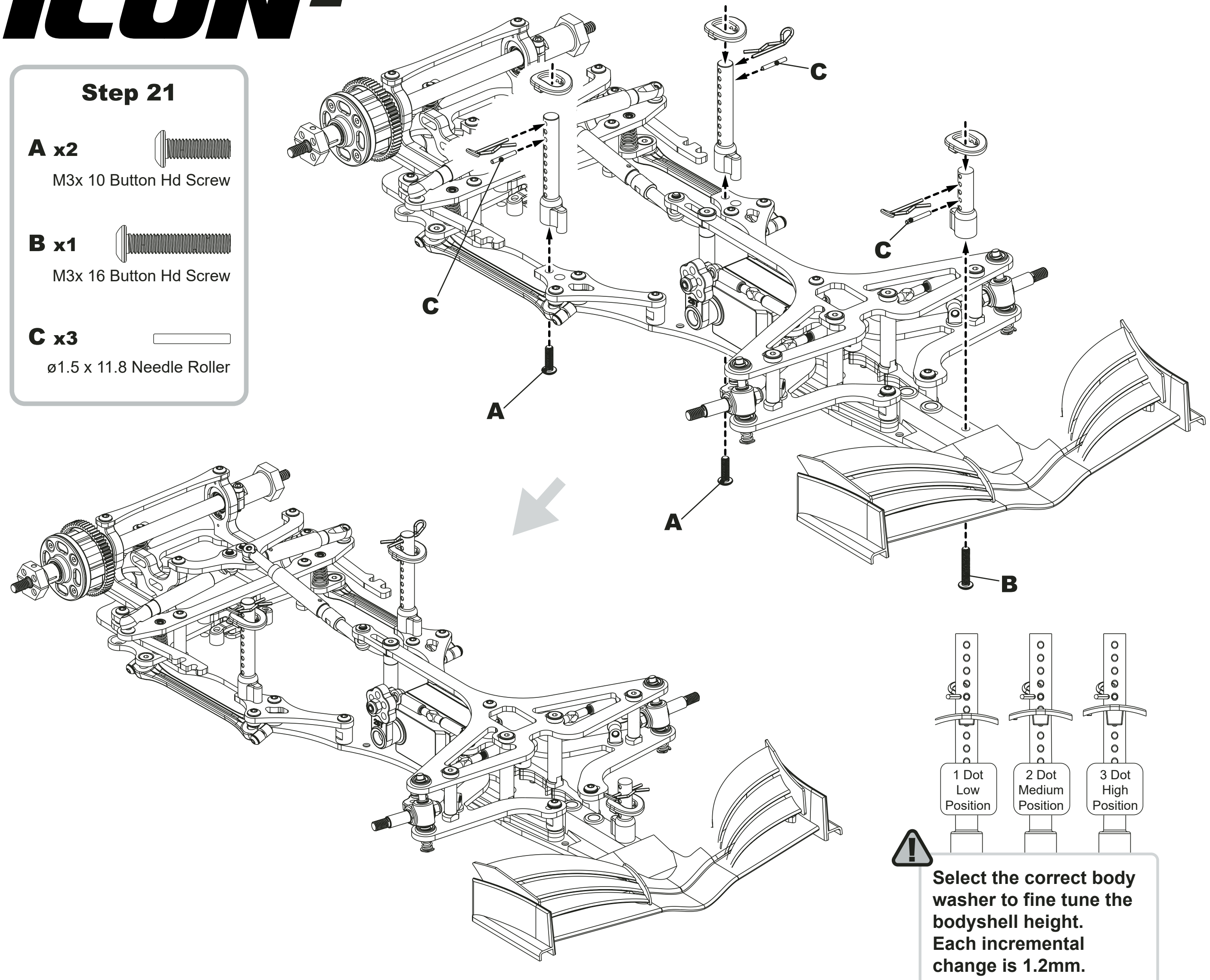
Screws **C** can be found in the wing bag.

Step 21

A x2 M3x 10 Button Hd Screw

B x1 M3x 16 Button Hd Screw

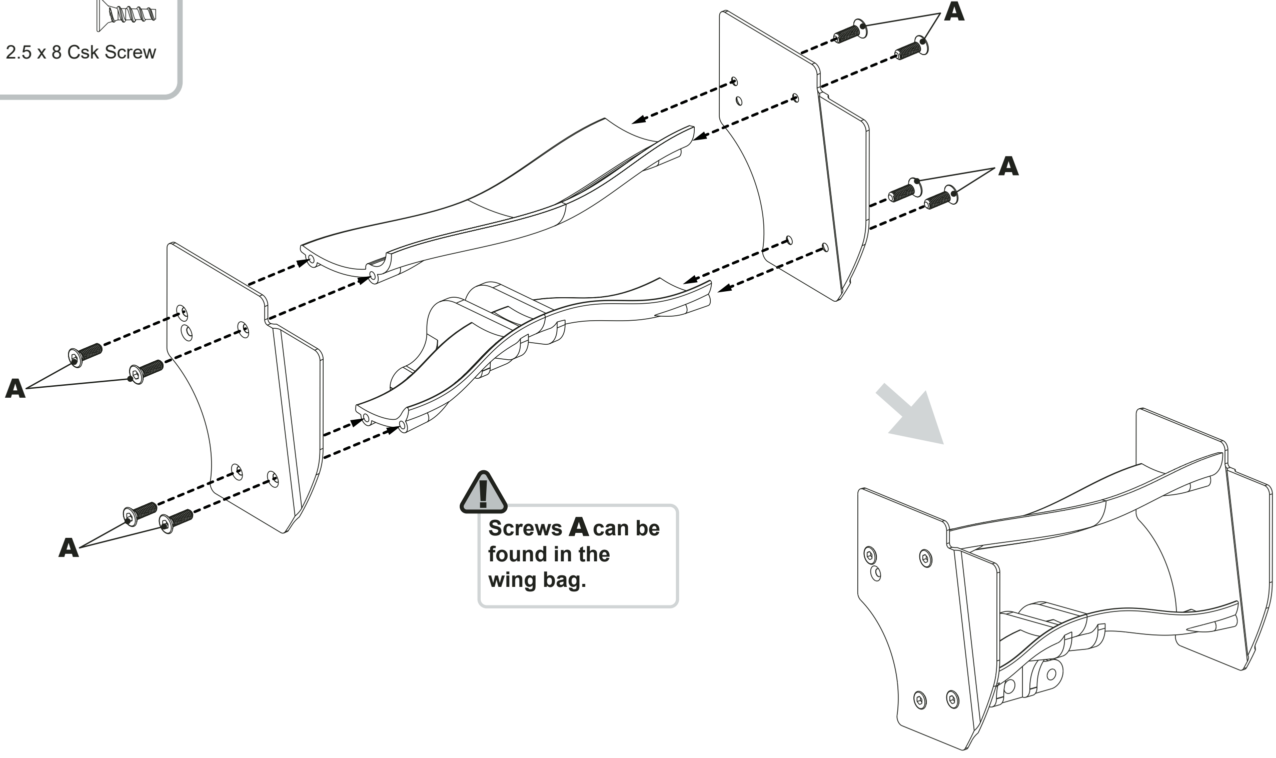
C x3 ø1.5 x 11.8 Needle Roller



⚠ **Select the correct body washer to fine tune the bodyshell height. Each incremental change is 1.2mm.**

Step 22a

A x8 2.5 x 8 Csk Screw



⚠ **Screws A can be found in the wing bag.**

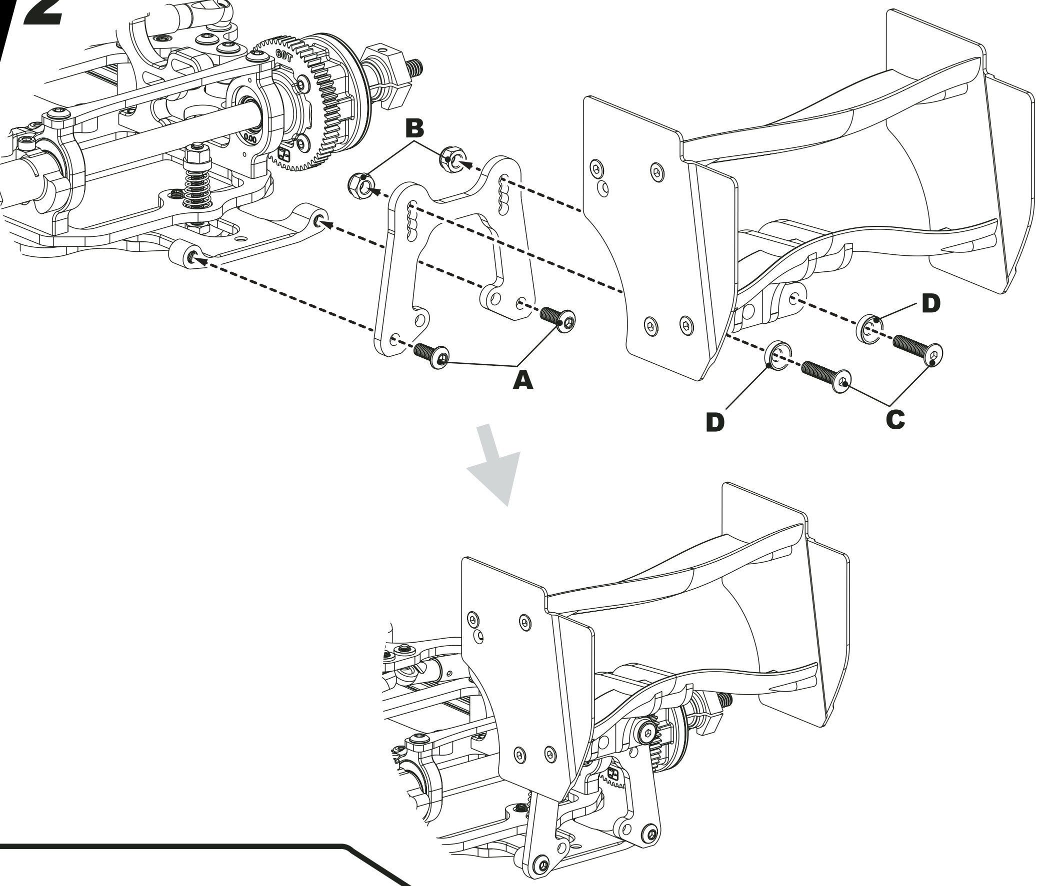
Step 22b

A x2 M3x 8 Button Hd Screw

B x2 M3 Nyloc Nut

C x2 M3x 14 Csk Hd Screw

D x2 M3 Csk Washer



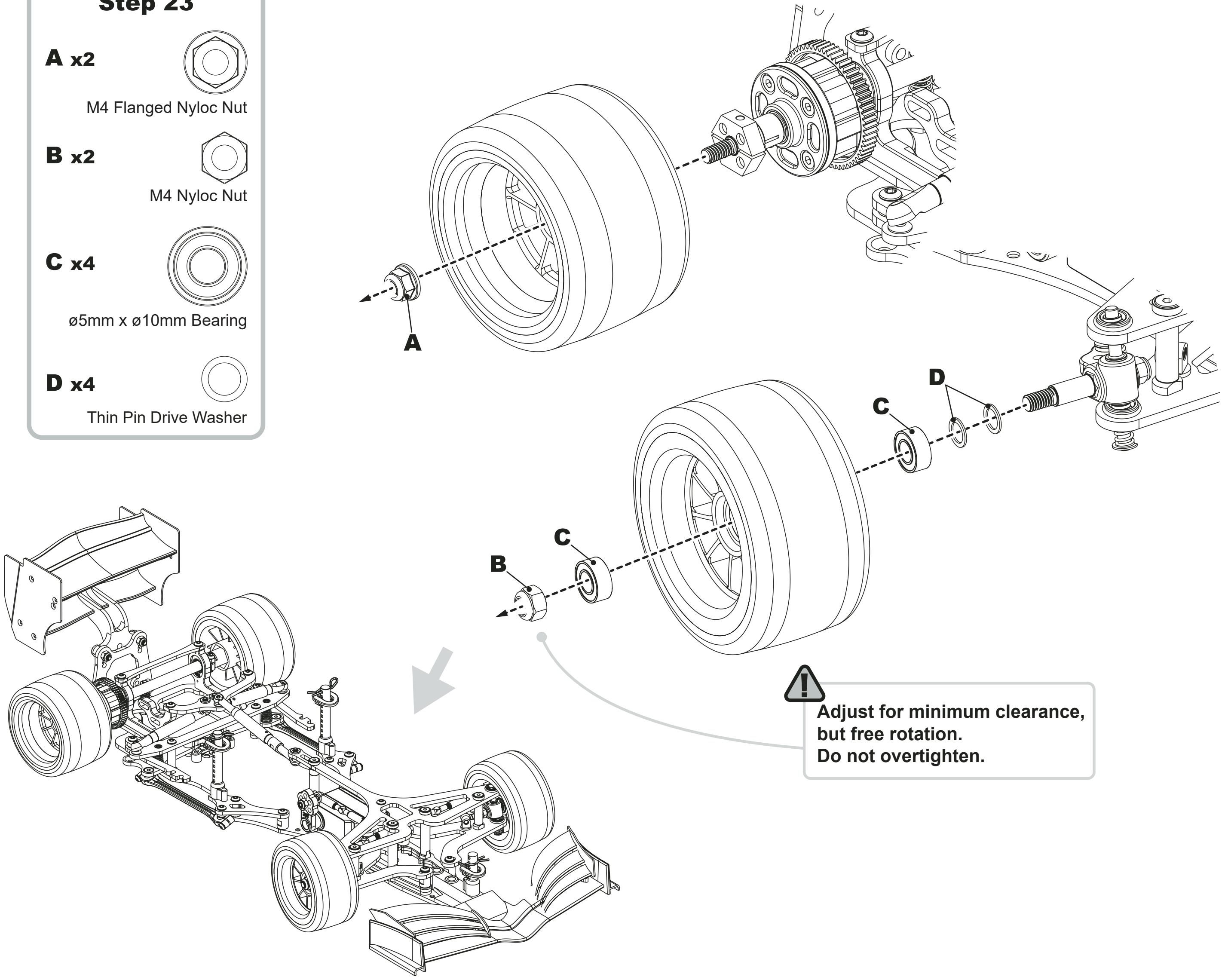
Step 23

A x2 M4 Flanged Nyloc Nut

B x2 M4 Nyloc Nut

C x4 ø5mm x ø10mm Bearing

D x4 Thin Pin Drive Washer



Adjust for minimum clearance, but free rotation.
Do not overtighten.

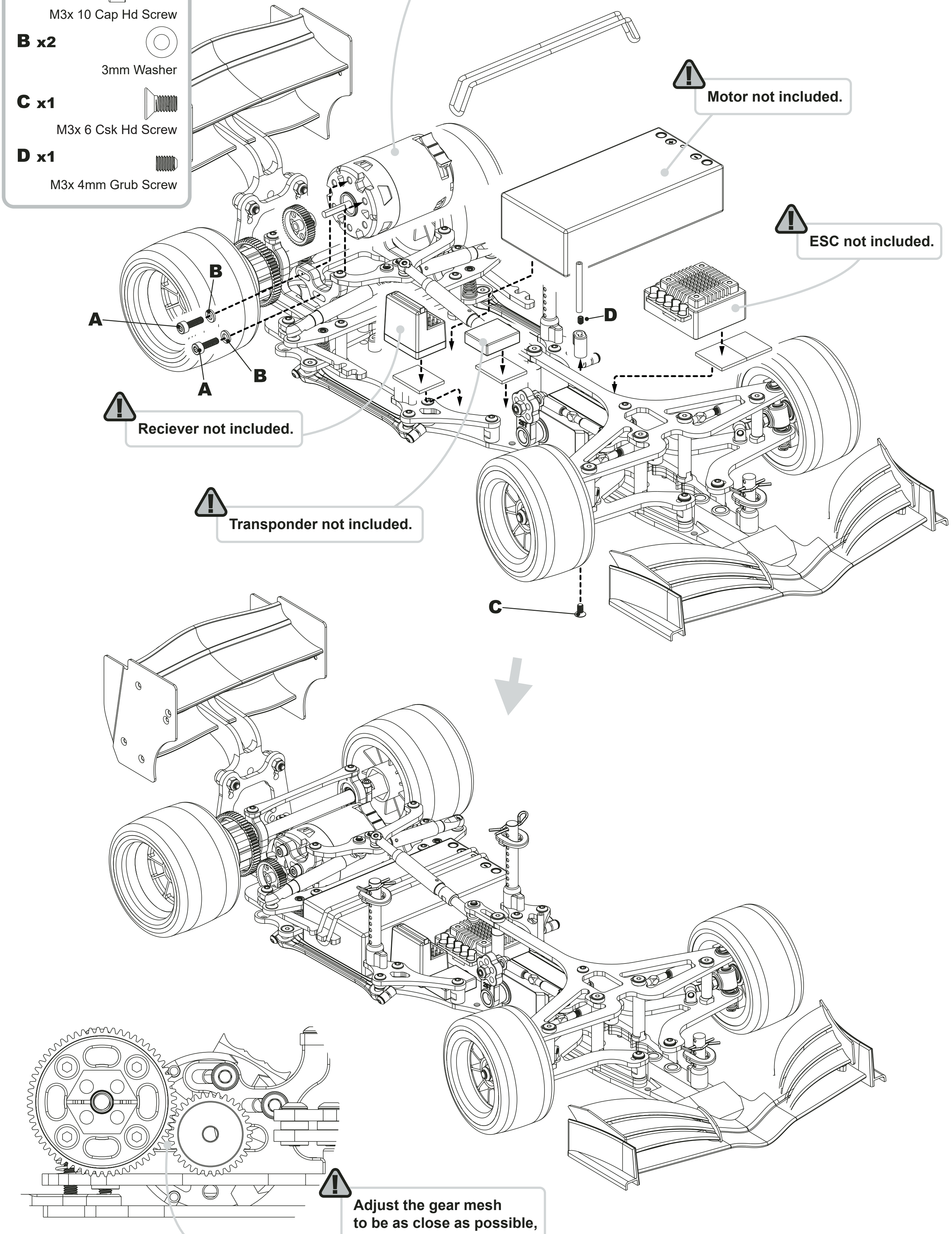
Step 24

A x2 M3x 10 Cap Hd Screw

B x2 3mm Washer

C x1 M3x 6 Csk Hd Screw

D x1 M3x 4mm Grub Screw



Motor & pinion not included.

Motor not included.

ESC not included.

Reciever not included.

Transponder not included.

Adjust the gear mesh to be as close as possible, without binding.

ICON^2

TRACK SETTINGS

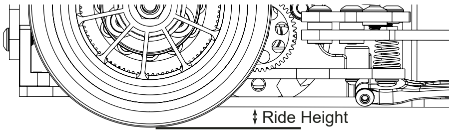
RIDE HEIGHT

See Page 6 & 11 - Step 8 & 18

Front Ride Height is adjusted by adding/removing spacers under the wishbones. Removing spacers increases the ride height, adding spacers reduces the ride height.

Rear Ride Height is adjusted by changing the eccentric on the rear axle. The greater the bearing offset towards the bottom of the eccentric, the higher the ride height. The greater the bearing offset towards the top of the eccentric, the lower the ride height.In general always run the car as low as possible, without the chassis grounding out.

A good starting point is 4.5mm front, 5.0mm rear.



DAMPING

See Page 11 - Step 19a

Roll Damping

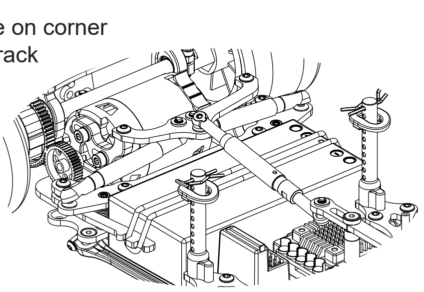
Thicker roll damping oil slows the weight transfer of the rear and makes the car easier to drive on corner entry. Rear stability in the middle of the corner may be lower. Thicker oil can also help if the track surface is bumpy and there are issues with bumps in the middle of the corner.

A good range is between 10,000cSt and 50,000cSt

Bump Damping

Thicker bump damping oil slows the weight transfer of the rear and makes the car easier to drive when coming off power. Thicker oil can help if the track surface is bumpy and there are issues with bumps when the car is moving in a straight line.

A good range is between 15,000cSt and 100,000cSt



GEAR RATIO

See Page 11 - Step 18 & Page 15 - Step 24

Gear Chart 48DP

Maximum Tooth Sum = 102T
Minimum Tooth Sum = 80T

Spur

Pinion

48dp	60	64	66	68	69	72	74	76	80	84
15			4.40	4.53	4.60	4.80	4.93	5.07	5.33	5.60
16		4.00	4.13	4.25	4.31	4.50	4.63	4.75	5.00	5.25
17		3.76	3.88	4.00	4.06	4.24	4.35	4.47	4.71	4.94
18		3.56	3.67	3.78	3.83	4.00	4.11	4.22	4.44	4.67
19		3.37	3.47	3.58	3.63	3.79	3.89	4.00	4.21	
20	3.00	3.20	3.30	3.40	0.18	3.60	3.70	3.80	4.00	
21	2.86	3.05	3.14	3.24	3.29	3.43	3.52	3.62	3.81	
22	2.73	2.91	3.00	3.09	3.14	3.27	3.36	3.45	3.64	
23	2.61	2.78	2.87	2.96	3.00	3.13	3.22	3.30		
24	2.50	2.67	2.75	2.83	2.88	3.00	3.08	3.17		
25	2.40	2.56	2.64	2.72	2.76	2.88	2.96	3.04		
26	2.31	2.46	2.54	2.62	2.65	2.77	2.85	2.92		
27	2.22	2.37	2.44	2.52	2.56	2.67	2.74			
28	2.14	2.29	2.36	2.43	2.46	2.57	2.64			
29	2.07	2.21	2.28	2.34	2.38	2.48				
30	2.00	2.13	2.20	2.27	2.30	2.40				
31	1.94	2.06	2.13	2.19	2.23					
32	1.88	2.00	2.06	2.13	2.16					
33	1.82	1.94	2.00	2.06	2.09					
34	1.76	1.88	1.94	2.00						
35	1.71	1.83	1.89							
36	1.67	1.78	1.83							
37	1.62	1.73								
38	1.58	1.68								
39	1.54									
40	1.50									
41	1.46									
42	1.43									

Gear Chart 64DP

Maximum Tooth Sum = 136T
Minimum Tooth Sum = 107T

Spur

Pinion

64dp	64	72	74	76	78	80	82	86	88	90	94	98	102	106	110
18										5.00	5.22	5.44	5.67	5.58	6.11
19									4.63	4.74	4.95	5.16	5.37	5.30	5.79
20									4.40	4.50	4.70	4.90	5.10	5.05	5.50
21								4.10	4.19	4.29	4.48	4.67	4.86	4.82	5.24
22								3.91	4.00	4.09	4.27	4.45	4.64	4.61	5.00
23								3.74	3.83	3.91	4.09	4.26	4.43	4.42	4.78
24								3.58	3.67	3.75	3.92	4.08	4.25	4.24	4.58
25							3.28	3.44	3.52	3.60	3.76	3.92	4.08	4.08	4.40
26							3.15	3.31	3.38	3.46	3.62	3.77	3.92	3.93	4.23
27						2.96	3.04	3.19	3.26	3.33	3.48	3.63	3.78	3.79	
28						2.86	2.93	3.07	3.14	3.21	3.36	3.50	3.64	3.66	
29					2.69	2.76	2.83	2.97	3.03	3.10	3.24	3.38	3.52	3.53	
30					2.60	2.67	2.73	2.87	2.93	3.00	3.13	3.27	3.40	3.53	
31				2.45	2.52	2.58	2.65	2.77	2.84	2.90	3.03	3.16	3.29		
32				2.38	2.44	2.50	2.56	2.69	2.75	2.81	2.94	3.06	3.19		
33			2.24	2.30	2.36	2.42	2.48	2.61	2.67	2.73	2.85	2.97	3.09		
34			2.18	2.24	2.29	2.35	2.41	2.53	2.59	2.65	2.76	2.88	3.00		
35		2.06	2.11	2.17	2.23	2.29	2.34	2.46	2.51	2.57	2.69	2.80			
36		2.00	2.06	2.11	2.17	2.22	2.28	2.39	2.44	2.50	2.61	2.72			
37		1.95	2.00	2.05	2.11	2.16	2.22	2.32	2.38	2.43	2.54	2.65			
38		1.89	1.95	2.00	2.05	2.11	2.16	2.26	2.32	2.37	2.47	2.58			
39		1.85	1.90	1.95	2.00	2.05	2.10	2.21	2.26	2.31	2.41				
40		1.80	1.85	1.90	1.95	2.00	2.05	2.15	2.20	2.25	2.35				
41		1.76	1.80	1.85	1.90	1.95	2.00	2.10	2.15	2.20	2.29				
42		1.71	1.76	1.81	1.86	1.90	1.95	2.05	2.10	2.14	2.24				
43	1.49	1.67	1.72	1.77	1.81	1.86	1.91	2.00	2.05	2.09					
44	1.45	1.64	1.68	1.73	1.77	1.82	1.86	1.95	2.00	2.05					
45	1.42	1.60	1.64	1.69	1.73	1.78	1.82	1.91	1.96	2.00					
46	1.39	1.57	1.61	1.65	1.70	1.74	1.78	1.87	1.91	1.96					
47	1.36	1.53	1.57	1.62	1.66	1.70	1.74	1.83	1.87						
48	1.33	1.50	1.54	1.58	1.63	1.67	1.71	1.79	1.83						
49	1.31	1.47	1.51	1.55	1.59	1.63	1.67	1.76							
50	1.28	1.44	1.48	1.52	1.56	1.60	1.64	1.72							
51	1.25	1.41	1.45	1.49	1.53	1.57	1.61								
52	1.23	1.38	1.42	1.46	1.50	1.54	1.58								
53	1.21	1.36	1.40	1.43	1.47	1.51	1.55								
54	1.19	1.33	1.37	1.41	1.44	1.48	1.52								
55	1.16	1.31	1.35	1.38	1.42	1.45									
56	1.14	1.29	1.32	1.36	1.39	1.43									
57	1.12	1.26	1.30	1.33	1.37										
58	1.10	1.24	1.28	1.31	1.34										
59	1.08	1.22	1.25	1.29											
60	1.07	1.20	1.23	1.27											
61	1.05	1.18	1.21												
62	1.03	1.16	1.19												
63	1.02	1.14													

$$\text{Calculating FDR} = \frac{\text{Spur}}{\text{Pinion}}$$

$$\text{Calculating Pinion} = \frac{\text{Spur}}{\text{FDR}}$$

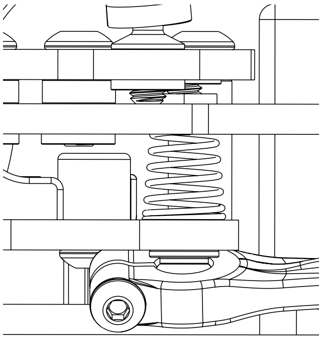
Calculating Spur = FDR X Pinion

ROLL SPRING

See Page 4 - Step 6a

Roll springs are used to control the car’s balance. A softer spring will generally give an easier to drive car, however, if too soft, corner entry stability will be compromised. Stiffer roll springs can be used to give a more aggressive steering car. The standard setting has the roll springs uncompressed and both just touching the lower pod plate when the car is stationary. Screwing them downward and compressing the springs creates more steering while loosening them gives an easier to drive car.

Adjusting the springs allows the tweak to be infinitely adjusted. Ensure they are not set too unevenly. If more than 0.5mm different, further investigation is required.

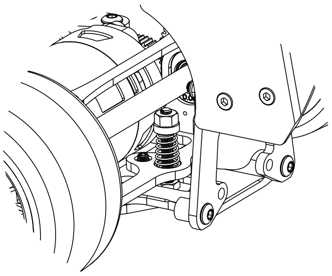


BUMP SPRING

See Page 4 - Step 5

This spring is used to set the pod angle. Adjust the spring tension so that the pod is horizontal when the car is on a flat surface. This gives the kit setting with zero anti-squat or pro-squat.

A harder bump spring can give less initial steering. A softer bump spring will give a more aggressive car entering the corner, more rear grip in the corner and improve the cars bump handling ability.



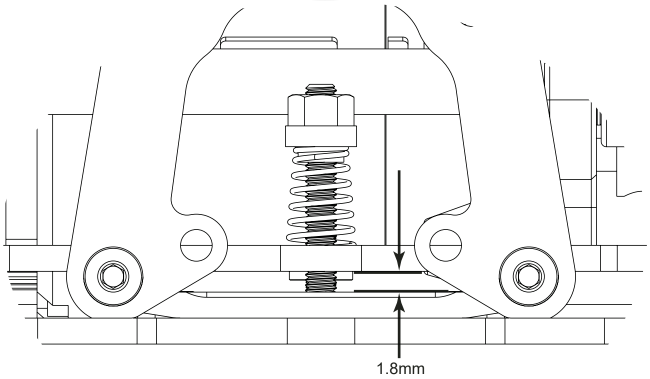
ANTI-SQUAT

See Page 4 - Step 5

If the bump spring is screwed down further, the pod will no longer be horizontal. Angled down at the rear is Anti-squat. If the spring is unscrewed from horizontal, the pod will be angled forwards. This is Pro-squat.

Anti-squat resists the weight transfer in the rear under power. This will increase on power steering. Typically anti-squat may be used but pro-squat is rarely useful.
Setting Anti-Squat can be done by setting this dimension using digital calipers.

1.8mm = 0° Anti-squat. A smaller dimension = More Anti-Squat.



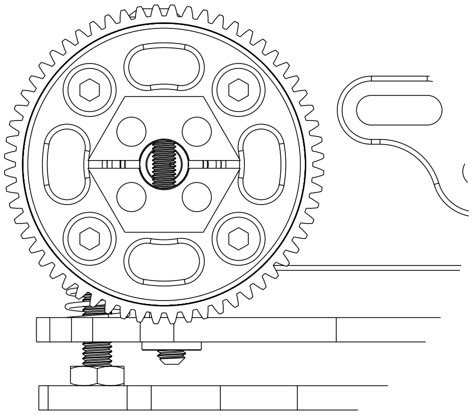
REAR DROOP

See Page 3 - Step 4

Rear droop adjusts the balance of the cars handling. Less droop makes the car more aggressive, squaring up the turns. More droop gives less corner rotation but an easier to drive car. More droop also improves the car’s bump handling.

Start with 1mm of droop.

To set this, start with the droop screw backed out and screw in to reduce droop.
Measure this by measuring the car’s rear ride height, then take all the weight off the car by lifting from the rear of the centre damper tube (the wheels must still just be touching the floor). Measure the chassis from the floor in this position and subtract the ride height to calculate the droop.

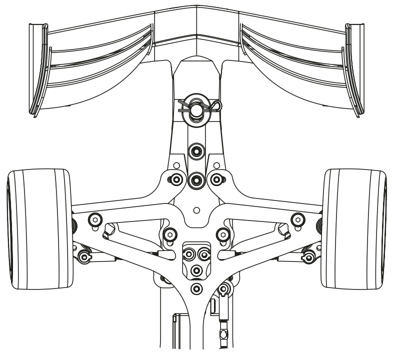


WHEELBASE

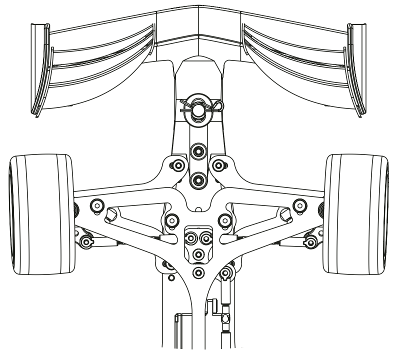
See Page 6 - Step 8

The icon has the option to adjust the front wheelbase by moving the front end assembly.
A shorter wheelbase will give the car more steering but will be more unstable, especially at high speed.
A longer wheelbase will make the car more stable at high speed but will have less steering in the hairpins.

Kit wheelbase (short)



+7mm wheelbase (long)



ROLL CENTRE ADJUSTMENT (Option Parts Required)

See Page 2 - Step 2 & Page 3 - Step 4

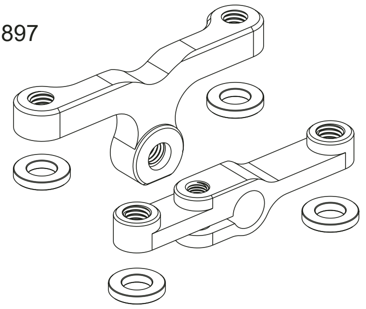
When using the alloy speed secret pivot parts (U7918 and U7919) the roll centre can be adjusted by adding or removing spacers from below the alloy pivot mount and alloy pivot block.

Lowering the roll centre (removing spacers) will give the car more grip and increase chassis roll.

Raising the roll centre (adding spacers) will increase steering by making the car rotate more from the rear.

The alloy pivot mount and block need a 1mm spacer in order to maintain kit roll centre. MUST have equal spacers beneath both parts.

Racers Tip: Using U7897 1mm Alloy Pivot Spacer can make this adjustment much easier. Please note: These must both be inserted from the front side.

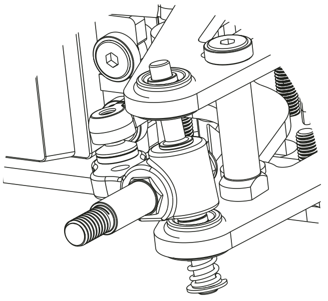


FRONT SPRINGS

See Page 7 - Step 11

Softer springs will ride the bumps better and generally allow the car to roll more which can increase steering, especially in the middle of the corner.

Harder springs make the car more responsive and are more suitable for high grip tracks. They will generally increase initial steering but improve mid corner stability.



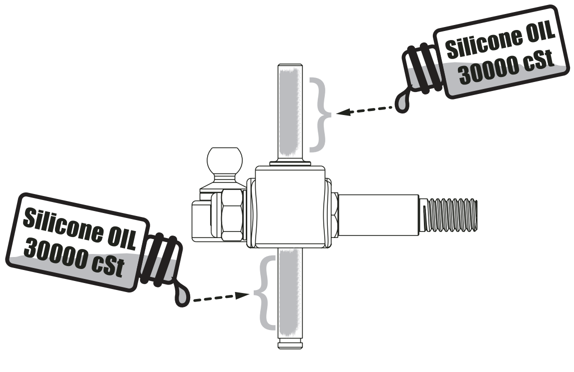
FRONT DAMPING

See Page 7 - Step 11

Front damping can be used to tune the car depending on the track traction levels.

Thicker oil on the kingpin generally always gives a less responsive, easier to drive car. Too thick oil on the kingpin may lead to a ‘lazy’ feeling car which lacks corner speed.

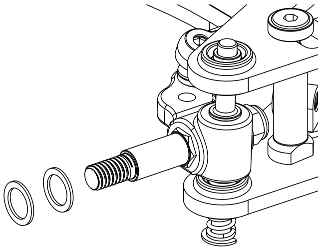
We suggest a wide range of possibilities here starting from 12,000cSt - 50,000cSt



FRONT TRACK WIDTH

See Page 14 - Step 23

Wider front track width will make the car easier to drive, provide less steering and give a slower response.
Narrower front track width will make the car harder to drive, provide more steering and give a faster response.
Using the option part U8123 and U8358 camber strap allows for a track width 6mm narrower when paired with the outer holes on the wishbones.
Using a 3mm wide bearing on the inside of the wheel can reduce the track width by 2mm.
U4726 (Pro) or U7326 (Kit type)

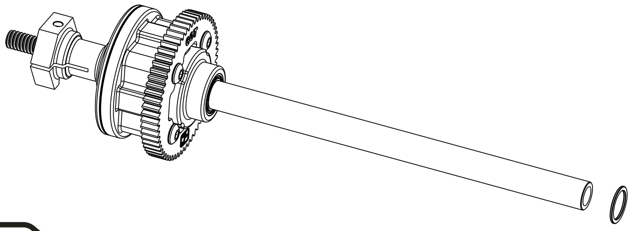


REAR TRACK WIDTH

See Page 11 - Step 18

Wider rear track width provides increased rear grip and an easier to drive car.
Narrower rear track width increases corner speed and steering making the car harder to drive.

Kit rear width has a 0.5mm spacer on both sides.
Remove or add spacers to suit (equally both sides).

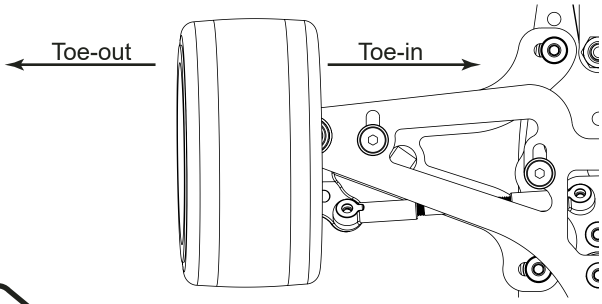


TOE OUT

See Page 9 - Step 14

Parallel front wheels or a slight Toe-out (up to 1 degree per side) is our suggested setting range.

Toe-out gives more initial steering. It does however make the car more difficult to drive on the straight, due to increased responsiveness.

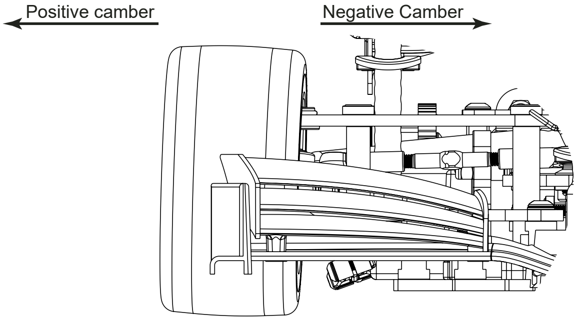


CAMBER

See Page 8 - Step 12

Increasing the negative camber angle will increase the car’s steering. This will make the car more difficult to drive, but often faster on a lap.
Reducing the negative camber angle is a good setting change if traction roll is a problem.

Option part U8124 camber strap Offers 1.5° camber where as the kit setting is 2°.
Option part U8123 camber strap Offers 2.0° camber with a narrower track.
Option part U8358 camber strap Offers 1.5° camber with a narrower track.



CASTER

See Page 8 - Step 13

Increasing the caster angle will give slightly smoother turn in, but generally more steering.
By measuring X you can calculate the caster using the below tables. A 0.40mm shift is 1° of caster.

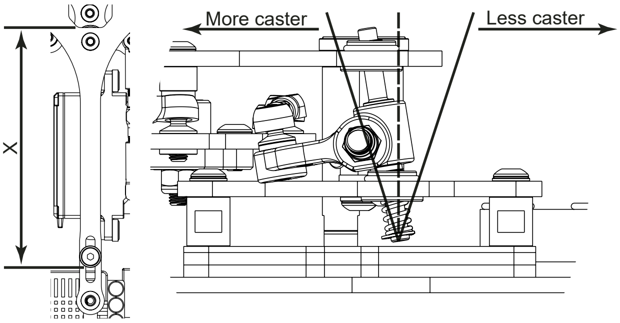
Long Wheelbase

x mm	caster
83.9	0°
83.5	2°
82.7	4°
81.9	6°
81.1	8°
80.3	10°
79.5	12°

Short Wheelbase

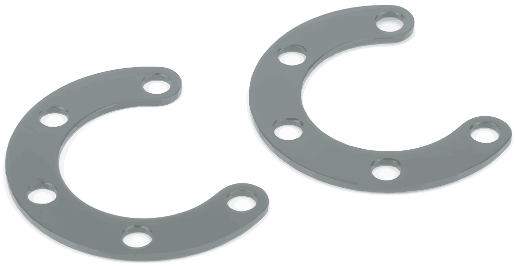
x mm	caster
76.9	0°
76.5	2°
75.7	4°
74.9	6°
74.1	8°
73.3	10°
72.5	12°

‘X’ is measured from the C/F face as shown to the rear side of the csk washer.



ICON^2

U1954	Pro - Thrust Bearing
U4811	"1/8"" Silicone Nitride Ball (pk12)"



CR664	Alloy Motor Spacer - 1mm - pk2

CR280	Ti Pro Ball Studs - Short - (pr)
U7828	Titanium Ball Stud Low (Ultra Short) (pk4)

AX009	Aerox Alloy Servo Arm - Short 25T Futaba
AX010	Aerox Alloy Servo Arm - Short 23T KO/Sanwa
CR192	Alloy Servo Arm 25T - Futaba Short
CR193	Alloy Servo Arm 23T - KO/Sanwa Short

CR024	CORE RC - Serrated M4 Steel Wheel Nut pk4
CR035	CORE RC - Serrated Alloy M4 Nuts; Blue pk 4
CR036	CORE RC - Serrated Alloy M4 Nuts; Violet pk 4
CR196	CORE RC - Serrated Alloy M4 Nuts - Black - pk4
CR304	Titanium Wheel Nuts M4 - pk4
U2135	M4 Nyloc Wheel Nut - Purple Alloy (pk4)
U2810	M4 Nyloc Wheel Nut - Red Alloy (pk4)
U2811	M4 Nyloc Wheel Nut - Blue Alloy (pk4)
U2812	M4 Nyloc Wheel Nut - Black Alloy (pk4)

U8341	Gear Diff Spur Gear 60T 48dp - Icon 2
U8355	Gear Diff Spur Gear 88T 64dp - Icon 2
U8356	Gear Diff Spur Gear 80T 64dp - Icon 2
U8357	Gear Diff Spur Gear 64T 48dp - Icon 2

U4328	Impact Servo Saver
U4329	Impact Servo Saver Mouldings
U4330	Impact Servo Saver Springs

AM648068	Super Diff Gear 48P 68T
AM648072	Super Diff Gear 48P 72T
AM648074	Super Diff Gear 48P 74T
AM648076	Super Diff Gear 48P 76T
AM648080	Super Diff Gear 48P 80T
AM648084	Super Diff Gear 48P 84T
AM664070	Super Diff Gear 64P 70T
AM664074	Super Diff Gear 64P 74T
AM664078	Super Diff Gear 64P 78T
AM664080	Super Diff Gear 64P 80T
AM664082	Super Diff Gear 64P 82T
AM664086	Super Diff Gear 64P 86T
AM664090	Super Diff Gear 64P 90T
AM664094	Super Diff Gear 64P 94T
AM664098	Super Diff Gear 64P 98T
AM664102	Super Diff Gear 64P 102T
AM664106	Super Diff Gear 64P 106T
AM664110	Super Diff Gear 64P 110T
CR507	Kimbrough - Spur Gear 94T - 64DP - #229
CR508	Kimbrough - Precision Gear 64T-48DP-#300
CR510	Kimbrough - Spur Gear 66T - 48DP - #301
CR511	Kimbrough - Spur Gear 69T - 48DP - #150
CR512	Kimbrough - Spur Gear 72T - 48DP - #143
CR513	Kimbrough - Spur Gear 78T - 64DP - #202
CR515	Kimbrough - Spur Gear 76T - 64DP - #199
CRW48060	Diff Spur 48DP - 60T - for Diff or Spool Axle

CR310	Alloy Csk Hex Screws M3 x 6 pk10
CR311	Alloy Csk Hex Screws M3 x 8 pk10
CR312	Alloy Csk Hex Screws M3 x 10 pk10
CR313	Alloy Csk Hex Screws M3 x 12 pk10
CR314	Alloy Button Head Hex Screws M3 x 6 pk10
CR315	Alloy Button Head Hex Screws M3 x 8 pk10
CR316	Alloy Button Head Hex Screws M3 x 10 pk10
CR320	Titanium Csk Hex Screws M3 x 6 pk10
CR321	Titanium Csk Hex Screws M3 x 8 pk10
CR322	Titanium Csk Hex Screws M3 x 10 pk10
CR323	Titanium Csk Hex Screws M3 x 12 pk10
CR327	Titanium Button Head Hex Screws M3 x 6 pk10
CR328	Titanium Button Head Hex Screws M3 x 8 pk10
CR329	Titanium Button Head Hex Screws M3 x 10 pk10

U8353 C/F Gear Diff Axle - Icon 2

U3582 Precision Balance Pivot Set

U4946 Pro Ball Bearing 5 x 10 x 4 sealed - pr
U7690 Pro Ball Bearings 1/4 x 3/8 x 1/8 Fl Shielded
U7730 Pro-Ball Bearing 4x8x3 Sealed - (pr)

U7897 Alloy Pivot Spacer 1mm - Atom 2 (pr)
U7918 Alloy Pivot Mount - Atom 2
U7919 Alloy Pivot Block - Atom 2

U7774 M3 Alloy Washer Black 1.5 mm (pk10)

U8065 M3 Alloy Thread Inserts - pk8

U7825 Titanium Pivot Ball 5.5mm Low (pr)

U8123 C/F Camber Strap -6mm width 2deg - Icon
U8124 C/F Camber Strap 1.5deg - Icon
U8358 C/F Camber Strap -6mm width 1.5deg - Icon

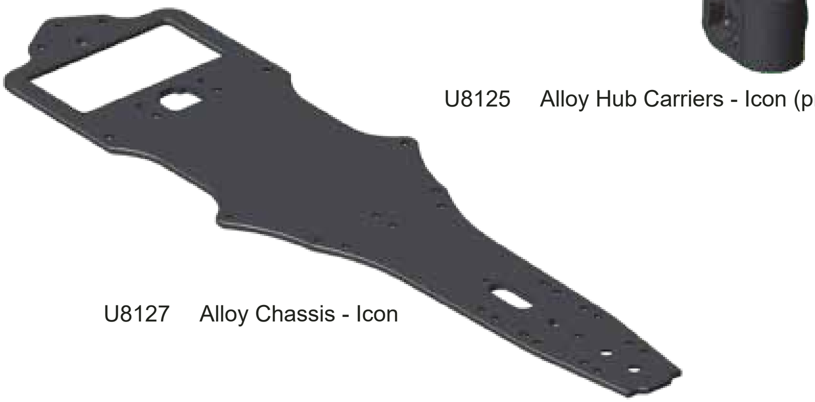
U7943 Alloy Spacer Clip 0.5mm (pk4)
U7944 Alloy Spacer Clip 0.75mm (pk4)

U8121 Alloy Ride Height Spacer 0.75mm - Icon (pr)
U8122 Alloy Ride Height Spacer 0.50mm - Icon (pr)

U8186 Ball Diff Set - Icon

U8125 Alloy Hub Carriers - Icon (pr)

U8126 Mass Damper Shaft
U8128 Mass Damper Weight 23g
U8129 Mass Damper Weight 12g
U8130 Front Spring Red Dot - Eclipse 3 (pr)
U8131 Front Spring Green Dot - Eclipse 3 (pr)
U8137 Mass Damper Set



U8127 Alloy Chassis - Icon

SPARES LISTS

Bearings & Balls

U1439	Ball Bearing - 5x9x3 Shield - (pr)
U2148	Ball Bearing - 5x10x4 Shield - (pr)
U3075	Ball Bearing - 4x8x3mm Red Seal - (pr)
U4809	Ball Bearing - 1/4x3/8x1/8 Shield - (pr)
U4980	Ball Bearing - 1/4x3/8x1/8 Flanged Yellow - (pr)

Bodies & Decals

MT011003	Montech F1 Electric Car 1/10 F2011 Body
MT013012	Montech F1 Electric Car 1/10 F13 Body
MT015006	Montech Wing F1 Front Black
MT015007	Montech Wing F1 Rear Black
MT015008	Montech Wing F1 Rear White
MT015009	Montech Wing F1 Front White
MT017003	Montech F1 Car Body - F17
MT017006	Montech F1 2017 Front Wing Black
MT017007	Montech F1 2017 Front Wing White
MT018009	Montech F18 F1 Body
TRG5015	TRG F1 1/10 Driver Helmet
TRG5016	TRG Front Wing (Black/F103 & F104)
TRG5017	TRG Rear Wing (Black/F103 & F104)
TRG5026	TRG Front Wing (White/F103 & F104)
TRG5027	TRG Rear Wing (White/F103 & F104)
TRG5060	Advance Front Wing - Black - F103-F104
TRG5061	Advance Front Wing - White - F103-F104
TRG5062	Advance Rear Wing - Black - F103-F104
TRG5063	Advance Rear Wing - White - F103-F104
TRG5064	TRG F1 1/10 Driver Helmet 08
U8135	Decals - Icon

Chassis Parts

U119	Aerial Tube - Pack 4
U4327	Alloy Servo Mount Black-Icon
U4627	Chassis Post Long - SS GT,A1,A2,E1-E4,Icon
U4741	6mm Offset Servo Arms
U4773	Aerial Mount
U4849	Steering Arm Posts pr - A1,Icon
U4950	Body Posts 4pcs - E1-E4,A2,FT,ST,Icon
U7488	Lipo O Ring pk6 - E2,Icon
U7870	Hub Carriers pr - A2,Icon
U7891	Alloy Lock Stop pr - A2,Icon
U7938	Chassis Post 8mm pr - E3,E4,Icon
U8074	C/F Chassis - Icon
U8075	C/F Front Wishbone - Icon (pr)
U8076	C/F Camber Strap (2 deg) - Icon
U8077	C/F Ride Height Spacers - Icon (x4 pcs)
U8079	C/F Side LiPo Stop - Icon (pr)
U8080	C/F Multi Mount - Icon
U8081	C/F Damper Mount - Icon
U8082	C/F Pod Rear Brace - Icon
U8083	C/F Pod Base - Icon
U8084	C/F Radius Arm - Icon
U8114	Alloy Steering Housing - Icon
U8118	Front Body Post - Icon
U8160	Steering Pivot - Icon
U8161	Chassis Post Extra Strong - Icon pk3
U8264	Alloy M3 Turnbuckle - 35mm - Black (pr)
U8346	Alloy M3 Turnbuckle - 39mm - Black (pr)
U8348	C/F Side Link Mount - Icon 2 (pr)
U8349	Alloy Horizontal Wing Mount - Icon 2
U8350	C/F Vertical Wing Mount - Icon 2
U8354	Manual - Icon 2

Hardware

U1549	SPEED PACK - M4 Nuts and Washers
U1551	SPEED PACK - E Clips -2 x 8pcs
U1606	SPEED PACK - Servo Tape - 30pk
U2128	SPEED PACK - Grub-Set Screws M3 M4
U3021	SPEED PACK - M3x6 Csk Hd - (pk10)
U3022	SPEED PACK - M3x8 Csk Hd - (pk10)
U3023	SPEED PACK - M3x10 Csk Hd - (pk10)
U3524	SPEED PACK-M4x8 Csk Hi Tensile (4)
U3572	SPEED PACK - M3x14 Grub Screw pk4
U3753	SPEED PACK - M2.5x6 Button Hd pk8
U4124	SPEED PACK - Shims 5 x 7 x 0.4mm - pk6
U4155	SPEED PACK - M3 Csk Washers-Blk Alloy (10)
U4241	SPEED PACK - M3 Alloy Nyloc Nuts -Blk- pk10
U4835	SPEED PACK - M3 Steel Nut Black (pk8)
U4837	SPEED PACK M2.5x10 Cap Hd (pk8)
U4862	Black Alloy Washers 0.50mm (pk12)
U4987	SPEED PACK Needle Roller 1.5x11.8 (pk8)
U7102	SPEED PACK - M3x4 Button Hd (pk10)
U7103	SPEED PACK - M3x6 Button Hd (pk10)
U7104	SPEED PACK - M3x8 Button Hd (pk10)
U7105	SPEED PACK - M3x10 Button Hd (pk10)
U7107	SPEED PACK - M3x16 Button Hd (pk10)
U7109	SPEED PACK - M3x25 Button Hd (pk10)
U7113	SPEED PACK - M3x10 Cap Hd (pk10)
U7122	SPEED PACK - M3x12 Csk Hd (pk10)
U7125	SPEED PACK - M3x25 Csk Hd (pk10)
U7677	SPEED PACK - M2.5x8 Csk Hd (pk10)
U7689	M3 Brass Inserts - pk10
U7710	M3 Black Alloy Washers 1.00mm (pk10)
U7711	M3 Black Alloy Washers 2.00mm (pk10)
U7712	M3 Black Alloy Washers 3.00mm (pk10)
U7743	M2.5 X 8 Button Screws (pk10)
U7832	Ball Stud Low (Ultra Short) (pk4)
U7833	Ball Stud Low (Short) (pk4)
U7884	M3x6 Grub Screw Dome End (pk4)
U8089	M3 Alloy Washer Black 4.0 mm (pk10)
U8133	6 x 1 'O'ring pk10 - Mi7,Icon,E4
U8336	Pro Body Clips (pk 10)
U8347	M4 Alloy Thread Insert (pr)
U8351	M3x5 CSK Hd (pk10)
U8352	M3x14 CSK Hd (pk10)

Option Parts

AM648068	Super Diff Gear 48P 68T
AM648072	Super Diff Gear 48P 72T
AM648074	Super Diff Gear 48P 74T
AM648076	Super Diff Gear 48P 76T
AM648080	Super Diff Gear 48P 80t
AM648084	Super Diff Gear 48P 84T
AM664070	Super Diff Gear 64P 70T
AM664074	Super Diff Gear 64P 74T
AM664078	Super Diff Gear 64P 78T
AM664080	Super Diff Gear 64P 80T
AM664082	Super Diff Gear 64P 82T
AM664086	Super Diff Gear 64P 86T
AM664090	Super Diff Gear 64P 90T
AM664094	Super Diff Gear 64P 94T
AM664098	Super Diff Gear 64P 98T
AM664102	Super Diff Gear 64P 102T
AM664106	Super Diff Gear 64P 106T
AM664110	Super Diff Gear 64P 110T
AX009	Aerox Alloy Servo Arm - Short 25T Futaba
AX010	Aerox Alloy Servo Arm - Short 23T KO/Sanwa
CR024	CORE RC - Serrated M4 Steel Wheel Nut pk4
CR035	CORE RC - Serrated Alloy M4 Nuts; Blue pk4
CR036	CORE RC - Serrated Alloy M4 Nuts; Violet pk 4
CR192	Alloy Servo Arm 25T - Futaba Short
CR193	Alloy Servo Arm 23T - KO/Sanwa Short
CR196	CORE RC - Serrated Alloy M4 Nuts - Blk - pk4
CR280	Ti Pro Ball Studs - Short - (pr)
CR304	Titanium Wheel Nuts M4 - pk4
CR310	Alloy Csk Hex Screws M3 x 6 pk10
CR311	Alloy Csk Hex Screws M3 x 8 pk10
CR312	Alloy Csk Hex Screws M3 x 10 pk10
CR314	Alloy Button Head Hex Screws M3 x 6 pk10
CR315	Alloy Button Head Hex Screws M3 x 8 pk10

ICON2

SPARES LISTS

CR316	Alloy Button Head Hex Screws M3 x 10 pk10
CR320	Titanium Csk Hex Screws M3 x 6 pk10
CR321	Titanium Csk Hex Screws M3 x 8 pk10
CR322	Titanium Csk Hex Screws M3 x 10 pk10
CR327	Titanium Button Head Hex Screws M3 x 6 pk10
CR328	Titanium Button Head Hex Screws M3 x 8 pk10
CR329	Titanium Btn Head Hex Screws M3 x 10 pk10
CR507	Kimbrough - Spur Gear 94T - 64DP - #229
CR508	Kimbrough - Precision Gear 64T-48DP-#300
CR509	Kimbrough - Thin Pro/Gear 88T - 64DP-#709
CR510	Kimbrough - Spur Gear 66T - 48DP - #301
CR511	Kimbrough - Spur Gear 69T - 48DP - #150
CR512	Kimbrough - Spur Gear 72T - 48DP - #143
CR513	Kimbrough - Spur Gear 78T - 64DP - #202
CR515	Kimbrough - Spur Gear 76T - 64DP - #199
CR664	Alloy Motor Spacer - 1mm - pk2
CRW48060	Diff Spur 48DP - 60T - for Diff or Spool Axle
U1954	Pro - Thrust Bearing
U2135	M4 Nyloc Wheel Nut - Purple Alloy (pk4)
U2810	M4 Nyloc Wheel Nut - Red Alloy (pk4)
U2811	M4 Nyloc Wheel Nut - Blue Alloy (pk4)
U2812	M4 Nyloc Wheel Nut - Black Alloy (pk4)
U3582	Precision Balance Pivot Set
U4112	S/Steel Shims 1/4x5/16x0.004-SS/At/Ecl
U4328	Impact Servo Saver - Mi5-Mi7,FT,E4,Icon
U4808	1/8" Chrome Steel Ball -At/Ecl - pk12
U4811	1/8" Silicone Nitride Ball (pk12)
U4855	Diff Washer pr - A1,A2,E1-E4,Icon
U4861	Diff Rebuild Kit - E1-E4,A2,Icon
U4946	Pro Ball Bearing 5 x 10 x 4 sealed - pr
U4970	C/F Rear Axle - E1-E4,Icon
U4974	LH Wheel Clamp - E1-E4,Icon
U7690	Pro Ball Bearings 1/4 x 3/8 x 1/8 Fl Shielded
U7709	M3 Black Alloy Washers 0.75mm (pk10)
U7730	Pro-Ball Bearing 4x8x3 Sealed - (pr)
U7774	M3 Alloy Washer Black 1.5 mm (pk10)
U7825	Titanium Pivot Ball 5.5mm Low (pr)
U7828	Titanium Ball Stud Low (Ultra Short) (pk4)
U7829	Titanium Ball Stud Low (Short) (pk4)
U7883	Steel Diff Axle - A2,E3,E4,Icon
U7897	Alloy Pivot Spacer 1mm pr - A2,E3,E4,Icon
U7918	Alloy Pivot Mount - A2,E3,E4,Icon
U7919	Alloy Pivot Block - A2,E3,E4,Icon
U7943	Alloy Spacer Clip 0.5mm pk4 - E3,E4,Icon
U7944	Alloy Spacer Clip 0.75mm pk4 - E3,E4,Icon
U8065	M3 Alloy Thread Inserts pk8 - Icon
U8104	Wheel Hex Clamp - Icon
U8120	Alloy Washer Carrier RH - Icon
U8121	Alloy Ride Height Spacer 0.75mm - Icon (pr)
U8122	Alloy Ride Height Spacer 0.50mm - Icon (pr)
U8123	C/F Camber Strap -6mm Width 2deg - Icon
U8124	C/F Camber Strap 1.5deg - Icon
U8125	Alloy Hub Carriers pr - A1,A2,Icon
U8126	Mass Damper Shaft
U8127	Alloy Chassis - Icon
U8128	Mass Damper Weight 23g
U8129	Mass Damper Weight 12g
U8130	Mass Damper Spring - Red - Medium (pr)
U8131	Mass Damper Spring - Green - Hard (pr)
U8137	Mass Damper Set
U8186	Ball Diff Set - Icon
U8353	C/F Geardiff Axle - Icon 2
U8358	C/F Camber Strap -6mm Width 1.5deg - Icon

Springs

U4838	Rear Springs Black - Soft pr - Icon
U4839	Rear Springs Silver - Med/Soft pr-Icon
U4840	Rear Springs Gold -Med/Hard pr - Icon
U4841	Rear Springs Nickel - Hard pr - Icon
U4846	Spring Tuning Set Rear - A1,A2,E1-E4,Icon
U7322	Rear Spring Red Dot-Hard Ultra pr-Icon
U7323	Rear Spring Black - Ultra pr - A1,A2,E1-E3,Icon
U7886	Front Spring Black Soft pr - A2,E1,Icon
U7887	Front Spring Silver Medium pr - A2,E1,Icon
U7888	Front Spring Green Hard pr - A2,E1,Icon
U7889	Front Spring Gold Super Hard pr - A2,E1,Icon
U7890	Front Spring Tuning Set 4pr - A2,E1,Icon

Suspension

U4274	Pro Ball Stud Short - pk4
U4302	Ball Socket Short (Black) pk4
U4700	Pro Ball Stud - Ultra Long - (pk4)
U4847	Rear Spring Seat - A1,A2,E1-E4,Icon
U4851	Side Spring Seat pr - A1,A2,E1-E4,Icon
U4968	Ball Sockets Low Profile -Eclipse - pk4
U7787	Shock Top Ball Dia 5.5mm - Mi7 (pk4)
U7832	Ball Stud Low (Ultra Short) (pk4)
U7833	Ball Stud Low (Short) (pk4)
U7871	Pivot Mouldings - A2,E3,E4,Icon
U7872	Side Link pr - A2,E3,E4,Icon
U8087	Alloy Damper Body - Icon, E4
U8115	Front King Pin - Icon (pr)
U8116	Front Axle - Icon (pr)
U8117	King Pin Spacer - Icon (pr)
U8136	Pivot Ball Assembly - Icon (pr)
U8337	Damper Rod V2 - Icon, E4

Transmission

U4972	Ride Height Adjusters- 0.00-1.50 4prs - Icon
U4973	Ride Height Adjusters 0.25-1.75 4prs - Icon
U7899	Diff Spacer Set - A2,E4,Icon
U8112	Alloy Trans Housing RH - Icon
U8113	Alloy Trans Housing LH - Icon
U8338	Geardiff Wheel Hex RH Side - Icon 2
U8339	Geardiff Mouldings - Icon 2
U8340	Geardiff Output Shaft - Icon 2
U8341	Gear Diff Spur Gear 60T 48dp - Icon 2
U8342	Steel Geardiff Axle - Icon 2
U8343	Geardiff Wheel Hex LH Side - Icon 2
U8344	Geardiff Rebuild Kit - Icon 2
U8345	O'Ring 5x1.5 Red (pk 10)
U8355	Gear Diff Spur Gear 88T 64dp - Icon 2
U8356	Gear Diff Spur Gear 80T 64dp - Icon 2
U8357	Gear Diff Spur Gear 64T 48dp - Icon 2

Tyres & Wheels

PS-0575	Shimizu F104 Rear Slick Tyre - R1 Soft V2 - pr
PS-0572	Shimizu F104 Rear Slick Tyre - Med/Hard V2 pr
PS-0571	Shimizu F104 Front Slick Tyre - Soft V2 - pr
JF1-28RAF1	Rear 28Sh Dia 59mm
JF1-30RAF1	Rear 30Sh Dia 59mm
JF1-42FA F1	Front 42Sh Dia 59mm
JF1-45FA F1	Front 45Sh Dia 59mm
XG-575C	Shimizu F1 Rear Tyre Soft - Pre-Glued V2 - pr
XG-571C	Shimizu F1 Front Tyre Soft - Pre-Glued V2 - pr
XG-572C	Shimizu F1 Rear Tyre Med - Pre-Glued V2 - pr
XG-575D	Shimizu F1 Rear Tyre Soft - Pre-Glued V3 - pr
AM042402	1/10 F1 Tyre Rim Front Med Glued (2) Korea
AM042406	1/10 F1 Tyre Rim Rear 24 Sh (2) Korea
AM042407	1/10 F1 Tyre Rim Rear 28 Sh - pk2

SET UP SHEET

ICON²

Schumacher

Driver: Test Driver
Track: Any
Event: Kit Build
Date: 18/2/22
Qualifying:
Final:
Best Lap:

TRACK TYPE

Grip Level High ☐ Medium ☒ Low ☐
Type Tight ☐ Open ☐ Mixed ☒
Condition Flat ☐ Bumpy ☐ Mixed ☒
Surface Tarmac (Asphalt) ☐ Carpet ☒
Track Temp °C
Weather

Notes:

TYRES

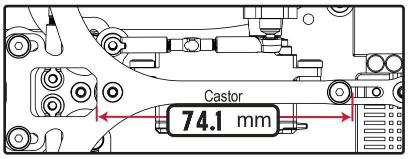
Tyres Pit Shimizu BRCA
Cleaner Brake Cleaner
Additive Cs High Grip
Additive Time Front: 4 mins Rear: 15 mins
Heating Time Front: mins Rear: mins
Heating Temp Front: °C Rear: °C

Notes:

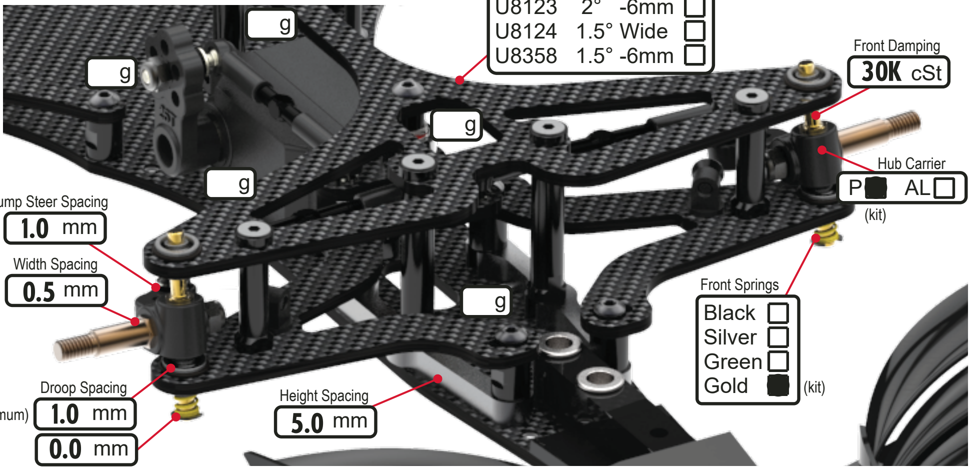
FRONT

KEY: **CF** = Carbon Fibre, **AL** = Aluminium, **P** = Plastic, **F** = Front, **R** = Rear
H = High, **L** = Low, **Y** = Yes, **N** = No, **V** = Vertical, **H** = Horizontal

Ride Height 4.0 mm
Droop 2.0 mm
Toe Out 0.5 deg **St Links** 21 mm
Servo Horn Height 16 mm **Saver** ☐
Steering Travel 24 in out
Castor 8.0 deg


Castor 74.1 mm

Notes:



Camber/Width Options
U8076 2° Wide ☒ (kit)
U8123 2° -6mm ☐
U8124 1.5° Wide ☐
U8358 1.5° -6mm ☐

Front Damping 30K cSt

Hub Carrier P ☒ AL ☐ (kit)

Bump Steer Spacing 1.0 mm

Width Spacing 0.5 mm

Front Springs
Black ☐
Silver ☐
Green ☐
Gold ☒ (kit)

Droop Spacing (1mm Minimum) 1.0 mm
0.0 mm

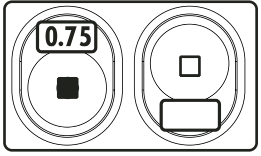
Height Spacing 5.0 mm

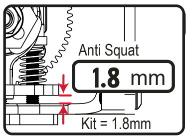
REAR

KEY: **CF** = Carbon Fibre, **AL** = Aluminium, **P** = Plastic, **F** = Front, **R** = Rear
H = High, **L** = Low, **Y** = Yes, **N** = No, **V** = Vertical, **H** = Horizontal

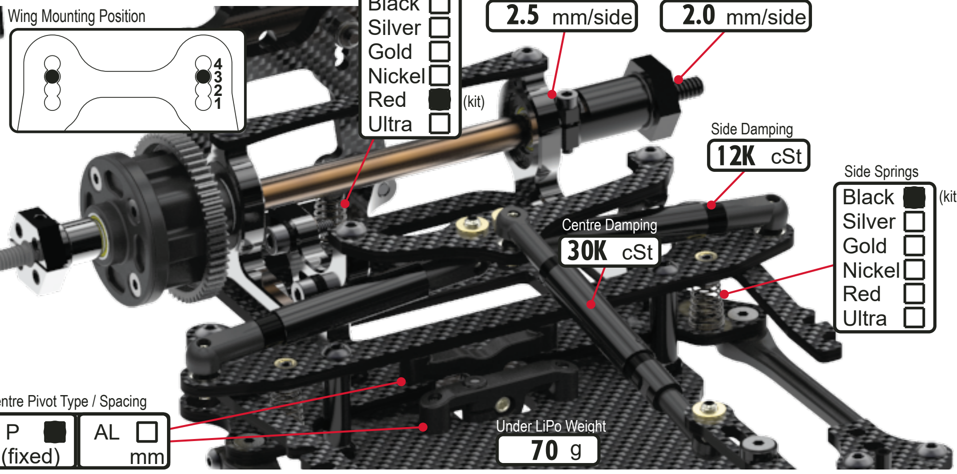
Ride Height 4.2 mm
Droop 2.0 mm
Track width 190 mm
Diff Type Gear ☒ Ball ☐ Spool ☐
Diff Oil (Gear Diffs) 1000 cSt

Eccentric Height


0.75


Anti Squat 1.8 mm
Kit = 1.8mm

Notes:



Rear Spring
Black ☐
Silver ☐
Gold ☐
Nickel ☐
Red ☒ (kit)
Ultra ☐

Inner Width Spacing 2.5 mm/side

Hex Width Spacing 2.0 mm/side

Side Damping 12K cSt

Side Springs
Black ☒ (kit)
Silver ☐
Gold ☐
Nickel ☐
Red ☐
Ultra ☐

Centre Damping 30K cSt

Centre Pivot Type / Spacing
(kit) P ☒ (fixed) AL ☐ mm

Under LiPo Weight 70 g

BODYSHELL

Body Montech F18
Rear Wing Montech
Rear Wing Height 110 mm
Front Wing Montech '17
Front Wing Flaps 3
Front Post Hole #
Front Post Hanger #
Rear Post Hole # 6
Rear Post Hanger # 1
Wing Offset Rwrd mm
Body Weight g

CHASSIS

Chassis AL ☐ CF ☒
Wheelbase Short ☒ Long ☐
Total Weight 1052 g
Weight Distribution F : R
Mass Dampers
F ☐ cSt
R ☐ cSt

Notes:

ELECTRONICS

E.S.C. LRP Flow X
Servo Ko Propo
RX Sanwa
LiPo LRP Graphene 4 4000
Motor LRP 21.5T
Rotor Dia. Std mm
Timing -5 deg
Gear Pitch 48 ☒ 64 ☐
Pinion 32 t
Spur 88 t
Ratio

Notes:

ICON² SET UP SHEET

Schumacher

Driver:
Track:
Event:
Date:
Qualifying:
Final:
Best Lap:

TRACK TYPE

Grip Level High ☐ Medium ☐ Low ☐
Type Tight ☐ Open ☐ Mixed ☐
Condition Flat ☐ Bumpy ☐ Mixed ☐
Surface Tarmac (Asphalt) ☐ Carpet ☐
Track Temp °C
Weather
Notes:

TYRES

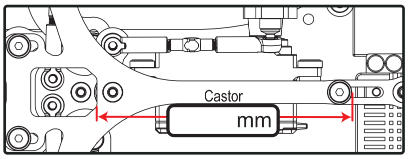
Tyres
Cleaner
Additive
Additive Time Front: mins Rear: mins
Heating Time Front: mins Rear: mins
Heating Temp Front: °C Rear: °C

Notes:

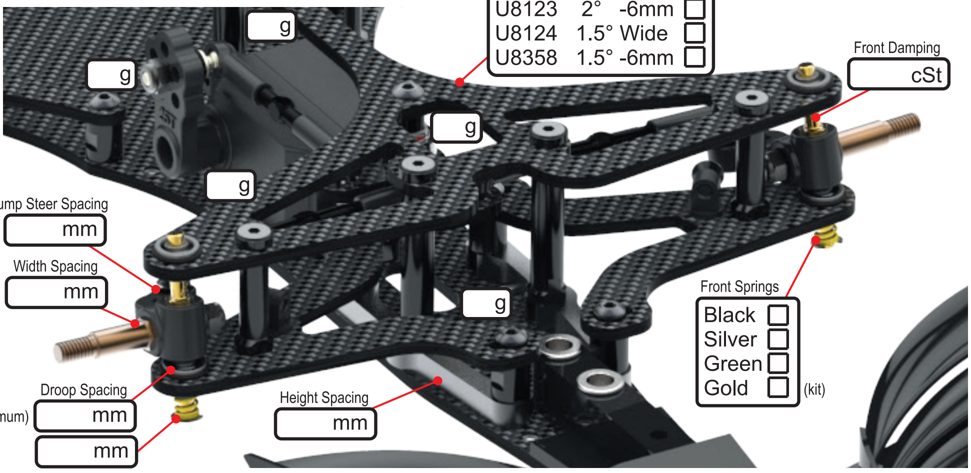
FRONT

KEY: CF = Carbon Fibre, **AL** = Aluminium, **P** = Plastic, **F** = Front, **R** = Rear
H = High, **L** = Low, **Y** = Yes, **N** = No, **V** = Vertical, **H** = Horizontal

Ride Height mm
Droop mm
Toe Out deg **St Links** mm
Servo Horn Height mm **Saver** ☐
Steering Travel in out
Castor deg



Notes:


Camber/Width Options

U8076	2°	Wide ☐	(kit)
U8123	2°	-6mm ☐	
U8124	1.5°	Wide ☐	
U8358	1.5°	-6mm ☐	

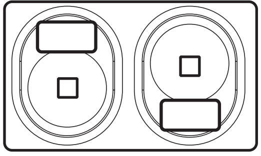
g
g
g
g
g
Front Damping cSt
Bump Steer Spacing mm
Width Spacing mm
Front Springs: Black ☐ Silver ☐ Green ☐ Gold ☐ (kit)
Droop Spacing (1mm Minimum) mm
mm
Height Spacing mm

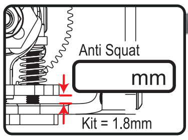
REAR

KEY: CF = Carbon Fibre, **AL** = Aluminium, **P** = Plastic, **F** = Front, **R** = Rear
H = High, **L** = Low, **Y** = Yes, **N** = No, **V** = Vertical, **H** = Horizontal

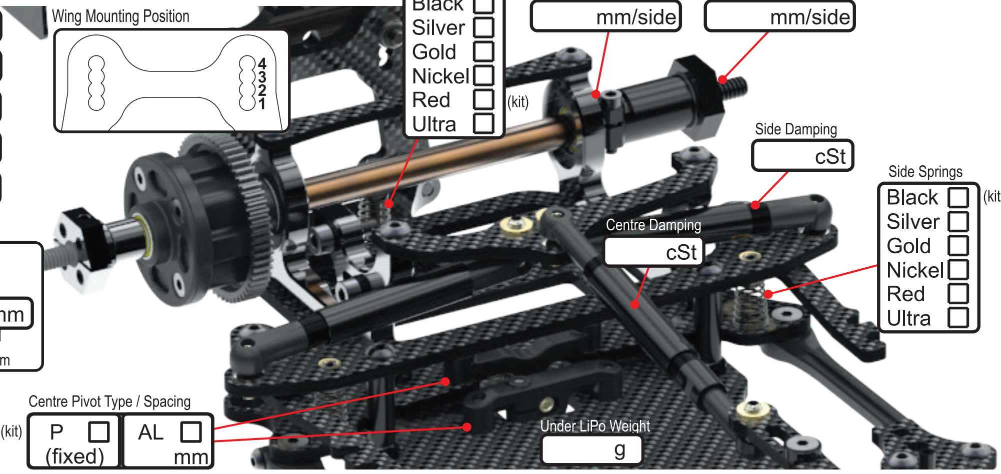
Ride Height mm
Droop mm
Track width mm
Diff Type Gear ☐ Ball ☐ Spool ☐
Diff Oil (Gear Diffs) cSt

Eccentric Height




Anti Squat mm

Notes:


Wing Mounting Position

Rear Spring: Black ☐ Silver ☐ Gold ☐ Nickel ☐ Red ☐ Ultra ☐ (kit)
Inner Width Spacing mm/side
Hex Width Spacing mm/side
Side Damping cSt
Side Springs: Black ☐ (kit) Silver ☐ Gold ☐ Nickel ☐ Red ☐ Ultra ☐
Centre Damping cSt
Centre Pivot Type / Spacing: (kit) P ☐ (fixed) AL ☐ mm
Under LiPo Weight g

BODYSHELL

Body
Rear Wing
Rear Wing Height mm
Front Wing
Front Wing Flaps
Front Post Hole #
Front Post Hanger #
Rear Post Hole #
Rear Post Hanger #
Wing Offset Rwrd mm
Body Weight g

CHASSIS

Chassis AL ☐ CF ☐
Wheelbase Short ☐ Long ☐
Total Weight g
Weight Distribution F : R
Mass Dampers
F ☐ cSt
R ☐ cSt

Notes:

ELECTRONICS

E.S.C.
Servo
RX
LiPo
Motor
Rotor Dia. mm
Timing deg
Gear Pitch 48 ☐ 64 ☐
Pinion t
Spur t
Ratio

Notes: