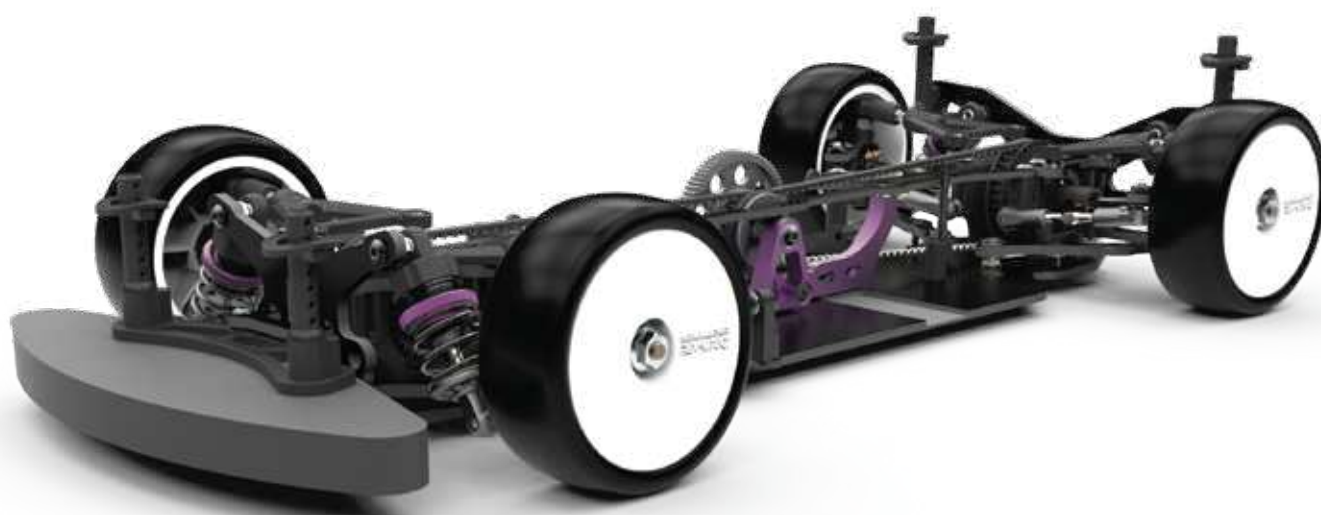


edipe

be inspired to win



Instruction Manual ISS01



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

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



2S LiPo Battery



Motor and Pinion Gear



Electronic Speed Controller



Battery Charger



Radio Equipment



Steering Servo



Tyre/CA Glue



Bodyshell



Polycarbonate Paint



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 - U3107

Curved Scissors - CR044



ICON KEYS



CORE RC Molybdenum Thrust Race Grease 10ml - Pot - CR520



CORE RC Medium Strength Thread Lock 3ml - CR520



Caution/Important note. Please read.



Front Left of car.



Front Right of car.



Rear Left of car.



Rear Right of car.

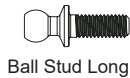


Additional information that will help you build a faster race car.

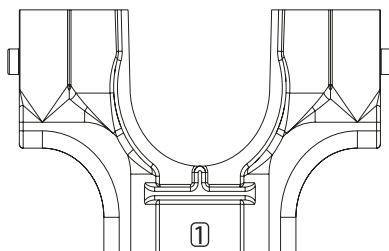


www.racing-cars.com



**Transmission
Housings Assembly**
BAG A - Step 1a
A x2


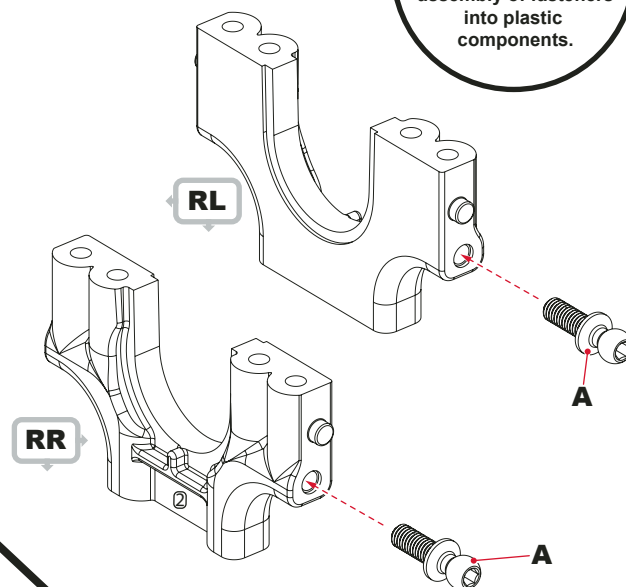
Ball Stud Long



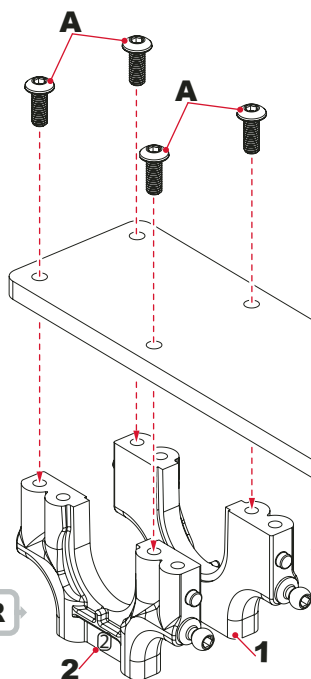
ENSURE the transmission housings labelled '1' are on the left hand side. The transmission housings labelled '2' must be on the right hand side.


RACE TIP

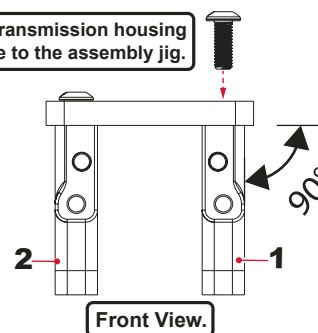
Throughout the build we recommend the use of moly grease to aid assembly of fasteners into plastic components.


**Transmission
Housings Assembly**
BAG A - Step 1b
A x8


M3x8 Button Hd Screw

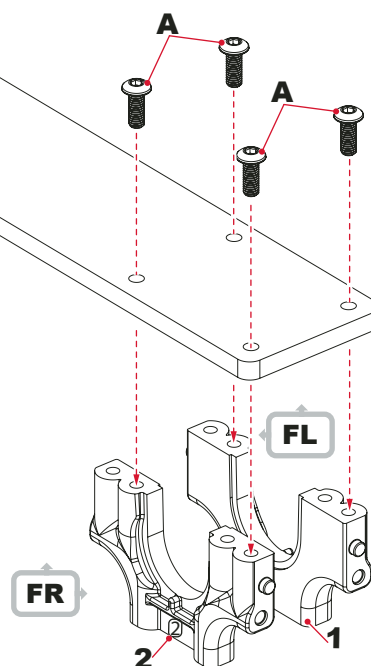


Hold transmission housing square to the assembly jig.



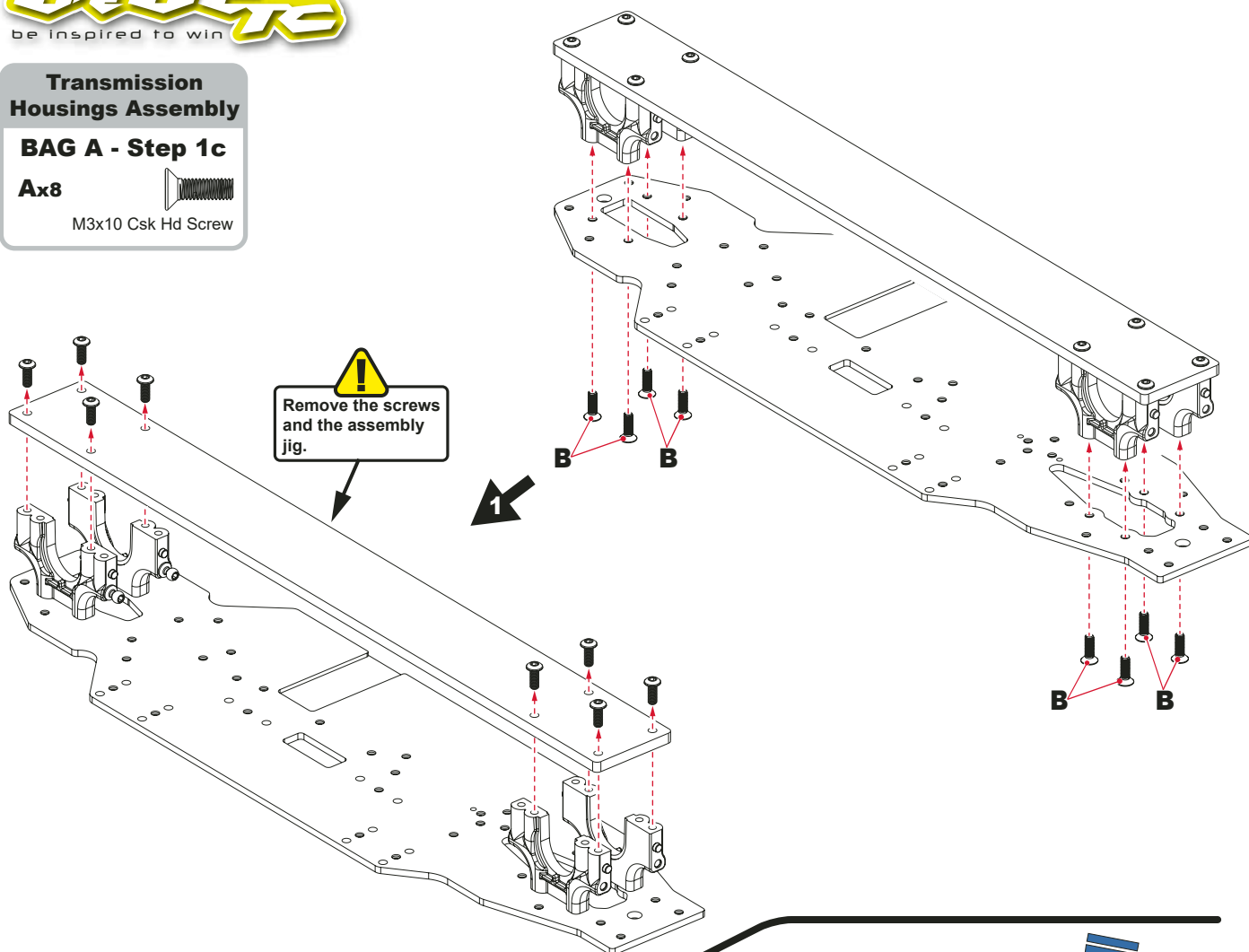
! Screws 'A' must be aligned with the holes in the transmission housing when assembling.

! Make sure the button head screws are fully tightened.



**Transmission
Housings Assembly**
BAG A - Step 1c
Ax8


M3x10 Csk Hd Screw


**Transmission
Housings Assembly**
BAG A - Step 1d
Ax3


M3x6 Csk Hd Screw

Bx2


M3x12 Csk Hd Screw

Cx1

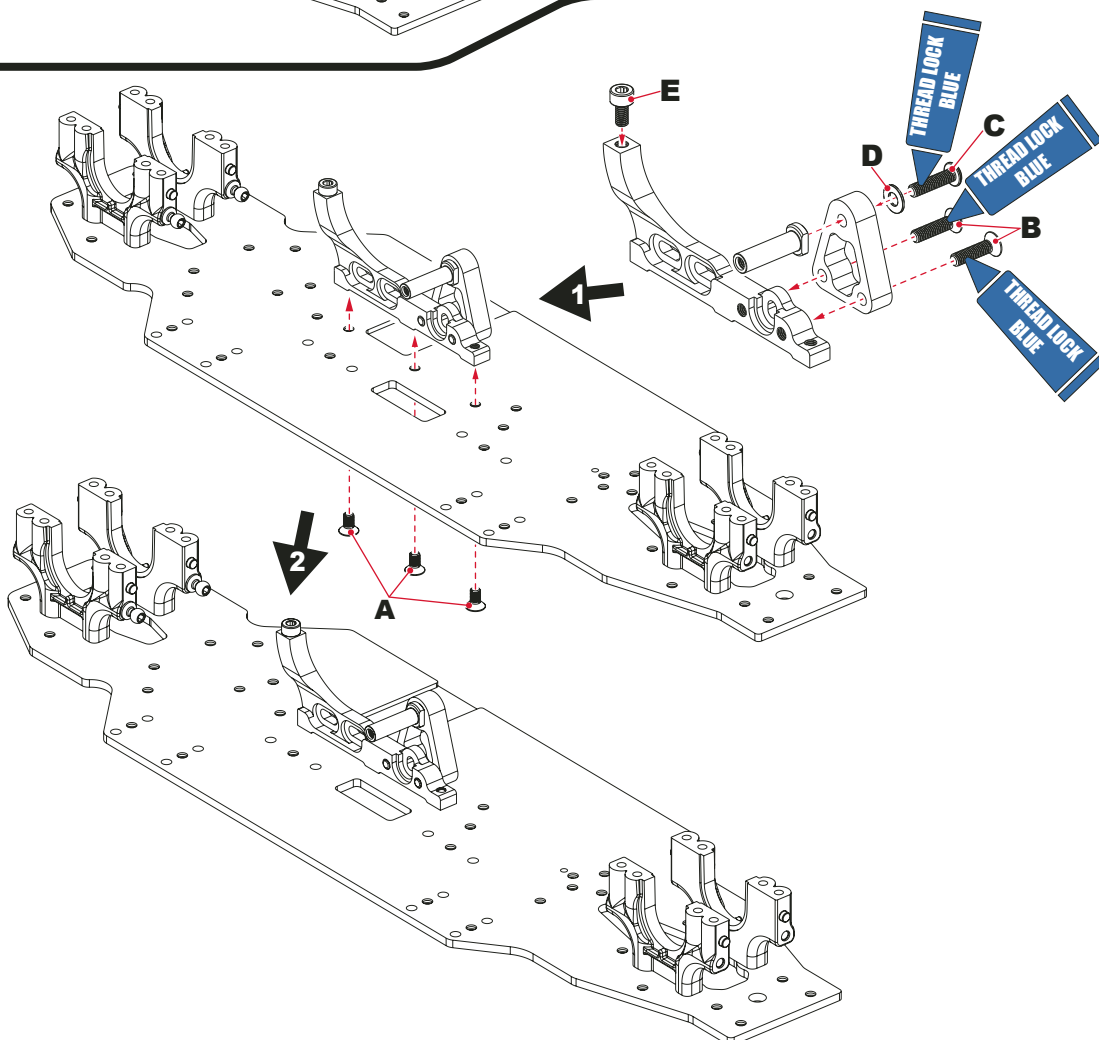

M3x12 Button Hd Screw

Dx1


M3 Washer

Ex1


M3x6 Cap Hd Screw



Rear Diff Assembly
BAG A - Step 2
Ax4

Ø5 x Ø9.5 x 0.1mm Shim

Bx4

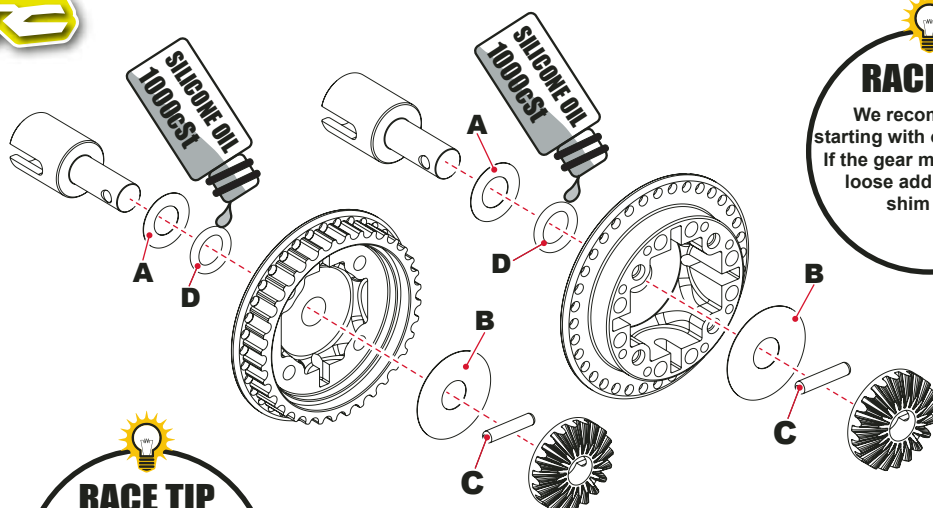
Ø5 x Ø15 x 0.1mm Shim

Cx2

Ø2.0 x 9.8 Pin

Dx2

'O' Ring Ø5 x 1.5


RACE TIP

We recommend starting with one shim A. If there is too much end float on the output shaft add another shim.

RACE TIP

We recommend starting with one shim B. If the gear mesh is too loose add another shim 'B'.

Rear Diff Assembly
BAG A - Step 3a
Ax4

Ø2 x Ø9 x 0.1mm Shim

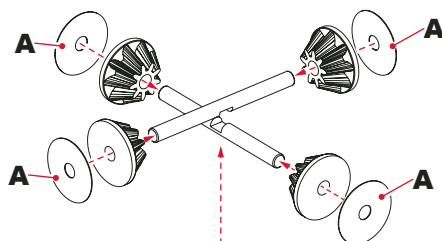
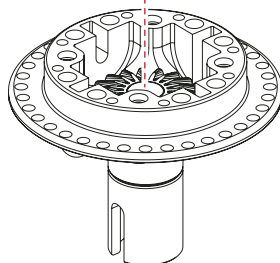
 1XRed
1XBlack

Bx2

Ø26 x 1.0 'O' Ring

Cx4

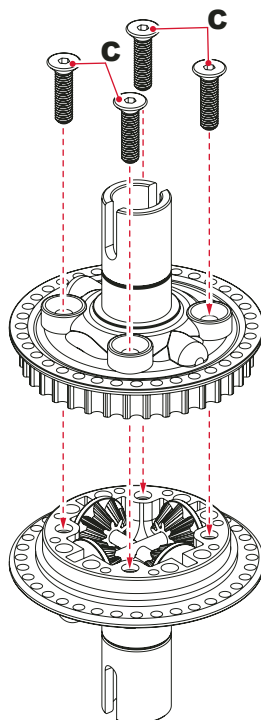
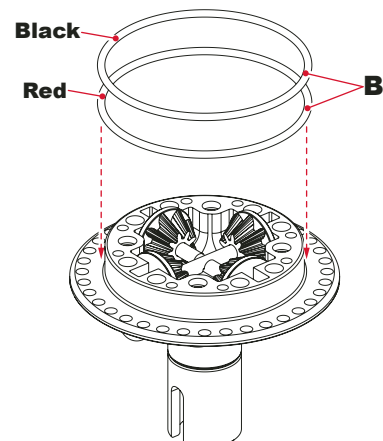
M2.5x10 Csk Hd Screw


1


Fill the diff with silicone oil upto the cross pins.

RACE TIP

Rotate the gears to ensure that their is an even spread of oil. Then top up accordingly.

2

3


REAR DIFF ASSEMBLY

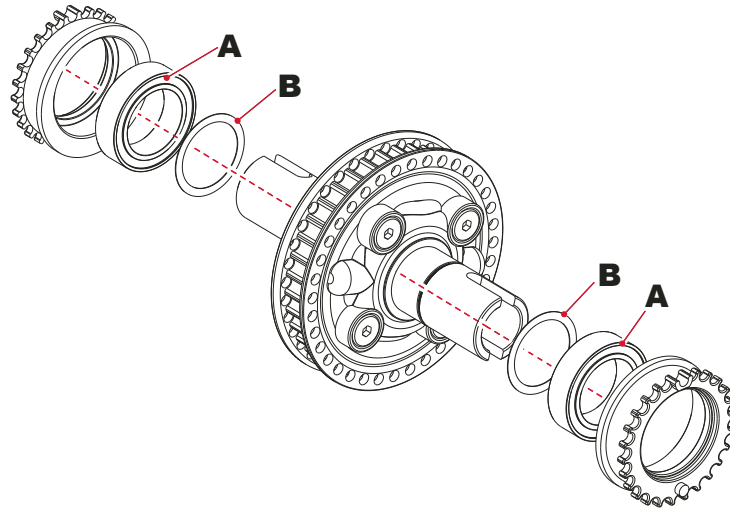
BAG A - Step 3b

A x2

Ø10 x Ø15 x 4mm Bearing

B x2

Ø10 x Ø12.5 x 0.1mm Shim



Spool Assembly

BAG A - Step 4

A x2

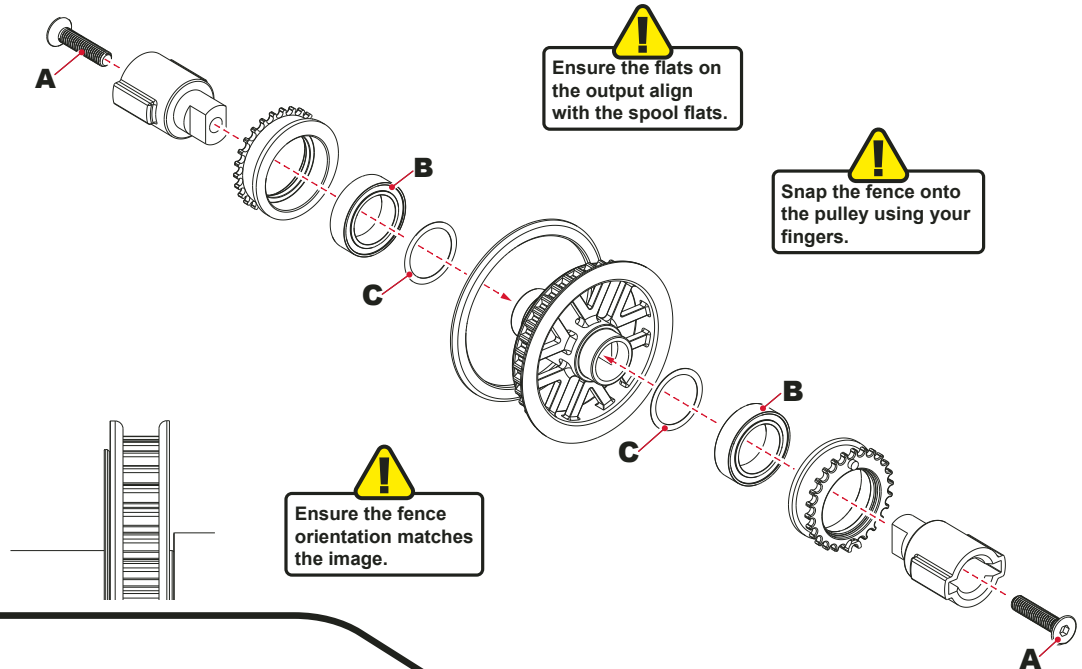
M3 X 14 CSK Screw

B x2

Ø10 x Ø15 x 4mm Bearing

C x2

Ø10xØ12.5 x 0.1mm Shim



Layshaft Assembly

BAG A - Step 5a

A x3

M2.5x6 Button Hd Screw

B x6

M2.5 Washer

C x3

M2.5x10 Csk Hd Screw

D x1

M3x4 Button Hd Screw

E x2

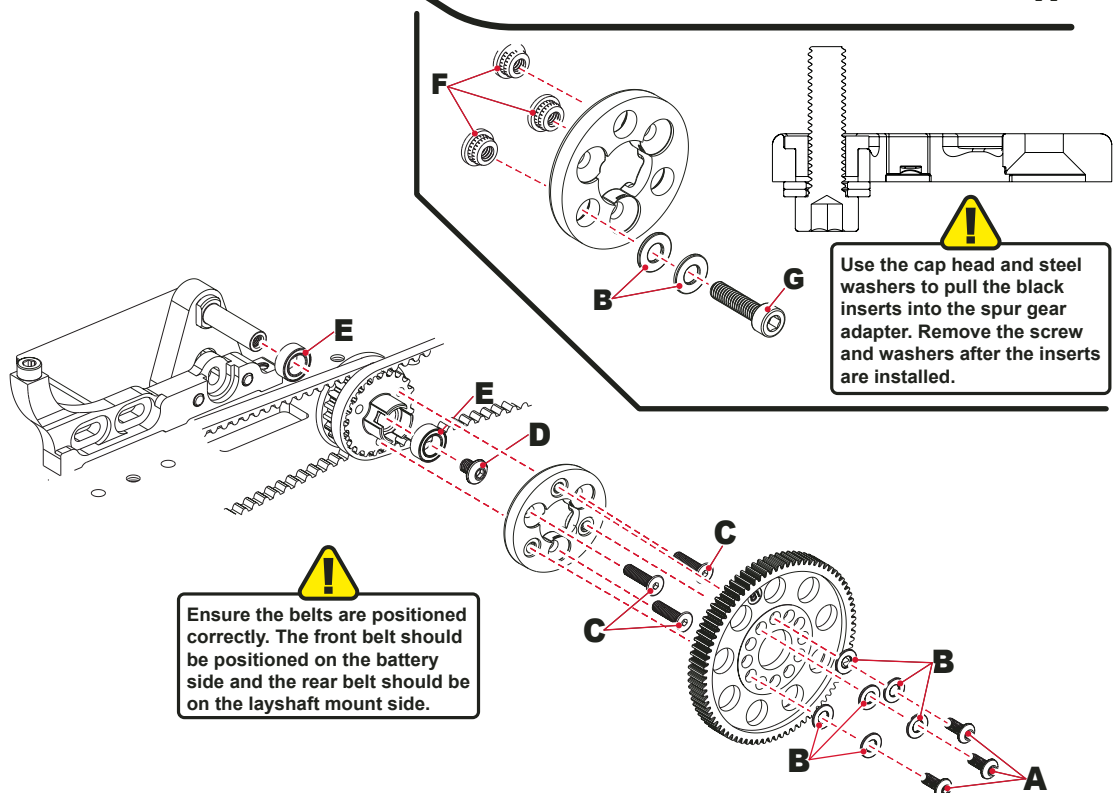
ø3/16xø5/16 Bearing

F x3

M2.5 Insert

G x1

M2.5x10 Cap Hd Screw

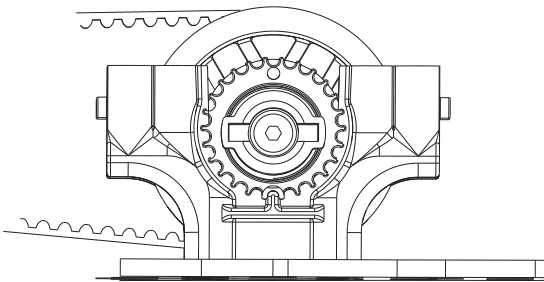
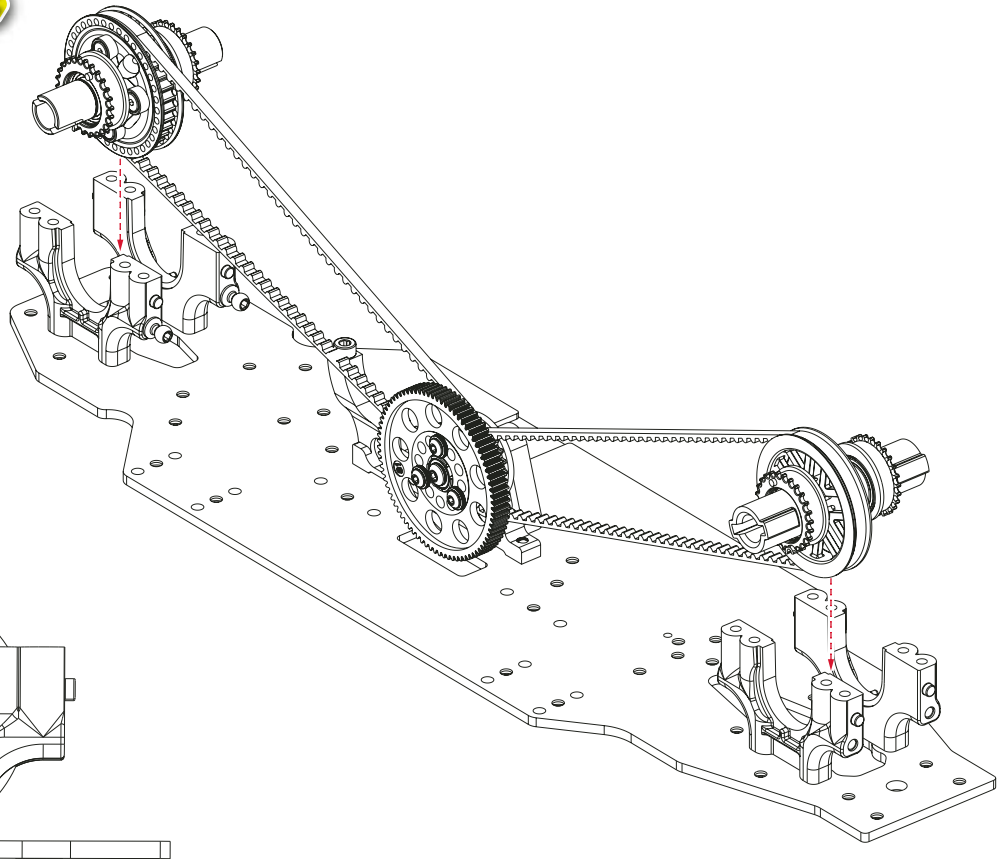


**Transmission
Assembly**

BAG A - Step 5b



The Kit setup utilises low diffs which means the semi-circle is at the bottom and the full circle is at the top.



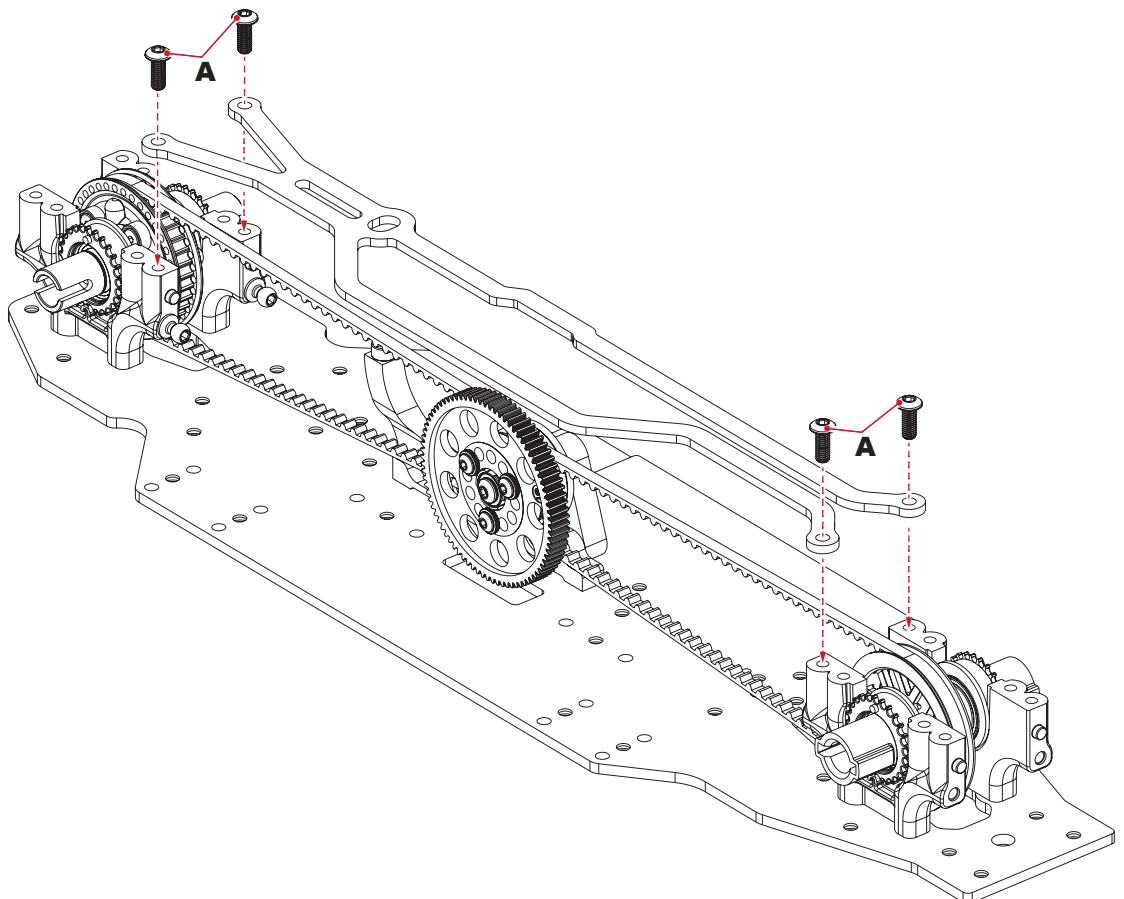
Topdeck Assembly

BAG A - Step 6a

Ax4



M3x8 Button Hd Screw



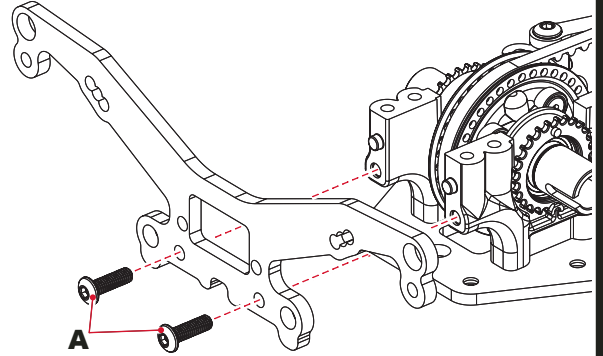
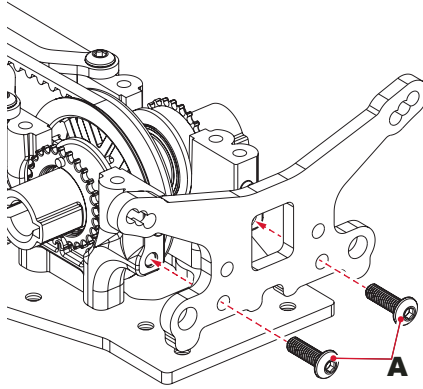
Shock Towers and Topdeck Assembly

BAG A - Step 6b

Ax4



M3x10 Button Hd Screw



Upper link Mount Assembly

BAG A - Step 7

Ax8



Low Ballstud short

Bx16



M3 Washer

Cx8

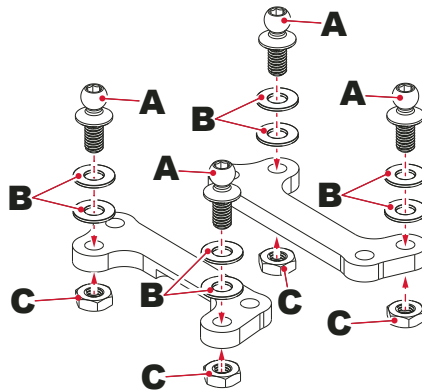


M3 Nut

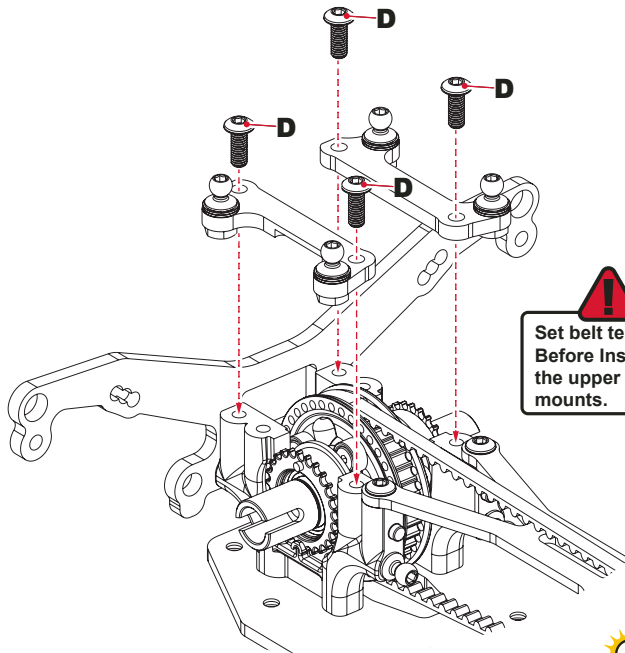
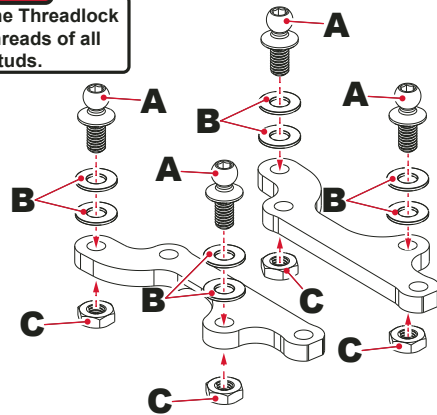
Dx8



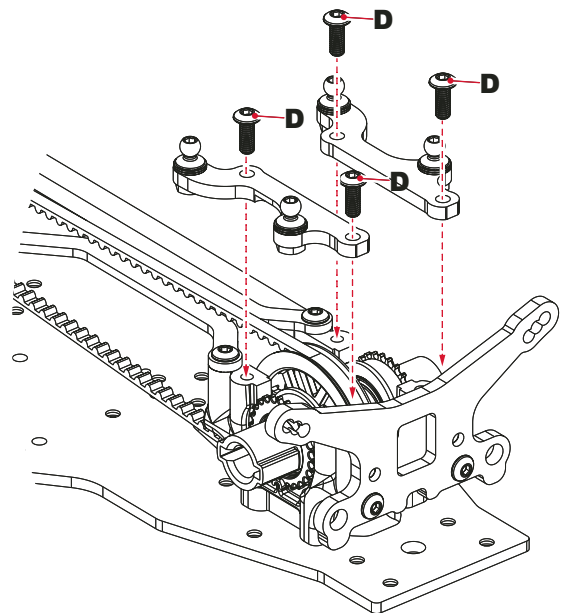
M3x8 Button Hd Screw



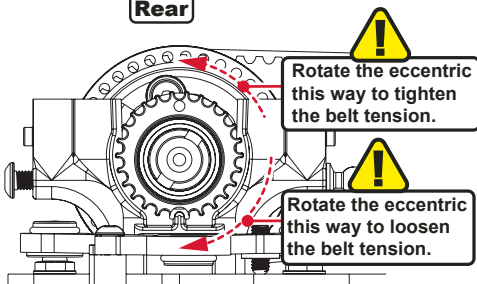
!
Apply the Threadlock to the threads of all 'A' ballstuds.



!
Set belt tension Before Installing the upper link mounts.



Rear



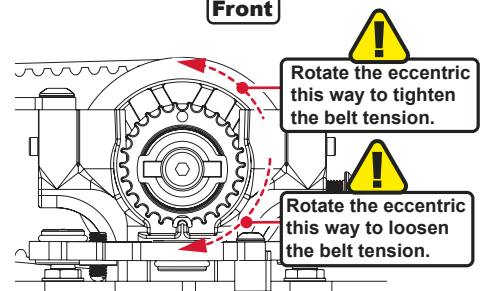
!
Rotate the eccentric this way to tighten the belt tension.

!
Rotate the eccentric this way to loosen the belt tension.

RACE TIP

Ensure all of the components are free to move before assembly.

Front



!
Rotate the eccentric this way to tighten the belt tension.

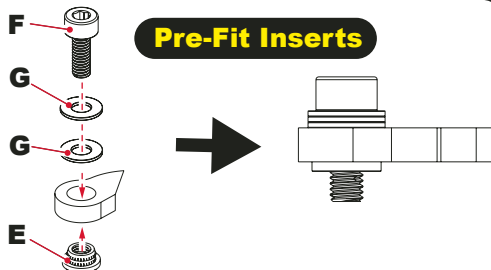
!
Rotate the eccentric this way to loosen the belt tension.

Front Arm Assembly

BAG A - Step 8

- Ax4** M2.5x8 Button Hd Screw
- Bx2** Ø6x1 'O' Ring
- Cx4** Ø5x1 'O' Ring
- Dx2** M3x8 Patched Grub Screw
- Ex2** M3 Thread Insert
- Fx1** M3x12 Cap Hd Screw
- Gx2** Pivot Ball
- Hx1** M3 Nut
- Ix4** Pivot Ball
- Jx2** M3 Washer

Pre-Fit Inserts



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

Tighten screw 'F' until the M3 thread insert 'E' is pulled into the carbon fibre parts as shown.

Build a pair of these. The other side is a mirror of this build.

Ensure the 'O' Ring is correctly seated into the groove on the outer sockets.

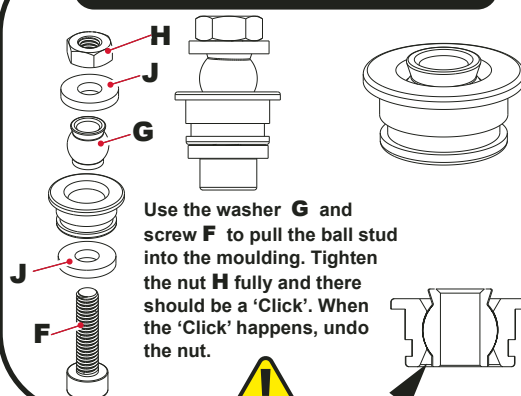
Set the grub screws 'D' centrally for now. This is adjusted to set droop using a droop gauge later.

Front arms are identified by the curve here.

Use pliers to insert the ball into the inner socket.

Ensure the 'O' Ring is correctly seated into the groove on the inner sockets.

Pre-Fit Outer Arm Ball Stud



Use the washer 'G' and screw 'F' to pull the ball stud into the moulding. Tighten the nut 'H' fully and there should be a 'Click'. When the 'Click' happens, undo the nut.

Note the orientation of the ball, as illustrated.

Ensure the 'O' Ring is correctly seated into the groove on the inner sockets.

Set the grub screws 'D' centrally for now. This is adjusted to set droop using a droop gauge later.

Use pliers to insert the ball into the inner socket.

Rear Arm Assembly

BAG B - Step 9

- Ax4** M2.5x8 Button Hd Screw
- Bx2** Ø6x1 'O' Ring
- Cx4** Ø5x1 'O' Ring
- Dx2** M3x8 Patched Grub Screw
- Ex2** M3 Thread Insert
- Fx4** Pivot Ball
- Gx2** Pivot Ball

Build a pair of these. The other side is a mirror of this build.

Ensure the 'O' Ring is correctly seated into the groove on the outer sockets.

RL

Arm Assembly Attachment

BAG B - Step 10

Ax8

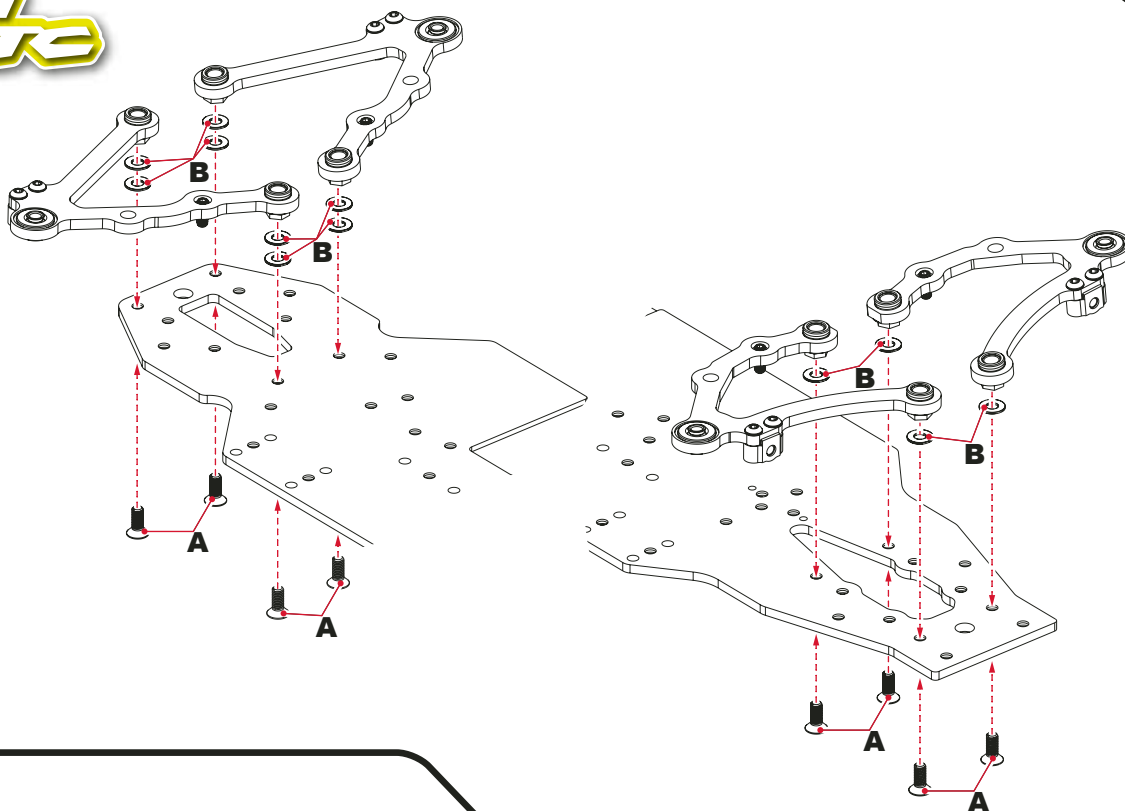


M3X8 CSK Screw

Bx12



M3 Washer



Front Hub Assembly

BAG B - Step 11

Ax2



Disc Spring Washer

Bx2

Axle Spacer 1/4"x0.5mm

Cx2



Ø5xØ10x4 Bearing

Dx2



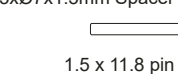
Ø5xØ10x3 Bearing

Ex2



Ø5xØ7x1.5mm Spacer

Fx2



1.5 x 11.8 pin

Gx2



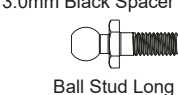
M3 Nut

Hx2



3.0mm Black Spacer

Ix2



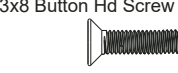
Ball Stud Long

Jx4

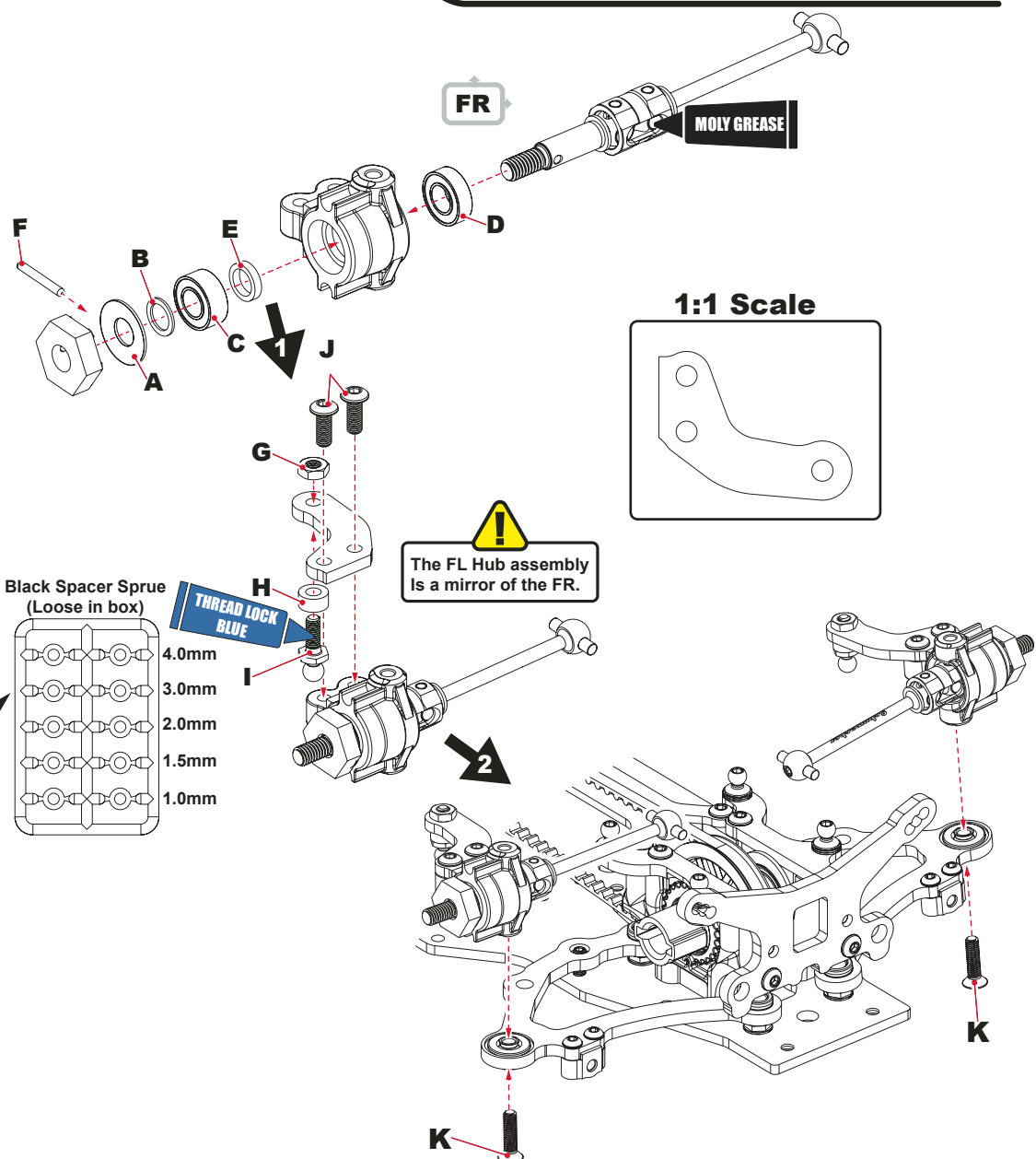


M3x8 Button Hd Screw

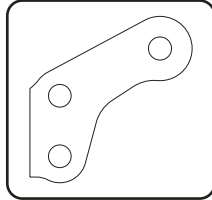
Kx2



M3x12 Csk Screw



1:1 Scale



Rear Driveshaft Assembly

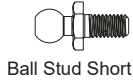
BAG B - Step 12

Ax4



M3X8 Button Hd

Bx2



Ball Stud Short

Cx2



M3 Nut

Dx4



Ø5xØ10x4 Bearing

Ex2



Ø5xØ7x1.5 Spacer

Fx2



Axle Spacer 1/4"x0.5mm

Gx2



1.5 x 11.8 Pin

Hx2



Disc Spring Washer

Ix2



M3x12 Csk Screw



RACE TIP

Ensure that the driveshaft is free to rotate after assembly.

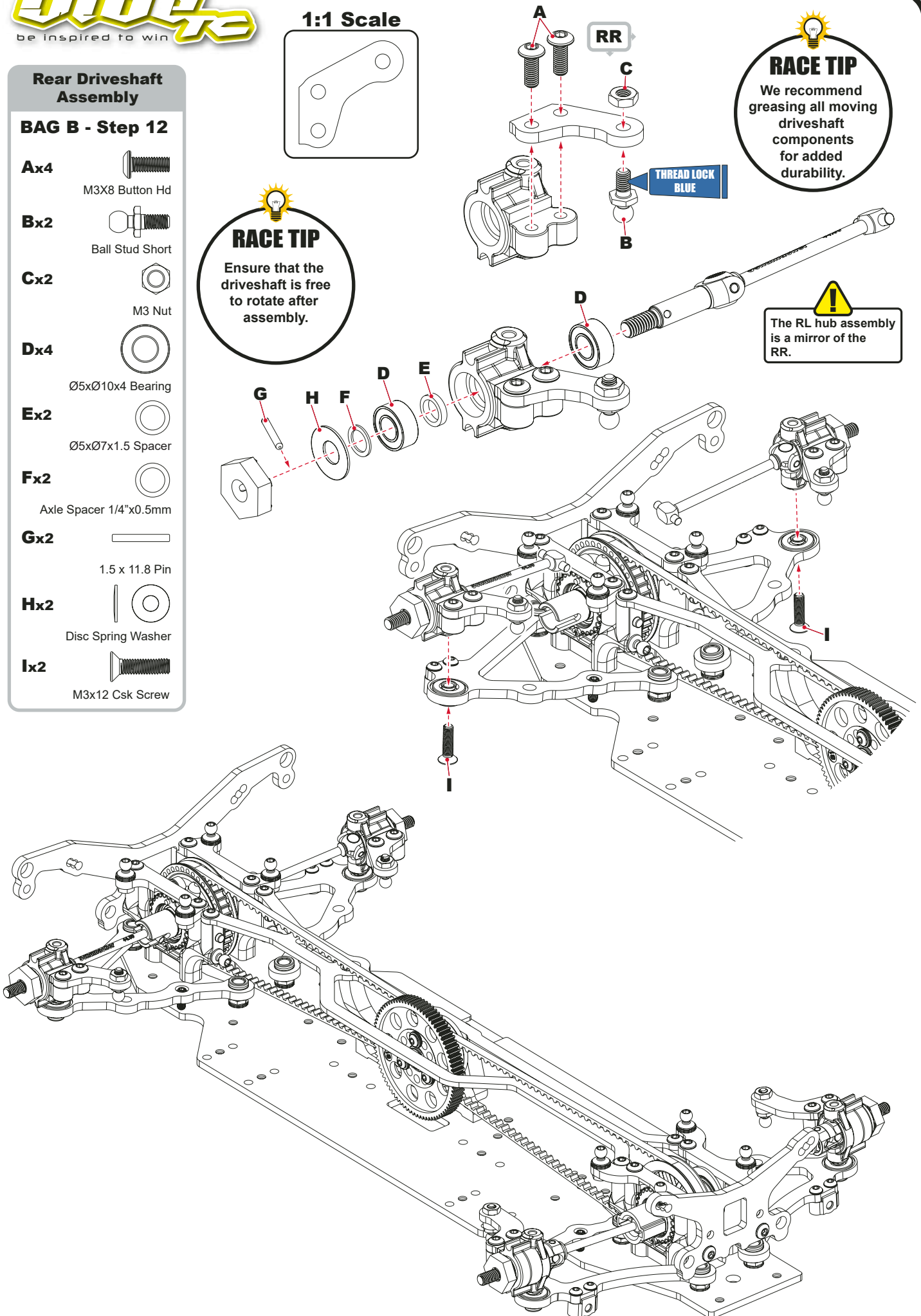


RACE TIP

We recommend greasing all moving driveshaft components for added durability.



The RL hub assembly is a mirror of the RR.



Upper Arm Assembly

BAG B - Step 13

Ax2

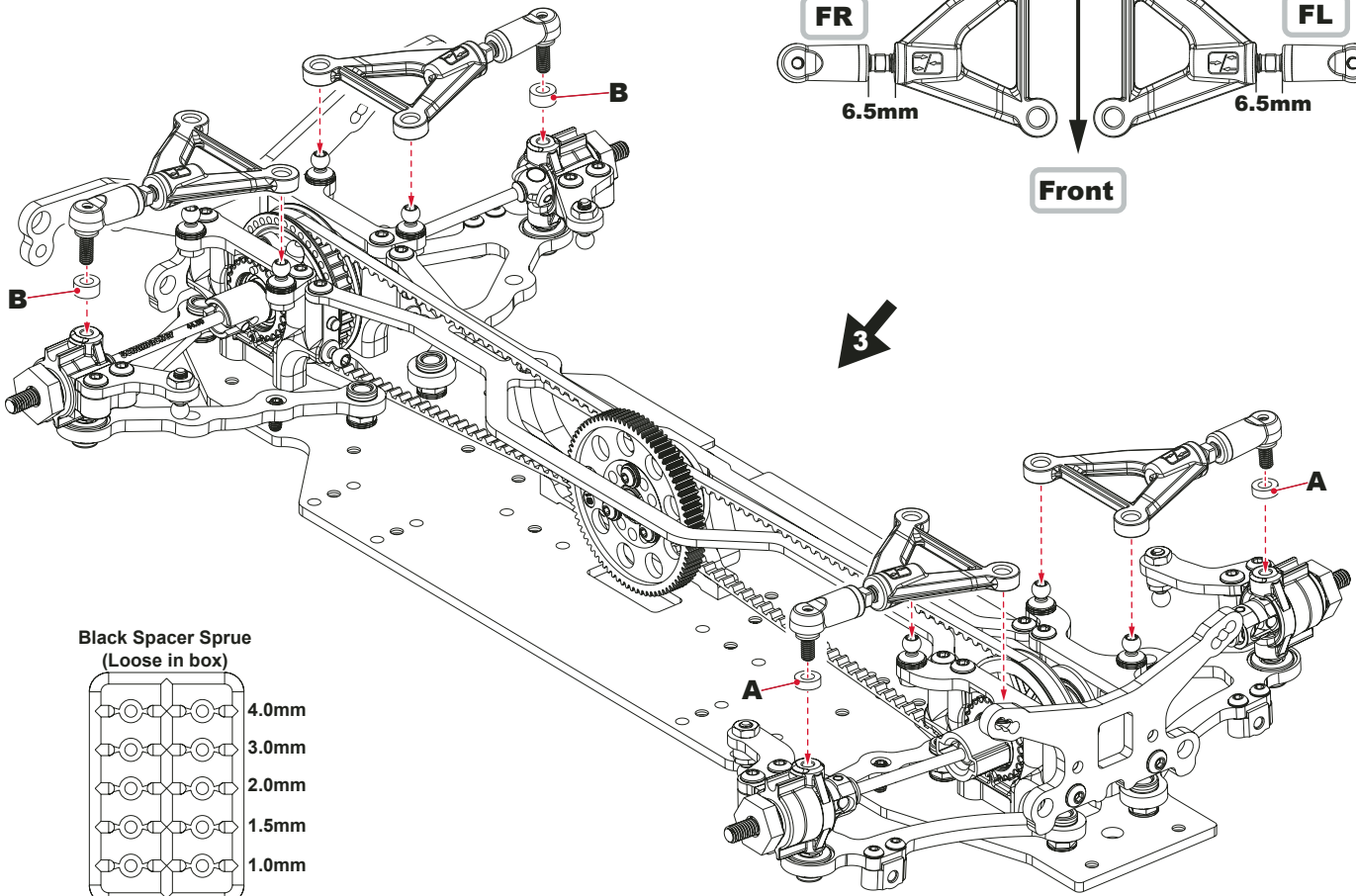
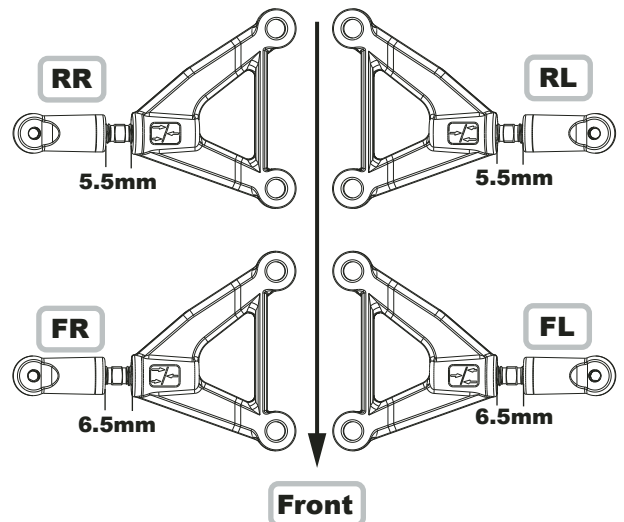
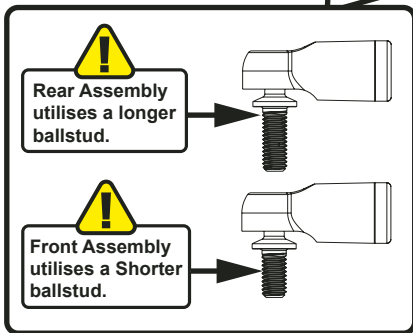
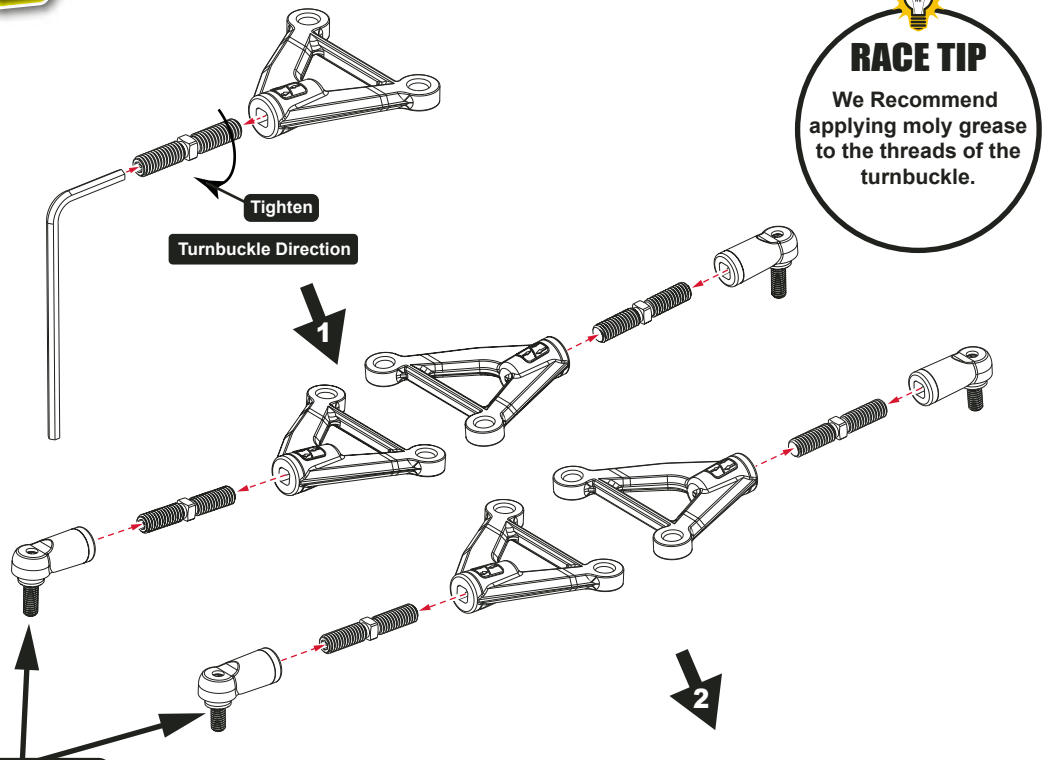
2mm Black Spacer

Bx2

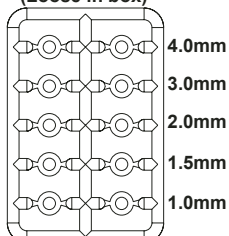
3mm Black Spacer

RACE TIP

We Recommend applying moly grease to the threads of the turnbuckle.












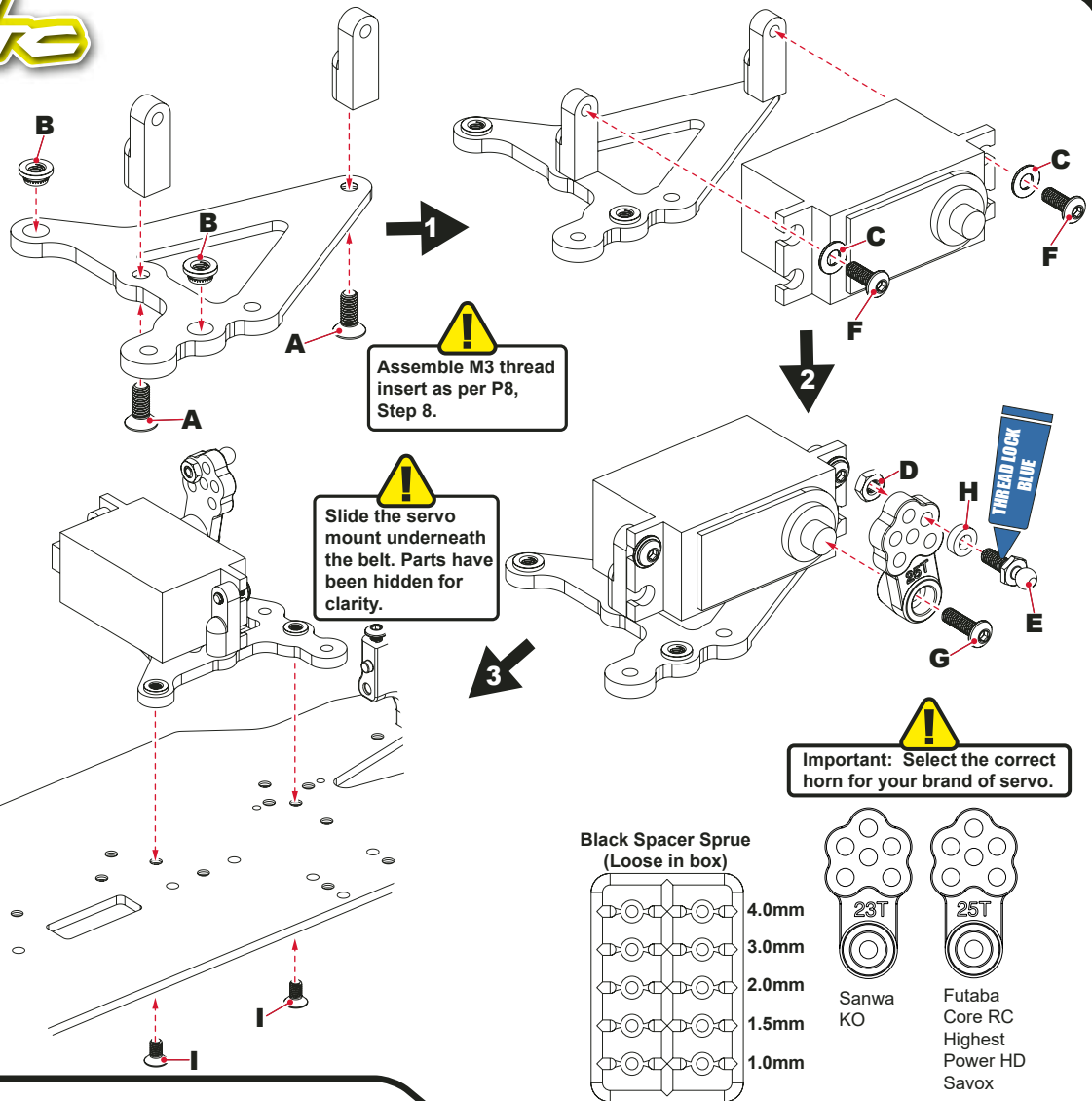
Black Spacer Sprue (Loose in box)



Steering Assembly










BAG A - Step 14

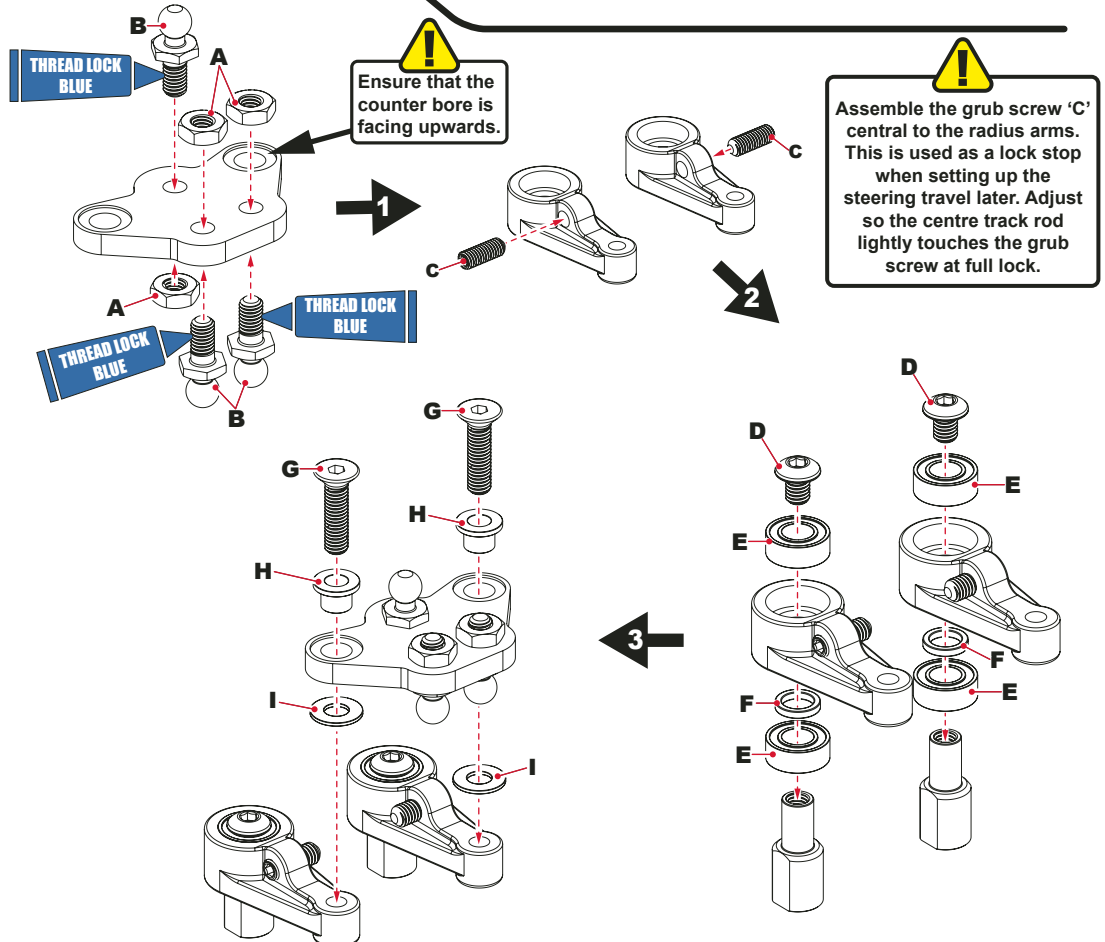
- Ax2**  M3 X 8 CSK Screw
- Bx2**  M3 Insert
- Cx2**  M3 Washer
- Dx1**  M3 Nut
- Ex1**  Ball Stud Long
- Fx2**  M3x8 Button Hd
- Gx1**  M3x10 Button Hd
- Hx1**  2mm Black Spacer
- Ix2**  M3x6 Csk Screw



Steering Assembly

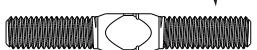
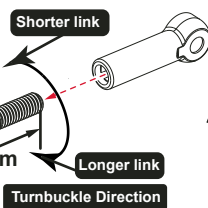
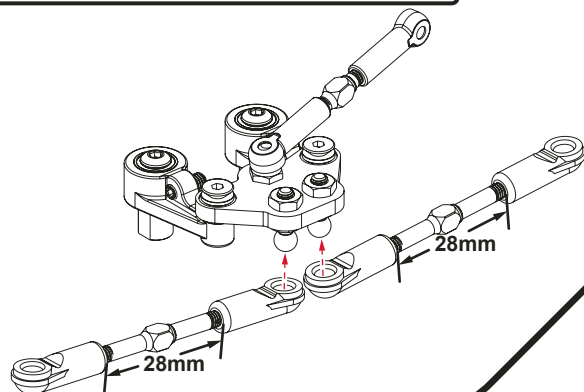
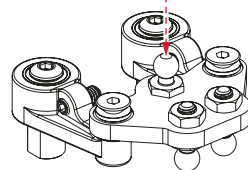
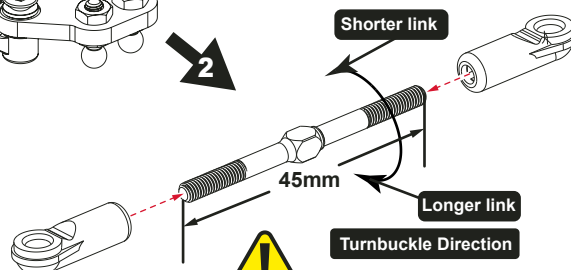
BAG A - Step 15a

- Ax3**  M3 Nut
- Bx3**  Ball Stud Short
- Cx2**  M3x8 Grub Screw
- Dx2**  M3x4 Button Hd Screw
- Ex4**  Ø4xØ8x3mm Bearing
- Fx2**  Steering Post
- Gx2**  M3x12 Csk Screw
- Hx2**  Steering Bush
- Ix2**  M3 Washer



**Steering
Assembly**
BAG B - Step 15b

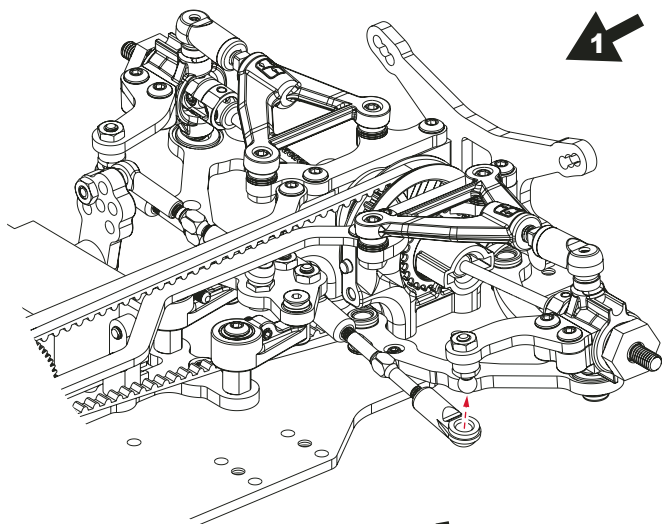
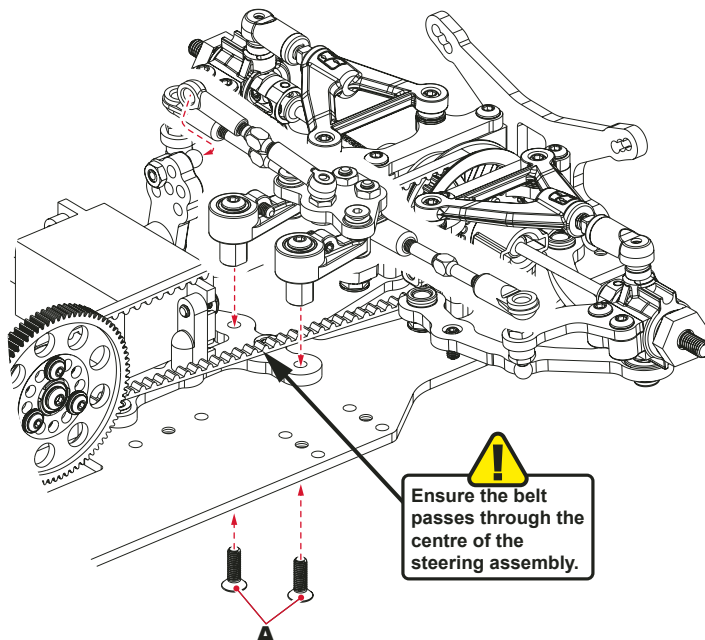
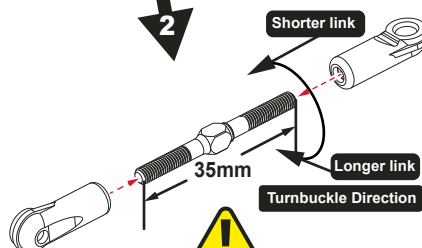

Note the shape of the turnbuckle.
This groove indicates the left hand thread.

**RH
Thread**

**LH
Thread**

1

2


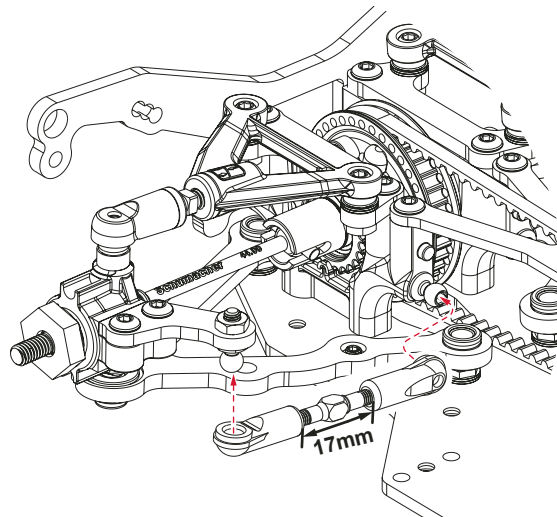
Build a pair of track rods.

3
**Steering
Assembly**
BAG C - Step 16
Ax2


M3x10 Csk Hd Screw


1

A
2


Build a pair of track rods.

3


Shock Assembly
BAG C - Step 17
Ax8


Shock Shim

Bx4


Red 'O' Ring

Cx4


Stepped Washer

Dx4


M2.5x6 Csk Screw

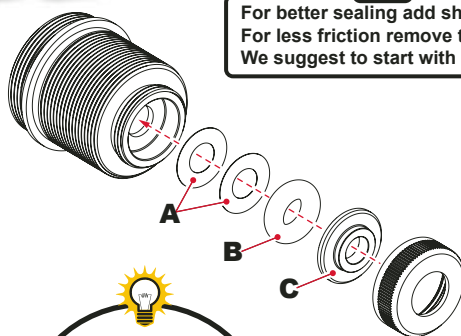
Ex4


M2 Washer

Fx4


Ø13x2 'O' Ring

!
For better sealing add shims **A**.
For less friction remove them.
We suggest to start with 2.

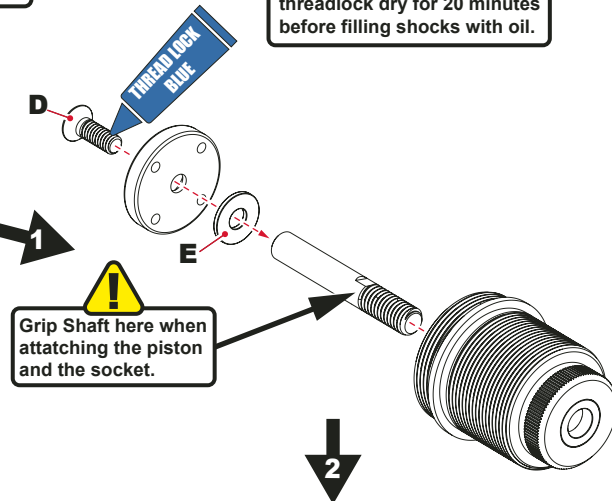


RACE TIP
Once the shock is assembled, fill with oil to allow the o'rings 'A' to expand slightly. then re-build before use.

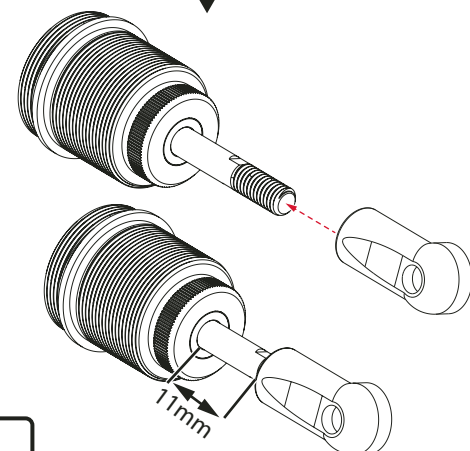


!
Fill with oil upto this point.

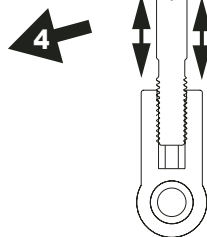
!
Ensure screw is clean & let threadlock dry for 20 minutes before filling shocks with oil.



!
Grip Shaft here when attaching the piston and the socket.

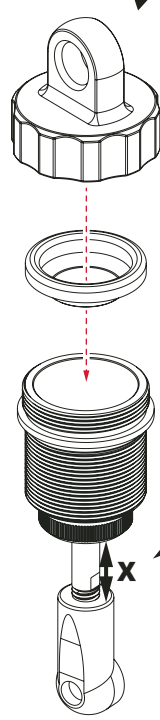


!
Slowly move the piston up and down 2 or 3 times. Then wait for the air bubbles to rise to the top and disappear. This may take upto 5 minutes.



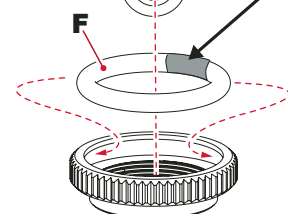
!
Drilling this hole through provides a 'vented' shock, and reduces the rebound.

!
Max 1.2mm Drill.

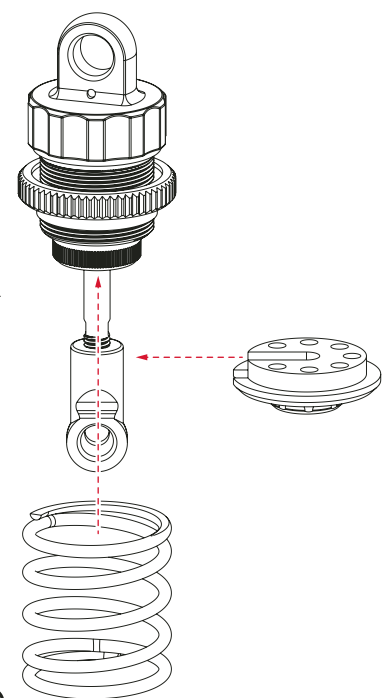


!
The Rebound can be adjusted by increasing the distance 'X' before fitting the diaphragm and the top ring.

RACE TIP
A section of the O'ring may be removed to tune the drag of the adjuster. Remove approximately 25% if necessary.



Info
The front spring is 2.5 N/mm (Blue).
The rear spring is 2.7N/mm (Orange).



Shock Mounting

BAG C - Step 18

Ax2

M3x8 Button Hd Screw

Bx2

M3x12 Button Hd Screw

Cx2

1mm Black Spacer

Dx4

1.5mm Black Spacer

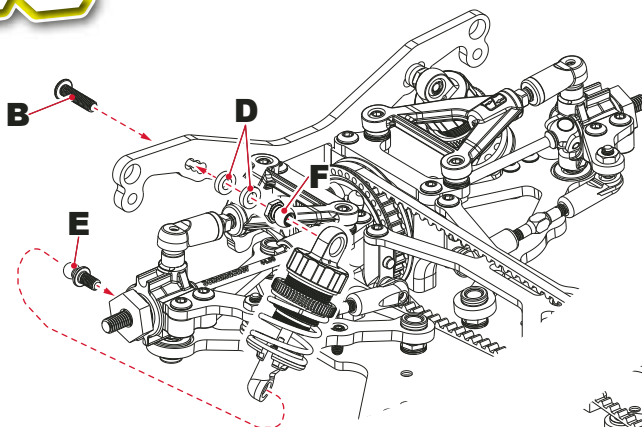
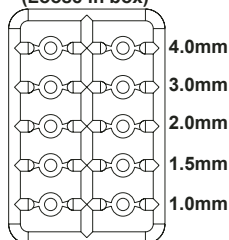
Ex4

Ball Stud Short

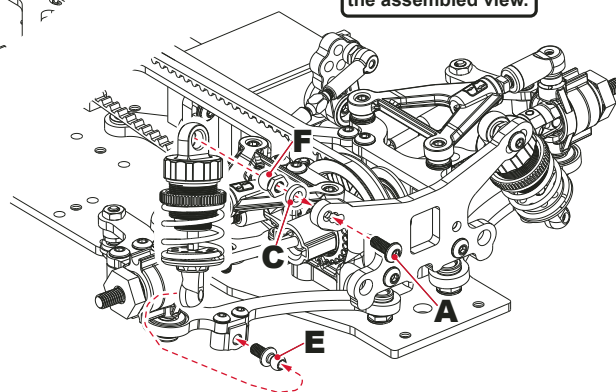
Fx4

Pivot Ball

Black Spacer Sprue
(Loose in box)



The left hand side of the car shows the assembled view.



LiPo Mounting Assembly

BAG C - Step 19

Ax2

M3x6 Csk Hd Screw

Bx2

M3x10 Csk Hd Screw

Cx2

M3x12 Csk Hd Screw

Dx2

M3x10 Button Hd Screw

Ex2

M3x12 Button Hd Screw

Fx2

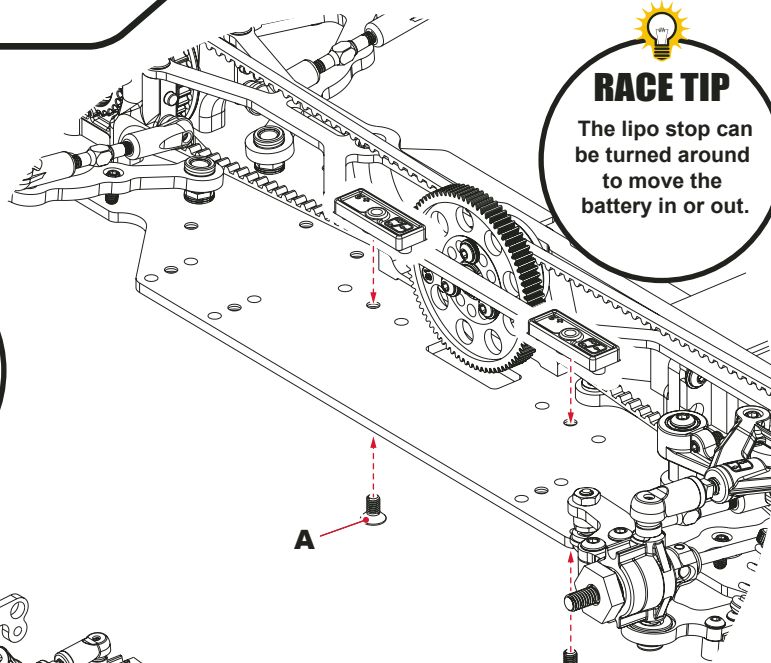
M3x16 Button Hd Screw

Gx2

M3 Washer

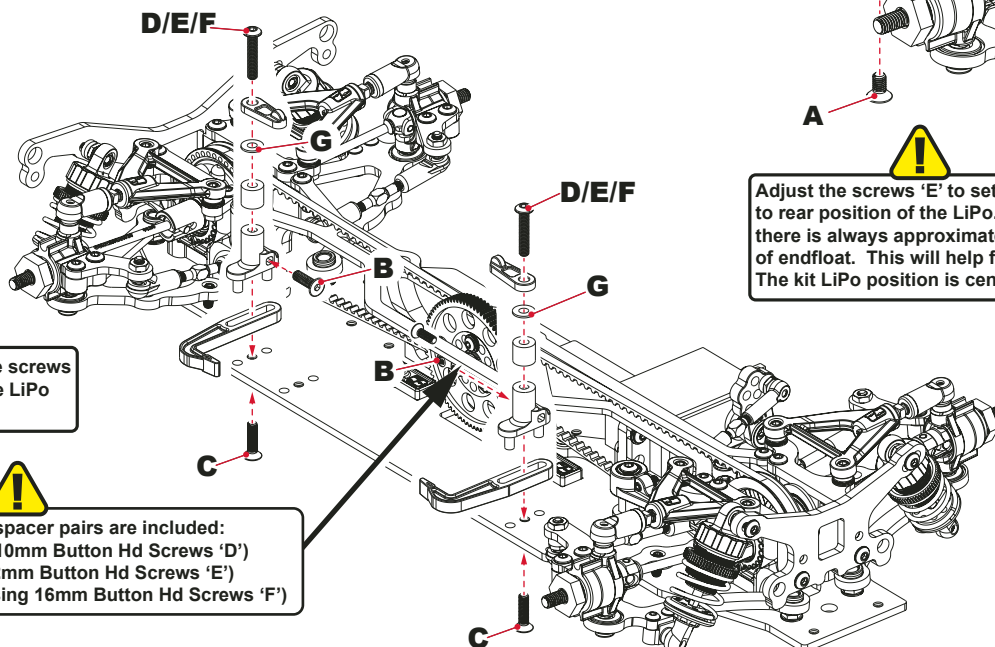
RACE TIP

The LiPo should have 0.5mm end float. This helps the flex of the car.



RACE TIP

The lipo stop can be turned around to move the battery in or out.



Adjust the tightness of the screws to set the resistance of the LiPo swivel to your preference.







Three different plastic LiPo spacer pairs are included:
ULCG LiPos: 1.5mm (using 10mm Button Hd Screws 'D')
LCG LiPos: 3.5mm (using 12mm Button Hd Screws 'E')
Full height LiPos: 6.5mm (using 16mm Button Hd Screws 'F')

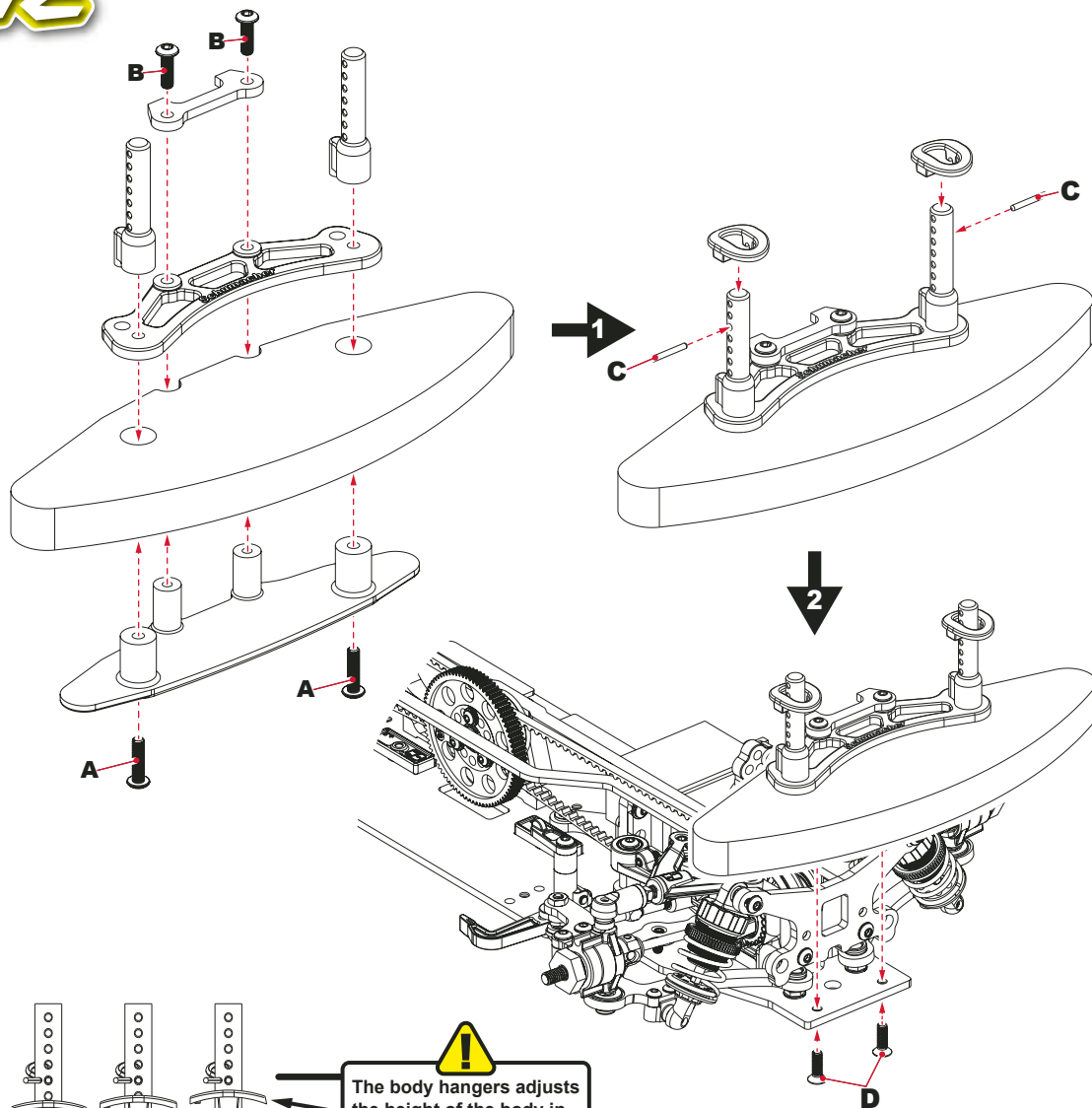


Adjust the screws 'E' to set the front to rear position of the LiPo. Ensure there is always approximately 0.5mm of endfloat. This will help flexibility. The kit LiPo position is central.

Bumper Assembly



BAG C - Step 20a

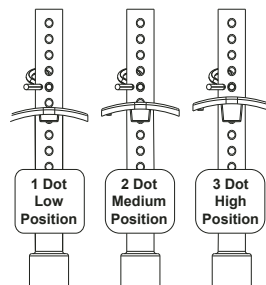
- Ax2** 
M3x12 Button Hd Screw
- Bx2** 
M3x10 Button Hd Screw
- Cx2** 
Ø1.5x11.8 Pin
- Dx2** 
M3x10 Csk Hd Screw



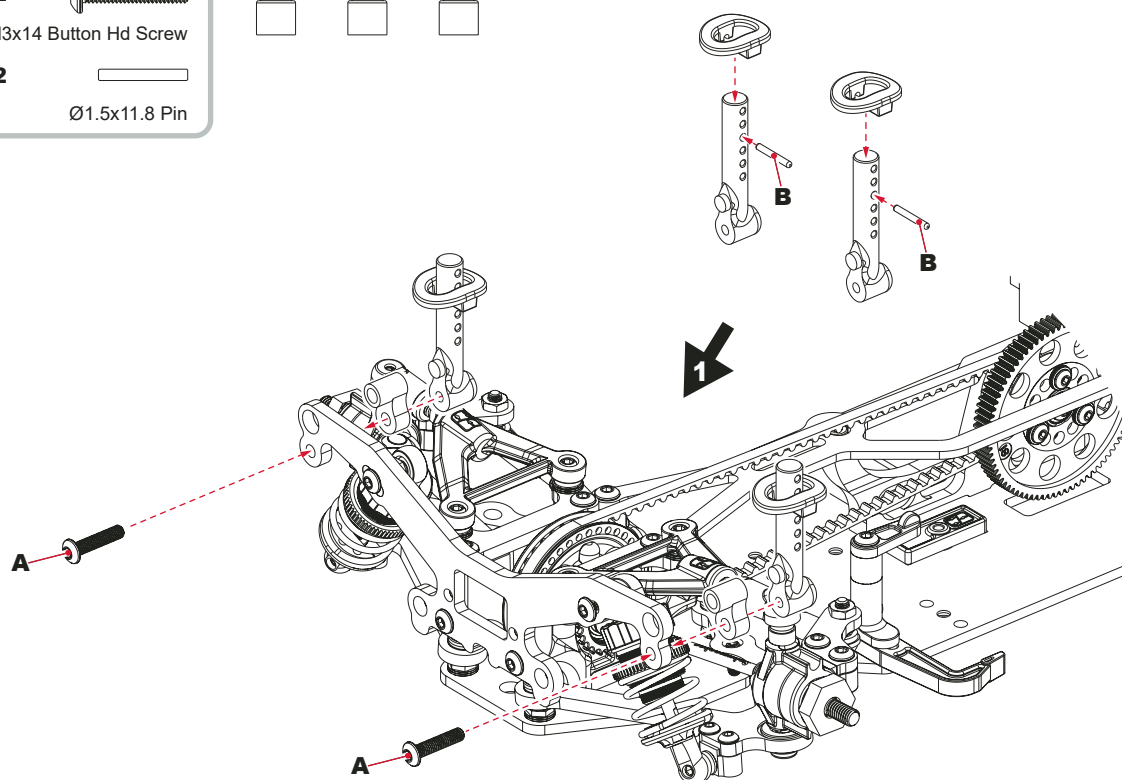
Rear Body Post Assembly

BAG C - Step 20b

- Ax2** 
M3x14 Button Hd Screw
- Bx2** 
Ø1.5x11.8 Pin



The body hangers adjust the height of the body in 1.2mm steps. Note the dots on the underside.



**Electronics
Assembly**

BAG C - Step 21a

Ax1

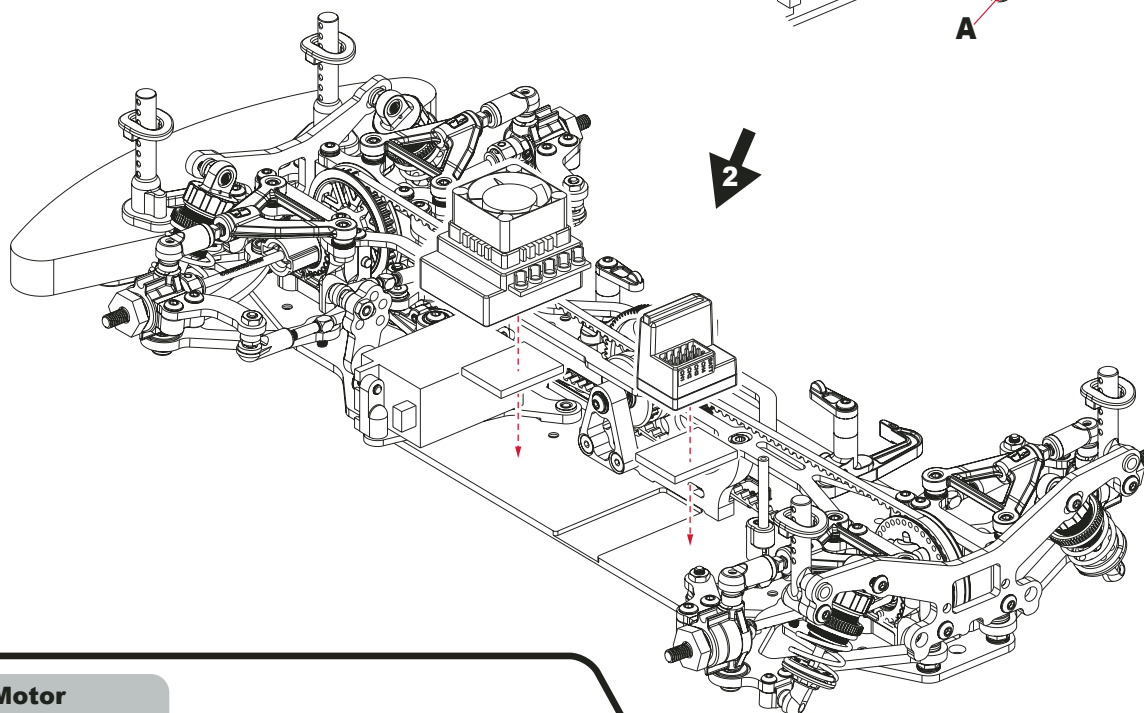
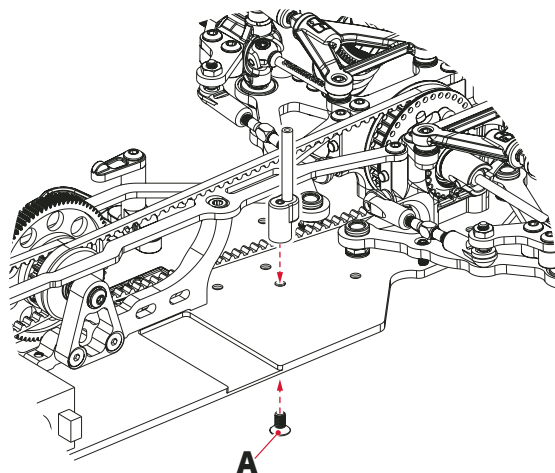
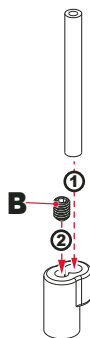


M3x6 Csk Hd Screw

Bx1



M3x4 Grub Screw



**Motor
Assembly**

BAG C - Step 21b

Ax2

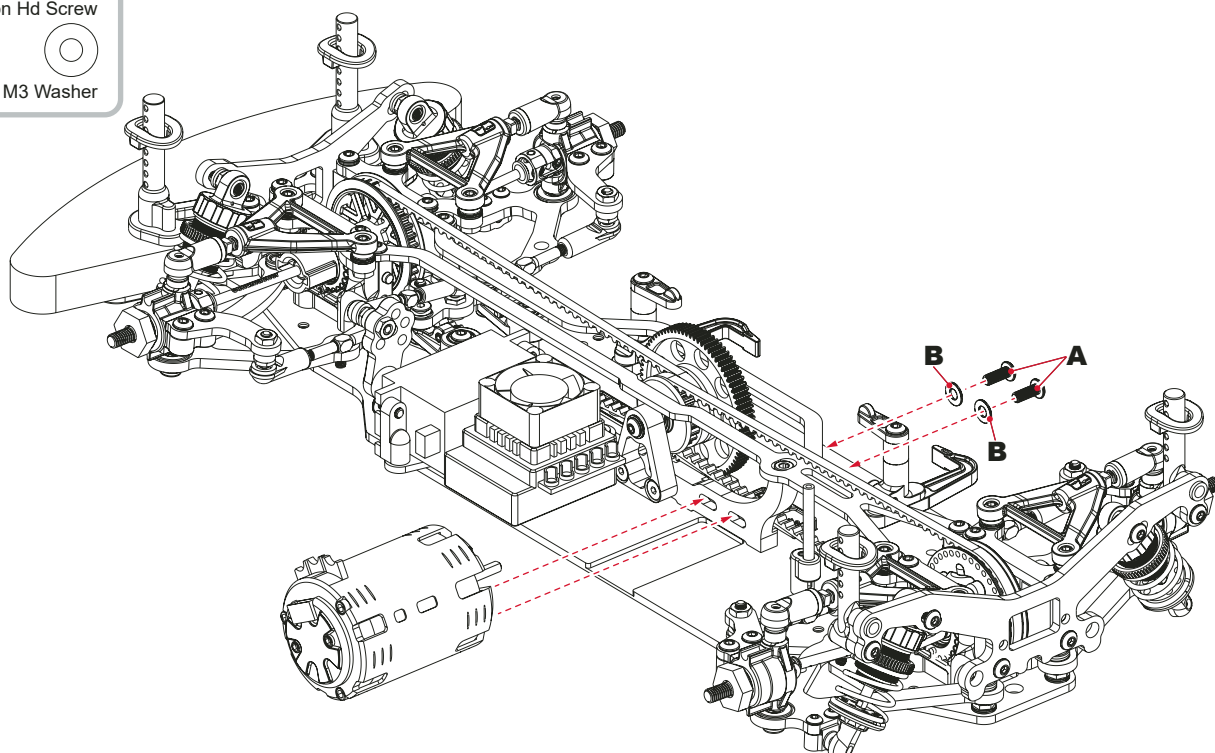


M3x8 Button Hd Screw

Bx2



M3 Washer



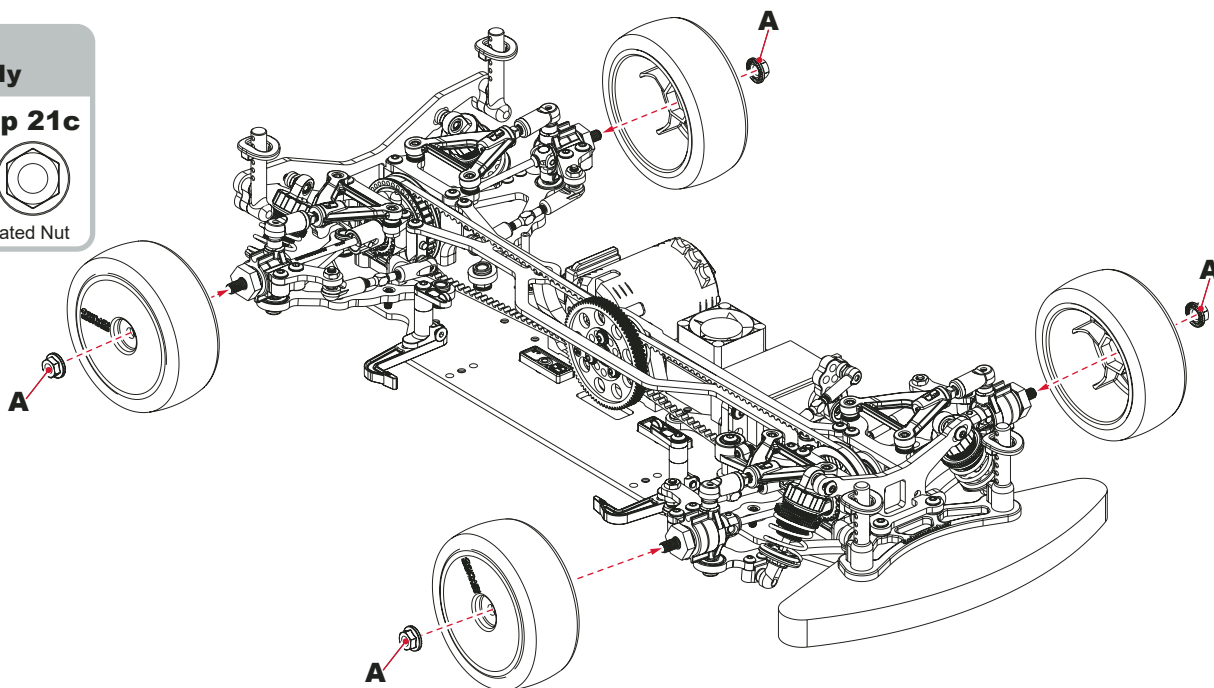
Wheel Assembly

BAG C - Step 21c

Ax4

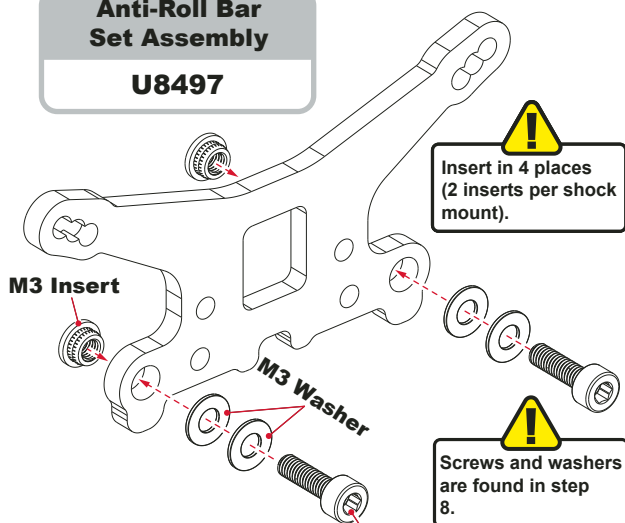


M4 Serrated Nut



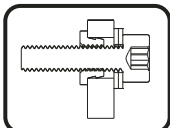
Anti-Roll Bar Set Assembly

U8497



!
Tighten cap head screw until the M3 thread insert is pulled into the shock mount. Remove the screws and washers after the insert is assembled.

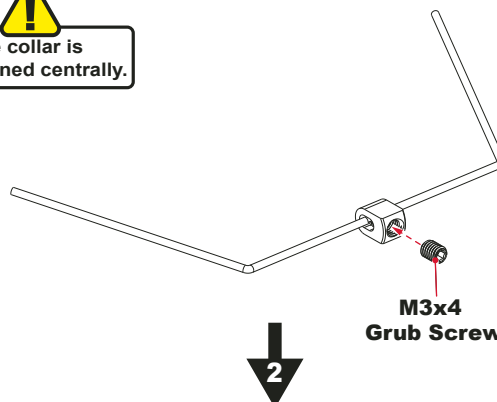
M3x10 Cap HD



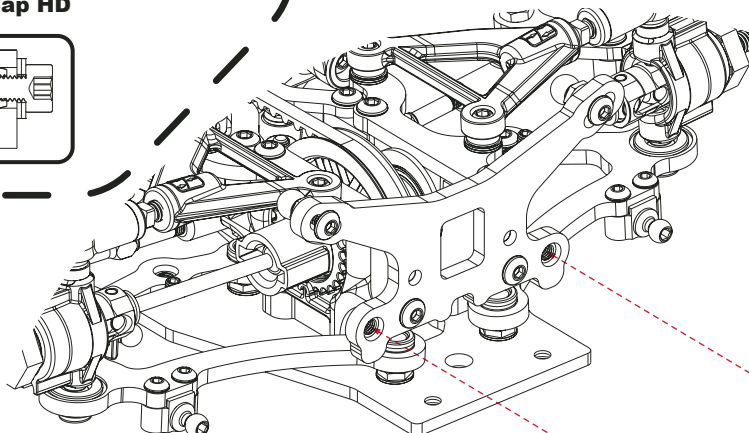
!
We recommend starting with 1.2mm front ARB and 1.3mm rear ARB.

!
Ensure collar is positioned centrally.

1



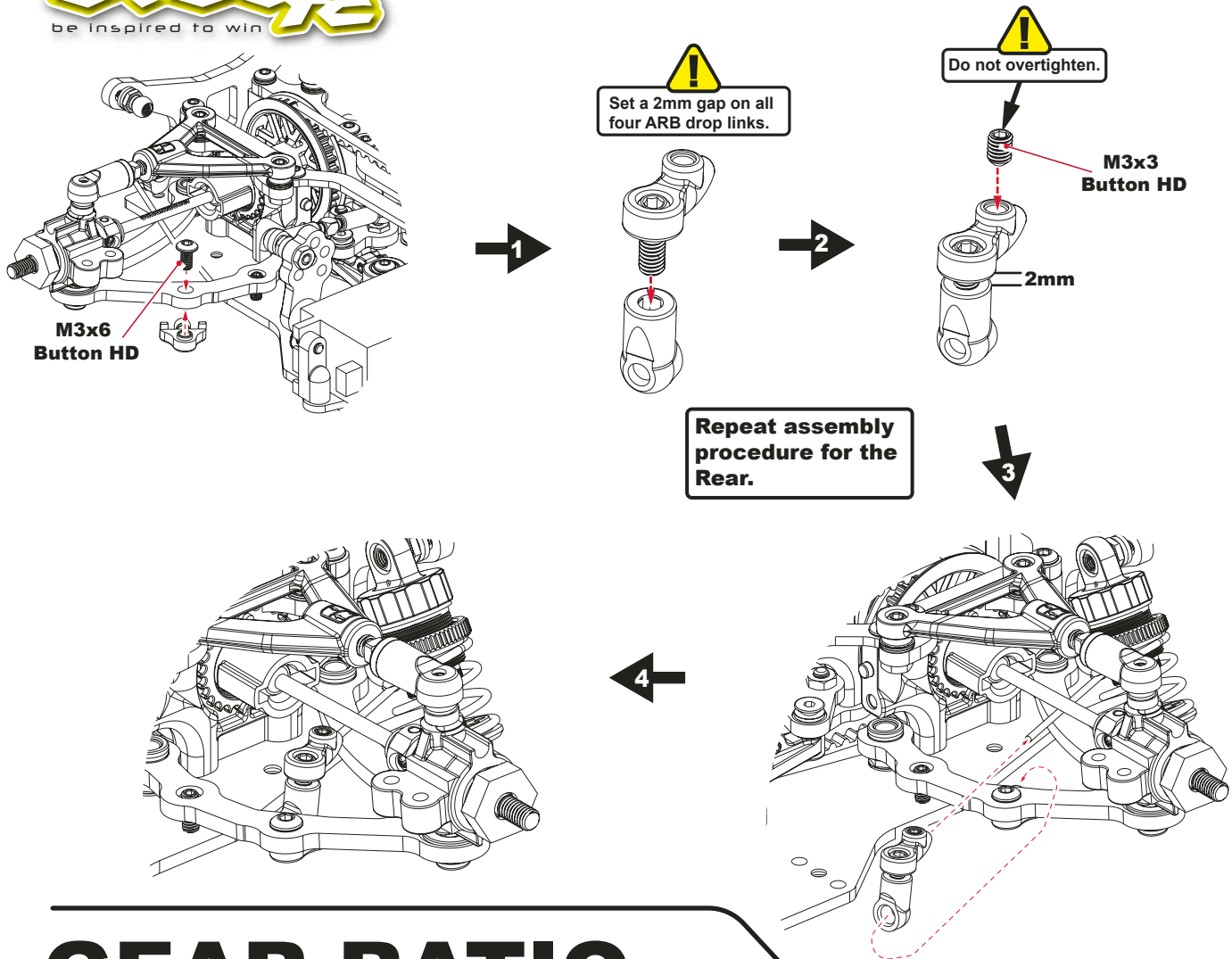
M3x4 Grub Screw



!
Tighten grub screw so that there is minimal slop in the ARB wire. Ensuring the wire can still pivot freely.

M3x4 Grub Screw

M3x8 Button HD



GEAR RATIO



We recommend long boss pinions for less risk of run out issues. We strongly advise not to use pinions with two m3 tapped holes such as U3421 - U3440.

GEAR RATIO CHART - 48DP

Maximum tooth sum = 123
Minimum tooth sum = 107

GEAR RATIO CALCULATIONS

Internal Ratio = 1.6363 : 1

Final Drive Ratio (FDR) = SPUR x 1.6363

SPUR = $\frac{\text{FDR} \times \text{PINION}}{1.6363}$

PINION = $\frac{\text{SPUR} \times 1.6363}{\text{FDR}}$

| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
|----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 76 | | | | | | | | | | | 4.01 | 3.88 | 3.76 | 3.65 | 3.55 | 3.45 | 3.36 | 3.27 | 3.18 | 3.1 | 3.03 | 2.96 |
| 77 | | | | | | | | | | 4.2 | 4.06 | 3.93 | 3.81 | 3.7 | 3.6 | 3.5 | 3.4 | 3.31 | 3.23 | 3.15 | 3.07 | 3 |
| 78 | | | | | | | | | 4.4 | 4.25 | 4.11 | 3.98 | 3.86 | 3.75 | 3.64 | 3.54 | 3.44 | 3.35 | 3.27 | 3.19 | 3.11 | 3.03 |
| 79 | | | | | | | | 4.61 | 4.45 | 4.3 | 4.17 | 4.03 | 3.91 | 3.8 | 3.69 | 3.59 | 3.49 | 3.4 | 3.31 | 3.23 | 3.15 | 3.07 |
| 80 | | | | | | | 4.84 | 4.67 | 4.51 | 4.36 | 4.22 | 4.09 | 3.96 | 3.85 | 3.74 | 3.63 | 3.53 | 3.44 | 3.35 | 3.27 | 3.19 | 3.11 |
| 81 | | | | | | 5.09 | 4.9 | 4.73 | 4.57 | 4.41 | 4.27 | 4.14 | 4.01 | 3.89 | 3.78 | 3.68 | 3.58 | 3.48 | 3.39 | 3.31 | 3.23 | 3.15 |
| 82 | | | | | 5.36 | 5.16 | 4.96 | 4.79 | 4.62 | 4.47 | 4.32 | 4.19 | 4.06 | 3.94 | 3.83 | 3.72 | 3.62 | 3.53 | 3.44 | 3.35 | | |
| 83 | | | | 5.65 | 5.43 | 5.22 | 5.03 | 4.85 | 4.68 | 4.52 | 4.38 | 4.24 | 4.11 | 3.99 | 3.88 | 3.77 | 3.67 | 3.57 | 3.48 | 3.39 | | |
| 84 | | | 5.97 | 5.72 | 5.49 | 5.28 | 5.09 | 4.9 | 4.73 | 4.58 | 4.43 | 4.29 | 4.16 | 4.04 | 3.92 | 3.81 | 3.71 | 3.61 | 3.52 | | | |
| 85 | | 6.32 | 6.04 | 5.79 | 5.56 | 5.34 | 5.15 | 4.96 | 4.79 | 4.63 | 4.48 | 4.34 | 4.21 | 4.09 | 3.97 | 3.86 | 3.75 | 3.66 | | | | |
| 86 | 6.7 | 6.39 | 6.11 | 5.86 | 5.62 | 5.41 | 5.21 | 5.02 | 4.85 | 4.69 | 4.53 | 4.39 | 4.26 | 4.13 | 4.02 | 3.9 | 3.8 | | | | | |



TRACK SETTINGS

RIDE HEIGHT

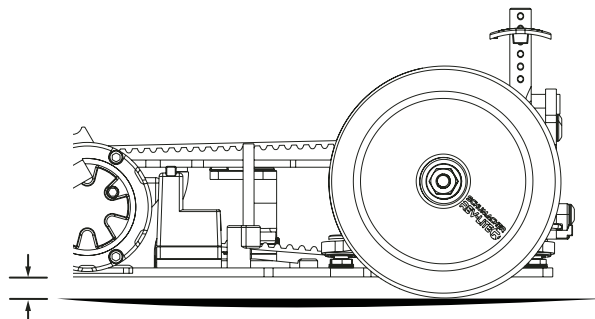
Use the spring adjusters on the shock absorbers to adjust the front and rear ride heights. We recommend setting the ride height to around 5.0mm on carpet/ high traction tarmac/asphalt and 5.5mm on tarmac/asphalt or low traction carpet tracks.

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.

In general:

High traction levels/Smooth tracks = Lower ride height (5.1mm-5.4mm)

Low traction levels/Bumpy tracks = Higher ride height (5.4mm-6.0mm)



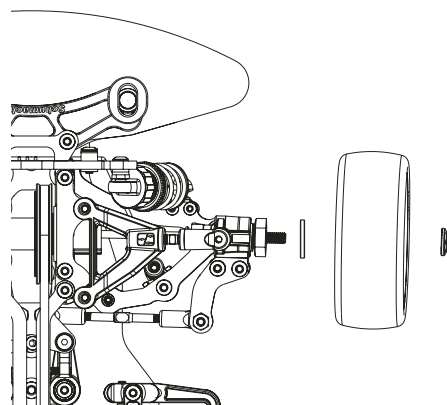
TRACK WIDTH

The track width may be adjusted using 2 different hex widths, or shims:

U8333 - Wheel hex spacers 0.25, 0.5, 0.75mm - pk12

U4577 - Alloy wheel hex ; Wide (pr)

Increasing the rear track width provides more rear stability/less rotation and vice versa. Increasing the front track width provides a less aggressive/less rotation and vice versa. A wider car is better suited to high traction conditions and a narrower car to low traction conditions.



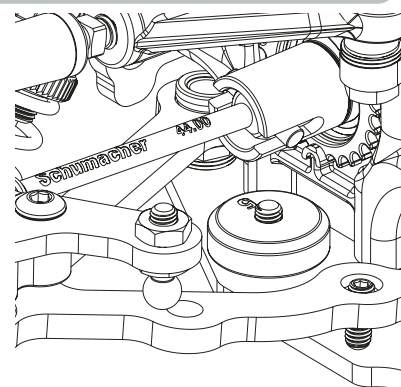
WEIGHT DISTRIBUTION

There are several positions intended for weight placement in the front and rear of the car. Please see the setup sheet for suggested placements. We recommend the use of U8773 for this.

For the most neutral car balance, we recommend a 50:50 weight distribution. This is easily achieved with no weights and centrally placed electronics.

More rearwards weight generally gives a more aggressive car with more steering.

More forwards weight generally gives a smoother car handling with less steering. A more forwards weight bias will make the car easier to drive in higher grip conditions.

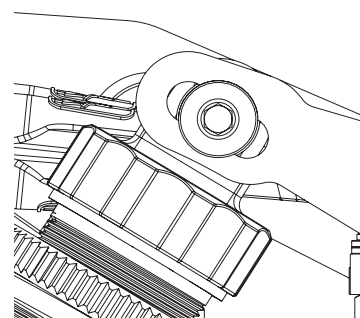


SHOCK ANGLES

The shock angles can provide fine tuning over the suspension stiffness.

A more angled shock setup (lower number shock mount holes) creates a softer setup which is less responsive, often suited to high traction conditions.

A more upright shock setup (higher number shock mount holes) creates a stiffer setup which is more responsive, often suited to lower traction conditions.

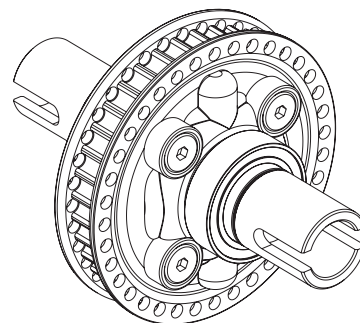


GEAR DIFF

Gear diff oil can be changed to affect car handling.
Generally, high traction conditions = thicker oil. (2k-5k)
Low traction conditions = thinner oil. (1K-2K),

A thicker gear diff oil will have a much smoother off power, corner entry feeling, preventing corner entry over rotation. It will also make the car feel less likely to slide off power, in the corner. It will however have more on power steering, and can feel like on power oversteer.

Thinner gear diff oil will create the opposite effect. More aggressive corner entry, and more steering off power in the corner. It will have less on power steering, but will feel much easier to put the power on without oversteering.

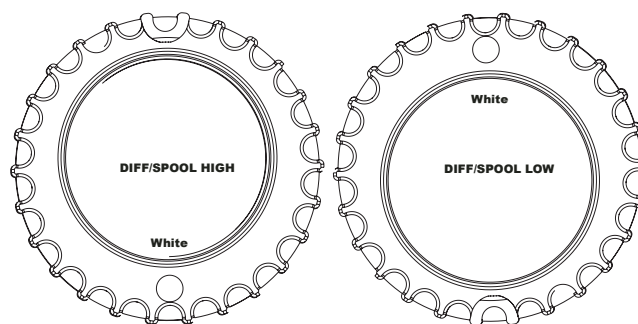


DIFF/SPOOL HEIGHT

The low diff or spool position provides more grip at that end of the car, and is suited to low or medium traction conditions.
Low diff is when the white circular marker is facing downwards in the car.

The high diff or spool position is only suggested for very high grip conditions.

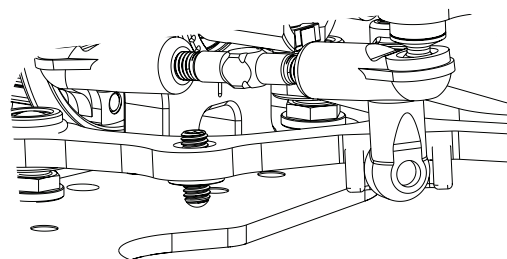
High diff is when the white circular marker is facing upwards in the car.



DROOP

The starting point for droop suggested by the team is 22.4mm rear, 23mm front. These numbers are checked on the Aerox droop gauge set. AX015.
This is the measurement between the chassis underside and the axle centre.
Droop is adjusted using the grub screw illustrated.

We suggest using a range between 20mm and 24mm depending on the track conditions. A lower number will give more grip and you can adjust the front and rear separately to adjust the balance of the car.



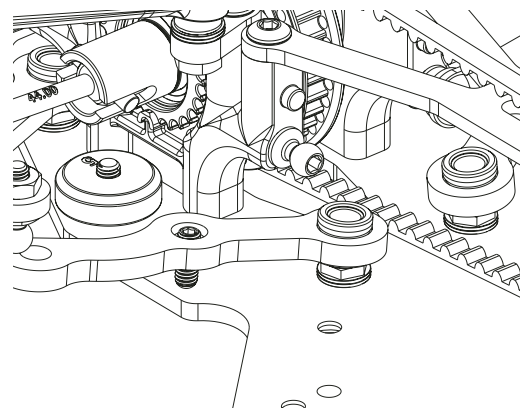
LOWER WISHBONE SPACERS

The kit setting is 1.0mm under all 8 wishbone lower balls.

Increasing the height of the arms = increased roll centres
lowering the height of the arms = decreased roll centres

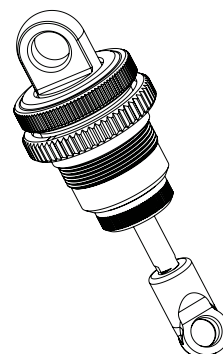
Increased roll centres help the car to be free and will rotate more. This helps when the traction is high or when the car has understeer. Decreasing the roll centres will make the car more stable and easier to drive, however on high grip tracks the car may have excessive understeer.

Anti-dive is commonly used to improve the cars handling going into corners as it makes the car more stable at lower speeds. You can achieve this by using a smaller washer at the front arms, this creates a downwards angle on the front arms.



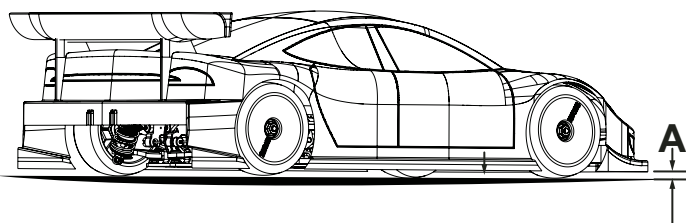
SHOCK OIL

The aim is to achieve improved handling over bumps and control the weight transfer of the car. If the track is particularly bumpy, increase the shock oil viscosity to help handling over bumps. If the traction is low, lowering the shock oil to improve weight transfer and generate more grip. If the traction is high, increasing the shock oil to make the car smoother and less unpredictable. In higher temperature, increase the shock oil to maintain a consistent rate in damping as warmer temperatures lower the viscosity of the oil. Our suggested range is between 300cSt and 500cSt, when using Core-Rc shock oil with kit pistons. The standard piston hole size is 1.1mm and if you are using larger holes it is likely thicker oil will be needed. If you are using a 3 hole piston then the hole size will need to be bigger to maintain similar ratings.



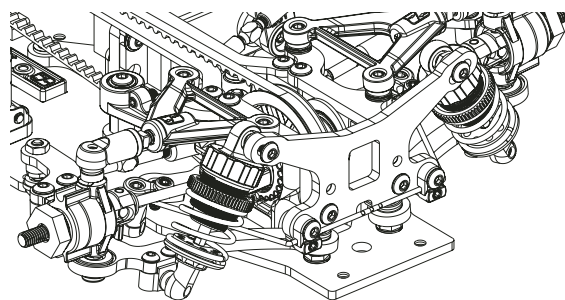
BODY HEIGHT

Height 'A' Should be set by adjusting the body hangers. For big adjustments move the pin up or down a hole. For smaller adjustments change which body hanger you are using. The 1 dot hanger is the lowest and the 3 dot hanger is the highest. We recommend starting with 7mm at 'B'. On a bumpy track you may need to increase this as the bodysell might catch on the track. We recommend a rear wing height of 115mm from the floor to the rear wing when the car is in race trim.



Anti-Roll Bars

Anti roll bars allow the tuning of roll stiffness and change the way that the weight is transferred. A stiffer rear roll bar will reduce entry steering but increase on power steering. A stiffer front roll bar will increase entry steering, but provide a smoother handling through the middle of the corner. The roll bars need to be set equally left to right. This is done by adjusting the drop link ball height. With the shocks off, check the roll bar lifts the opposite side when lifted to an equal height. A great tool for this is AX015.

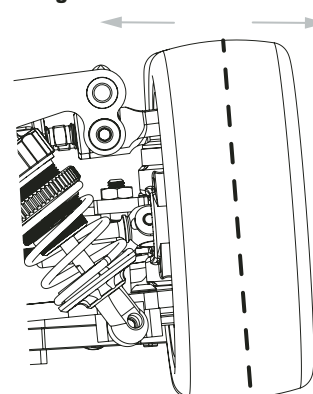


CAMBER

In general the aim is to run the correct amount of camber for the tyre being used and the track conditions. Typically this is between -1.0° and -2.5° .

Increasing the front and rear camber together will often result in more traction, but with a more sudden loss of grip when going beyond the limit. Less overall camber will offer a more progressive slide but may have less overall grip. More camber may be applied to the front or rear, normally resulting in more grip at that end of the car. The team suggest a starting camber of 2.0° Rear and 1.5° Front, increasing to 2° Front camber if more front grip/steering is required.

Negative Camber Positive Camber



OPTION PARTS



U7542 Ultra Short Alloy Spring Seat pr



U3582 Precision Balance Pivot Set



U3525 Alloy Wheel Hex - Medium pr
U4577 Alloy Wheel Hex - Wide pr



U7837 C/F Upper Bumper



U7827 Alloy LiPo Mount pr



U7400 Titanium Low Profile M4 Serrated Nut (pk4)



U7839 C/F LiPo Swivel pr



U8333 Wheel Hex Spacers 0.25, 0.5, 0.75mm - (pk12)



U7849 Alloy Servo Post



U8323 C/F Lipo Hook (pr)



U7855 Titanium Rear Axle pr



U8256 Alloy T Brace



U9008 Brass LiPo Hook (pr)



U8497 Anti Roll Bar Set - Vibe TC



U8882 Alloy Transmission Housings (pr)



U8258 Castor Gauge (pr)

**See Page 26 for
more Option Parts**

PARTS LIST

Chassis Parts

| | |
|-------|--|
| U4741 | 6mm Offset Servo Arms |
| U4773 | Aerial Mount |
| U7738 | Radius Arms pr - Mi7,FT,Mi8,FT8,Mi9 |
| U7739 | Body Post Spacers - Mi7,Mi8 (pr) |
| U7750 | LiPo Mounting Mouldings set - Mi7-9,FT8,Mi9,Neon |
| U7773 | Alloy Steering Pivots/Spacers - Mi7-9,Neon (pr) |
| U7790 | Foam Bumper - Mi7,FT,Mi8,Mi9 |
| U7848 | Servo Post - Mi7,Neon |
| U7850 | Body Post Set (4pcs) - Mi7,FT,Mi8,Neon |
| U8316 | Front Bumper Mouldings - Mi8,FT8,Mi9,Neon |
| U8828 | Inner Lipo Stop (pr) - Neon |
| U8835 | Transmission Housing (pr) - Neon |
| U8839 | Motor Mount - Neon |
| U8840 | Alloy Layshaft Mount - Neon |
| U8842 | Steering Pivot - Neon |
| U9082 | S2 Centre Track Rod - Vibe TC |
| U9083 | S2 FL Wishbone - Vibe TC |
| U9084 | S2 FR Wishbone - Vibe TC |
| U9085 | S2 RL Wishbone - Vibe TC |
| U9086 | S2 RR Wishbone - Vibe TC |
| U9087 | S2 Front Shock Mount - Vibe TC |
| U9088 | S2 Rear Shock Mount - Vibe TC |
| U9089 | S2 Chassis - Vibe TC |
| U9090 | S2 Topdeck - Vibe TC |
| U9091 | S2 Upper Link Mount Front (pr) - Vibe TC |
| U9092 | S2 Steering Arm (pr) - Vibe TC |
| U9093 | S2 Rear Toe Arm (pr) - Vibe TC |
| U9094 | S2 Servo Mount - Vibe TC |
| U9097 | S2 Bumper Stop - Vibe TC |
| U9098 | Assembly Jig Kit - Vibe TC |
| U9099 | S2 Upper Link Mount Rear (pr) - Vibe TC |

Bodies & Decals

| | |
|---------------|---|
| U9102 | Decal - Vibe TC |
| U9103 | Manual - Vibe TC |
| AX035 | Aerox Touring Car Body Side Stiffeners |
| AX036 | Aerox Touring Car Body Rear Stiffeners |
| MR33-RW05 | MR33 Touring Rear Wing 0.5mm v2 |
| MR33-TWS-05 | MR33 Touring Car Wing Set 0.5mm (2) |
| MR33-TWS-07 | MR33 Touring Car Wing Set 0.7mm (2) |
| MT018002H | Montech Wing Hard 1mm |
| MT018003M | Montech Wing Medium 0.75mm |
| MT019013 | Montech Montecarlo Body - Std |
| MT019013L | Montech Montecarlo Body - Light Weight |
| MT019018 | Montech YSOT Body Standard |
| MT019018L | Montech YSOT Body Light Weight |
| MT021001 | Montech IMOLA TC Body - Standard |
| MT021001L | Montech IMOLA TC Body - Lightweight |
| MT021011 | Montech Zero TC Body - Standard |
| MT021011L | Montech Zero TC Body - Lightweight |
| MT024008 | Montech JULIA TC Body - Standard |
| MT024008L | Montech JULIA TC Body - Lightweight |
| MT024009 | Montech 1/10th COMBO Wing Set - 0.75mm |
| U4806 | Touring Car Wheel Arch Cutting Jig |
| U5119 | Touring Car Wing + 2 End Plates - Clear |
| U5120 | Touring Car Wing + 2 End Plates - Black |
| U5121 | Touring Car Wing + 2 End Plates - Carbon |
| U8586 | Schumacher Decal Sheet - Black - pk2 |
| U8587 | Schumacher Decal Sheet - Neon Blue - pk2 |
| U8588 | Schumacher Decal Sheet - Neon Green - pk2 |
| U8589 | Schumacher Decal Sheet - Neon Orange - pk2 |
| U8590 | Schumacher Decal Sheet - Neon Pink - pk2 |
| U9102 | Decal - Vibe TC |
| XTMTB0413-ETS | Xtreme Twister - ETS TC Body |
| XTMTB0413-L | Xtreme Twister - Light TC Body |
| XTMTB0413-UL | Xtreme Twister - Ultra Light TC Body |
| XTMTB0415-UL | Xtreme Twister Speciale - Ultra Light TC Body |

Suspension

| | |
|-------|---|
| U3496 | Ball Studs; Short - pk 4 |
| U3497 | Ball Studs; Long - pk 4 |
| U4221 | Turnbuckle Adjuster HTT - 24mm - pr |
| U4223 | Turnbuckle Adjuster HTT - 45mm - pr |
| U4274 | Pro Ball Stud Short - pk4 |
| U4275 | Pro Ball Stud Long - pk4 |
| U4298 | Turnbuckle HT - 35mm - pr |
| U4775 | Pivot Ball 5.5mm - (4pcs) |
| U4904 | Precision Ball Stud Short - pk4 |
| U4905 | Precision Ball Stud Long - pk4 |
| U4968 | Ball Sockets Low Profile -Eclipse,PC,A3 - pk4 |
| U7733 | Hub Carriers - Mi7,Mi8,FT8 (pr) |
| U7748 | Upper Wishbone Mouldings - Mi7,Mi8,FT8 (pr) |
| U7808 | M4 Turnbuckle - 24mm (pr) |
| U7833 | Ball Stud Low (Short) (pk4) |
| U8185 | Upper Wishbone Conversion - Mi8 ,Mi9 |
| U8321 | Ball Sockets Pro - Grey (pk8) |
| U8837 | Lower Shock Mount (pr) - Neon |
| U9100 | Outer Wishbone Socket (pk4) - Vibe TC |
| U9104 | Up. Wishbone Outer Long Balljoint Assy - MI7/Vibe |
| U9105 | Up. Wishbone Outer Short Balljoint Assy - Vibe TC |

Transmission

| | |
|-------|---|
| U2153 | Spacers and Pins - pin drive - SST (4 sets) |
| U2184 | SPEED PACK - DiscSprings+DrivePins |
| U3838 | Driveshaft; Steel Bone Rear 1pc - Mi4CX-Mi6 |
| U4260 | Gear Diff Housings - Mi5/evo,Neon |
| U4261 | Gear Diff Bevel Gears - Mi5/evo,Mi6/evo,Neon |
| U4279 | Gear Diff Rebuild Kit - Mi5/evo,Mi6/evo,Neon |
| U4712 | Gear Diff O-Rings |
| U4879 | Gear Diff Pulley, Cover and Fence - Mi6/evo |
| U7752 | Rear Driveshaft Pins,Pivots - Mi7-8,FT,Neon |
| U7753 | Double Joint Driveshaft V2 pr - Mi7,FT,Mi8,FT8 |
| U7754 | Double Joint Driveshaft Pins,Pivots V2-Mi7,8,FT-8 |
| U7755 | Double Joint Driveshaft Bone V2 - Mi7,FT,Mi8,FT8 |
| U7756 | Double Joint Driveshaft Axle V2 - Mi7-8,FT,FT8,Neon |
| U7757 | Double Joint Driveshaft Tube V2 - Mi7-8,FT-8,Neon |
| U7778 | Rear Driveshaft Axle - Mi7,FT,Neon |
| U7785 | Diff End Float Shim 0.10mm (pk10) |
| U7786 | Gear Diff Rebuild Kit - Mi7,Mi8,FT8,Neon |
| U8166 | 5.5mm Pivot Ball Socket pk8 - Mi7,Mi8,FT8,Neon |
| U8833 | Eccentric (pr) - Neon |
| U8834 | Layshaft Mount & Pulley Set - Neon |
| U8836 | Spool Hub and Fence - Neon |
| U8860 | Layshaft - Neon |
| U8885 | Spool Output (pr) - Neon |
| U8886 | Wheel Hex (pr) - Neon |
| U8887 | Diff Output (pr) - Neon |
| U9095 | 117T x 3.0mm Belt - Vibe TC |
| U9101 | Rear Driveshaft (pr) - Vibe TC |

Pinions

| | |
|--------|----------------------------------|
| CR4821 | Pinion Gear 48DP 21T (7075 Hard) |
| CR4822 | Pinion Gear 48DP 22T (7075 Hard) |
| CR4823 | Pinion Gear 48DP 23T (7075 Hard) |
| CR4824 | Pinion Gear 48DP 24T (7075 Hard) |
| CR4825 | Pinion Gear 48DP 25T (7075 Hard) |
| CR4826 | Pinion Gear 48DP 26T (7075 Hard) |
| CR4827 | Pinion Gear 48DP 27T (7075 Hard) |
| CR4828 | Pinion Gear 48DP 28T (7075 Hard) |
| CR4829 | Pinion Gear 48DP 29T (7075 Hard) |
| CR4830 | Pinion Gear 48DP 30T (7075 Hard) |
| CR4831 | Pinion Gear 48DP 31T (7075 Hard) |
| CR4832 | Pinion Gear 48DP 32T (7075 Hard) |
| CR4833 | Pinion Gear 48DP 33T (7075 Hard) |

PARTS LIST

Pinions Cont.

| | |
|--------|--|
| CR4834 | Pinion Gear 48DP 34T (7075 Hard) |
| CR4835 | Pinion Gear 48DP 35T (7075 Hard) |
| CR4836 | Pinion Gear 48DP 36T (7075 Hard) |
| CR4837 | Pinion Gear 48DP 37T (7075 Hard) |
| CR4838 | Pinion Gear 48DP 38T (7075 Hard) |
| CR4839 | Pinion Gear 48DP 39T (7075 Hard) |
| CR4840 | Pinion Gear 48DP 40T (7075 Hard) |
| CR4841 | Pinion Gear 48DP 41T (7075 Hard) |
| CR4842 | Pinion Gear 48DP 42T (7075 Hard) |
| U7521 | Pinion; Long Boss Steel 48dp - 21T |
| U7522 | Pinion; Long Boss Steel 48dp - 22T |
| U7523 | Pinion; Long Boss Steel 48dp - 23T |
| U7524 | Pinion; Long Boss Steel 48dp - 24T |
| U7525 | Pinion; Long Boss Steel 48dp - 25T |
| U7526 | Pinion; Long Boss Steel 48dp - 26T |
| U7527 | Pinion; Long Boss Steel 48dp - 27T |
| U8021 | Pinion - Long Boss Hard Alloy 48DP - 21T |
| U8022 | Pinion - Long Boss Hard Alloy 48DP - 22T |
| U8023 | Pinion - Long Boss Hard Alloy 48DP - 23T |
| U8024 | Pinion - Long Boss Hard Alloy 48DP - 24T |
| U8025 | Pinion - Long Boss Hard Alloy 48DP - 25T |
| U8026 | Pinion - Long Boss Hard Alloy 48DP - 26T |
| U8027 | Pinion - Long Boss Hard Alloy 48DP - 27T |
| U8028 | Pinion - Long Boss Hard Alloy 48DP - 28T |
| U8029 | Pinion - Long Boss Hard Alloy 48DP - 29T |
| U8030 | Pinion - Long Boss Hard Alloy 48DP - 30T |
| U8031 | Pinion - Long Boss Hard Alloy 48DP - 31T |
| U8917 | Pinion - Long Boss Hard Alloy 48DP - 32T |
| U8918 | Pinion - Long Boss Hard Alloy 48DP - 33T |
| U8919 | Pinion - Long Boss Hard Alloy 48DP - 34T |
| U8920 | Pinion - Long Boss Hard Alloy 48DP - 35T |
| U8921 | Pinion - Long Boss Hard Alloy 48DP - 36T |
| U8922 | Pinion - Long Boss Hard Alloy 48DP - 37T |
| U8923 | Pinion - Long Boss Hard Alloy 48DP - 38T |
| U8924 | Pinion - Long Boss Hard Alloy 48DP - 39T |
| U8925 | Pinion - Long Boss Hard Alloy 48DP - 40T |
| U8926 | Pinion - Long Boss Hard Alloy 48DP - 41T |
| U8927 | Pinion - Long Boss Hard Alloy 48DP - 42T |

Bearings & Balls

| | |
|-------|---|
| U2148 | Ball Bearing - 5x10x4 Shield - (pr) |
| U2189 | Wheel Bearings 5x10x4 Shield +Shim Set (8pcs) |
| U3016 | Ball Bearing - 10x15x4 - Shield (pr) |
| U3075 | Ball Bearing - 4x8x3mm Red Seal - (pr) |
| U7326 | Ball Bearing - 5x10x3 Shield - (pr) |
| U8320 | Ball Bearing 3/16"x5/16" Yellow (pr) |

Shock Absorbers

| | |
|-------|--|
| U4557 | Shock Seal Cap 1pr - Mi5evo,Mi7,FT8,Mi9,Neon |
| U7463 | Ultra Short Shock Seal O Ring pk4 - Mi6-9,FT8,Neon |
| U7530 | Ultra Short Shock Diaphragm pk4 - Mi6-8,FT8,Neon |
| U7533 | Ultra Short Shock Collar O Rings pr-Mi6-8,FT8,Neon |
| U7537 | Ultra Short Shock Piston 4H pr - Mi6-9,FT8,Neon |
| U7545 | Ultra Short Shock Shims (3.3x6.7x0.05)-Mi6-9,FT8,N |
| U7561 | Ultra Short Shock Spring Seat (pr) |
| U7782 | Ultra Short Shock Rebuild Kit |
| U8379 | Shock Set - Mi8,FT8 (pk4) |
| U8831 | Shock Body (pr) - Neon |
| U8832 | Shock Top (pr) - Neon |
| U8838 | Shock Shaft (pr) - Neon |
| U9096 | Alloy Shock Collar (pr) - Vibe TC |

Springs

| | |
|-------|--|
| CR840 | CORE RC Hi Response TC Spring 1.9 - White |
| CR841 | CORE RC Hi Response TC Spring 2.1 - Red |
| CR842 | CORE RC Hi Response TC Spring 2.3 - Green |
| CR843 | CORE RC Hi Response TC Spring 2.5 - Blue |
| CR844 | CORE RC Hi Response TC Spring 2.6 - Black |
| CR845 | CORE RC Hi Response TC Spring 2.7 - Orange |
| CR846 | CORE RC Hi Response TC Spring 2.8 - Yellow |
| CR847 | CORE RC Hi Response TC Spring 2.9 - Purple |
| CR848 | CORE RC Hi Response TC Spring 2.2-2.9 Brown |
| CR849 | CORE RC Hi Response TC Spring 3.1 - Grey |
| CR850 | CORE RC Hi Response TC Spring 3.3 - Pink |
| CR851 | CORE RC Hi Response TC Spring 3.5 - Grn/Yellow |
| CR852 | CORE RC Hi Response TC Spring Set - Soft |
| CR853 | CORE RC Hi Response TC Spring Set - Med |
| CR854 | CORE RC Hi Response TC Spring Set - Hard |

Hardware

| | |
|-------|--|
| CR024 | CORE RC - Serrated M4 Steel Wheel Nut pk4 |
| U1547 | SPEED PACK - M3 Nuts |
| U1633 | SPEED PACK - Small Pins (pk) |
| U2947 | SPEED PACK - M2.5 Washers (pk8) |
| U3021 | SPEED PACK - M3x6 Csk Hd - (pk10) |
| U3022 | SPEED PACK - M3x8 Csk Hd - (pk10) |
| U3023 | SPEED PACK - M3x10 Csk Hd - (pk10) |
| U3753 | SPEED PACK - M2.5x6 Button Hd pk8 |
| U3754 | SPEED PACK - M2.5x10 Csk Hd pk8 |
| U4124 | SPEED PACK - Shims 5 x 7 x 0.4mm - pk6 |
| U4281 | Steering Post pk3 - Mi5/evo |
| U4652 | SPEED PACK M3x2.5 Grub Screws (10pcs) |
| U4707 | Short Ball Gripper - Grey (pk8) |
| U4835 | SPEED PACK - M3 Steel Nut Black (pk8) |
| U4836 | SPEED PACK Grub Screw M3x8mm Cup Point |
| U4837 | SPEED PACK M2.5x10 Cap Hd (pk8) |
| U7104 | SPEED PACK - M3x8 Button Hd (pk10) |
| U7105 | SPEED PACK - M3x10 Button Hd (pk10) |
| U7106 | SPEED PACK - M3x12 Button Hd (pk10) |
| U7107 | SPEED PACK - M3x16 Button Hd (pk10) |
| U7114 | SPEED PACK - M3x12 Cap Hd (pk10) |
| U7122 | SPEED PACK - M3x12 Csk Hd (pk10) |
| U7225 | SPEED PACK M2 Steel Washer (pk10) |
| U7538 | SPEED PACK M2x6 CSK pk 10 |
| U7611 | SPEED PACK - M3x14 Button Hd (pk10) |
| U7689 | M3 Brass Inserts - pk10 |
| U7707 | M3 Steel Washers (pk10) |
| U7743 | M2.5 X 8 Button Screws (pk10) |
| U7751 | M3x8 Grub Screw Dome End (pk4) |
| U7795 | M3x2 Grub Screw (pk10) |
| U8133 | 6 x 1 'O'ring pk10 - Mi7-8,Iron/2,E4-5,A3,FT8,Neon |
| U8168 | 5 x 1 'O'ring (pk10) |
| U8275 | Plastic Washer Set 1,1.5,2,3,4mm (20 pcs) |
| U8309 | M3x6 Stainless Steel Cap Head (pk10) |
| U8345 | O'Ring 5x1.5 Red (pk 10) |
| U8352 | M3x14 Csk Hd (pk10) |
| U8536 | M3x4 Grub Screw Cup Point - (pk10) |
| U8898 | M2.5 Thread Inserts (pk10) |

PARTS LIST

Option Parts

| | | | |
|----------|--|-------|--|
| AM348078 | Spur Gear 48P - 78T | U7855 | Titanium Rear Axle - Mi,Neon (pr) |
| AM348081 | Spur Gear 48P - 81T | U8065 | M3 Alloy Thread Insert pk8 |
| AM348082 | Spur Gear 48P - 82T | U8256 | Alloy T Brace - Mi8,FT8,Mi9,Neon |
| AM348083 | Spur Gear 48P - 83T | U8258 | Castor Gauge - Mi8,FT8,Neon (pr) |
| AM348084 | Spur Gear 48P - 84T | U8263 | Alloy M3 Turnbuckle - 25mm - Black (pr) |
| AM348085 | Spur Gear 48P - 85T | U8264 | Alloy M3 Turnbuckle - 35mm - Black (pr) |
| AM348086 | Spur Gear 48P - 86T | U8265 | Alloy M3 Turnbuckle - 45mm - Black (pr) |
| AM640002 | 64 Ti Screw Allen Csk M3 x 6 (5) | U8323 | C/F Lipo Hook - Mi8,FT8,Mi9,Neon (pr) |
| AM640003 | 64 Ti Screw Allen Csk M3 x 8 (5) | U8333 | Wheel Hex Spacers 0.25, 0.5, 0.75mm - (pk12) |
| AM640004 | 64 Ti Screw Allen Csk M3 x 10 (5) | U8497 | Anti Roll Bar Set - Vibe TC |
| AM640005 | 64 Ti Screw Allen Csk M3 x 12 (5) | U8709 | Pro TC Alloy Impact Servo Saver |
| AM640006 | 64 Ti Screw Allen Csk M3 x 14 (5) | U8773 | Brass Circular Weight 5g (pk4) |
| AM640030 | 64 Ti Screw Allen Round Head M3 x 4 - (5) | U8794 | M3 Brass Black Thread Inserts - pk10 |
| AM640033 | 64 Ti Screw Allen Round Head M3 x 8 (5) | U8882 | Alloy Transmission Housings (pr) - Neon |
| AM640034 | 64 Ti Screw Allen Round Head M3 x 10 (5) | U8902 | Rear Bodyshell Supports (pr) - Mi8,Mi9 |
| AM640035 | 64 Ti Screw Allen Round Head M3 x 12 (5) | U8903 | Pro Ball Bearing 3/16 x 5/16 x 1/8 (pr) |
| AM640036 | 64 Ti Screw Allen Round Head M3 x 14 (5) | U9008 | Brass LiPo Hook (pr) - Mi8,Mi9 |
| AM640037 | 64 Ti Screw Allen Round Head M3 x 16 (5) | U9114 | C/F Centre Track Rod - Vibe TC |
| AX011 | Aerox Alloy Servo Arm - Offset 25T Futaba | U9115 | C/F FL Wishbone - Vibe TC |
| AX012 | Aerox Alloy Servo Arm - Offset 23T KO/Sanwa | U9116 | C/F FR Wishbone - Vibe TC |
| AX030 | Aerox On-Road Alloy Servo Arm - Offset 23T Sanwa | U9117 | C/F RL Wishbone - Vibe TC |
| AX031 | Aerox On-Road Alloy Servo Arm - Offset 25T Futaba | U9118 | C/F RR Wishbone - Vibe TC |
| CR280 | Ti Pro Ball Studs - Short - (pr) | U9119 | C/F Chassis - Vibe TC |
| CR282 | Ti Pro Ball Studs - Long - (pr) | U9120 | C/F Top Deck - Vibe TC |
| CR304 | Titanium Wheel Nuts M4 - pk4 | U9121 | C/F Upper Link Mount Front (pr) - Vibe TC |
| CR310 | Alloy Csk Hex Screws M3 x 6 pk10 | U9122 | C/F Upper Link Mount Rear (pr) - Vibe TC |
| CR311 | Alloy Csk Hex Screws M3 x 8 pk10 | U9123 | C/F Steering arm (pr) - Vibe TC |
| CR312 | Alloy Csk Hex Screws M3 x 10 pk10 | U9124 | C/F Rear Toe Arm (pr) - Vibe TC |
| CR313 | Alloy Csk Hex Screws M3 x 12 pk10 | U9125 | C/F Servo Mount - Vibe TCv |
| CR315 | Alloy Button Head Hex Screws M3 x 8 pk10 | U9198 | C/F Front Shock Tower - Vibe TC |
| CR316 | Alloy Button Head Hex Screws M3 x 10 pk10 | U9199 | C/F Rear Shock Tower - Vibe TC |
| CR320 | Titanium Csk Hex Screws M3 x 6 pk10 | U9200 | C/F Set - Vibe TC |
| 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 | | |
| CR328 | Titanium Button Head Hex Screws M3 x 8 pk10 | | |
| CR329 | Titanium Button Head Hex Screws M3 x 10 pk10 | | |
| CR330 | Titanium Button Head Hex Screws M3 x 12 pk10 | | |
| CR465 | Alloy Offset Servo Arm 23T - Sanwa/KO | | |
| CR466 | Alloy Offset Servo Arm 25T - Futaba | | |
| CR697 | Alloy Servo Arm Offset Short - 25T Futaba | | |
| CR698 | Alloy Servo Arm Offset Short - 23T SANWA | | |
| U2862 | Ceramic Bearing - 5x10x4 Shield - (pr) | | |
| U3017 | Ceramic Bearing - 10x15x4 - Shield - (pr) | | |
| U3386 | Ceramic Bearing - 4x8x3 Shield - (pr) | | |
| U3525 | Alloy Wheel Hex - Medium pr - Mi4-Mi8,FT,FT8,Neon | | |
| U3582 | Precision Balance Pivot Set | | |
| U4235 | M3 x 8mm Alloy Csk Screws pk10 | | |
| U4328 | Impact Servo Saver 23T/25T | | |
| U4329 | Impact Servo Saver Mouldings | | |
| U4330 | Impact Servo Saver Springs | | |
| U4725 | Pro Ball Bearing - 5x10x4 Shield - (pr) | | |
| U4726 | Pro Ball Bearing - 5x10x3 Shield - (pr) | | |
| U7313 | Titanium Turnbuckle - 24mm - Silver - pr | | |
| U7315 | Titanium Turnbuckle - 35mm - Silver - pr | | |
| U7317 | Titanium Turnbuckle - 45mm - Silver - pr | | |
| U7400 | Titanium Low Profile M4 Serrated Nut (pk4) | | |
| U7542 | Ultra Short Alloy Spring Seat pr-Mi6-8,FT8,Neon | | |
| U7725 | Pro-Ball Bearing 10x15x4 Sealed - (pr) | | |
| U7730 | Pro-Ball Bearing 4x8x3 Sealed - (pr) | | |
| U7812 | Alloy Hub Carrier (Black) - Mi7,Mi8,FT8 (pr) | | |
| U7827 | Alloy LiPo Mount pr - Mi7,FT,Mi8,FT8,FT9,Mi9,Neon | | |
| U7829 | Titanium Ball Stud Low (Short) (pk4) | | |
| U7837 | C/F Upper Bumper - Mi7,FT,Mi8,FT8,FT9,Mi9,Neon | | |
| U7839 | C/F LiPo Swivel pr- Mi7-Mi9,FT,FT8/9,LD3,ST2,Neon | | |
| U7849 | Alloy Servo Post - Mi7,L1 EVO/R,Neon | | |
| U7854 | Alloy D/Joint Driveshaft Tube pr V2 -Mi7,8,FT-8,Ne | | |

NOTES

Driver: Kit Build Track: N/A Event: N/A
Date: N/A Qualifying: N/A Final: N/A Best Lap: N/A

TRACK TYPE

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

TYRES

Side Wall Glue Height Ø N/A mm
Tyres N/A
Cleaner N/A
Additive N/A
Additive Time Front: N/A mins Rear: N/A mins
Heating Time Front: N/A mins Rear: N/A mins
Heating Temp Front: °C Rear: °C

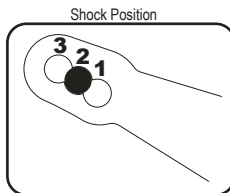
Notes:

FRONT

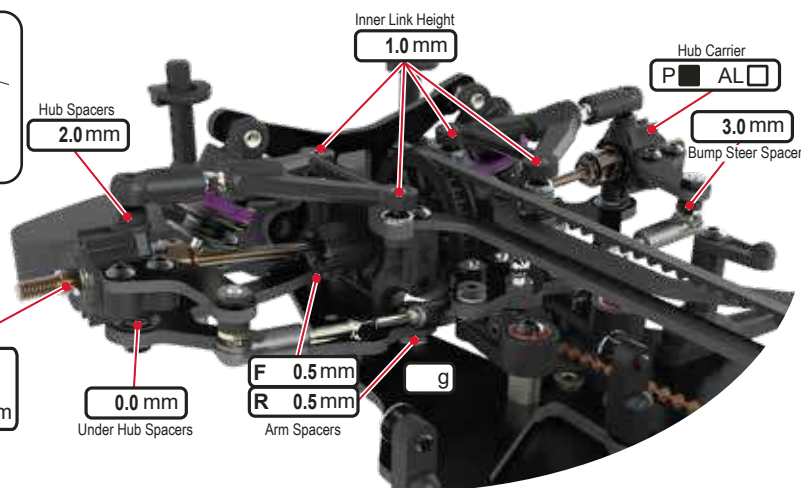
KEY: CF = Carbon Fibre, AL = Aluminium, P = Plastic, F = Front, R = Rear
H = High, L = Low, Y = Yes, N = No, V = Vertical, H = Horizontal

Ride Height 5.1 mm
Droop 23.0 mm
Camber deg
Toe -1/Side deg
Anti Roll Bar 1.1 ☐ 1.2 ☐ 1.3 ☐ 1.4 ☐
Spool Height ↑ ☐ ↓ ☐
Servo Horn Height 22 mm Saver ☐
Steering Travel in out

Notes:



Hex Choice
Kit ☒ AL ☐
Wide ☐
Spacers mm

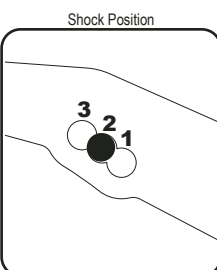


REAR

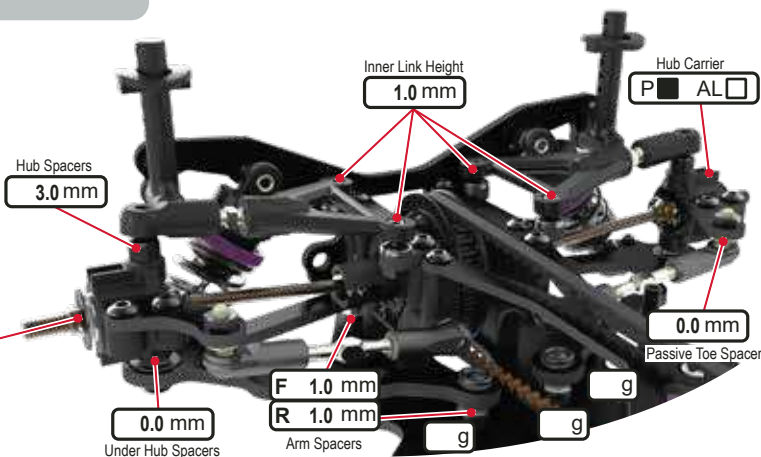
KEY: CF = Carbon Fibre, AL = Aluminium, P = Plastic, Ti = Titanium, F = Front, R = Rear
H = High, L = Low, Y = Yes, N = No, V = Vertical, H = Horizontal

Ride Height 5.3 mm
Droop 22.4 mm
Camber deg
Toe 3/Side deg
Anti Roll Bar 1.1 ☐ 1.2 ☐ 1.3 ☐ 1.4 ☐
Diff Height ↑ ☐ ↓ ☐
Diff Oil 1000 cSt

Notes:



Hex Choice
Kit ☒ AL ☐
Wide ☐
Spacers mm



BODYSHELL

Body N/A
Wing N/A
Wing Height N/A mm
Splitter Height N/A mm
Body Weight N/A g
Body Offset Fwd N/A mm
Wing Offset Rwd N/A mm
Wing End Plates ☐
Front Post 1dot ☐ 2dot ☐ 3dot ☐ Pin Hole ☐ 5
Rear Post 1dot ☐ 2dot ☐ 3dot ☐ Pin Hole ☐ 6

Notes:

CHASSIS

PTFE Tape ☐
Total Weight g
Weight Distribution
Forwards %
Chassis Material
S2 ☐ C/F ☐
TopDeck Material
S2 ☐ C/F ☐

Notes:

ELECTRONICS

E.S.C. N/A + g
Servo N/A
RX N/A + g
LiPo N/A + g
Motor N/A Spacers mm
Rotor Dia. N/A mm
Timing N/A deg
Pinion N/A t
Spur 81 t
Ratio

SHOCKS

KEY: x = Stroke, e = external
V = Vented (Drilled), S = Sealed

| | FRONT | REAR |
|--------------|--|--|
| Cap Type | V <input checked="" type="checkbox"/> S <input type="checkbox"/> | V <input checked="" type="checkbox"/> S <input type="checkbox"/> |
| Oil | 400 cSt | 400 cSt |
| Piston | Kit <input checked="" type="checkbox"/> | Kit <input checked="" type="checkbox"/> |
| Spring | Core-RC Blue | Core-RC Orange |
| Length (x) | <input type="text"/> mm | <input type="text"/> mm |
| Rebound | <input type="text"/> mm | <input type="text"/> mm |
| Limiters (e) | <input type="text"/> mm | <input type="text"/> mm |

Notes:

Driver: Test Driver Track: N/A Event: Baseline Tarmac/Asphalt Setup
Date: N/A Qualifying: N/A Final: N/A Best Lap: N/A

TRACK TYPE

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

TYRES

Side Wall Glue Height Ø N/A mm
Tyres RU0569
Cleaner Triple 9
Additive MR33V3
Additive Time Front: 20 mins Rear: 20 mins
Heating Time Front: 18 mins Rear: 18 mins
Heating Temp Front: °C Rear: °C

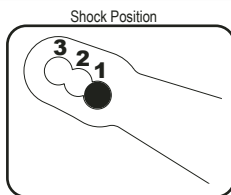
Notes:

FRONT

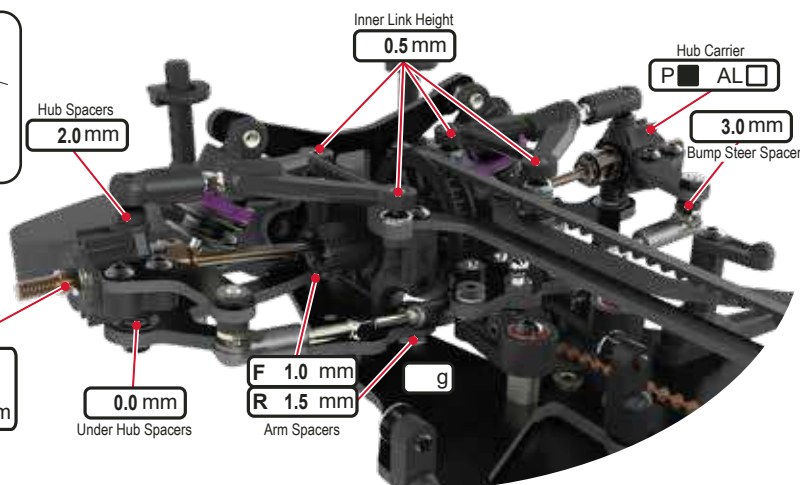
KEY: CF = Carbon Fibre, AL = Aluminium, P = Plastic, F = Front, R = Rear
H = High, L = Low, Y = Yes, N = No, V = Vertical, H = Horizontal

Ride Height 5.3 mm
Droop 22.6 mm
Camber 1.5 deg
Toe 1/Side deg
Anti Roll Bar 1.1 ☐ 1.2 ☒ 1.3 ☐ 1.4 ☐
Spool Height ↑ ☐ ↓ ☐
Servo Horn Height mm Saver ☐
Steering Travel 22 in out

Notes:



Hex Choice
Kit ☒ AL ☐
Wide ☐
Spacers mm

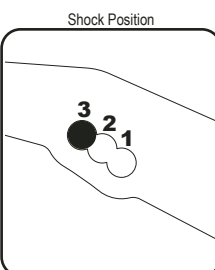


REAR

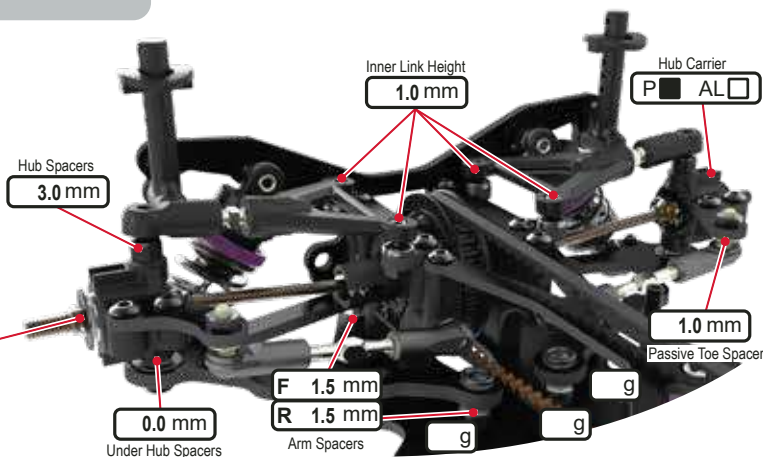
KEY: CF = Carbon Fibre, AL = Aluminium, P = Plastic, Ti = Titanium, F = Front, R = Rear
H = High, L = Low, Y = Yes, N = No, V = Vertical, H = Horizontal

Ride Height 5.5 mm
Droop 22.4 mm
Camber 2 deg
Toe 3/Side deg
Anti Roll Bar 1.1 ☐ 1.2 ☒ 1.3 ☐ 1.4 ☐
Diff Height ↑ ☐ ↓ ☐
Diff Oil 2000 cSt

Notes:



Hex Choice
Kit ☒ AL ☐
Wide ☐
Spacers mm



BODYSHELL

Body XTMTB0415-L
Wing Standard
Wing Height 114.5 mm
Splitter Height 8 mm
Body Weight N/A g
Body Offset Fwrd 1.5 mm
Wing Offset Rwrdr N/A mm
Wing End Plates ☐
Front Post 1dot ☐ 2dot ☐ 3dot ☐ Pin Hole ☐ 5
Rear Post 1dot ☐ 2dot ☐ 3dot ☐ Pin Hole ☐ 6

Notes:

CHASSIS

PTFE Tape ☐
Total Weight g
Weight Distribution
Forwards %
Chassis Material
S2 ☒ C/F ☐
TopDeck Material
S2 ☒ C/F ☐
Notes:

ELECTRONICS

E.S.C. LRP Flow X + g
Servo Highest BLP650
RX Sanwa RX482 + g
LiPo Aerox 6500 + g
Motor Hobbywing 17.5T Spacers mm
Rotor Dia. N/A mm
Timing N/A deg
Pinion N/A t
Spur 81 t
Ratio

SHOCKS

KEY: x = Stroke, e = external
V = Vented (Drilled), S = Sealed

| FRONT | | REAR | |
|--------------|--|--|--|
| Cap Type | V <input checked="" type="checkbox"/> S <input type="checkbox"/> | V <input checked="" type="checkbox"/> S <input type="checkbox"/> | |
| Oil | 400 cSt | 350 cSt | |
| Piston | Kit <input checked="" type="checkbox"/> | Kit <input checked="" type="checkbox"/> | |
| Spring | Core-RC Blue | Core-RC Yellow | |
| Length (x) | <input type="text"/> mm | <input type="text"/> mm | |
| Rebound | <input type="text"/> mm | <input type="text"/> mm | |
| Limiters (e) | <input type="text"/> mm | <input type="text"/> mm | |

Notes:

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 _____

TYRES

Side Wall Glue Height Ø _____ mm
Tyres _____
Cleaner _____
Additive _____
Additive Time Front: _____ mins Rear: _____ mins
Heating Time Front: _____ mins Rear: _____ mins
Heating Temp Front: _____ °C Rear: _____ °C

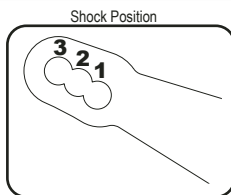
Notes:

FRONT

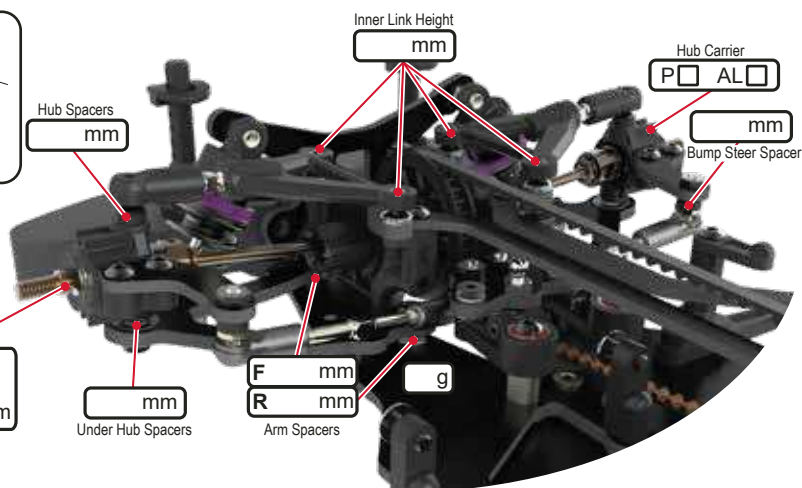
KEY: CF = Carbon Fibre, AL = Aluminium, P = Plastic, F = Front, R = Rear
H = High, L = Low, Y = Yes, N = No, V = Vertical, H = Horizontal

Ride Height _____ mm
Droop _____ mm
Camber _____ deg
Toe _____ deg
Anti Roll Bar ☐ 1.1 ☐ 1.2 ☐ 1.3 ☐ 1.4 ☐
Spool Height ☐ ↑ ☐ ↓
Servo Horn Height _____ mm Saver ☐
Steering Travel _____ in _____ out

Notes:



Hex Choice
Kit ☐ AL ☐
Wide ☐
Spacers _____ mm

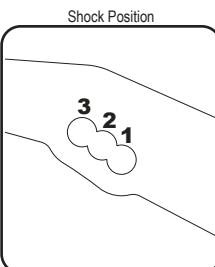


REAR

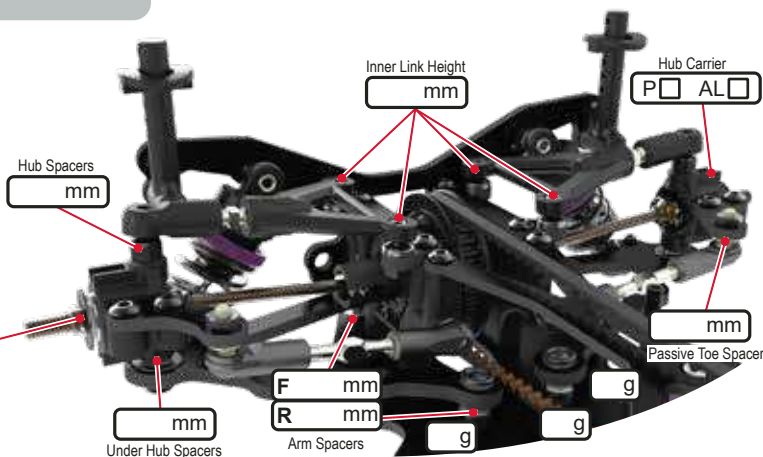
KEY: CF = Carbon Fibre, AL = Aluminium, P = Plastic, Ti = Titanium, F = Front, R = Rear
H = High, L = Low, Y = Yes, N = No, V = Vertical, H = Horizontal

Ride Height _____ mm
Droop _____ mm
Camber _____ deg
Toe _____ deg
Anti Roll Bar ☐ 1.1 ☐ 1.2 ☐ 1.3 ☐ 1.4 ☐
Diff Height ☐ ↑ ☐ ↓
Diff Oil _____ cSt

Notes:



Hex Choice
Kit ☐ AL ☐
Wide ☐
Spacers _____ mm



BODYSHELL

Body _____
Wing _____
Wing Height _____ mm
Splitter Height _____ mm
Body Weight _____ g
Body Offset Fwrd _____ mm
Wing Offset Rwrd _____ mm
Wing End Plates ☐
Front Post ☐ 1dot ☐ 2dot ☐ 3dot ☐ Pin Hole ☐
Rear Post ☐ 1dot ☐ 2dot ☐ 3dot ☐ Pin Hole ☐
Notes:

CHASSIS

PTFE Tape ☐
Total Weight _____ g
Weight Distribution
Forwards _____ %
Chassis Material
S2 ☐ C/F ☐
TopDeck Material
S2 ☐ C/F ☐
Notes:

ELECTRONICS

E.S.C. _____ + g
Servo _____
RX _____ + g
LiPo _____ + g
Motor _____ Spacers _____ mm
Rotor Dia. _____ mm
Timing _____ deg
Pinion _____ t
Spur _____ t
Ratio _____

SHOCKS

KEY: x = Stroke, e = external
V = Vented (Drilled), S = Sealed

| | FRONT | REAR |
|--------------|---|---|
| Cap Type | <input type="checkbox"/> V <input type="checkbox"/> S | <input type="checkbox"/> V <input type="checkbox"/> S |
| Oil | _____ cSt | _____ cSt |
| Piston | Kit <input type="checkbox"/> | Kit <input type="checkbox"/> |
| Spring | _____ | _____ |
| Length (x) | _____ mm | _____ mm |
| Rebound | _____ mm | _____ mm |
| Limiters (e) | _____ mm | _____ mm |

Notes: