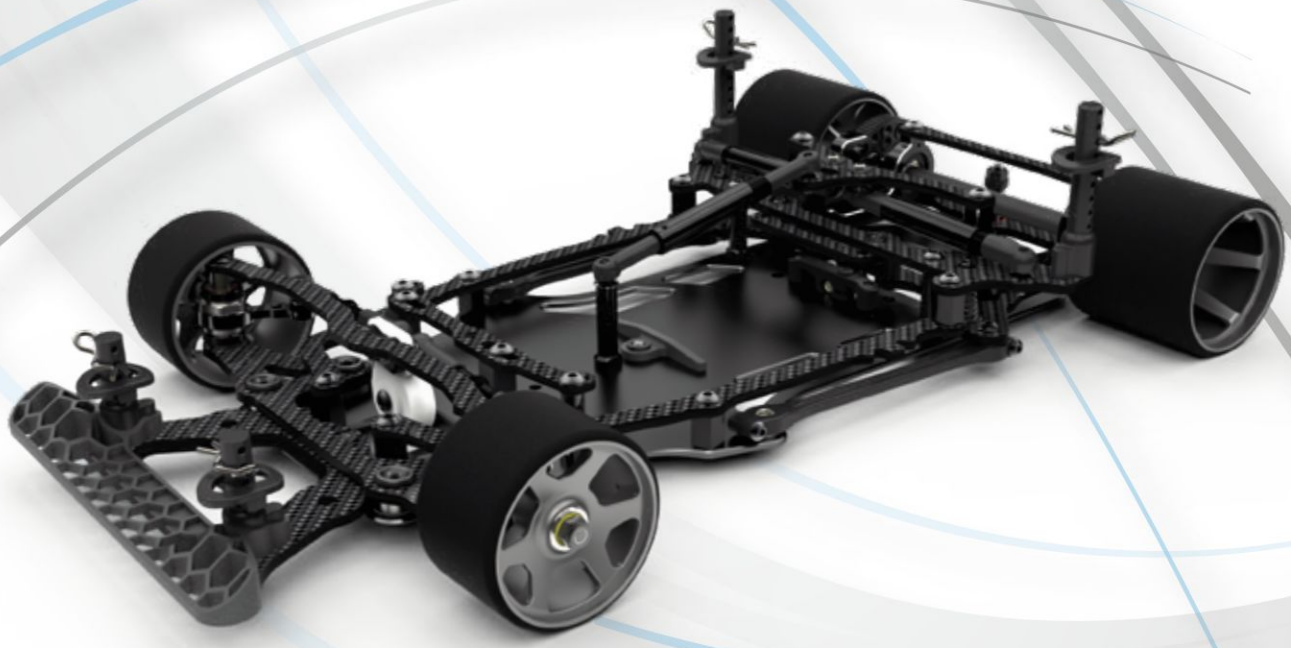
S1742

ECLIPSE 6

WORLD WINNING DESIGN



Instruction Manual ISS01

racing-cars.com

IFMAR 4 TIME WORLD CHAMPIONS

Schumacher
Schumacher Racing Products Ltd.
71-73 Tenter Road, Moulton Park
Northampton, NN3 6AX, U.K.

ECLIPSE 6
WORLD WINNING DESIGN

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


Bodyshell


Radio Equipment


Steering Servo


Motor and Pinion Gear


Electronic Speed Controller


1S LiPo Battery


Battery Charger


Polycarbonate Paint


Tyres and Wheels

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 - U3107
Curved Scissors - CR044



ICON KEYS

DAMPER GREASE Medium — CORE RC Damper Grease - Medium 10ml - CR897

THREAD LOCK BLUE — CORE RC Medium Strength Thread Lock 3ml - CR520

CA GLUE — CORE RC CA Tyre Glue - 20G CR522

THREAD LOCK PURPLE — CORE RC Low Strength Thread Lock 3ml - CR865

SILICONE OIL 12,000cSt — CORE RC Silicone Oil. cSt denotes the thickness. The higher the number, the thicker the oil.

Caution/Important note. Please read.

Information. Please read.

FL — Front Left of car.

FR — Front Right of car.

RL — Rear Left of car.

RR — Rear Right of car.

RACE TIP — Additional information that will help you build a faster race car.

racing-cars.com

ECLIPSE6
WORLD WINNING DESIGN

Step 1

A x1
M3 x 5 Csk Hd Screw

B x2
M3 x 8 Csk Hd Screw

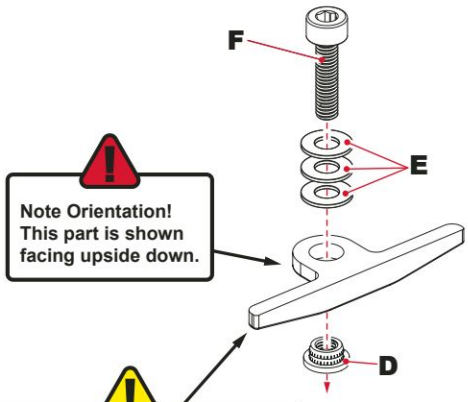
C x1
M3 Black Nut

D x1
M3 Thread Insert

E x3
M3 Washer

F x1
M3 X 8 Cap Hd Screw

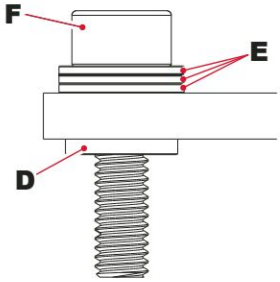
G x1
M3 x 25 Csk Hd Screw



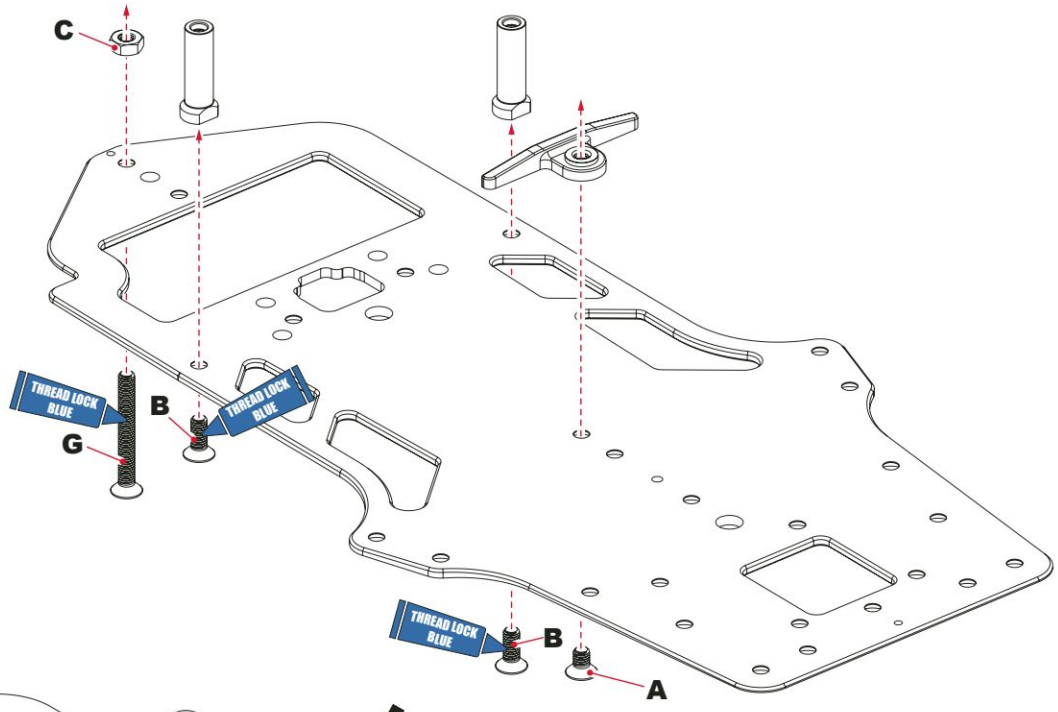
Note Orientation!
This part is shown facing upside down.

4 LiPo Stops are included.
Position 1 - Longest - Rear LiPo
Position 4 - Shortest - Forward LiPo

Use screw 'F' and washers 'E' to fit the inserts 'D'. (Keep 'F' and 'E' safe for use later.)

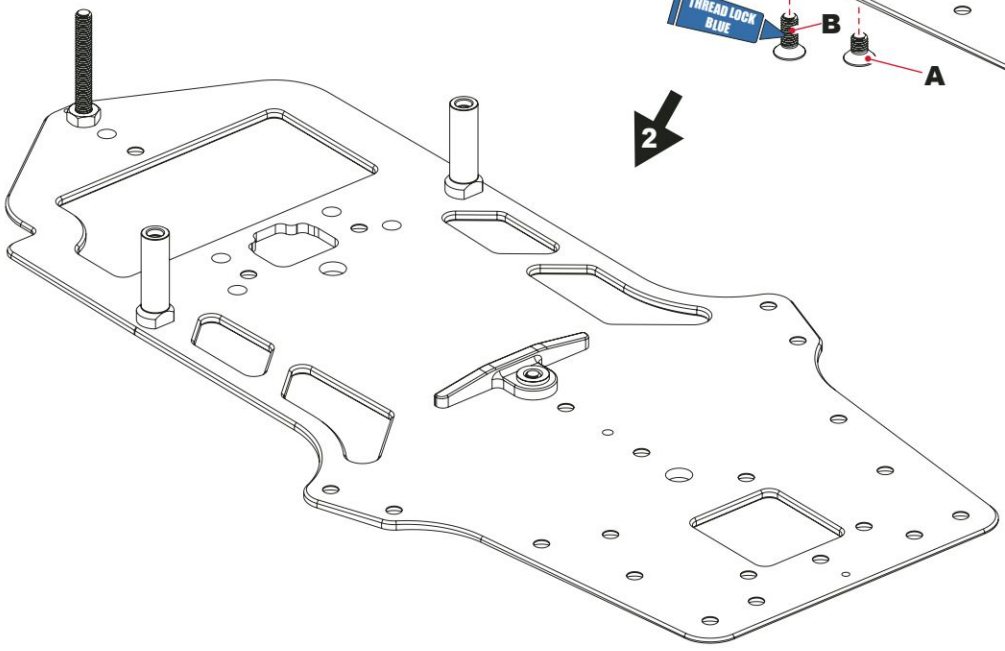


1



There are 2 types of Thread Lock included. Be careful to use the correct colour as instructed on the bottle image. Only a small drop is required.

2



ECLIPSE 6
WORLD WINNING DESIGN

Step 2

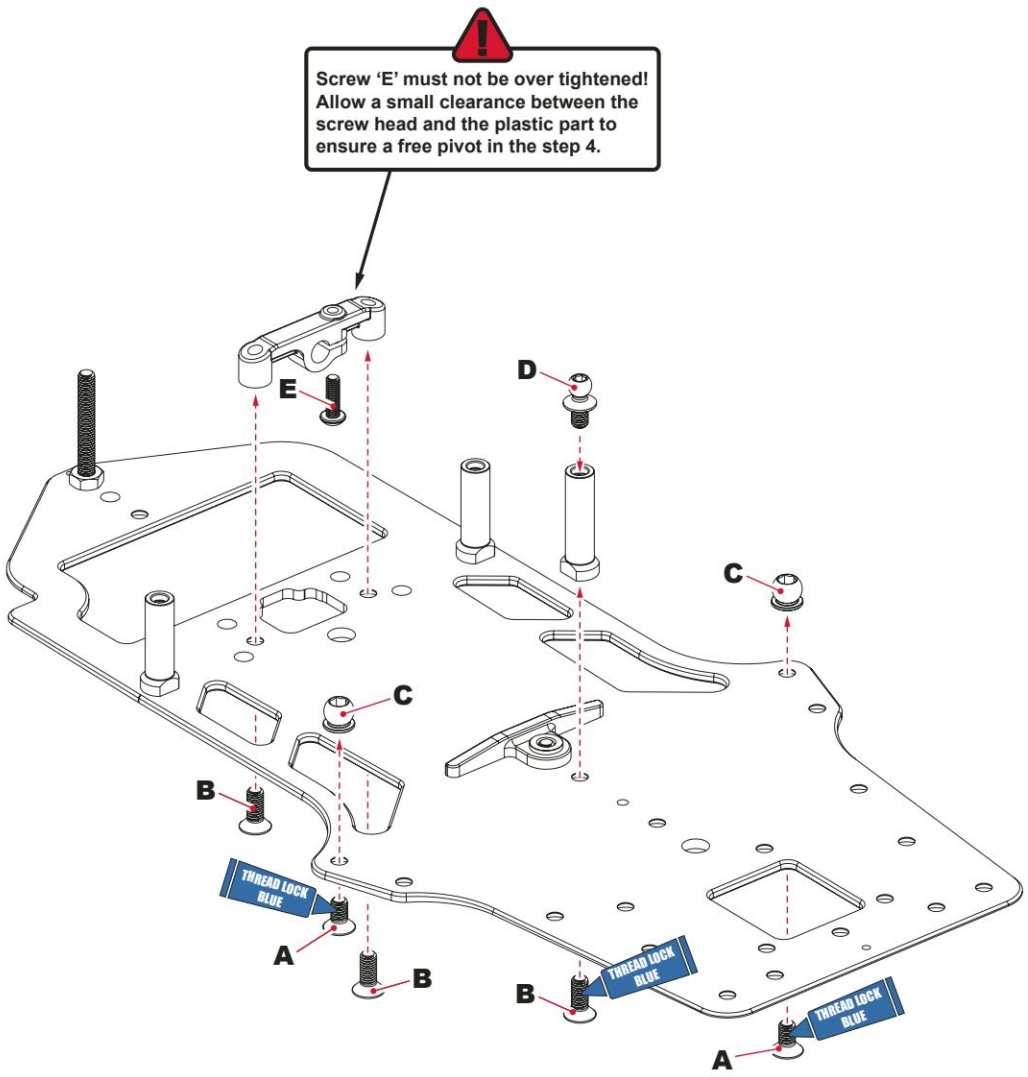
A x2
M3 x 6 Csk Hd Screw

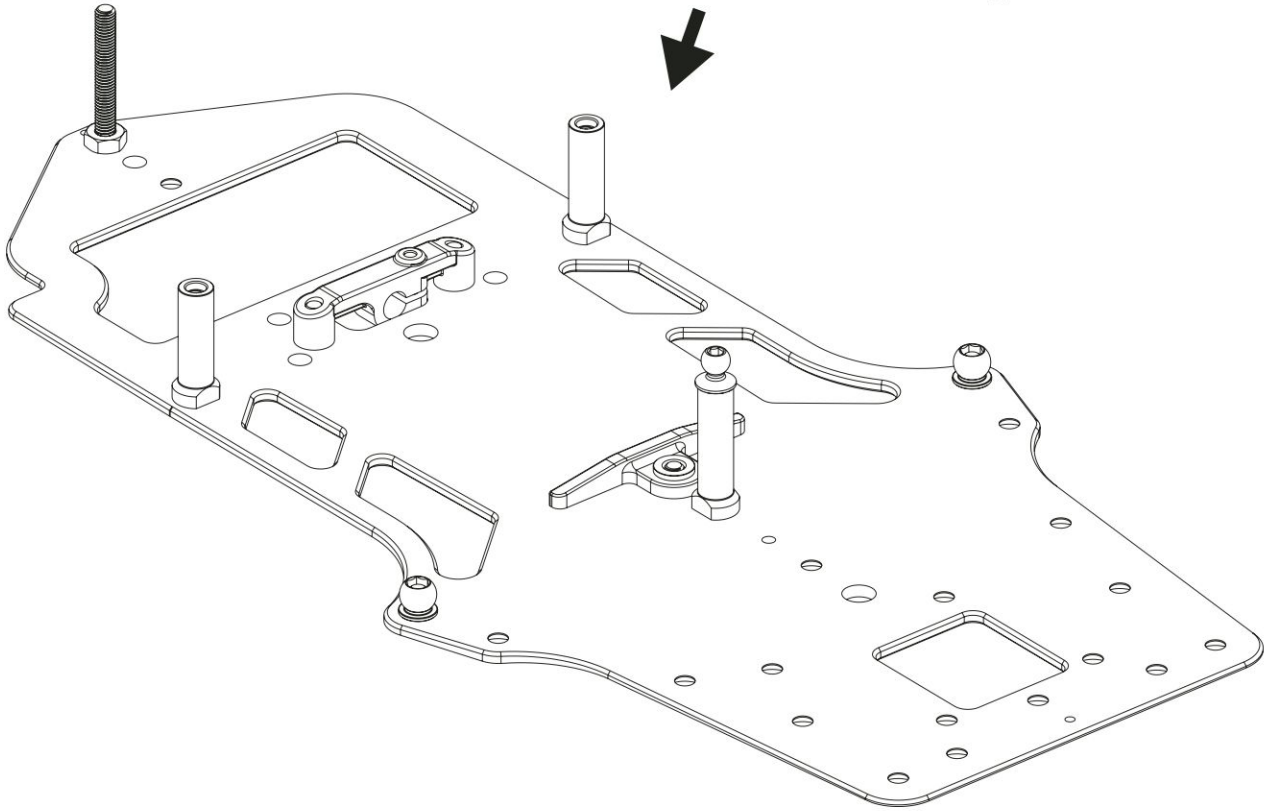
B x3
M3 x 8 Csk Hd Screw

C x2
5.5mm Pivot Ball

D x1
Ball Stud Ultra Short Low

E x1
M2.5 x 8 Button Hd Screw





ECLIPSE6
WORLD WINNING DESIGN

Step 3

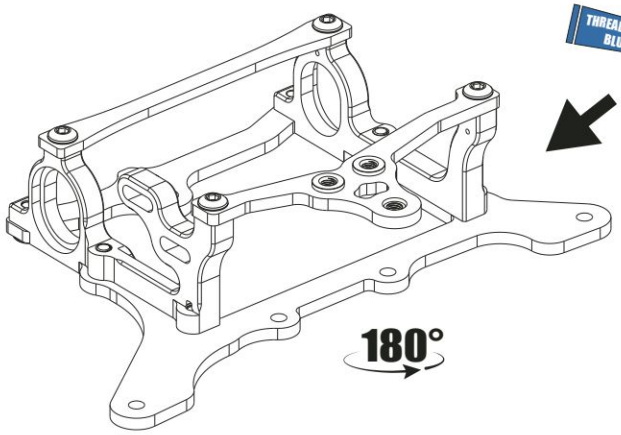
A x2
M3 x 6 Csk Hd Screw

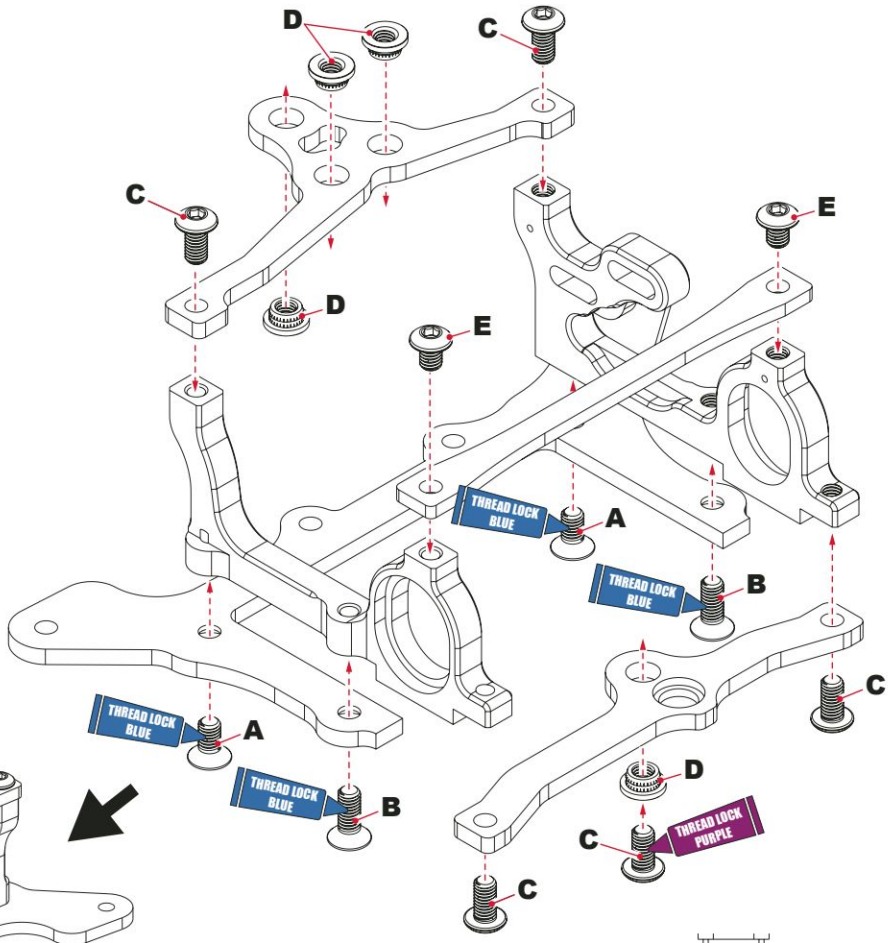
B x2
M3 x 8 Csk Hd Screw

C x5
M3 x 6 Button Hd Screw

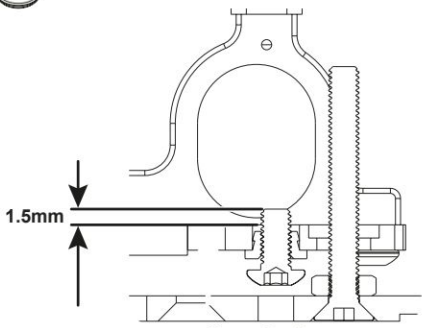
D x4
M3 Thread Insert

E x2
M3 x 4 Button Hd Screw





Setting this 1.5mm is a good starting point and will result in a rear droop of 1mm.



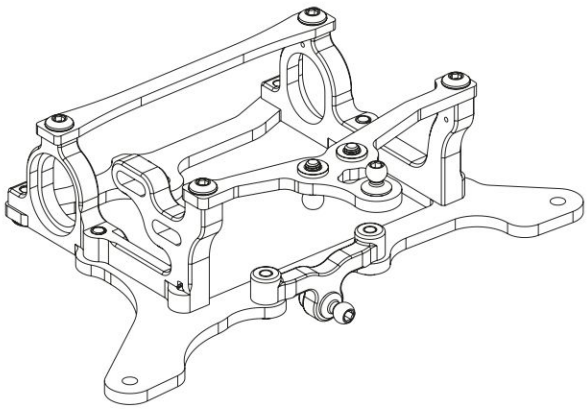
Cross Section

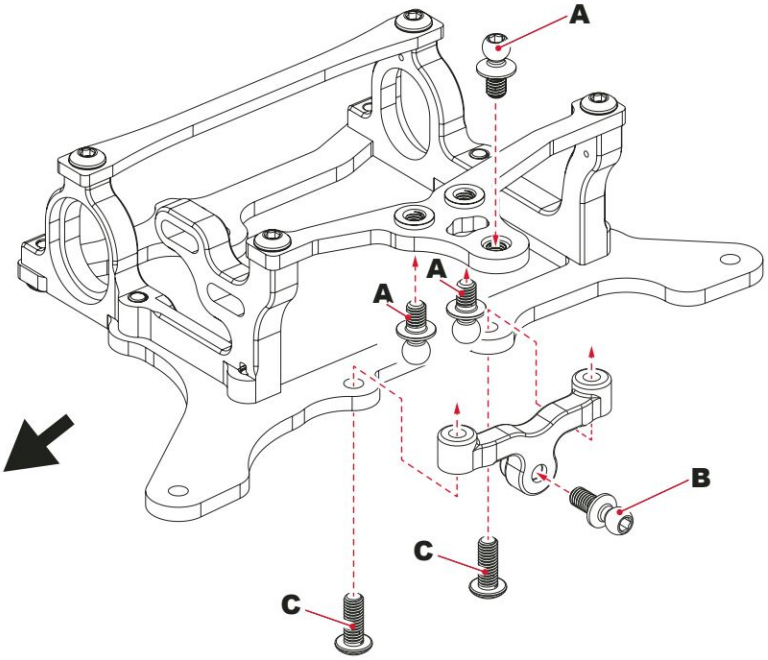
Step 4a

A x3
Ball Stud Ultra Short Low

B x1
Silver Ball Stud Short

C x2
M3 x 8 Button Hd Screw





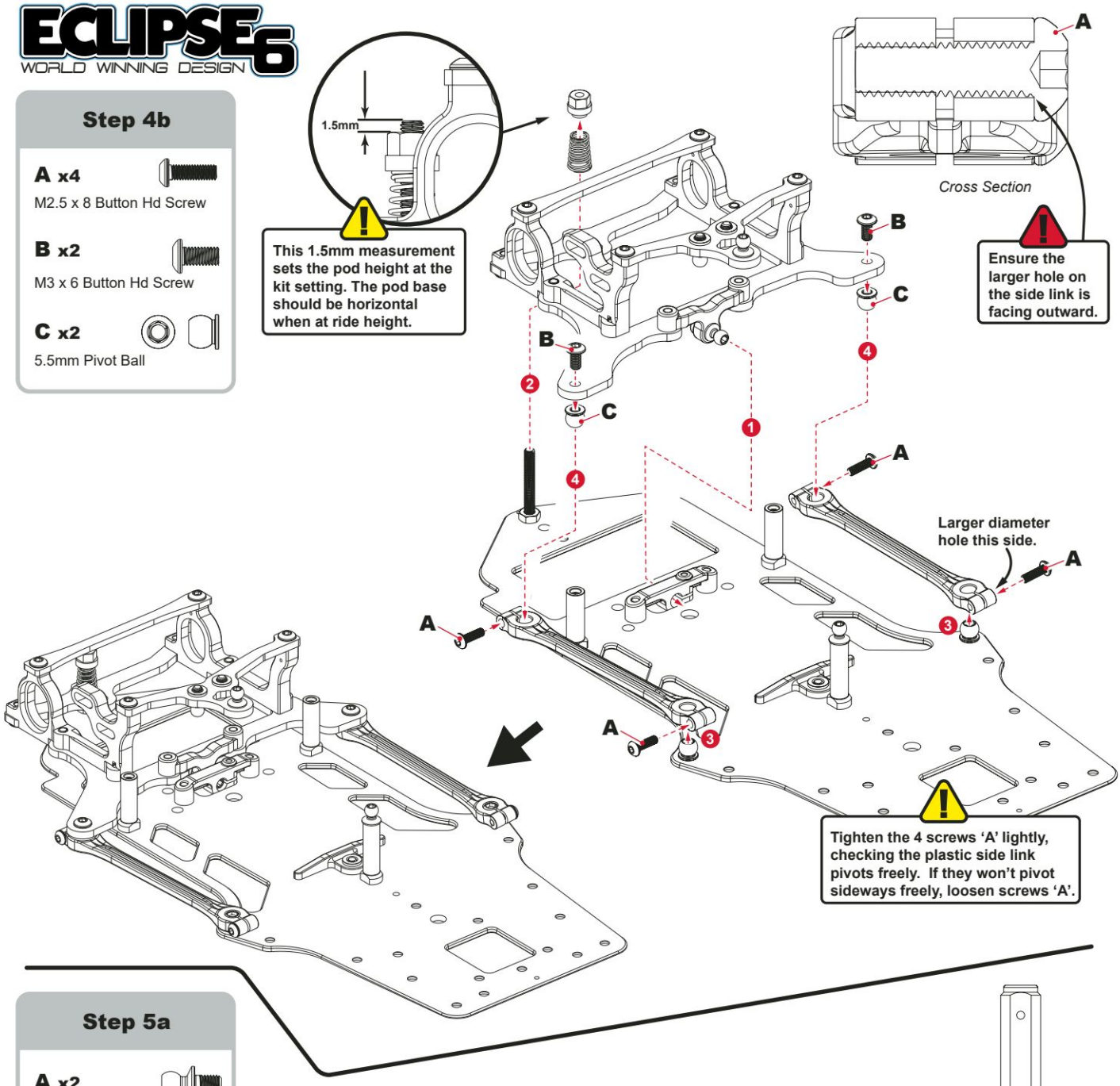
ECLIPSE6
WORLD WINNING DESIGN

Step 4b

A x4
M2.5 x 8 Button Hd Screw

B x2
M3 x 6 Button Hd Screw

C x2
5.5mm Pivot Ball



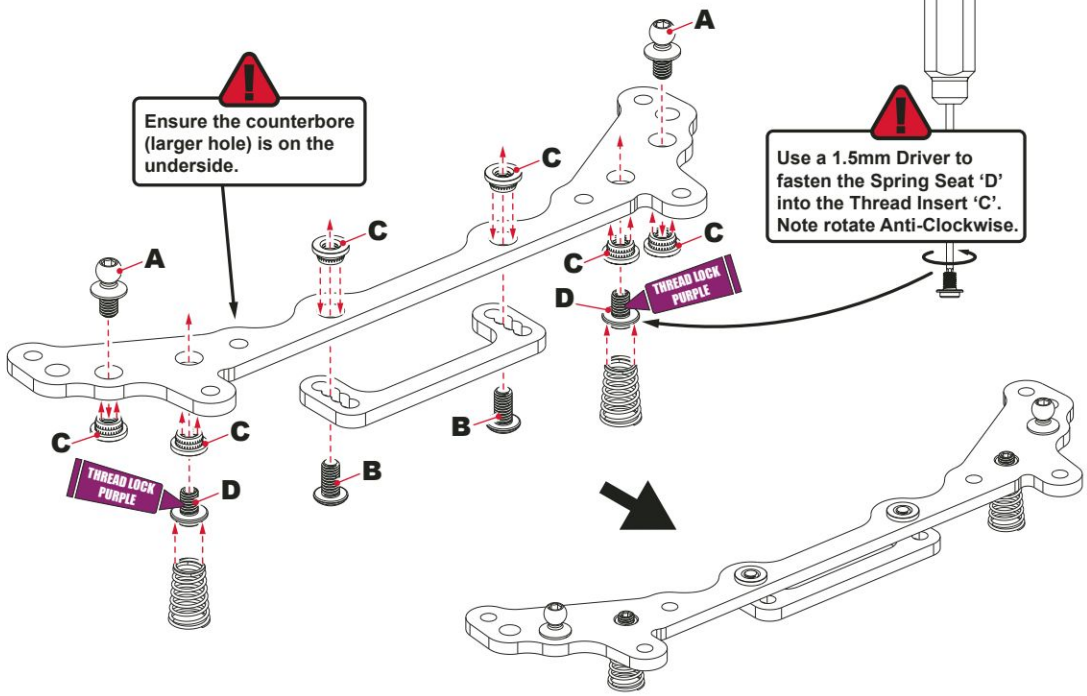
Step 5a

A x2
Ball Stud Ultra Short Low

B x2
M3 x 6 Button Hd Screw

C x6
M3 Thread Insert

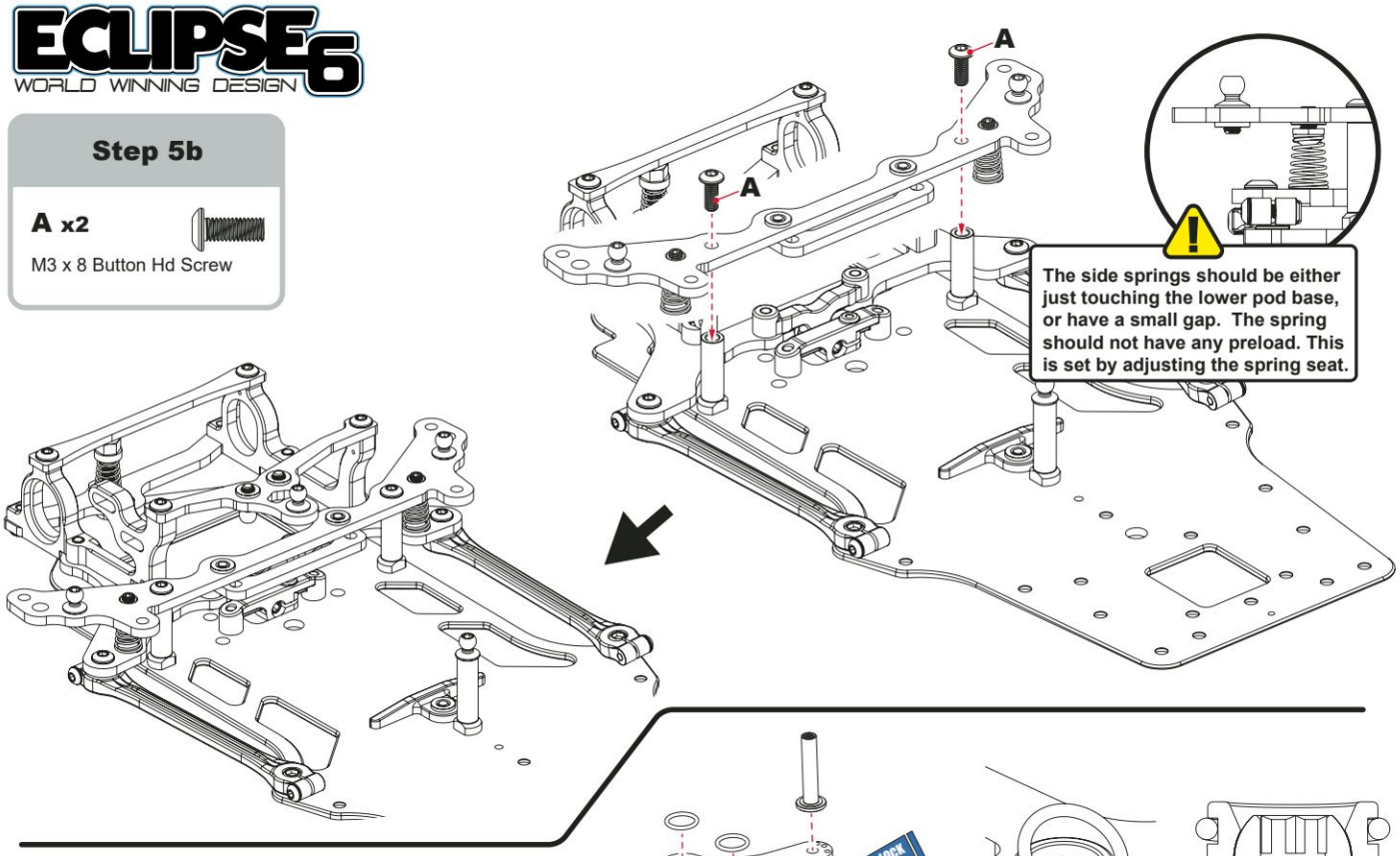
D x2
Spring Seat



ECLIPSE6
WORLD WINNING DESIGN

Step 5b

A x2
M3 x 8 Button Hd Screw



Step 6

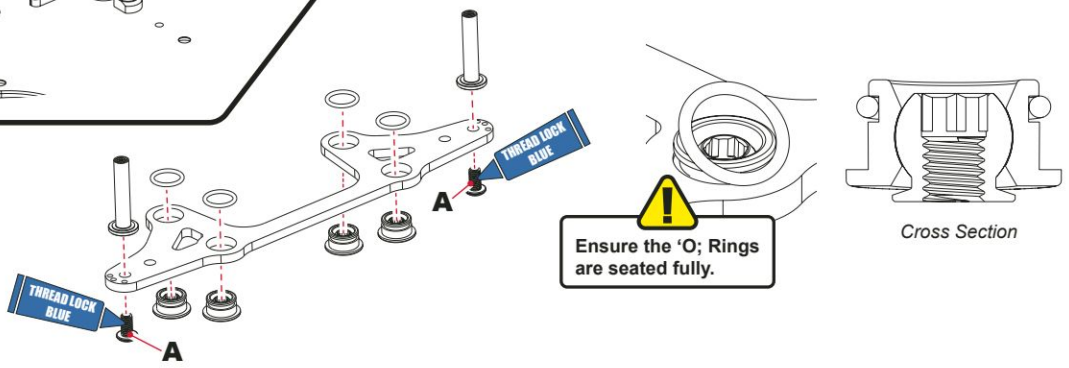
A x2
M3 x 6 Button Hd Screw

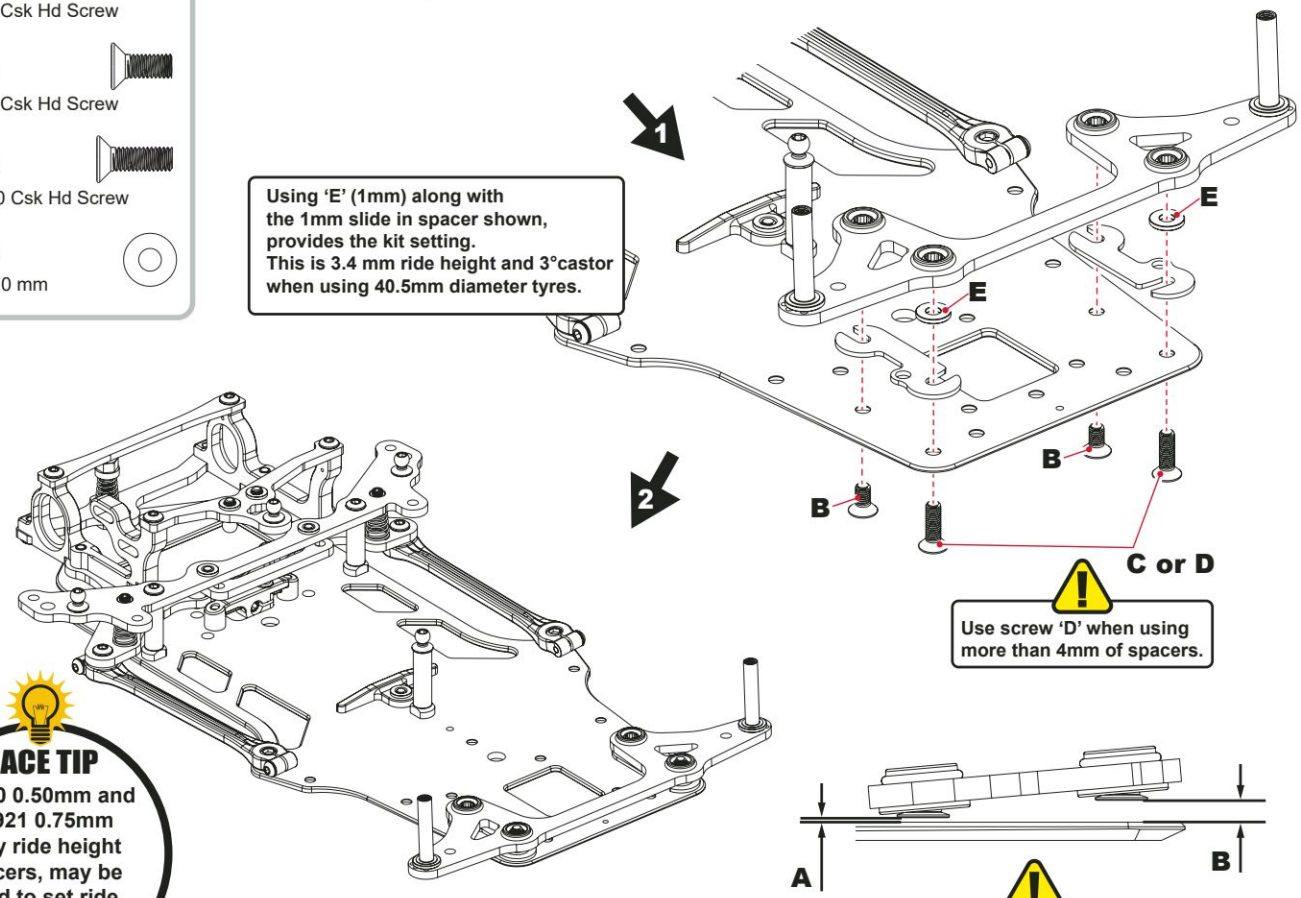
B x2
M3 x 6 Csk Hd Screw

C x2
M3 x 8 Csk Hd Screw

D x2
M3 x 10 Csk Hd Screw

E x2
Grey 1.0 mm





RACE TIP
U7920 0.50mm and U7921 0.75mm alloy ride height spacers, may be used to set ride height with ease!

Ride Height and Castor is most easily set with spacers 'A' and 'B'. More information on Page 17.

ECLIPSE6
WORLD WINNING DESIGN

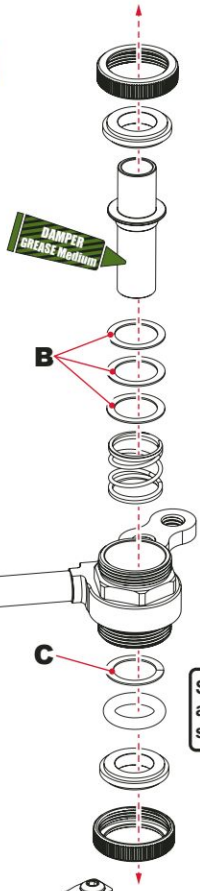
Step 7

A x2
Low Ball Ultra Short

B x6
Shim 0.2mm

C x2
Shim 0.1mm

D x2
Black 2.0mm Spacer

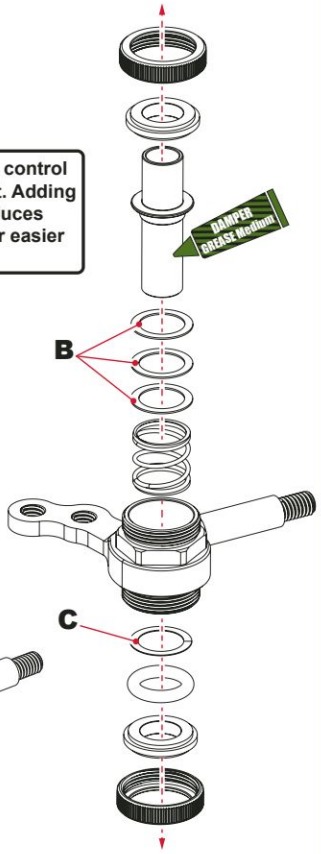


Smear Grease over the damper sleeve surface ensuring full and even coverage.

FR

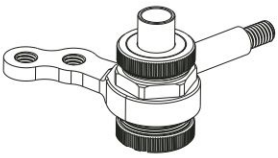


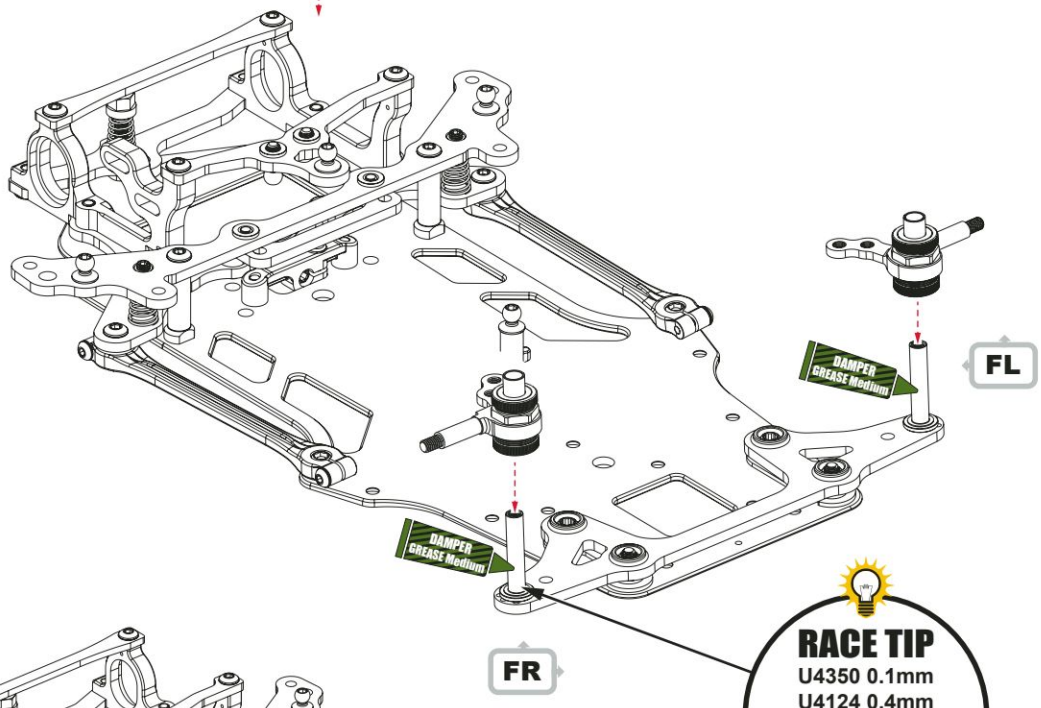
Shims 'B' are used to control droop and ride height. Adding Shims 'B' (U9012) reduces droop, making the car easier to drive.



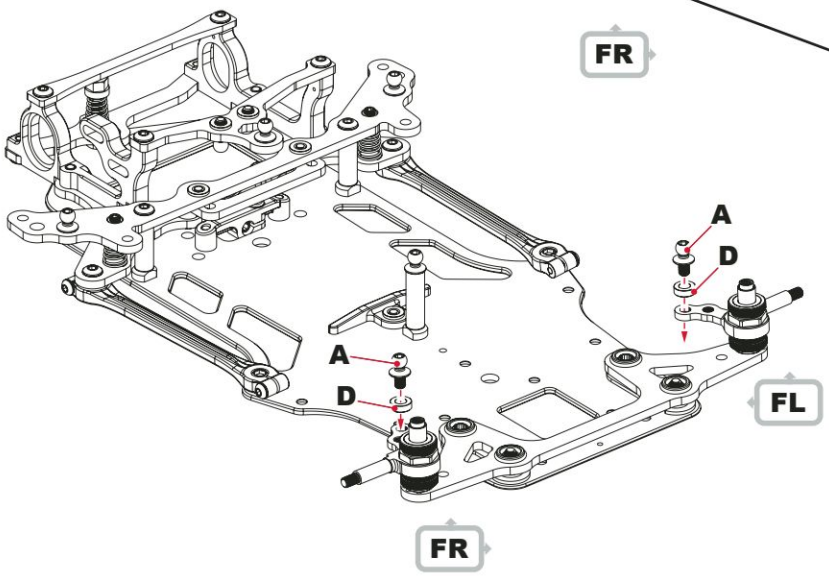
FL

Spacer 'C' is used to provide an additional damping. Multiple spacers 'C' may be used.





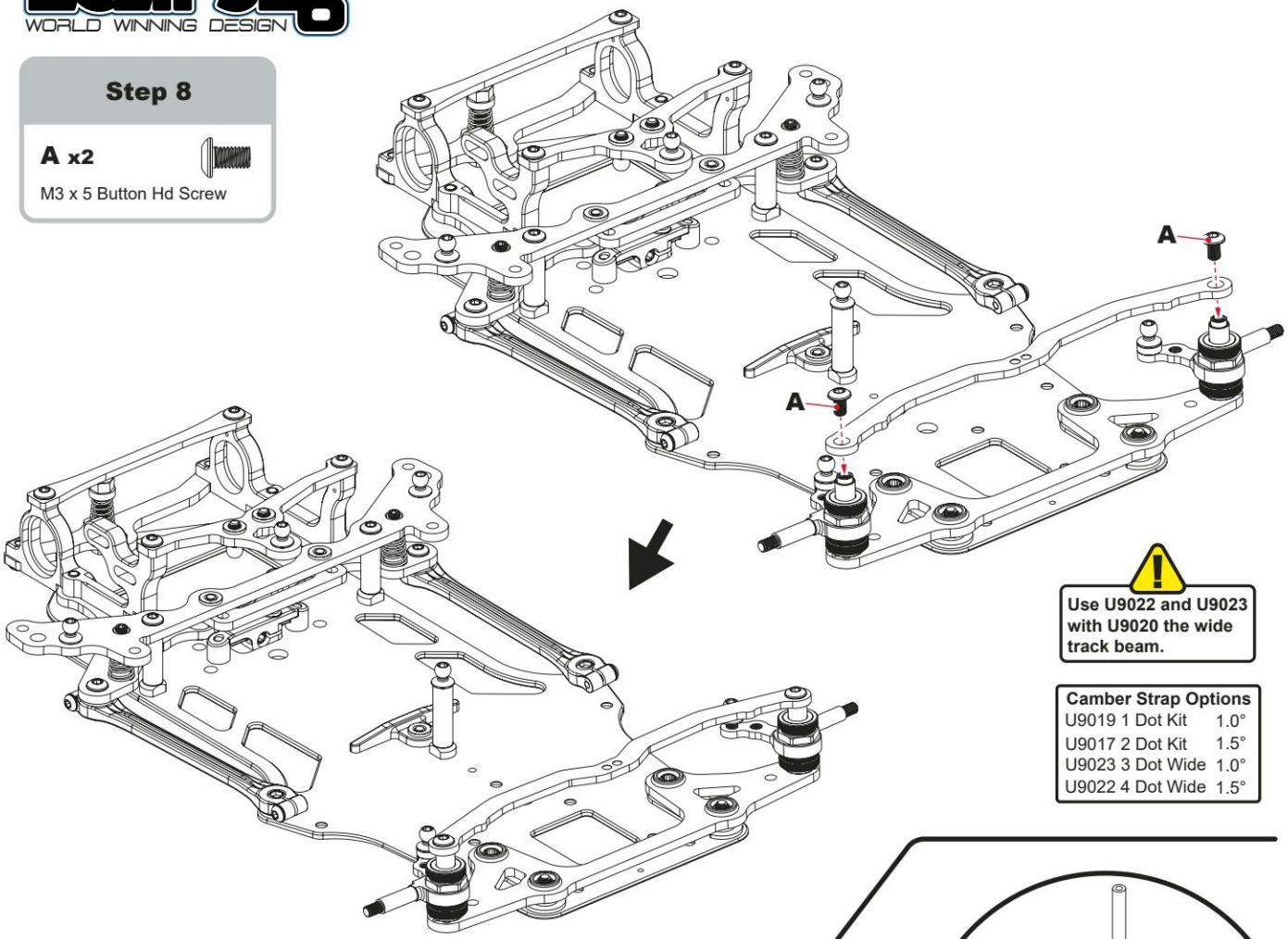
RACE TIP
U4350 0.1mm
U4124 0.4mm
Shims may be fitted under the hub carrier to reduce droop.



ECLIPSE 6
WORLD WINNING DESIGN

Step 8

A x2
M3 x 5 Button Hd Screw



Use U9022 and U9023 with U9020 the wide track beam.

Camber Strap Options

U9019 1 Dot Kit	1.0°
U9017 2 Dot Kit	1.5°
U9023 3 Dot Wide	1.0°
U9022 4 Dot Wide	1.5°

Step 9a

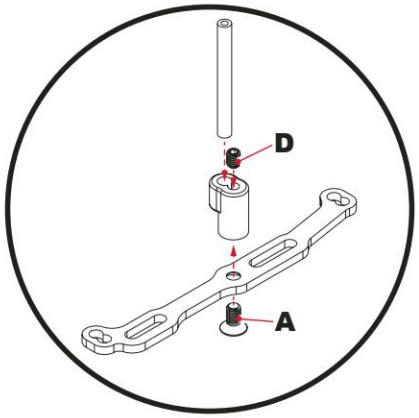
A x3
M3 x 6 Csk Hd Screw

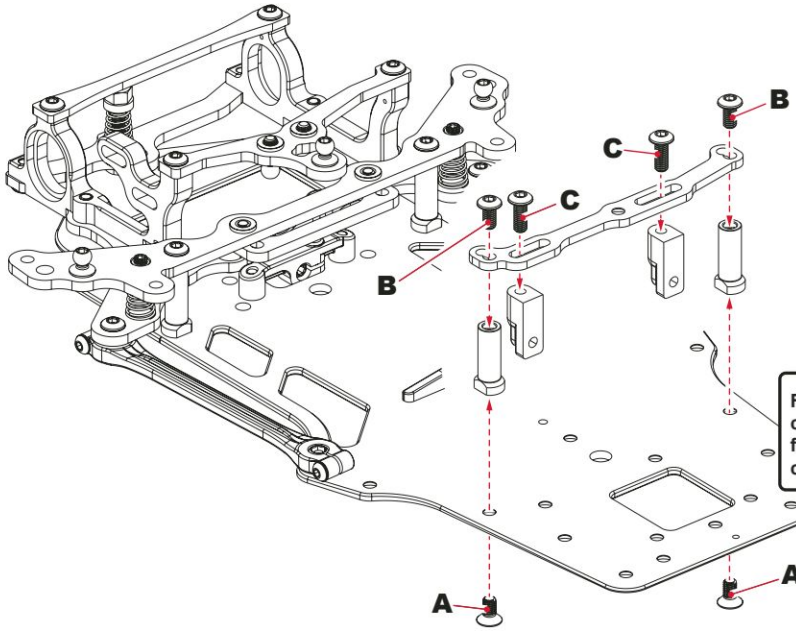
B x2
M3 x 6 Button Hd Screw

C x2
M3 x 8 Button Hd Screw

D x1
M3 x 4 Grub Screw

The Aerial and aerial mount are used if you have an aerial wire on your receiver.





Front suspension components removed from drawing to show clearer assembly.

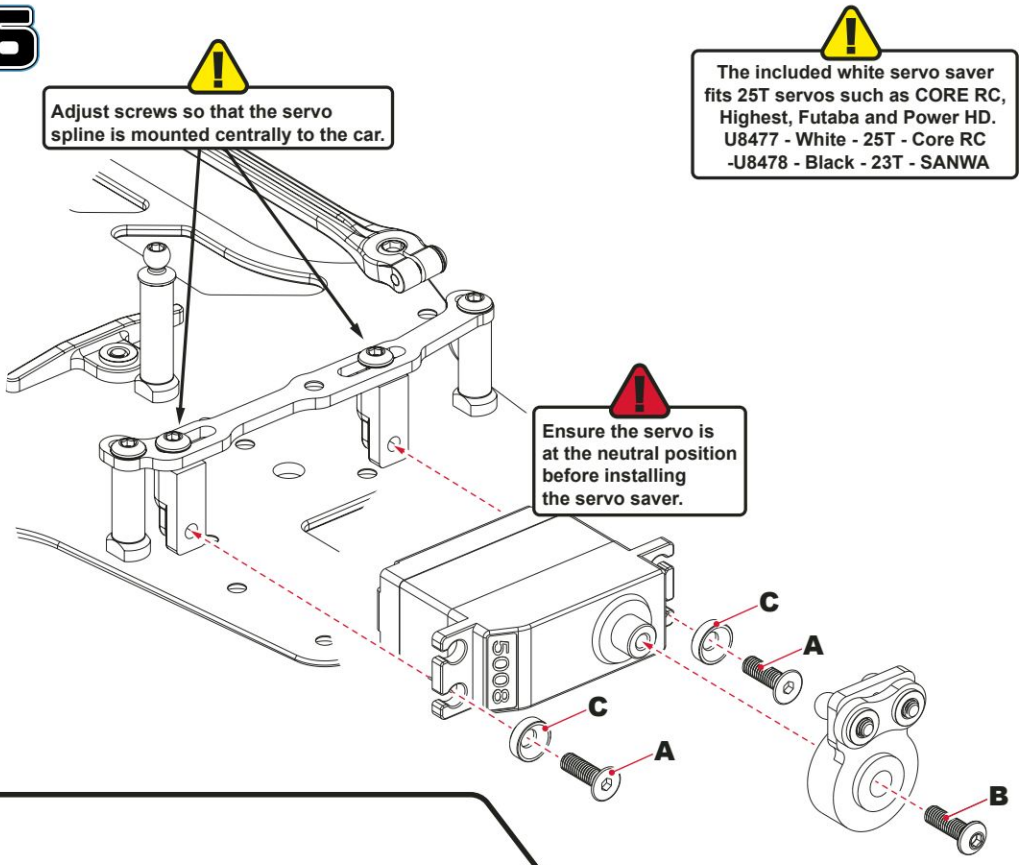
ECLIPSE6
WORLD WINNING DESIGN

Step 9b

A x2
M3 x 10 Csk Hd Screw

B x1
M3 x 10 Button Hd Screw

C x2
M3 Csk Washer



Optional fit for SANWA SERVOS

PGS-HR Servo
#SA107A54573A

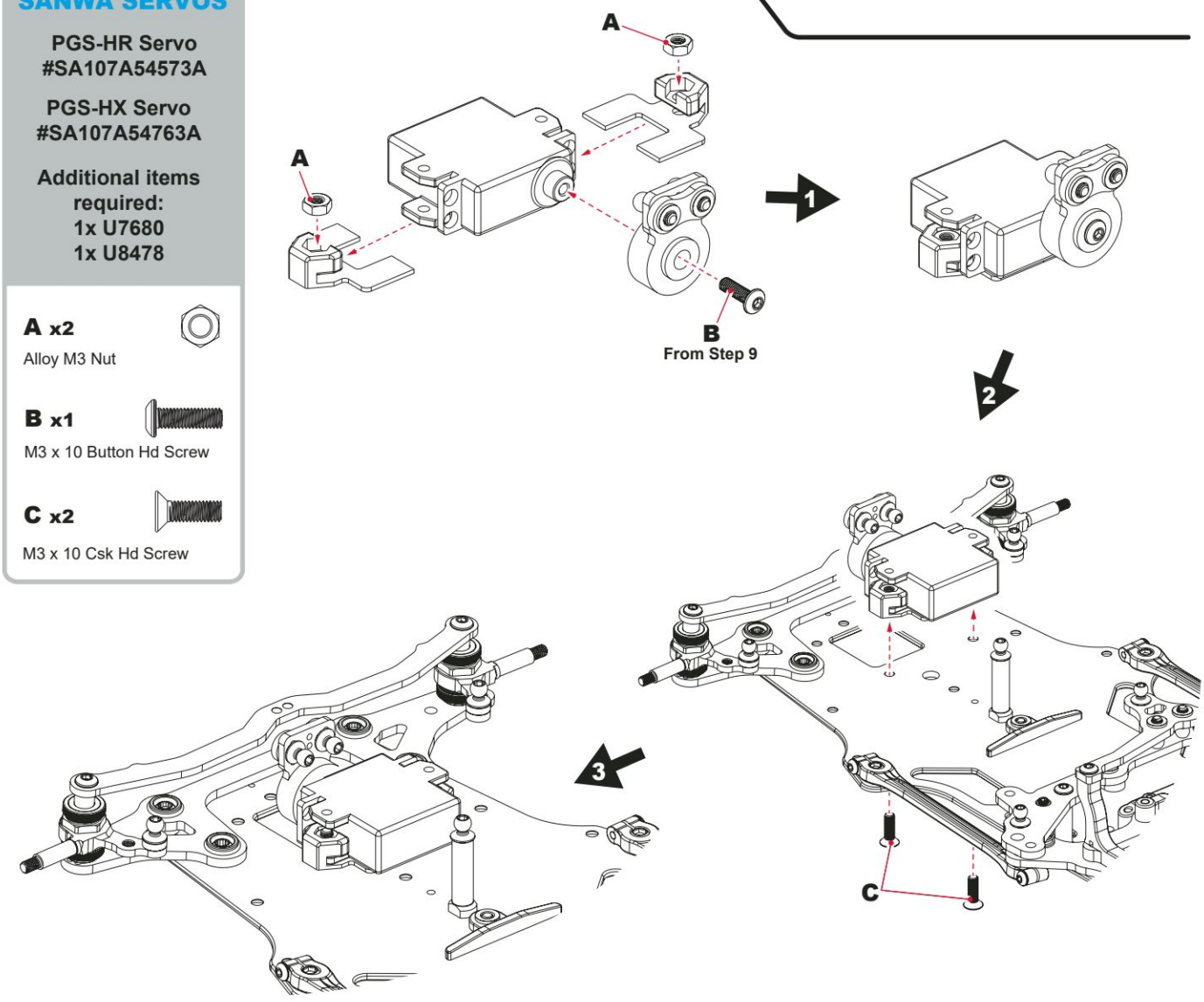
PGS-HX Servo
#SA107A54763A

Additional items required:
1x U7680
1x U8478

A x2
Alloy M3 Nut

B x1
M3 x 10 Button Hd Screw

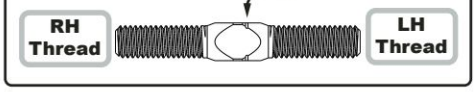
C x2
M3 x 10 Csk Hd Screw



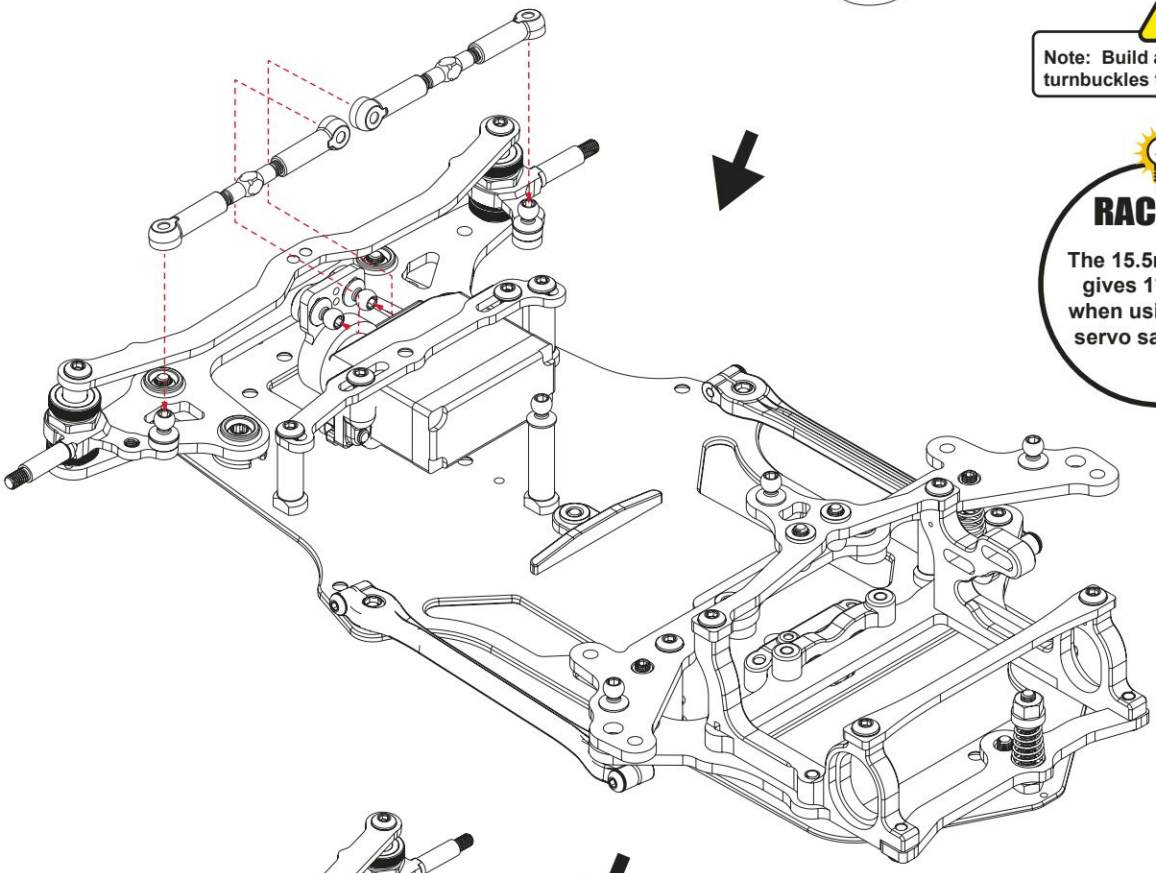
ECLIPSE 6
WORLD WINNING DESIGN

Step 9c

Note the shape of the turnbuckle.
This groove indicates the left hand thread.

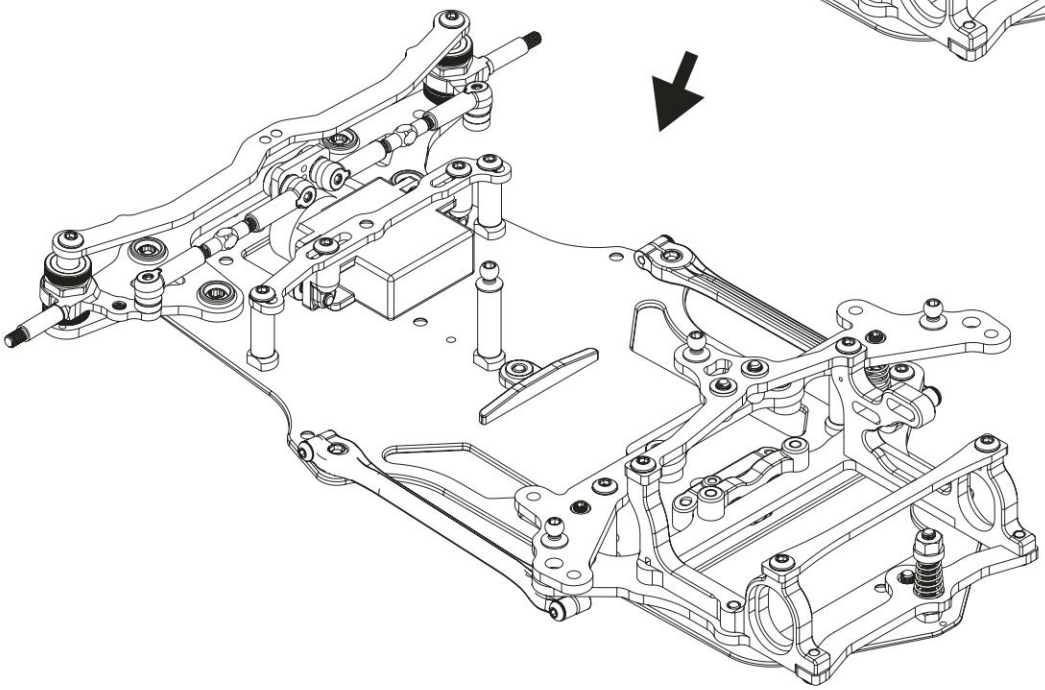


Note: Build a pair of turnbuckles the same length.



RACE TIP

The 15.5mm Width gives 1° toe out when using the kit servo saver type.



ECLIPSE6
WORLD WINNING DESIGN

Step 10

A x3
M3 x 5 Button Hd Screw

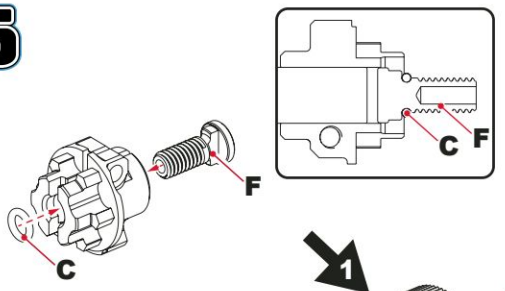
B x2
M2.5 x 8 Cap Hd Screw

C x2
'O' Ring

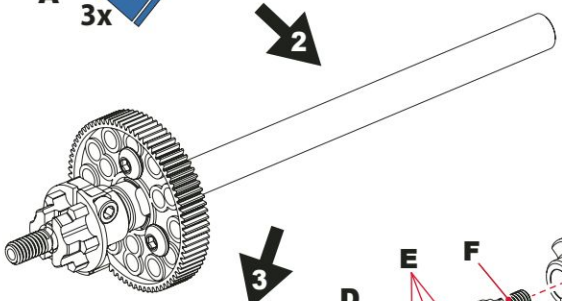
D x2
1/4" x 3/8" Flanged Bearing

E x6
1/4" x ø8mm x 0.50 Spacer

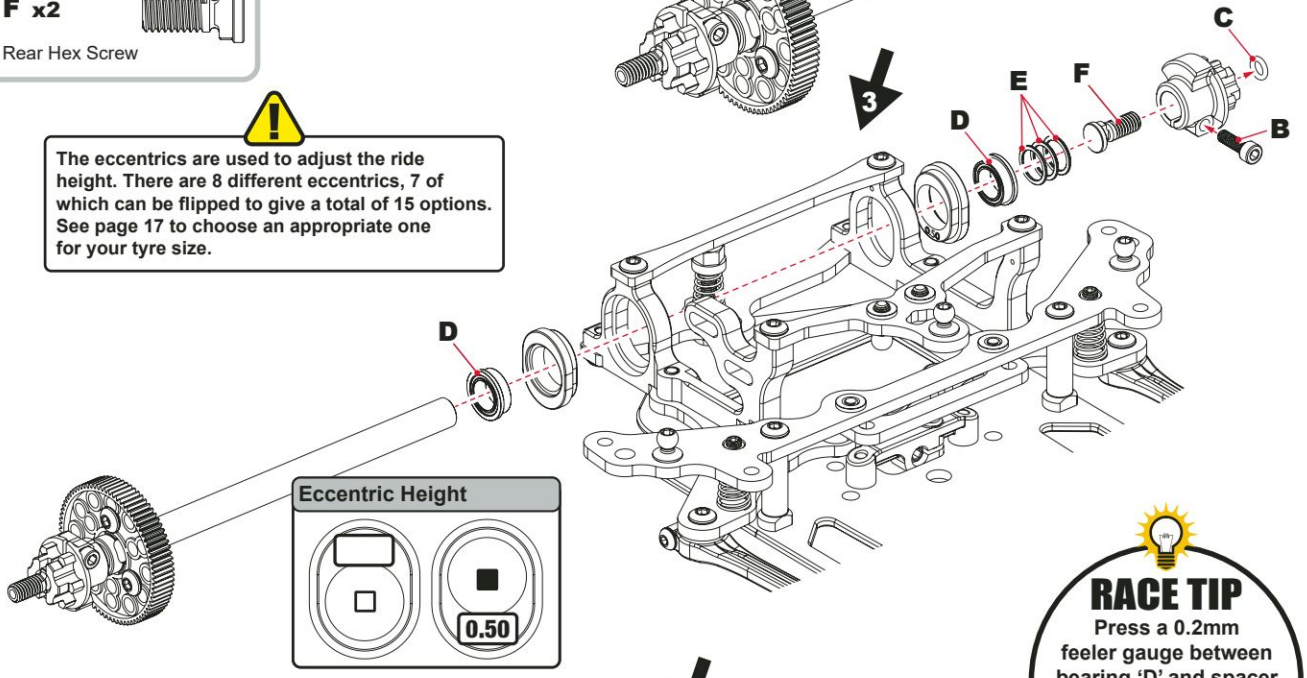
F x2
Rear Hex Screw



Ensure the flats on 'F' engage in the slot.

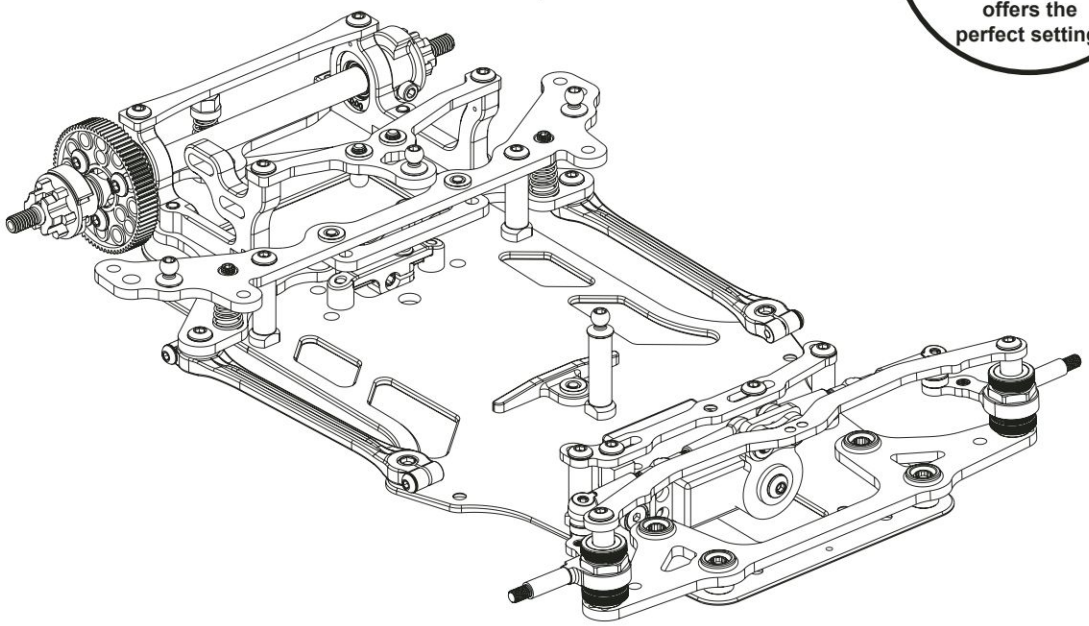


The eccentrics are used to adjust the ride height. There are 8 different eccentrics, 7 of which can be flipped to give a total of 15 options. See page 17 to choose an appropriate one for your tyre size.



RACE TIP
Press a 0.2mm feeler gauge between bearing 'D' and spacer 'E' when tightening screw 'B '. This easily offers the perfect setting.





ECLIPSE6
WORLD WINNING DESIGN

Step 11

A x3
M3 x 14 Grub Screw

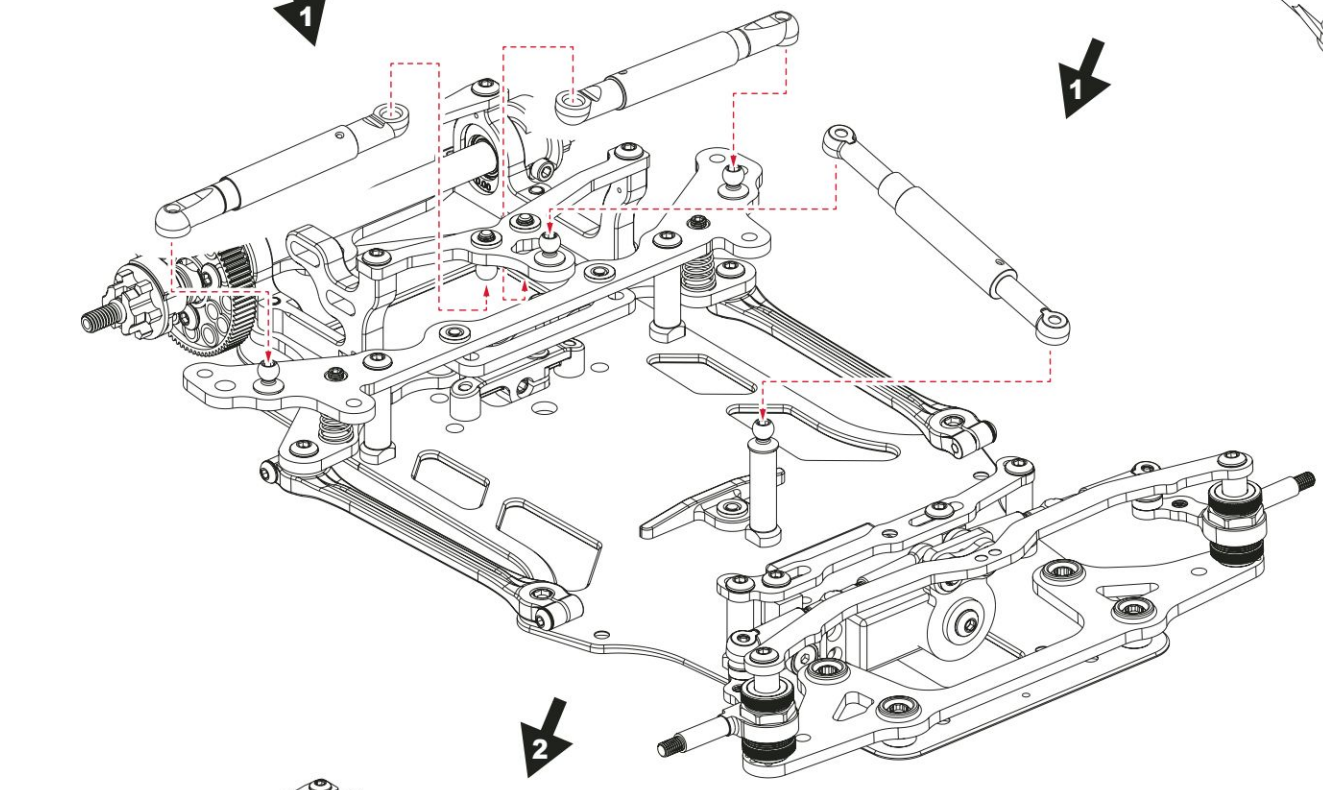
Make two side dampers the same with the short sockets.
Use the Damper Rods with the smaller ID.

Make the centre damper with the long sockets.
Use the Damper Rod with the larger ID.

Use the included spanner to tighten the sockets.

Damper Rod Smaller Centre Internal Diameter.
Silicone OIL 12000 cSt
A

A
Silicone OIL 30000 cSt
Damper Rod Larger Centre Internal Diameter.

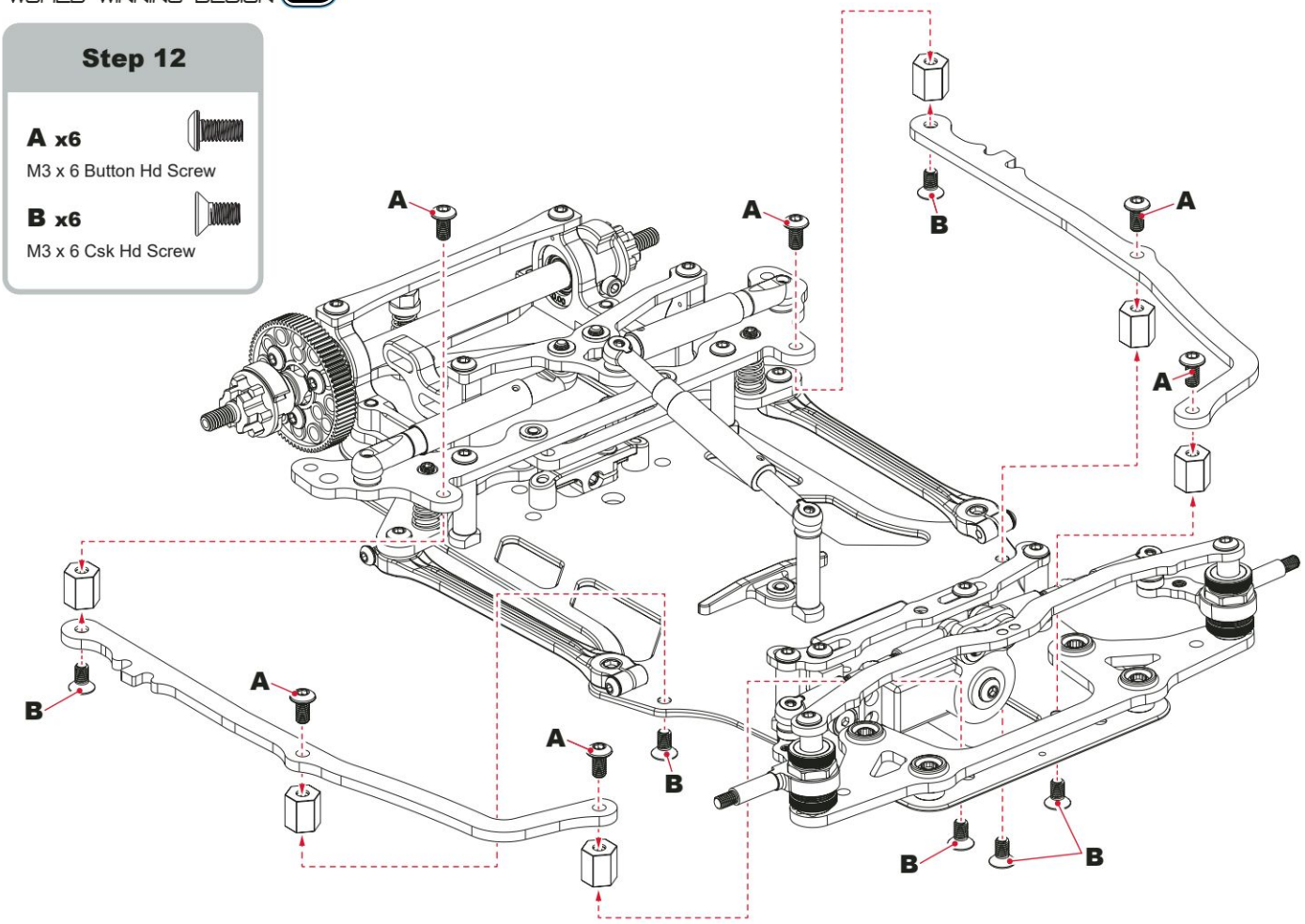


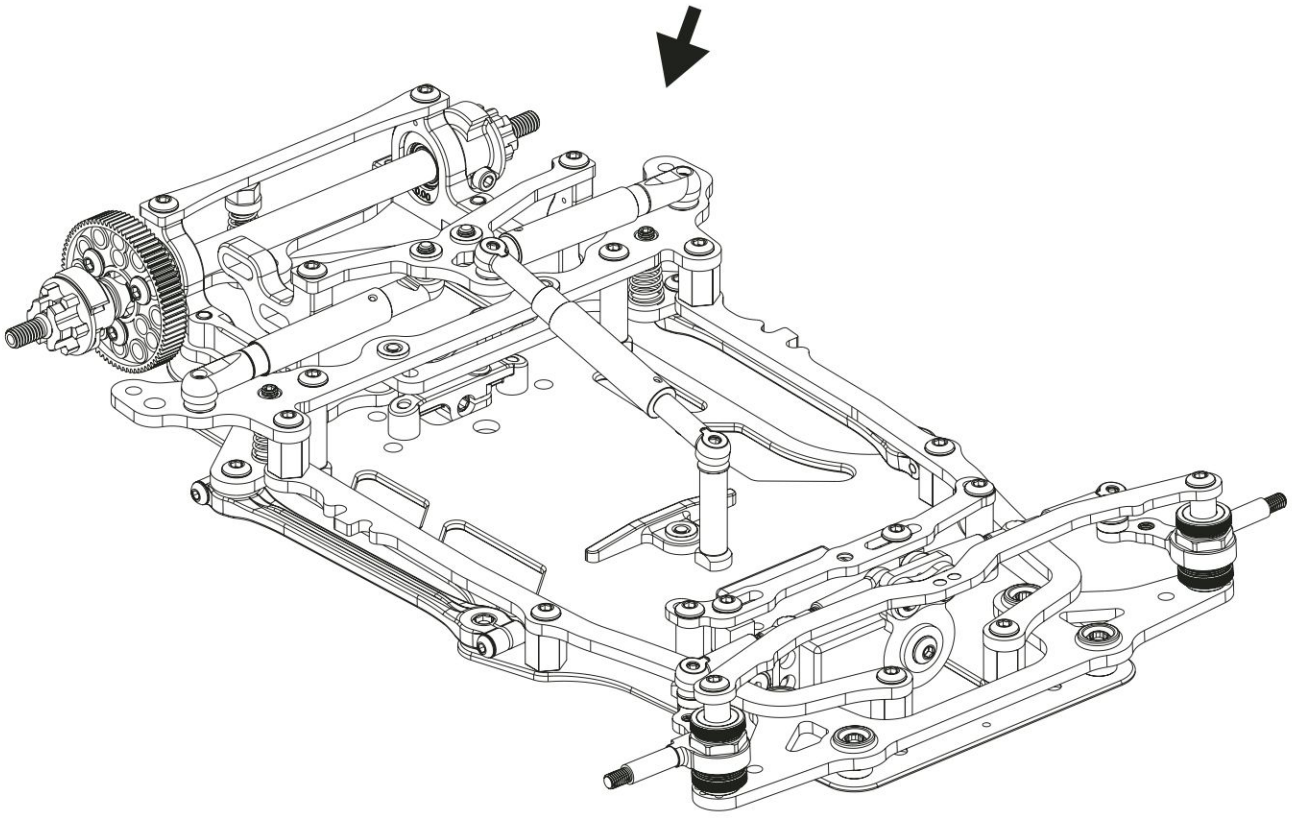
ECLIPSE 6
WORLD WINNING DESIGN

Step 12

A x6
M3 x 6 Button Hd Screw

B x6
M3 x 6 Csk Hd Screw





ECLIPSE6
WORLD WINNING DESIGN

Step 13

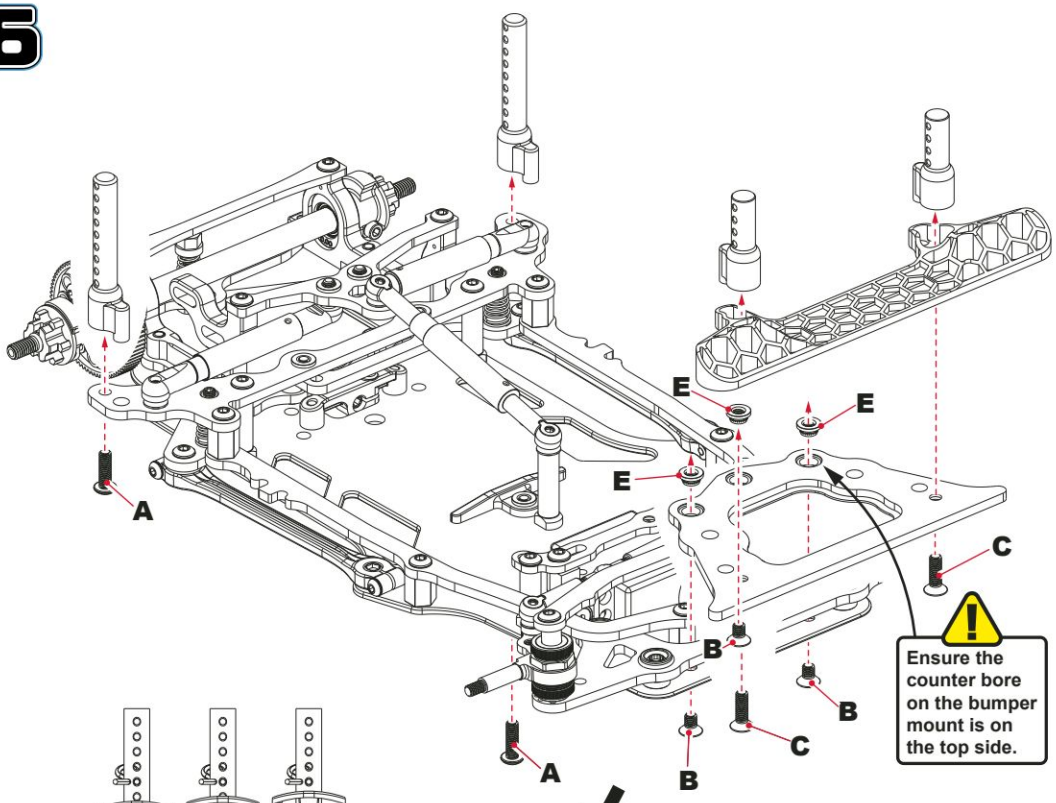
A x2
M3 x 10 Button Hd Screw

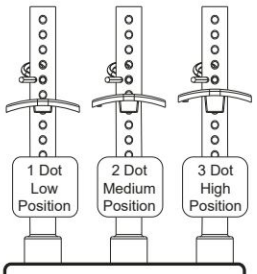
B x3
M3 x 5 Csk Hd Screw

C x2
M3 x 10 Csk Hd Screw

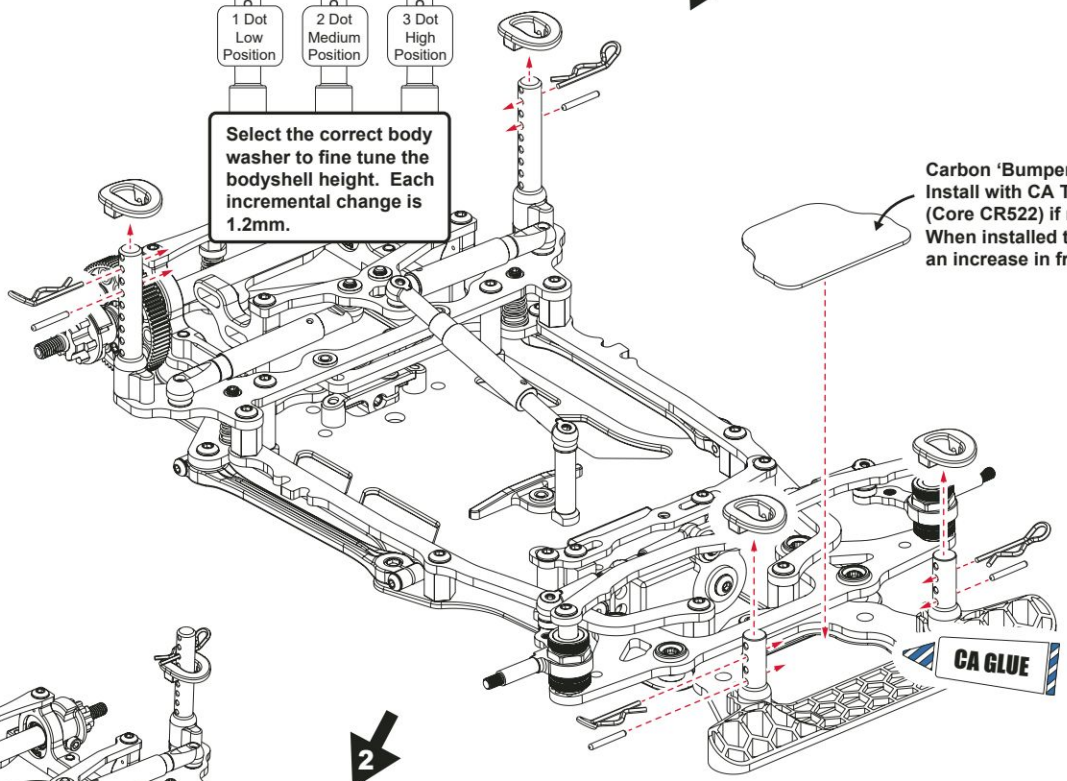
D x4
Pin ø1.5 x 11.8

E x3
M3 Thread Insert

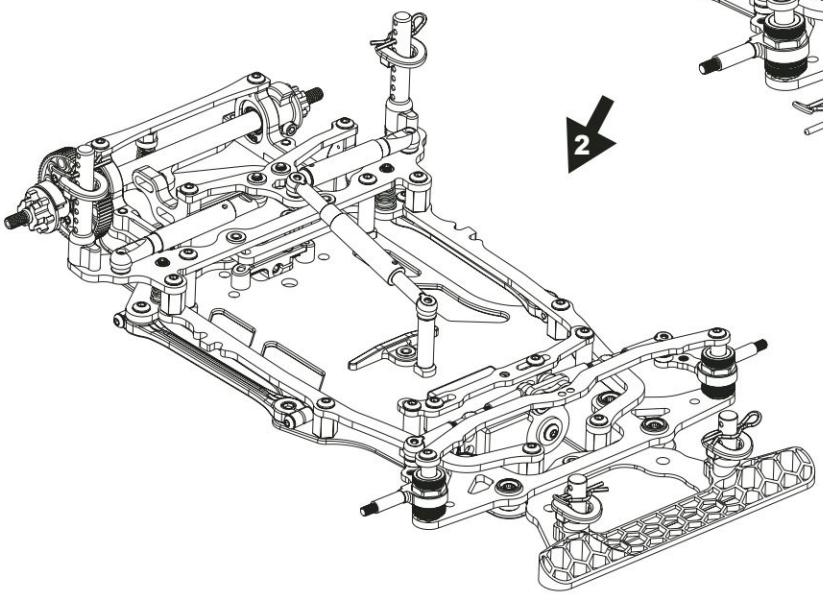




Select the correct body washer to fine tune the bodyshell height. Each incremental change is 1.2mm.



Carbon 'Bumper Insert' Install with CA Tyre Glue (Core CR522) if required. When installed there is an increase in front grip.



ECLIPSE 6
WORLD WINNING DESIGN

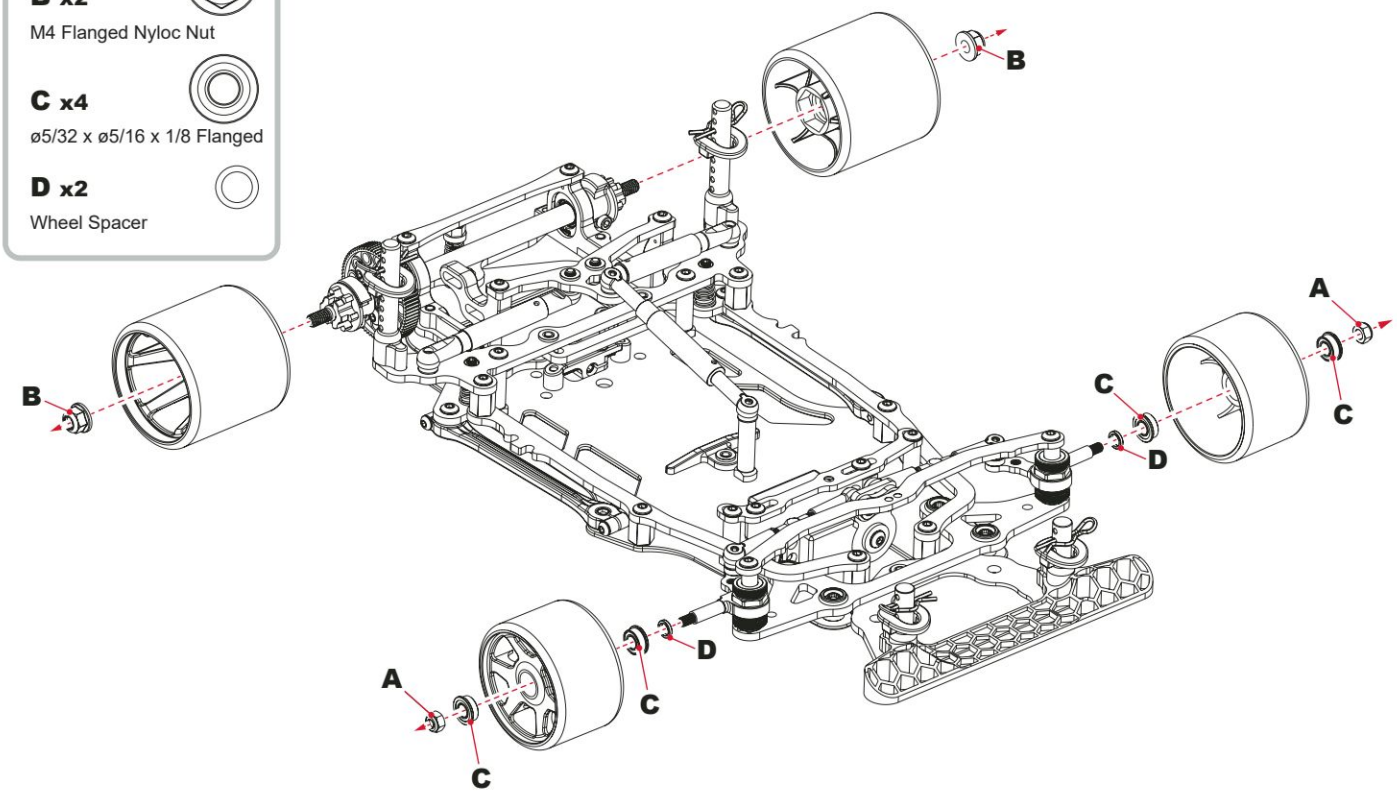
Step 14

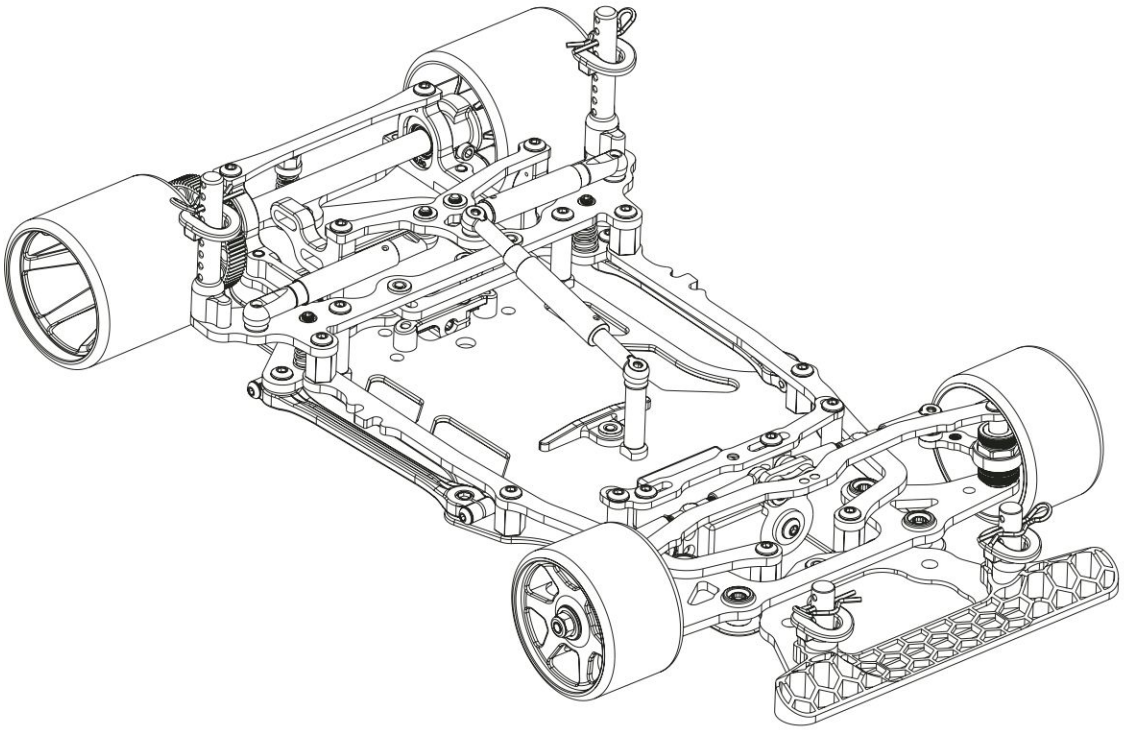
A x2
Alloy M3 Nyloc Nut

B x2
M4 Flanged Nyloc Nut

C x4
ø5/32 x ø5/16 x 1/8 Flanged

D x2
Wheel Spacer



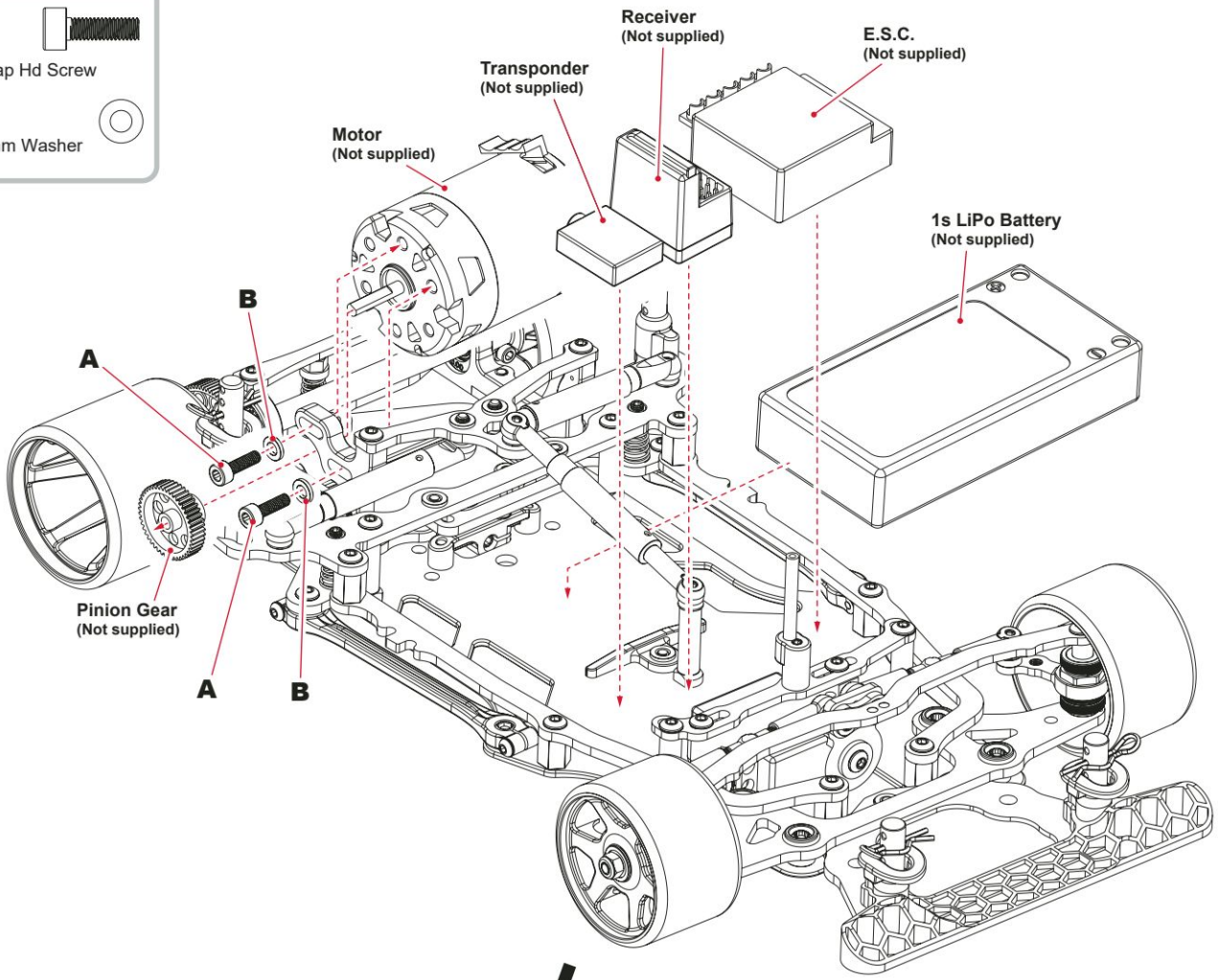


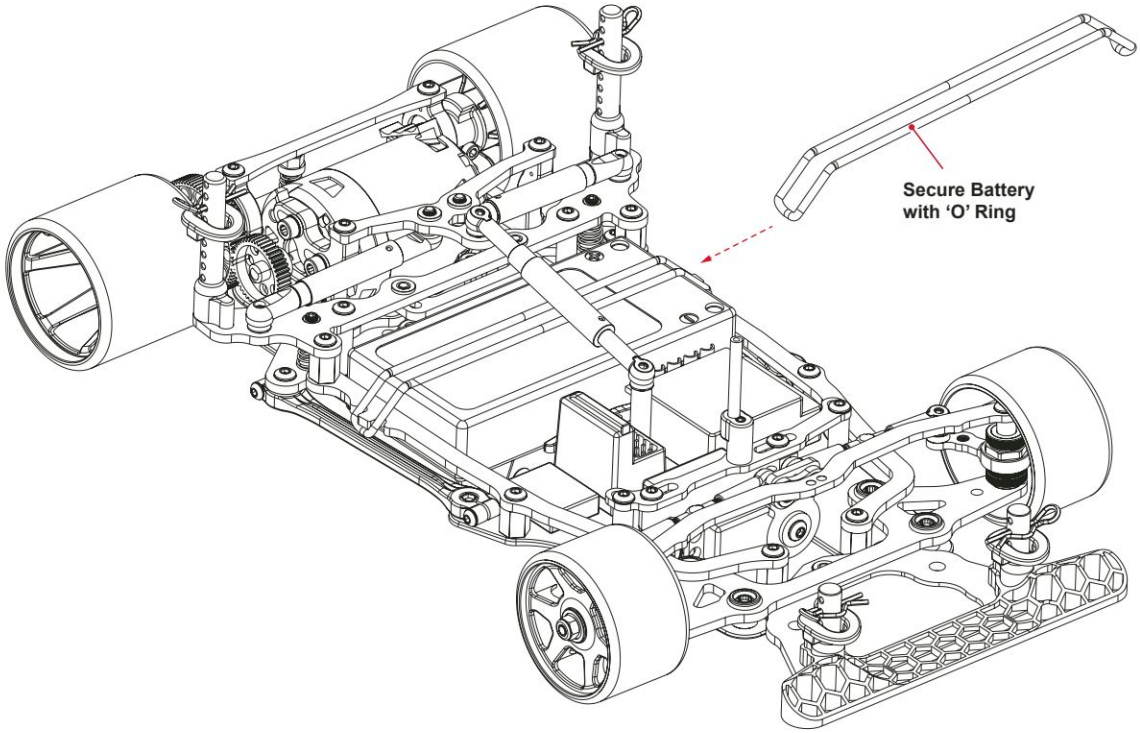
ECLIPSE 6
WORLD WINNING DESIGN

Step 15

A x2
M3 x 10 Cap Hd Screw

B x2
Black 1.0mm Washer





TRACK SETTINGS

RIDE HEIGHT & CASTOR

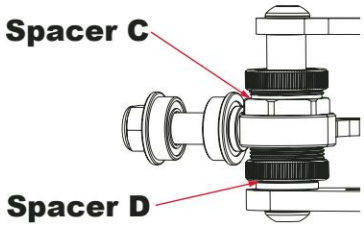
See Page 7 - Step 7

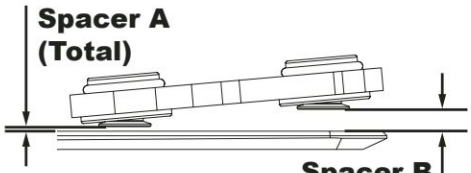
Front Ride Height & Castor Chart

Tyre Size	Ride Height**	Castor	Spacer A	Spacer B	Spacer C*	Spacer D*
39.5mm	3.4mm	3°	0.5mm	1.5mm	0.0mm	0.5mm (Kit)
40.5mm	3.4mm	3°	1.0mm	2.0mm	0.0mm	0.5mm
41.5mm	3.4mm	3°	1.5mm	2.5mm	0.0mm	0.5mm
42.5mm	3.4mm	3°	2.0mm	3.0mm	0.0mm	0.5mm
39.5mm	3.4mm	4°	0.0mm	1.5mm	0.0mm	0.5mm
40.5mm	3.4mm	4°	0.5mm	2.0mm	0.0mm	0.5mm
41.5mm	3.4mm	4°	1.0mm	2.5mm	0.0mm	0.5mm
42.5mm	3.4mm	4°	1.5mm	3.0mm	0.0mm	0.5mm
39.5mm	3.4mm	5°	0.0mm	2.0mm	0.25mm	0.25mm
40.5mm	3.4mm	5°	0.5mm	2.5mm	0.25mm	0.25mm
41.5mm	3.4mm	5°	1.0mm	3.0mm	0.25mm	0.25mm
42.5mm	3.4mm	5°	1.5mm	3.5mm	0.25mm	0.25mm

*One Black King Pin Spacer = 0.25mm
**Ride height values are only accurate for the kit spring.
Changing the spring may affect the ride height.

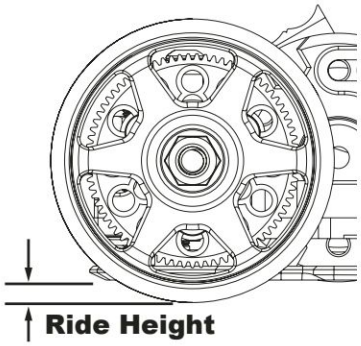
- Increasing spacer 'C' increases ride height.
- Changing spacer 'D' doesn't affect ride height.
- Increasing spacer 'C' or 'D' decreases droop.





Rear

Use the eccentrics to adjust the rear ride height. Raising the axle lowers the ride height. Lowering the axle raises the ride height.
The recommended ride height is 3.5mm on carpet.
This is measured between the bottom of the chassis and the ground with the car in running trim. First press the car down on to the ground and release it once or twice to settle the suspension before adjusting the ride height.

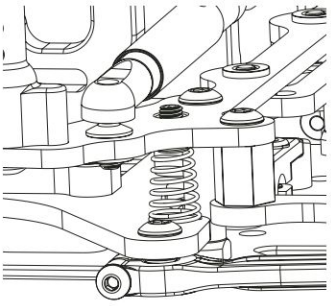


ROLL SPRINGS

See Page 6 - Step 5

Roll springs are used to control the cars steeing balance. A softer spring will give an easier to drive car. Stiffer roll springs can be used to give a more aggressive 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.

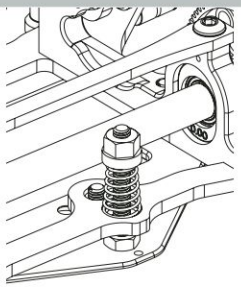


REAR BUMP SPRING

See Page 5 - Step 4b

This spring is used to set the pod angle of the car. Adjust the spring tension so that the pod is horizontal when the car is on a flat surface.

A softer bump spring will give a more aggressive car entering the corner, but offers more grip mid corner and on corner exit. It will also improve the cars bump handling.

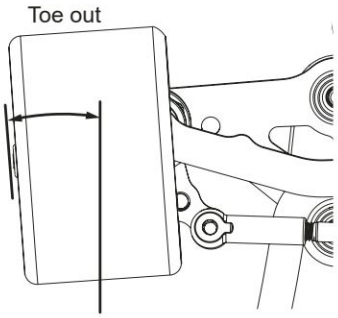


FRONT TOE

See Page 10 - Step 9c

Parallel front wheels or a slight toe out (up to 1 degree per side) is the recommended setting.

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



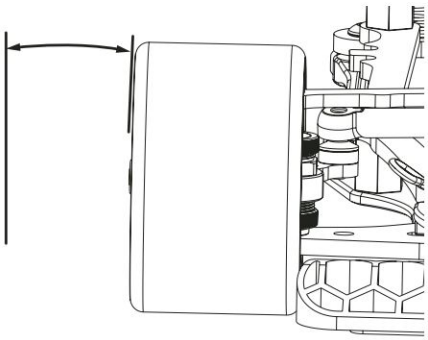
CAMBER

See Page 8 - Step 8

Increasing the negative camber angle will increase the cars 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.

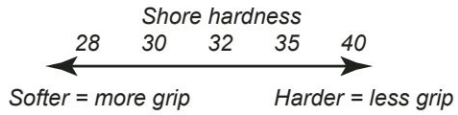
As a general rule, setting the camber so that the tyres wear without any coning will give the most ideal setting in usual conditions.

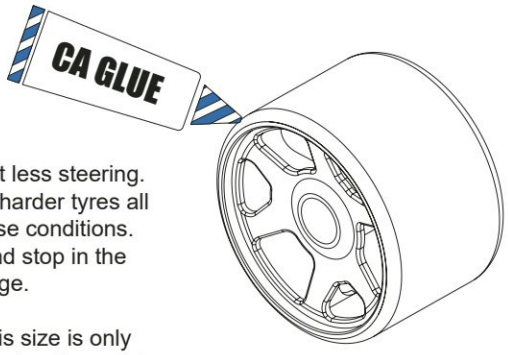


TYRES

See Page 15 - Step 14

The most important factor in racing is to get the tyres right. Contact foam tyres are designed for use on carpet tracks.





Use softer front tyres if you want more steering, and harder front tyres if you want less steering. In high traction conditions sometimes you can have too much overall grip. Using harder tyres all round should make you faster through the corners with less traction rolling in these conditions. If the track grip is not high enough, or the tyres are too hard, the car may slide and stop in the corners, if this is the case, reduce the shore rating until the track conditions change.

RACE TIP - 41.5mm rear, 40.5mm front is a good all round tyre size, reducing this size is only an advantage in extreme conditions to prevent grip roll. If you have too much steering then add a thin layer of superglue (CORE Racing #CR522) to the outside edge of the front tyre to reduce the front tyre grip. This can be used to prevent grip roll in extreme conditions.

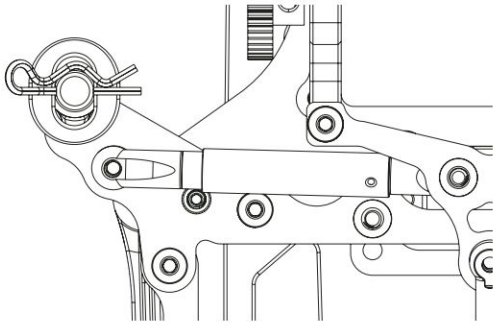
REAR ROLL DAMPING

See Page 12 - Step 11

Generally, in high traction conditions, thinner roll damping oil is better. Low traction tracks may require thicker damping.

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

A good range is between 7,000cSt (Light) and 20,000cSt (Heavy).

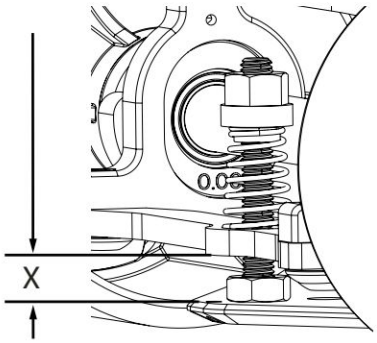


POD ANGLE AND HEIGHT

See Page 5 - Step 4b

When X= 4.3mm, the pod angle is 0°. This respresents the kit setting.
This gives best support for the rear roll springs and set the kit motor height.
If this number is decreased, the motor height will drop below the chassis, and be the ride height limitation. It is generally not best to do this, except in ultra high traction, where lifting the chassis may also be benefitial.

This can be be adjusted in small measures to quickly change ride height, however, it should not exceed less than 3.7mm and more than 4.8mm. Droop must be adjusted after this is done.



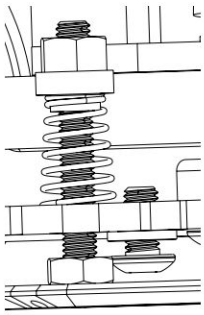
REAR DROOP

See Page 4 - Step 3

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 cars bump handling.

Start with 1mm of droop.

To set this, start with the droop screw fully screwed in and back it out to reduce droop. Measure this by measuring the cars 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 droop

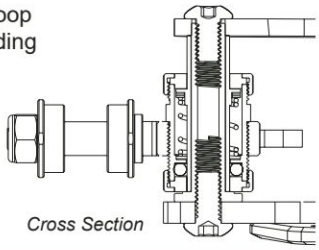


FRONT DROOP

See Page 7 - Step 7

Increasing Front Droop will make the car more agressive and have more front grip. Decreasing Front Droop makes the car smoother and easier, at the expense of rotation. The front droop can be decreased by adding shims above the spring: Black 0.1mm shims (1 laser etched line) - U9013 or Black 0.2mm shims (no marking) - U9012. **Please note that this also increases the ride height**
You can also decrease droop by adding shims under the hub carrier: 0.1mm - U4350 or 0.4mm -U4124.

!!Caution!! – Be careful to avoid under hub carrier shims being trapped under the sleeve when securing the camber strap!



Cross Section

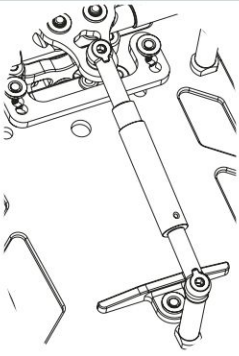
REAR BUMP DAMPING

See Page 12 - Step 11

Generally, in high traction conditions, thinner bump damping oil is better.
Low traction tracks may require thicker 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 betweeen 15,000cSt and 50,000cSt.

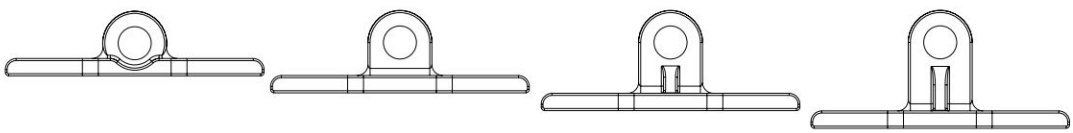


LIPO POSITION

See Page 2 - Step 1

Moving the LiPo forward will make the car smoother and easier to drive.

Moving the LiPo rearward will make the car more aggressive and provide more steering. It may help prevent rear wheel lifting when traction is very high.



ROLL CENTRE ADJUSTMENT (SPEED SECRET)

See Page 3 - Step 2 & Page 4 - Steps 3, 4a

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.

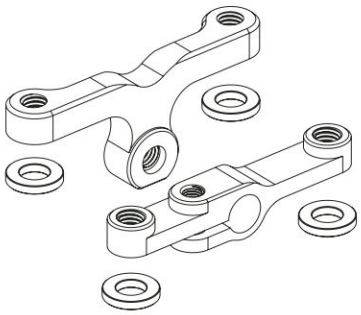
Lowering the roll centre (removing spacers) will give the car more grip and increase chassis roll.

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 1mm spacers below them to achieve the kit roll centre setting.

Both parts MUST have equal spacers below them.

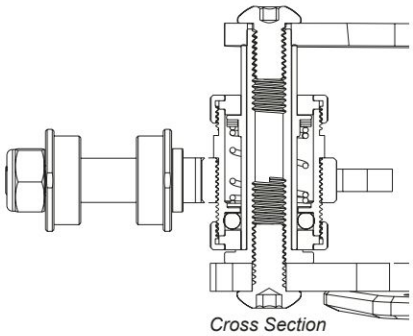
Using **U7897 - Alloy Pivot Spacer 1mm pr** will make roll centre adjustment easier.



FRONT SPRINGS

See Page 7 - Step 7

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.



Cross Section

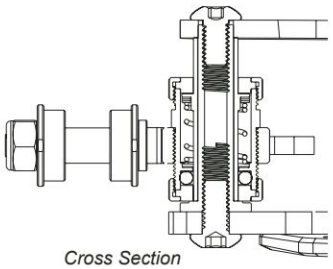
FRONT DAMPING

See Page 7 - Step 7

Front damping can be used to tune the car depending on the track traction levels. Like rear damping, in high traction track conditions, thinner oil is required, compared to low traction track conditions where thicker oil can improve the cars driveability.

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 to 40,000cSt

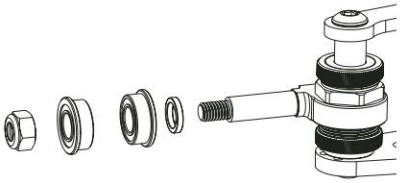


Cross Section

FRONT TRACK WIDTH

See Page 15 - Step 14

Wider Front Track Width will make the car easier to drive in general, with less steering/rotation in the corners.
Narrower front track width will make the car harder to drive in general, with more steering /rotation in the corners.
Beam width can also be used to adjust the track width. Additionaly there is also a 1mm spacer that can be removed to narrow the width. Be careful with width rules when changing the car's width.

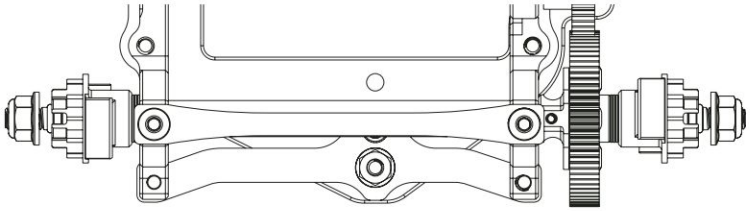


REAR TRACK WIDTH

See Page 11 - Step 10

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 1.5mm of spacers on the right and left (remove or add spacers equally to adjust track width).



GEARING CHART

Pinion \ Spur	72	76	78	88	94
19				28.15	26.35
20				29.63	27.74
21				31.11	29.13
22				32.59	30.51
23				34.08	31.90
24				35.56	33.29
25				37.04	34.67
26				38.52	36.06
27				40.00	37.45
28				41.48	38.84
29			48.47	42.96	40.22
30			50.14	44.45	41.61
31		53.18	51.82	45.93	43.00
32		54.90	53.49	47.41	44.38
33		56.61	55.16	48.89	45.77
34		58.33	56.83	50.37	47.16
35	63.38	60.04	58.50	51.85	48.54
36	65.19	61.76	60.17	53.34	49.93
37	67.00	63.47	61.85	54.82	51.32
38	68.81	65.19	63.52	56.30	52.71
39	70.62	66.90	65.19	57.78	54.09
40	72.43	68.62	66.86	59.26	55.48
41	74.24	70.33	68.53	60.74	
42	76.05	72.05	70.20	62.23	
43	77.86	73.77	71.87	63.71	
44	79.67	75.48	73.55	65.19	
45	81.49	77.20	75.22	66.67	
46	83.30	78.91	76.89	68.15	
47	85.11	80.63	78.56		
48	86.92	82.34	80.23		
49	88.73	84.06	81.90		
50	90.54	85.77	83.57		
51	92.35	87.49	85.25		
52	94.16	89.20	86.92		
53	95.97	90.92	88.59		
54	97.78	92.64	90.26		

In this chart we have given the mm/rev figures for our suggested tyre size of 41.5mm, for a range of spurs and pinions. If you prefer to use a different size tyre, or to calculate as they wear, complete the calculations below.
We suggest the use of 64DP spur and pinion gears in this kit, in order to have maximum efficiency and durability.

First work out the gear ratio from the spur gear and pinion. (For example 76/40 = 1.9).

Then complete the following equation:

$$\frac{43 \text{ (tyre dia)} \times \pi \text{ (3.142)}}{1.9 \text{ (gear ratio)}} = 71.1\text{mm/rev}$$

Minimum Combined Tooth Sum 107T (64DP)
Maximum Combined Tooth Sum 134T (64DP)

The Maximum and Minimum Combined tooth sum is found by adding the pinion and spur sizes together. This will show you quickly tell you if the pinion and spur combination you would like to run will fit the car.

All of the rollout options shown in the chart will fit the car.



ECLIPSE 6
WORLD WINNING DESIGN

OPTION PARTS





CR280 - Ti Pro Ball Studs - Short - (pr)
U7828 - Titanium Ball Stud Low (Ultra Short) (pk4)
U7829 - Titanium Ball Stud Low (Short) (pk4)



U8065 - M3 Alloy Thread Inserts pk8



U4298 - Turnbuckle HT - 35mm - pr
U7315 - Titanium Turnbuckle - 35mm - Silver - pr



U4328 - Impact Servo Saver



U7680 - Sanwa Servo Spacer pr



U7486 - Alloy Servo Mounts



U7825 - Titanium Pivot Ball 5.5mm Low (pr)



U9017 C/F Camber Strap 1.5deg 2 Dot - Eclipse 6 (kit)
U9019 C/F Camber Strap 1.0deg 1 Dot - Eclipse 6
U9020 C/F Wide Track Front Beam - Eclipse 6
U9021 C/F Wide Track Stiffening Brace & Posts -Eclipse 6
U9022 C/F Wide Camber Strap 1.5deg 4 Dot - Eclipse 6
U9023 C/F Wide Camber Strap 1.0deg 3 Dot - Eclipse 6



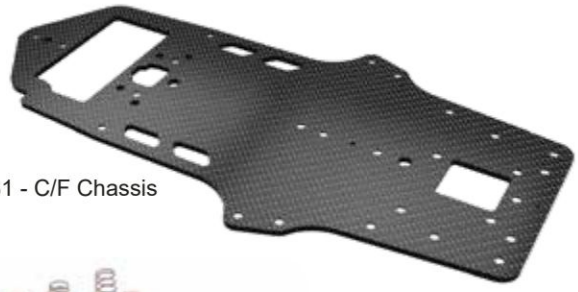
U7918 - Alloy Pivot Mount
U7919 - Alloy Pivot Block



U7938 - Chassis Post 8mm pr



U2135 - M4 Nyloc Wheel Nut - Purple Alloy (pk4)
U2810 - M4 Nyloc Wheel Nut - Red Alloy (pk4)
U2811 - M4 Nyloc Wheel Nut - Blue Alloy (pk4)



U8481 - C/F Chassis





U4838	Rear Springs Black - Soft pr - A1-A3,E1-E5,Icon/2
U4839	Rear Springs Silver - Med/Soft pr-A1-A3,E1-E5,Ic/2
U4840	Rear Springs Gold -Med/Hard pr - A1-A3,E1-E5,Ic/2
U4841	Rear Springs Nickel - Hard pr - A1-A3,E1-E5,Icon/2
U4846	Spring Tuning Set Rear - A1-A3,E1-E5,Icon/2
U7323	Rear Spring Black - Ultra pr - A-A3,E1-E5,Ic/2
U7322	Rear Spring Red Dot-Hard Ultra pr-A1-A3,E1-E5,Ic/2
U9004	Front Spring Silver 0.55N/mm - Eclipse 6
U9005	Front Spring Pink 0.7N/mm - Eclipse 6
U9006	Front Spring Green 0.9N/mm - Eclipse 6
U9007	Front Spring Bronze 1.25N/mm - Eclipse 6
U9009	Front Spring Yellow 1.66N/mm - Eclipse 6
U9016	Front Spring Set - Eclipse 6
U9031	Front Spring Black 2.25N/mm - Eclipse 6
U9032	Front Spring Nickel 3.0N/mm - Eclipse 6
U9010	Front Spring Grey 2.25N/mm - Eclipse 6

U1954 - Pro - Thrust Bearing
U4112 - S/Steel Shims 1/4x5/16x0.004
U4650 - SPEED PACK - M3 Nyloc Nut Steel - Black (10pcs)
U4808 - 1/8in Chrome Steel Ball - pk12
U4809 - Ball Bearing - 1/4x3/8x1/8 Shield - (pr)
U4811 - "1/8"" Silicone Nitride Ball (pk12)"
U4837 - SPEED PACK M2.5x10 Cap Hd (pk8)
U4855 - Diff Washer pr
U4861 - Diff Rebuild Kit
U4970 - C/F Rear Axle
U4974 - LH Wheel Clamp
U4975 - RH Washer Carrier
U7298 - Alloy Rear Wheel Screws pk6
U7883 - Steel Diff Axle
U8171 - Ball Diff Set

SPARES LISTS

Chassis Parts

AX034	Aerox Handed Body Clips - Black (pk8)
CR291	CORE RC 1/12 Servo Saver 25T Futaba
U119	Aerial Tube - Pack 4
U4627	Chassis Post Long - SS GT,A1-A3,E1-E5,Icon/2
U4773	Aerial Mount
U4950	Body Posts 4pcs -E1-E5,A2/3,FT,ST/2,Icon/2,FT8,Mi9
U4964	C/F - Pod Rear Brace - E1-E5,A3
U7488	Lipo O Ring pk6 - E2/5,Icon/2,A3
U7879	Chassis Post (16mm) - Atom 2,E5 (pr)
U7913	C/F Rear Lipo Stop - A2/3,E3-E5
U8142	C/F Multi Mount - Eclipse 4/5
U8464	C/F Topdecks - Eclipse 5,A3
U8465	C/F Servo Mount - Eclipse 5
U8467	Alloy Chassis - Eclipse 5
U8468	Moulded Chassis Post (4 pcs) - Eclipse 5,A3
U8469	Servo Post (pr) - Eclipse 5,A3
U8470	Chassis Post 21.1mm - Eclipse 5,A3
U8471	Hexagon 3D Bumper - Eclipse 5
U8472	Front LiPo Stop Pos 2 - Eclipse 5,A3
U8473	Front LiPo Stop Pos 3 - Eclipse 5,A3
U8474	Front LiPo Stop Pos 4 - Eclipse 5,A3
U8477	25T Servo Saver - Eclipse 5,A3
U8478	23T Servo Saver - Eclipse 5,A3
U8482	C/F Front End Spacer 1.0mm (4 pcs) - E5,A3
U8483	Front LiPo Stop Pos 1 - Eclipse 5,A3
U8997	C/F Pod Base - Eclipse 6
U8998	C/F Damper Mount - Eclipse 6
U8999	C/F Spring Hanger - Eclipse 6
U9003	C/F Front Beam (Kit) - Eclipse 6
U9014	C/F Bumper Mount - Eclipse 6
U9015	C/F Bumper Insert - Eclipse 6
U9017	C/F Camber Strap 1.5deg 2 Dot - Eclipse 6
U9024	LH Steering Knuckle Assembly - Eclipse 6
U9025	RH Steering Knuckle Assembly - Eclipse 6
U9028	Manual - Eclipse 6

Bodys & Decals

AX034	Aerox Handed Body Clips - Black (pk8)
MT019016	Montech M20 - 1/12 Clear Body Standard
MT019016L	Montech M20 - 1/12 Clear Body La Leggera
MT021002	Montech MT21 1/12 Body - Standard
MT021002L	Montech MT21 1/12 Body - Lightweight
MT024001	Montech 499 LMH 1/12 Body - Standard
MT024001L	Montech 499 LMH 1/12 Body - Lightweight
MT024007	Montech P963 LMH 1/12 Body - Standard
MT024007L	Montech P963 LMH 1/12 Body - Lightweight
TB60025	Bomber LMP Body Type Ketter - Light Weight
TB60027	Bomber LMP Body Type Ketter - Ultra Light
U9029	Decal - Eclipse 6

Transmission

CR515	CORE RC - Spur Gear 76T - 64DP
U4972	Ride Height Adjusters- 0-1.50 4prs - E1-E5,Ic/2,A3
U4973	Ride Height Adjusters 0.25-1.75 4prs- E1-5,Ic/2,A3
U7483	Trans Housing LH - A2/3,E2-E5
U7484	Trans Housing RH - A2/3,E2,E3,E4
U7899	Diff Spacer Set - A2/3,E4/5,Icon/2
U8989	Spool Axle Assembly - Eclipse 6
U8995	Rear Hex (pr) - Eclipse 6
U8996	Rear Hex Axle Screw (pr) - Eclipse 6

Bearings & Balls

U4980	Ball Bearing - 1/4x3/8x1/8 Flanged Yellow - (pr)
U9027	Ball Bearing - 5/32 x 5/16 x 1/8 Flanged (pr)

Hardware

CR517	M3 Alloy Nyloc Nuts-Low Profile-Black pk10
CR801	Double Sided Tape Pads 25mm x 20mm - pk24
U1544	SPEED PACK - Short M3; Cap Hd
U1633	SPEED PACK - Small Pins (pk)

Hardware Cont.

U2356	SPEED PACK - M3x16-30 Csk Screws (pk12)
U2760	SPEED PACK - M3 Button Hd; 4 to 20
U2812	M4 Nyloc Wheel Nut - Black Alloy (pk4)
U3021	SPEED PACK - M3x6 Csk Hd - (pk10)
U3022	SPEED PACK - M3x8 Csk Hd - (pk10)
U3023	SPEED PACK - M3x10 Csk Hd - (pk10)
U3131	SPEED PACK Alloy Spacers - M3x7mm 0.5;1;2mm (pk18)
U3572	SPEED PACK - M3x14 Grub Screw pk4
U4155	SPEED PACK - M3 Csk Washers - Black Alloy (pk10)
U4156	SPEED PACK - M2.5 x 8 Cap SS (4 pcs)
U4314	SPEED PACK - Alloy Black M3 Washers - 18pc
U4984	SPEED PACK M3 Alloy Nuts - Black - pk10
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)
U7112	SPEED PACK - M3x8 Cap Hd (pk10)
U7113	SPEED PACK - M3x10 Cap Hd (pk10)
U7125	SPEED PACK - M3x25 Csk Hd (pk10)
U7707	M3 Steel Washers (pk10)
U7710	M3 Black Alloy Washers 1.00mm (pk10)
U7711	M3 Black Alloy Washers 2.00mm (pk10)
U7743	M2.5 X 8 Button Screws (pk10)
U8168	5 x 1 `O`ring (pk10)
U8345	O'Ring 5x1.5 Red (pk 10)
U8351	M3x5 Csk Hd (pk10)
U8536	M3x4 Grub Screw Cup Point - (pk10)
U8794	M3 Brass Black Thread Inserts - pk10
U8801	SPEED PACK - M3x5 Button Hd (pk10)
U9012	Shim 5.6x7.7x0.2 (pk8) - Eclipse 6
U9013	Shim 5.6x7.7x0.1 (pk8) - Eclipse 6
U9026	3 x 1 'O'ring (pk10)
U9030	Steering Spacer 4.05x5.65x1mm - Eclipse 6

Springs

U4838	Rear Springs Black - Soft pr - A1-A3,E1-E5,Icon/2
U4839	Rear Springs Silver - Med/Soft pr-A1-A3,E1-E5,Ic/2
U4840	Rear Springs Gold -Med/Hard pr - A1-A3,E1-E5,Ic/2
U4841	Rear Springs Nickel - Hard pr - A1-A3,E1-E5,Icon/2
U4846	Spring Tuning Set Rear - A1-A3,E1-E5,Icon/2
U7323	Rear Spring Black - Ultra pr - A-A3,E1-E5,Ic/2
U7322	Rear Spring Red Dot-Hard Ultra pr-A1-A3,E1-E5,Ic/2
U9004	Front Spring Silver 0.55N/mm - Eclipse 6
U9005	Front Spring Pink 0.7N/mm - Eclipse 6
U9006	Front Spring Green 0.9N/mm - Eclipse 6
U9007	Front Spring Bronze 1.25N/mm - Eclipse 6
U9009	Front Spring Yellow 1.66N/mm - Eclipse 6
U9016	Front Spring Set - Eclipse 6
U9031	Front Spring Black 2.25N/mm - Eclipse 6
U9032	Front Spring Nickel 3.0N/mm - Eclipse 6
U9010	Front Spring Grey 2.25N/mm - Eclipse 6



For the latest spares and option parts visit.....

Suspension

CR896	CORE RC Damper Grease - Light
CR897	CORE RC Damper Grease - Medium
CR898	CORE RC Damper Grease - Heavy
U4274	Pro Ball Stud Short - pk4
U4302	Ball Socket Short (Black) pk4
U4847	Rear Spring Seat - A1-A3,E1-E5,Icon/2
U4968	Ball Sockets Low Profile -Eclipse,PC,A3 - pk4
U7322	Rear Spring Red Dot-Hard Ultra pr-A1-A3,E1-E5,Ic/2
U7787	Shock Top Ball Dia 5.5mm - Mi7,Icon 2,E5,A3 (pk4)
U7832	Ball Stud Low (Ultra Short) (pk4)
U7833	Ball Stud Low (Short) (pk4)
U7871	Pivot Mouldings - A2/3,E3-E5,Icon/2
U7872	Side Link pr - A2/3,E3-E5,Icon/2
U8087	Alloy Damper Body - Icon/2, E4/5,A3
U8088	Damper Rod - Icon, E4
U8264	Alloy M3 Turnbuckle - 35mm - Black (pr)
U8337	Damper Rod V2 - Icon/2, E4/5,A3
U8475	Front Pivot Ball (pr) - Eclipse 5,A3
U8991	Front Damper Bush (pk4) - Eclipse 6
U8992	Front Damper Cap (pr) - Eclipse 6
U8993	Front Damper Sleeve (pr) - Eclipse 6
U8994	King Pin (pr) - Eclipse 6
U9002	Side Spring Seat (pr) - Eclipse 6
U9010	Front Spring Grey 2.25N/mm - Eclipse 6

Pinions

U3619	Pinion; Hard Alloy 64dp - 19T
U3620	Pinion; Hard Alloy 64dp - 20T
U3621	Pinion; Hard Alloy 64dp - 21T
U3622	Pinion; Hard Alloy 64dp - 22T
U3623	Pinion; Hard Alloy 64dp - 23T
U3624	Pinion; Hard Alloy 64dp - 24T
U3625	Pinion; Hard Alloy 64dp - 25T
U3626	Pinion; Hard Alloy 64dp - 26T
U3627	Pinion; Hard Alloy 64dp - 27T
U3628	Pinion; Hard Alloy 64dp - 28T
U3629	Pinion; Hard Alloy 64dp - 29T
U3630	Pinion; Hard Alloy 64dp - 30T
U3631	Pinion; Hard Alloy 64dp - 31T
U3632	Pinion; Hard Alloy 64dp - 32T
U3633	Pinion; Hard Alloy 64dp - 33T
U3634	Pinion; Hard Alloy 64dp - 34T
U3635	Pinion; Hard Alloy 64dp - 35T
U3636	Pinion; Hard Alloy 64dp - 36T
U3637	Pinion; Hard Alloy 64dp - 37T
U3638	Pinion; Hard Alloy 64dp - 38T
U3639	Pinion; Hard Alloy 64dp - 39T
U3640	Pinion; Hard Alloy 64dp - 40T
U3641	Pinion; Hard Alloy 64dp - 41T
U3642	Pinion; Hard Alloy 64dp - 42T
U3643	Pinion; Hard Alloy 64dp - 43T
U3644	Pinion; Hard Alloy 64dp - 44T
U3645	Pinion; Hard Alloy 64dp - 45T
U3646	Pinion; Hard Alloy 64dp - 46T
U3647	Pinion; Hard Alloy 64dp - 47T
U3648	Pinion; Hard Alloy 64dp - 48T
U3649	Pinion; Hard Alloy 64dp - 49T
U3650	Pinion; Hard Alloy 64dp - 50T

Option Parts

AM364090	Spur Gear 64P - 90T
AM364092	Spur Gear 64P - 92T
AM364094	Spur Gear 64P - 94T
AM364096	Spur Gear 64P - 96T
AM364098	Spur Gear 64P - 98T
AM364100	Spur Gear 64P - 100T
AM364102	Spur Gear 64P - 102T
AM364104	Spur Gear 64P - 104T
AM364106	Spur Gear 64P - 106T
AM364108	Spur Gear 64P - 108T
AM364110	Spur Gear 64P - 110T

Option Parts Cont.

AM364112	Spur Gear 64P - 112T
AM364114	Spur Gear 64P - 114T
AM364116	Spur Gear 64P - 116T
CR280	Ti Pro Ball Studs - Short - (pr)
CR509	Kimbrough - Thin Pro/Gear 88T - 64DP-#709
CR513	CORE RC - Spur Gear 78T - 64DP
U1954	Pro - Thrust Bearing
U2135	M4 Nyloc Wheel Nut - Purple Alloy (pk4)
U2811	M4 Nyloc Wheel Nut - Blue Alloy (pk4)
U3582	Precision Balance Pivot Set
U4112	S/Steel Shims 1/4x5/16x0.004
U4298	Turnbuckle HT - 35mm - pr
U4328	Impact Servo Saver 23T/25T
U4808	1/8in Chrome Steel Ball -At,Ecl,Icon/2 - pk12
U4809	Ball Bearing - 1/4x3/8x1/8 Shield - (pr)
U4811	1/8" Silicone Nitride Ball (pk12)
U4838	Rear Springs Black - Soft pr - A1-A3,E1-E5,Icon/2
U4846	Spring Tuning Set Rear - A1-A3,E1-E5,Icon/2
U4855	Diff Washer pr - A1-A3,E1-E4/5,Icon/2
U4861	Diff Rebuild Kit - E1-E5,A2/3,Icon/2
U4862	M3 Black Alloy Washers 0.5mm (pk12)
U4970	C/F Rear Axle - E1-E5,Icon/2,A3
U4974	LH Wheel Clamp - E1-E5,Icon/2
U4975	RH Washer Carrier - E1-E5
U7298	Alloy Rear Wheel Screws pk6 - A1-A3,E1-E5
U7315	Titanium Turnbuckle - 35mm - Silver - pr
U7486	Alloy Servo Mounts - E2,E3,E4,A3
U7680	Sanwa Servo Spacer pr - E1-E5
U7690	Pro Ball Bearings 1/4 x 3/8 x 1/8 FI Shielded
U7709	M3 Black Alloy Washers 0.75mm (pk10)
U7712	M3 Black Alloy Washers 3.00mm (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 - A2/3,E3-E5,Icon/2
U7897	Alloy Pivot Spacer 1mm pr - A2/3,E3-E5,Icon/2
U7918	Alloy Pivot Mount - A2/3,E3-E5,Icon/2
U7919	Alloy Pivot Block - A2/3,E3-E5,Icon/2
U7938	Chassis Post 8mm pr - E3-E5,Icon/2,A3,FT8
U7943	Alloy Spacer Clip 0.5mm pk4 - E3-E5,Icon/2
U7944	Alloy Spacer Clip 0.75mm pk4 - E3-E5,Icon/2
U8065	M3 Alloy Thread Insert pk8
U8146	Alloy Fan Mount - Eclipse 4/5
U8171	Eclipse 4/5 Ball Diff Set
U8346	Alloy M3 Turnbuckle - 39mm - Black (pr)
U8481	C/F Chassis - Eclipse 5
U9004	Front Spring Silver 0.55N/mm - Eclipse 6
U9005	Front Spring Pink 0.7N/mm - Eclipse 6
U9006	Front Spring Green 0.9N/mm - Eclipse 6
U9007	Front Spring Bronze 1.25N/mm - Eclipse 6
U9009	Front Spring Yellow 1.66N/mm - Eclipse 6
U9011	Axle Height Spacer 9.5x11x0.5mm (pk4) - Eclipse 6
U9016	Front Spring Set - Eclipse 6
U9019	C/F Camber Strap 1.0deg 1 Dot - Eclipse 6
U9020	C/F Wide Track Front Beam - Eclipse 6
U9021	C/F Wide Track Stiffening Brace & Posts -Eclipse 6
U9022	C/F Wide Camber Strap 1.5deg 4 Dot - Eclipse 6
U9023	C/F Wide Camber Strap 1.0deg 3 Dot - Eclipse 6
U9031	Front Spring Black 2.25N/mm - Eclipse 6
U9032	Front Spring Nickel 3.0N/mm - Eclipse 6

racing-cars.com

Schumacher

ECLIPSE6
WORLD WINNING DESIGN

Driver: Ollie Payne | Track: | Event: Medium Grip Track Test
Date: | Qualifying: | Final: | Best Lap:

TRACK TYPE

Grip Level	High ☐ Medium ● Low ☐
Type	Tight ☐ Open ☐ Mixed ●
Condition	Flat ☐ Bumpy ☐ Mixed ●
Carpet Type	ETS
Track Temp	°C
Weather	

TYRES

Side Wall Glue F: Y ☐ N ☐

Tyres	Front: JT3-35FT	Rear: JT3-35RT
Diameter	Front: 40.2 mm	Rear: 41 mm
Additive	SXT 3.0	Coverage Front: 12mm
Additive On Time (Total time before the race starts)	Front: 9 Mins	Rear: 35 Mins
Additive Off Time (Total time the tyre is dry before the race)	Front: 5 Mins	Rear: 8 Mins
Tyre Age	Runs: 0	Time Between Runs

Notes:

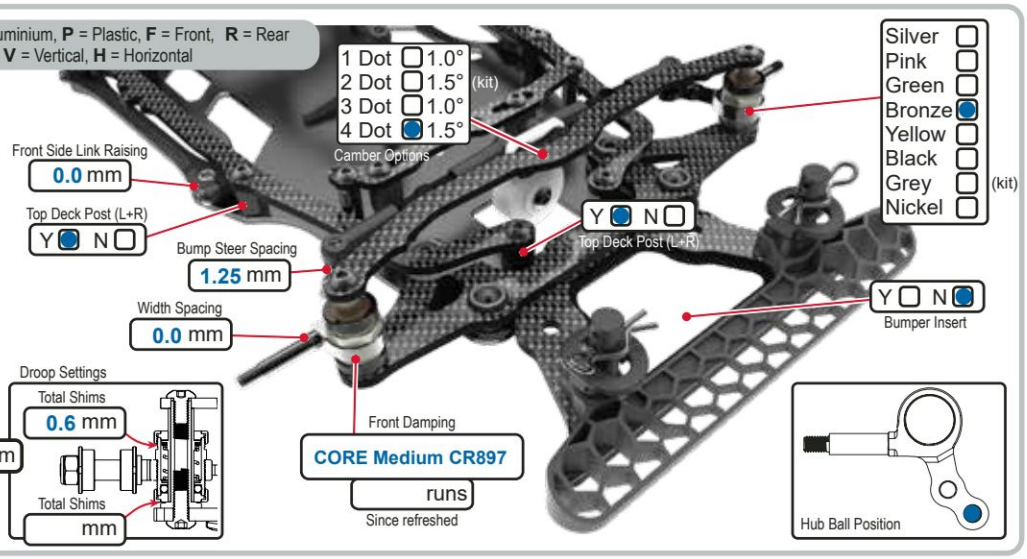
FRONT

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	3.2 mm		
Toe Out	0.5 deg	St Links	15.8 mm
Servo Saver Type	Kit		
Steering Travel	25 in	out	
Castor (+Ride Height Set)	4.0 deg		
Wide Front End	Y ● N ☐	Brace	Y ☐
Droop	1.2 mm		

Castor: 1.0 mm (Rear) (Total Spacing) 2.5 mm (Front)

Notes:



REAR

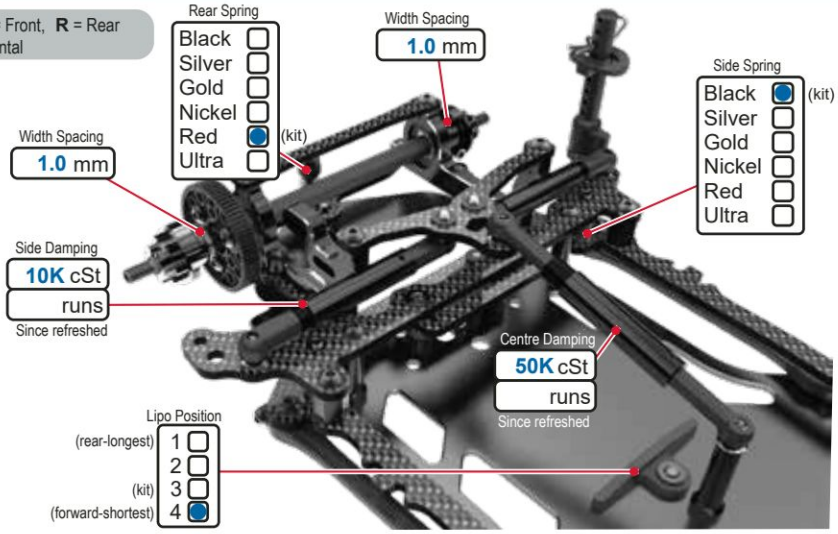
KEY: **CF** = Carbon Fibre, **AL** = Aluminium, **P** = Plastic, **F** = Front, **R** = Rear
H = High, **L** = Low, **Y** = Yes, **N** = No, **V** = Vertical, **H** = Horizontal

Ride Height	3.6 mm
Droop	1.0 mm
Track width (total)	171.6 mm
Drive Type	Diff ☐ Spool ☐ Hex ●
Diff Preload (if applicable)	°

Eccentric Height: 1.00

Pod Angle: Pod Angle 4.2 mm (Kit = 4.2mm)

Notes:



BODYSHELL

Body	Mon-Tech M20
Rear Wing Height	84 mm
Front Height	6.0 mm
Front Post Hole #	
Front Post Hanger #	
Rear Post Hole #	6
Rear Post Hanger #	1
Body F/R Offset	0.0 mm
Body Weight	g
Foam Pads (U2840)	F ☐ R ☐

Notes:

CHASSIS

Chassis	AL ● CF ☐
Centre Pivot Spacing	AL ● 1 mm
Total Weight	732 g
Weight Distribution	F : R
Motor Spacer	mm
Motor Fan	

Notes:

ELECTRONICS

E.S.C.	Hobbywing
Servo	
RX	Sanwa
LiPo	Aerox 8500
Motor	Hobbywing G4R 13.5T
Rotor Dia.	Standard mm
Timing	deg
Gear Pitch	48 ☐ 64 ☐
Pinion	t
Spur	t
Rollout	mm/rev

Notes:

Schumacher

ECLIPSE 6
WORLD WINNING DESIGN

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

TRACK TYPE

Grip Level	High ☐ Medium ● Low ☐
Type	Tight ☐ Open ☐ Mixed ●
Condition	Flat ☐ Bumpy ☐ Mixed ●
Carpet Type	Primafelt
Track Temp	°C
Weather	

TYRES

Side Wall Glue F: Y ☐ N ●

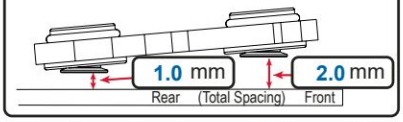
Tyres	Front: Contact T35	Rear: Contact T35
Diameter	Front: 40 mm	Rear: 41 mm
Additive	SXT 3.0	Coverage Front: 8
Additive On Time (Total time before the race starts)	Front: 5 Mins	Rear: 45 Mins
Additive Off Time (Total time the tyre is dry before the race)	Front: 3 Mins	Rear: 3 Mins
Tyre Age	Runs:	Time Between Runs

Notes:

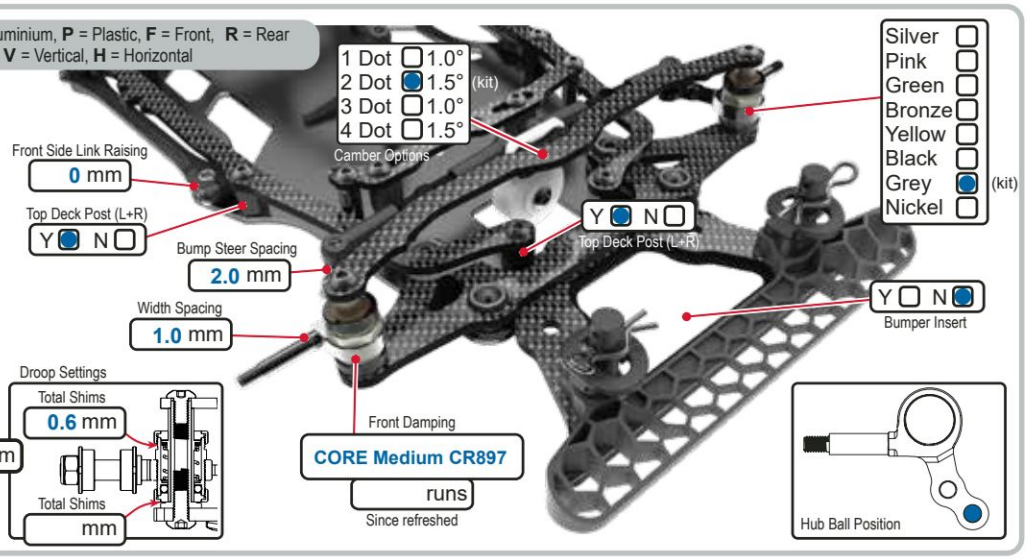
FRONT

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	3.2 mm		
Toe Out	0.5 deg	St Links	15.5 mm
Servo Saver Type	Kit		
Steering Travel	27 in	out	
Castor (+Ride Height Set)	3.0 deg		
Wide Front End	Y ☐ N ●	Brace	Y ☐
Droop	1.3 mm		



Notes:

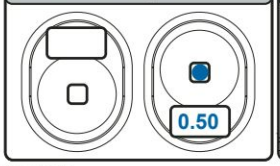


REAR

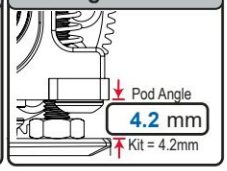
KEY: **CF** = Carbon Fibre, **AL** = Aluminium, **P** = Plastic, **F** = Front, **R** = Rear
H = High, **L** = Low, **Y** = Yes, **N** = No, **V** = Vertical, **H** = Horizontal

Ride Height	3.4 mm		
Droop	1.0 mm		
Track width (total)	171 mm		
Drive Type	Diff ☐ Spool ●	Hex ●	
Diff Preload (if applicable)	°		

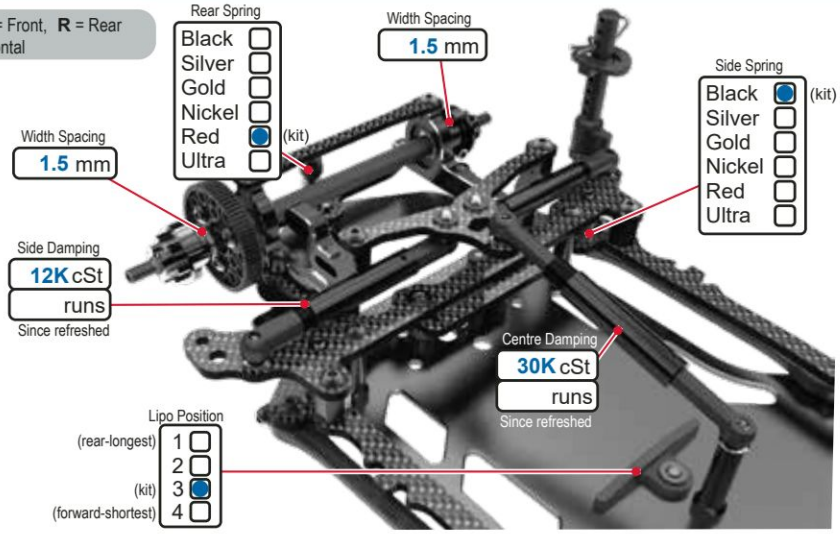
Eccentric Height



Pod Angle



Notes:



BODYSHELL

Body	
Rear Wing Height	mm
Front Height	mm
Front Post Hole #	
Front Post Hanger #	
Rear Post Hole #	
Rear Post Hanger #	
Body F/R Offset	mm
Body Weight	g
Foam Pads (U2840)	F ☐ R ☐

Notes:

CHASSIS

Chassis	AL ● CF ☐
Centre Pivot Spacing	AL ☐ mm
Total Weight	g
Weight Distribution	F : R
Motor Spacer	mm
Motor Fan	

Notes:

ELECTRONICS

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

Notes:

SET UP SHEET

Schumacher

ECLIPSE 6 WORLD WINNING DESIGN

Driver: Test Driver | Track: | Event: High Grip Track Test

Date: | Qualifying: | Final: | Best Lap:

TRACK TYPE

Grip Level	High ● Medium ○ Low ○
Type	Tight ○ Open ○ Mixed ●
Condition	Flat ○ Bumpy ○ Mixed ●
Carpet Type	CRC
Track Temp	°C
Weather	

TYRES

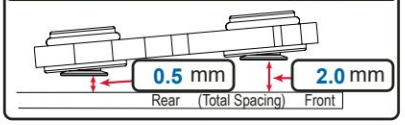
Side Wall Glue	F: Y ○ N ○		
Tyres	Front: JT3-35FT	Rear: JT3-35RT	
Diameter	Front: 39.5 mm	Rear: 40 mm	
Additive	SXT 3.0	Coverage Front: 12mm	
Additive On Time (Total time before the race starts)	Front: 9 Mins	Rear: 35 Mins	
Additive Off Time (Total time the tyre is dry before the race)	Front: 5 Mins	Rear: 8 Mins	
Tyre Age	Runs: 0	Time Between Runs	

Notes:

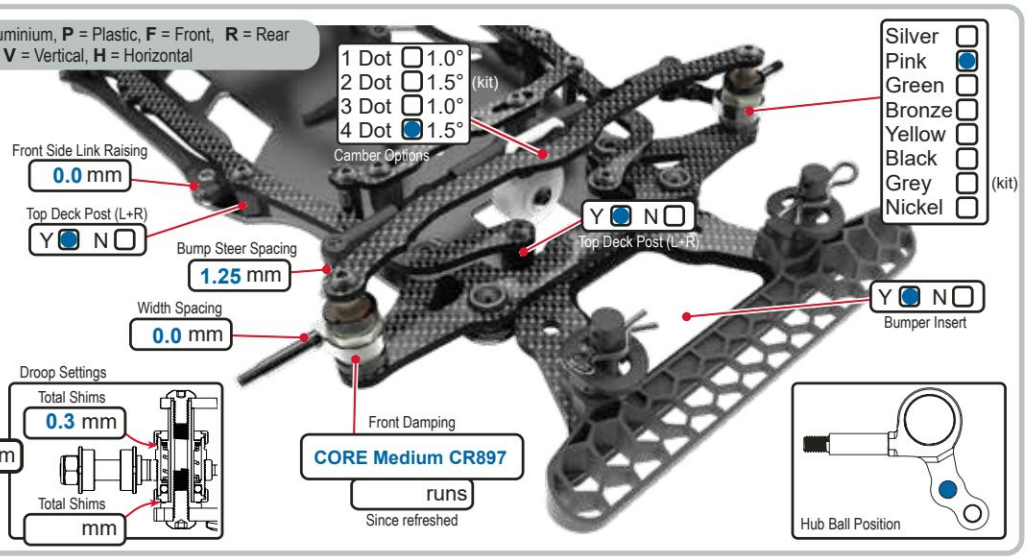
FRONT

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	3.0 mm		
Toe Out	1.0 deg	St Links	mm
Servo Saver Type	Kit		
Steering Travel	30 in	out	
Castor (+Ride Height Set)	3.0 deg		
Wide Front End	Y ● N ○	Brace	Y ○
Droop	0.75 mm		



Notes:



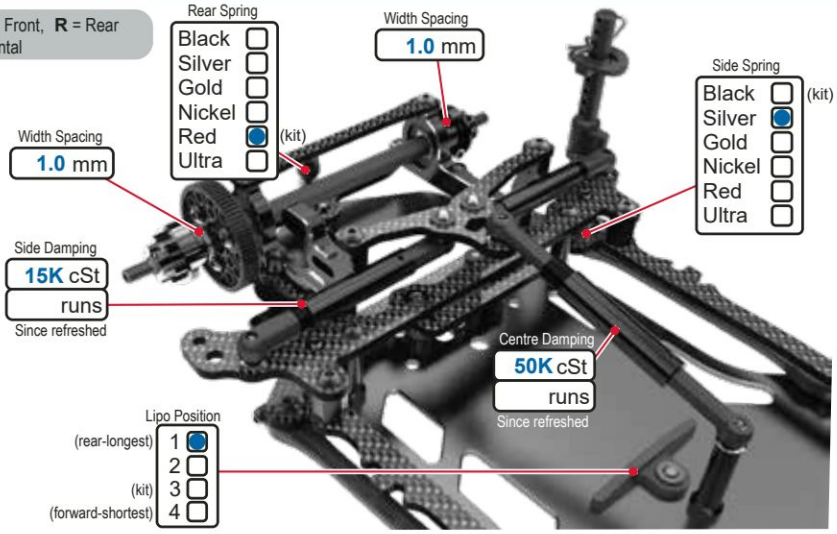
REAR

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	3.6 mm		
Droop	1.0 mm		
Track width (total)	mm		
Drive Type	Diff ○	Spool ●	Hex ●
Diff Preload (if applicable)	°		

Eccentric Height	Pod Angle
0.50	Pod Angle 4.2 mm, Kit = 4.2mm

Notes:



BODYSHELL

Body	Mon-Tech M20
Rear Wing Height	81 mm
Front Height	5.0 mm
Front Post Hole #	
Front Post Hanger #	
Rear Post Hole #	6
Rear Post Hanger #	1
Body F/R Offset	mm
Body Weight	g
Foam Pads (U2840)	F ○ R ○

Notes:

CHASSIS

Chassis	AL ● CF ○
Centre Pivot	AL ●
Spacing	1.0 mm
Total Weight	732 g
Weight Distribution	F : R
Motor Spacer	mm
Motor Fan	

Notes:

ELECTRONICS

E.S.C.	Hobbywing XR10 1s HD
Servo	Sanwa PGS-HR
RX	Sanwa
LiPo	Aerox 8500
Motor	Hobbywing G3 3.5T
Rotor Dia.	Standard mm
Timing	30 deg
Gear Pitch	48 ○ 64 ●
Pinion	23 t
Spur	88 t
Rollout	32.6 mm/rev

Notes:

Schumacher

ECLIPSE6
WORLD WINNING DESIGN

Driver: Ollie Payne	Track:	Event: Medium Grip Track Test	
Date:	Qualifying:	Final:	Best Lap:

TRACK TYPE

Grip Level	High ☐ Medium ● Low ☐
Type	Tight ☐ Open ☐ Mixed ●
Condition	Flat ☐ Bumpy ☐ Mixed ●
Carpet Type	LINDAU / PRIMAFELT
Track Temp	°C
Weather	

TYRES

Side Wall Glue F: Y ☐ N ☐

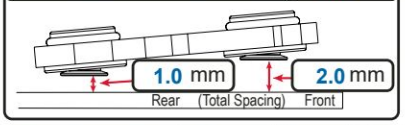
Tyres	Front: JT3-35FT	Rear: JT3-35RT
Diameter	Front: 40.5 mm	Rear: 41.5 mm
Additive	SXT 3.0	Coverage Front: 8mm
Additive On Time (Total time before the race starts)	Front: 5 Mins	Rear: 45 Mins
Additive Off Time (Total time the tyre is dry before the race)	Front: 4 Mins	Rear: 5 Mins
Tyre Age	Runs: 0	Time Between Runs

Notes:

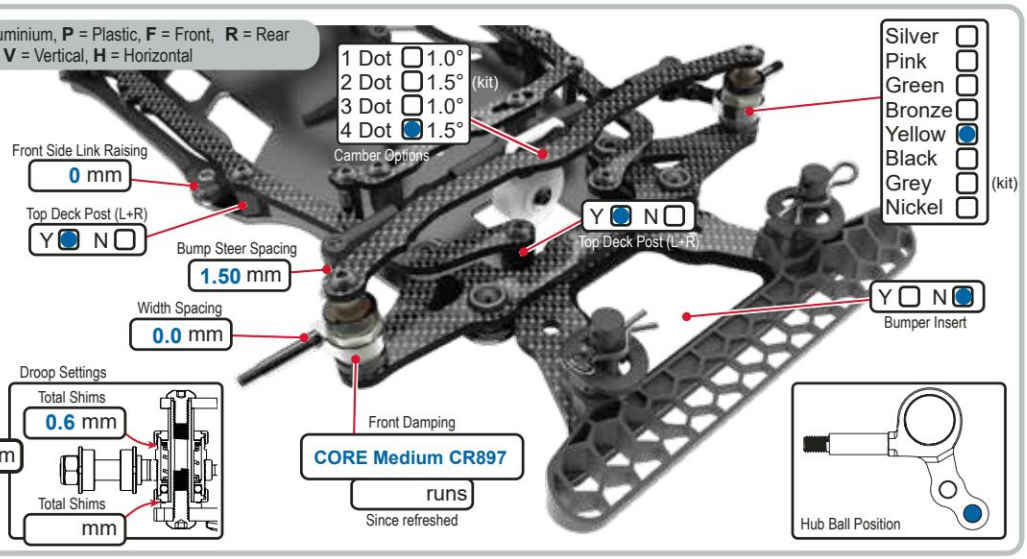
FRONT

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	3.2 mm		
Toe Out	0.5 deg	St Links	15.8 mm
Servo Saver Type	Kit		
Steering Travel	25 in	out	
Castor (+Ride Height Set)	3.0 deg		
Wide Front End	Y ● N ☐	Brace	Y ☐
Droop	1.0 mm		



Notes:

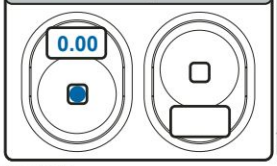


REAR

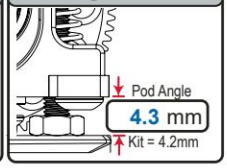
KEY: **CF** = Carbon Fibre, **AL** = Aluminium, **P** = Plastic, **F** = Front, **R** = Rear
H = High, **L** = Low, **Y** = Yes, **N** = No, **V** = Vertical, **H** = Horizontal

Ride Height	3.6 mm		
Droop	1.0 mm		
Track width (total)	169 mm		
Drive Type	Diff ☐ Spool ☐	Hex ●	
Diff Preload (if applicable)	°		

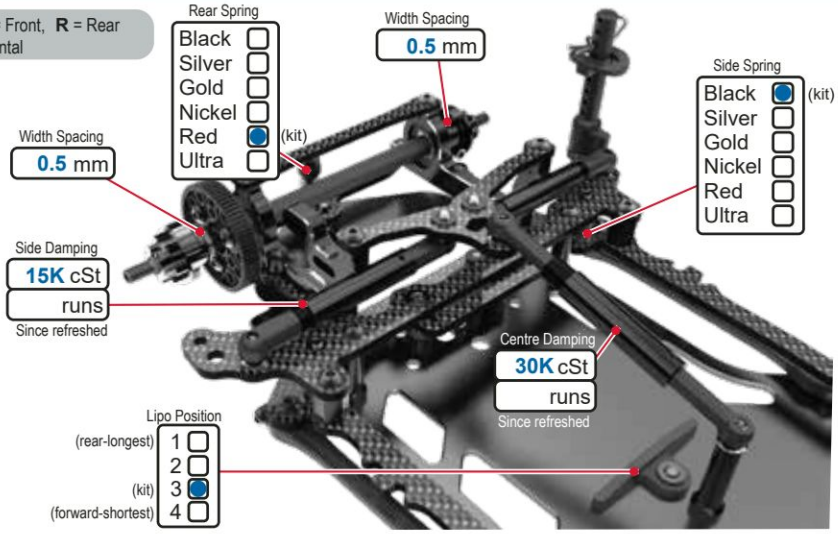
Eccentric Height



Pod Angle



Notes:



BODYSHELL

Body	Mon-Tech M20
Rear Wing Height	83 mm
Front Height	5.5 mm
Front Post Hole #	
Front Post Hanger #	
Rear Post Hole #	6
Rear Post Hanger #	1
Body F/R Offset	0 mm
Body Weight	g
Foam Pads (U2840)	F ☐ R ☐

Notes:

CHASSIS

Chassis	AL ● CF ☐
Centre Pivot Spacing	AL ● 1 mm
Total Weight	735 g
Weight Distribution	F : R
Motor Spacer	mm
Motor Fan	

Notes:

ELECTRONICS

E.S.C.	Hobbywing
Servo	
RX	Sanwa
LiPo	Aerox 8500
Motor	Hobbywing G4R 13.5T
Rotor Dia.	Standard mm
Timing	deg
Gear Pitch	48 ☐ 64 ☐
Pinion	t
Spur	t
Rollout	mm/rev

Notes:

SET UP SHEET

Schumacher

ECLIPSE6 WORLD WINNING DESIGN

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

TRACK TYPE

Grip Level	High ☐	Medium ☐	Low ☐
Type	Tight ☐	Open ☐	Mixed ☐
Condition	Flat ☐	Bumpy ☐	Mixed ☐
Carpet Type			
Track Temp		°C	
Weather			

TYRES

Side Wall Glue F: Y ☐ N ☐

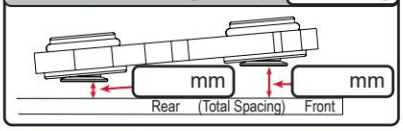
Tyres	Front:	Rear:	
Diameter	Front: mm	Rear: mm	
Additive		Coverage Front:	
Additive On Time (Total time before the race starts)	Front:	Rear:	
Additive Off Time (Total time the tyre is dry before the race)	Front:	Rear:	
Tyre Age	Runs:	Time Between Runs	

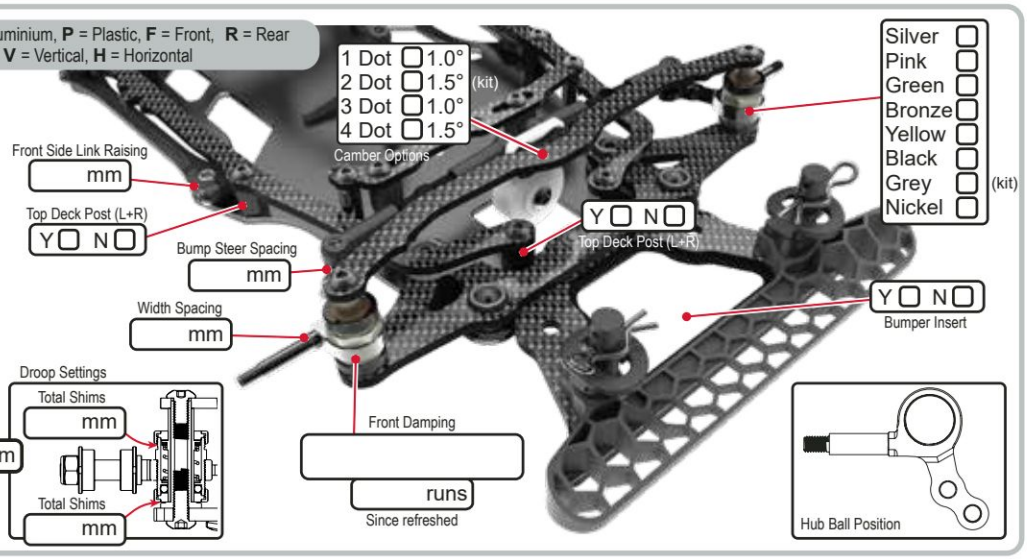
Notes:

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		
Toe Out	deg	St Links	mm
Servo Saver Type			
Steering Travel	in	out	
Castor (+Ride Height Set)	deg		
Wide Front End	Y ☐ N ☐	Brace	Y ☐
Droop	mm		





Notes:

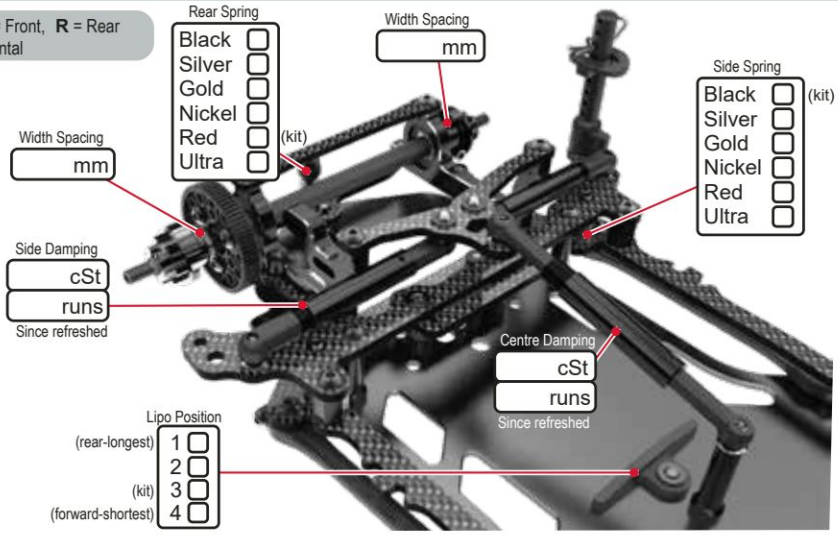
REAR

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 (total)	mm		
Drive Type	Diff ☐	Spool ☐	Hex ☐
Diff Preload (if applicable)	°		

Eccentric Height	Pod Angle
	Pod Angle mm, Kit = 4.2mm

Notes:



BODYSHELL

Body		
Rear Wing Height	mm	
Front Height	mm	
Front Post Hole #		
Front Post Hanger #		
Rear Post Hole #		
Rear Post Hanger #		
Body F/R Offset	mm	
Body Weight	g	
Foam Pads (U2840)	F ☐	R ☐

Notes:

CHASSIS

Chassis	AL ☐	CF ☐
Centre Pivot	AL ☐	
Spacing	mm	
Total Weight	g	
Weight Distribution		
F : R		
Motor Spacer	mm	
Motor Fan		

Notes:

ELECTRONICS

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

Notes: