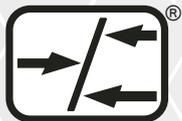


NEON

4WD MTC PRO CHASSIS



Instruction Manual ISS01



www.racing-cars.com

Schumacher

71-73 Tenter Road
Moulton Park
Northampton
NN3 6AX

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 High Performance Lithium Grease 10ml - CR752



CORE RC Medium Strength Thread Lock 3ml - CR520



CORE RC Molybdenum Thrust Race Grease - 10ml - Pot - CR755



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.

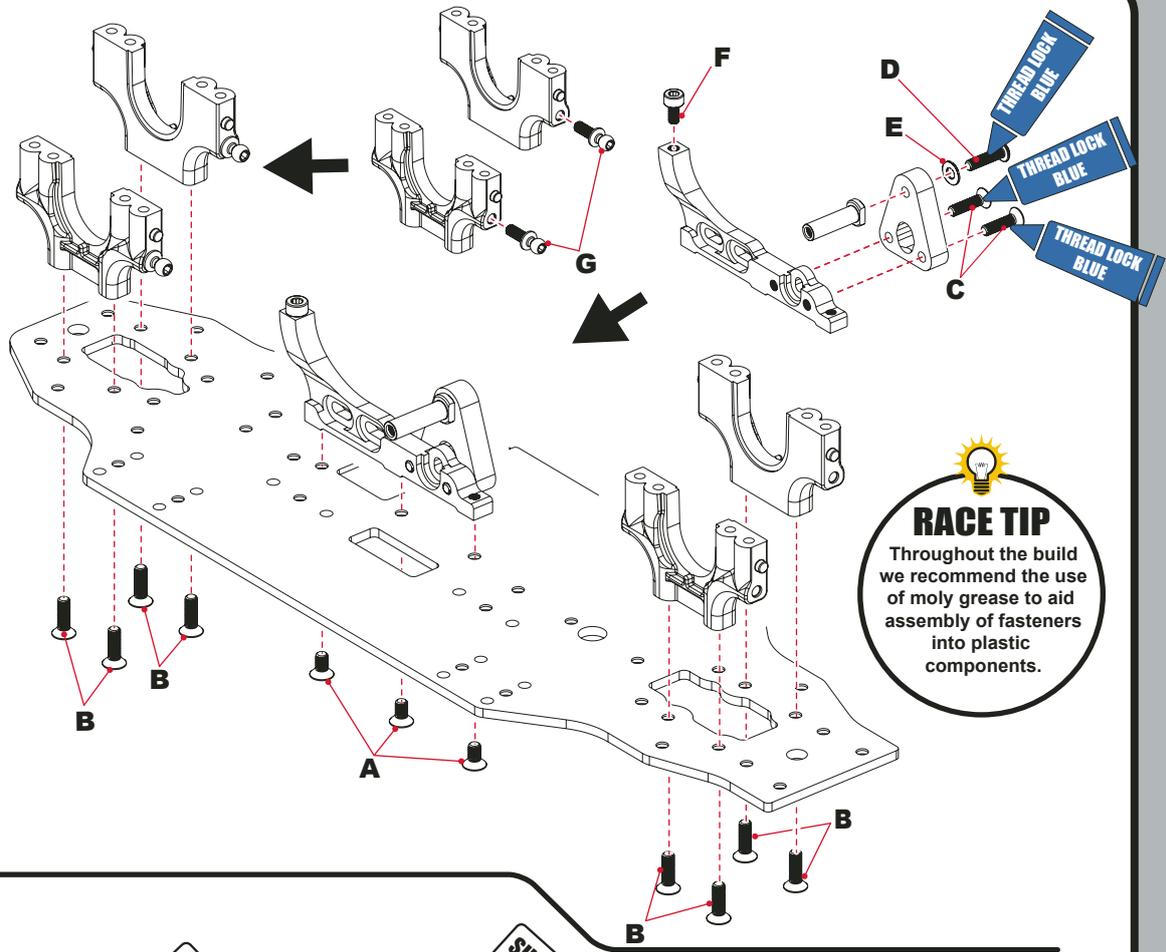


Advanced Set up Sheets - Page 37 - 40
The kit build will offer an easy and safe setup option for most track conditions.



BAG A - Step 01

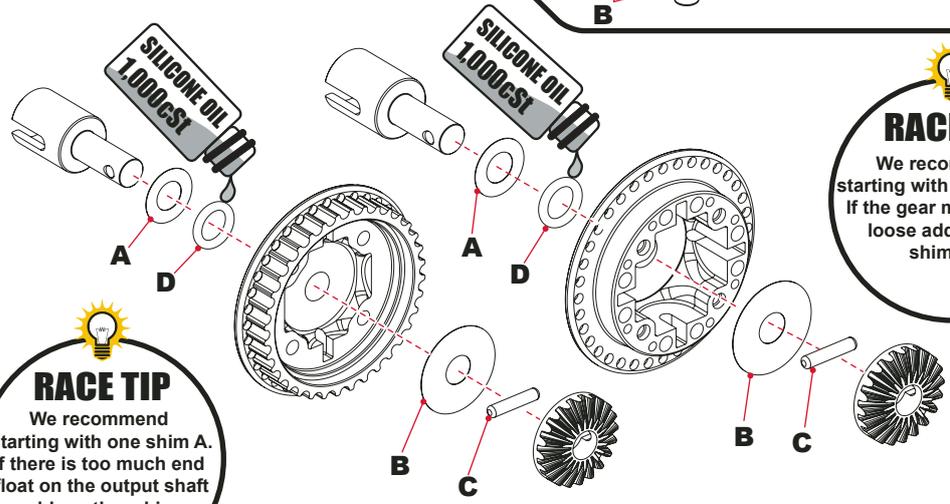
- A x3**  M3 x 6 Csk Hd Screw
- B x8**  M3 x 10 Csk Hd Screw
- C x2**  M3 x 12 Csk Hd Screw
- D x1**  M3 x 12 Button Hd Screw
- E x1**  M3 Washer
- F x1**  M3 x 6 Cap Hd Screw
- G x2**  Ball Stud Long



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

BAG A - Step 02

- A x4**  ø5 x ø9.5 x 0.1mm Shim
- B x4**  ø5 x ø15 x 0.1mm Shim
- C x2**  Ø2.0 x 9.8 Pin
- D x2**  'O' Ring Ø5 x 1.5



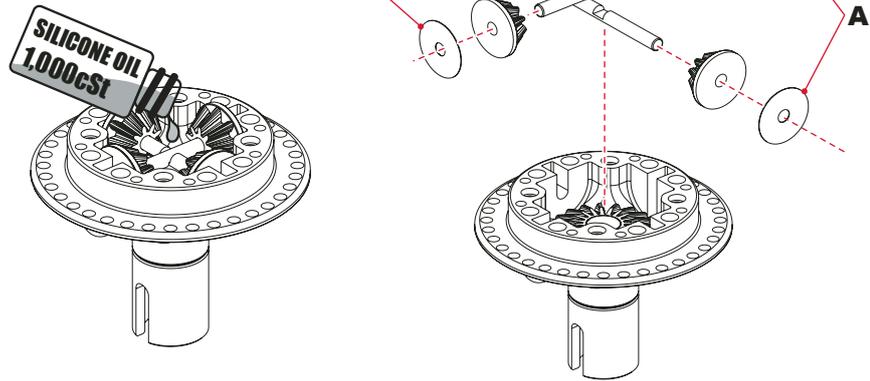
RACE TIP
We recommend starting with one shim A. If there is too much end float on the output shaft add another shim.

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

BAG A - Step 03a

- A x4**  Ø2 x Ø9 x 0.1mm Shim

!
Fill with Diff oil to just cover the pins.



BAG A - Step 03b

1 X Red
1 X Black

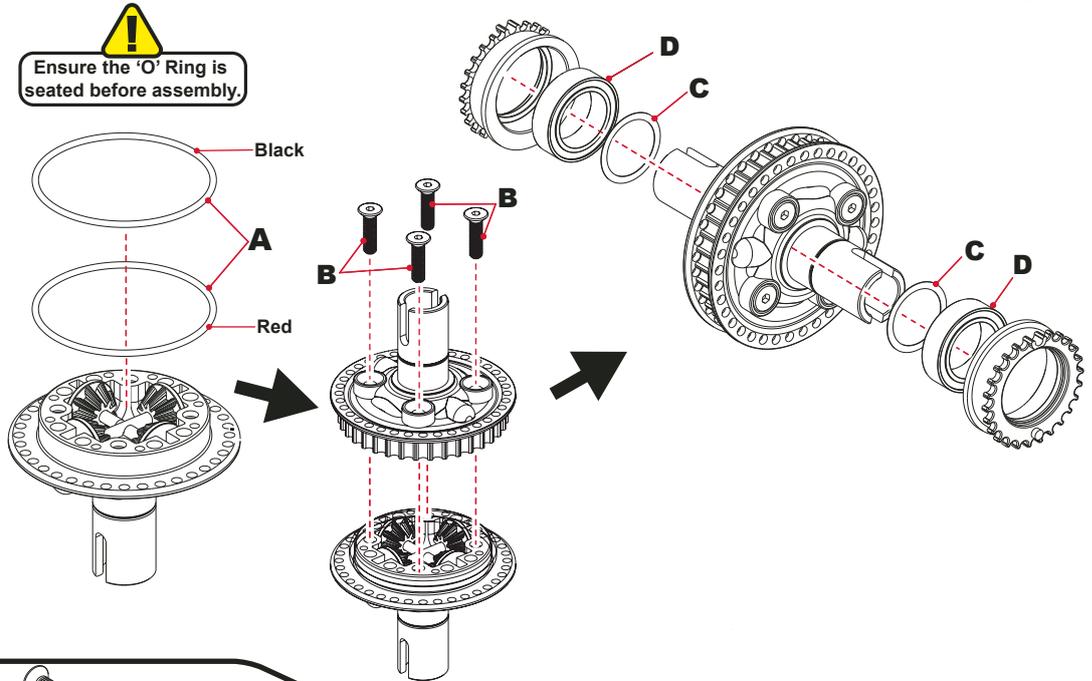
A x2
Ø26 x 1.0 'O' Ring

B x4
M2.5 x 10 Csk Hd Screw

C x2
Ø10 x Ø12.5 x 0.10 Shim

D x2
Ø10 x Ø15 x 4mm Bearing

Ensure the 'O' Ring is seated before assembly.

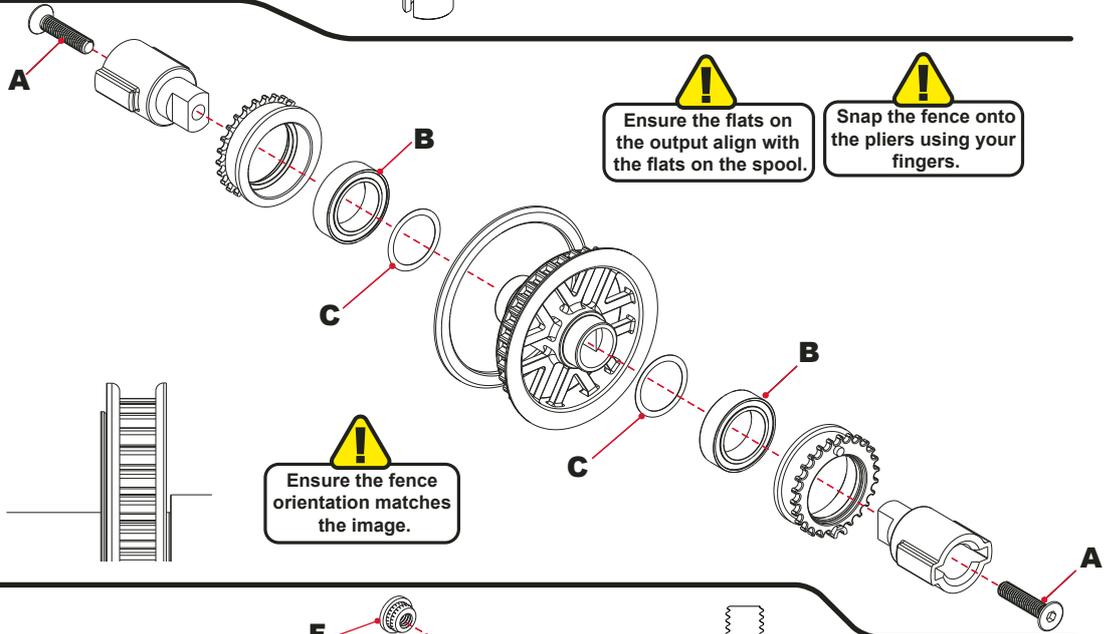


BAG A - Step 04

A x2
M3 x 14 Button Hd Screw

B x2
Ø10 x Ø15 x 4mm Bearing

C x2
Ø10 x Ø12.5 x 0.10 shim



BAG A - Step 05 Part one

A x3
M2.5 x 6 Button Hd Screw

B x6
M2.5 Washer

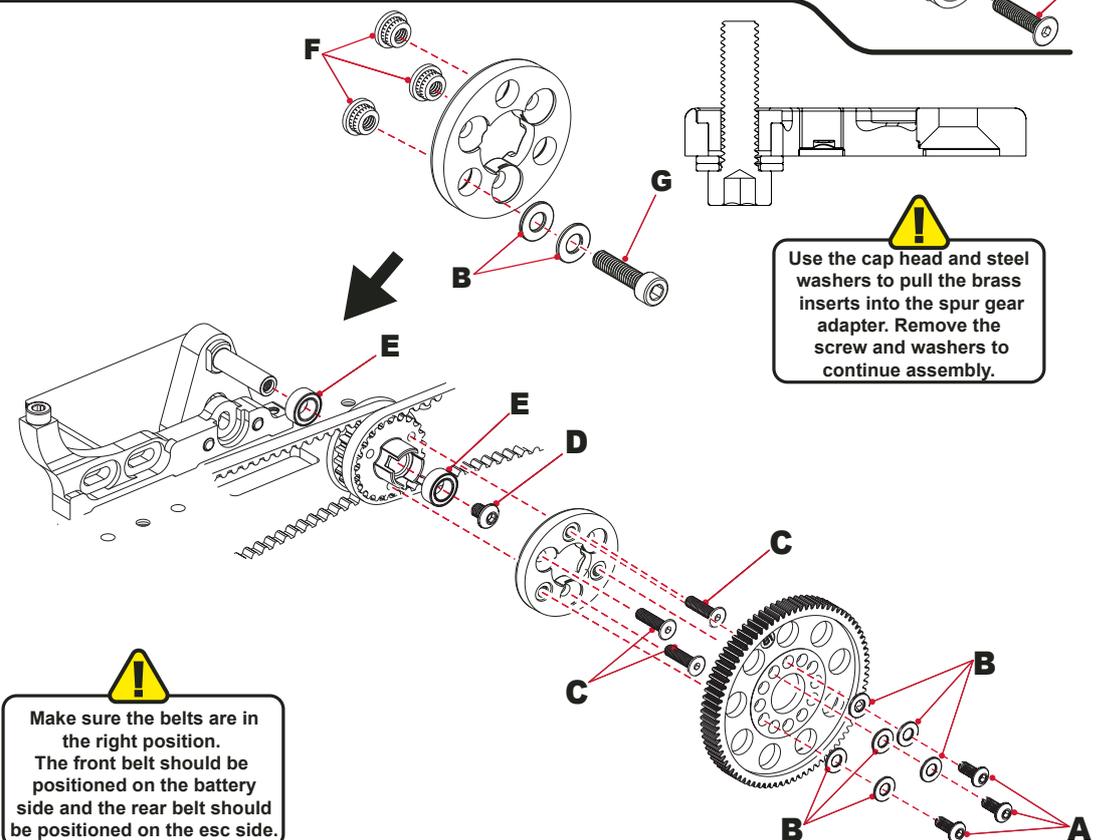
C x3
M2.5 x 10 Csk Hd Screw

D x1
M3 x 4 Button Hd Screw

E x2
Ø3/16 x Ø5/16 Bearing

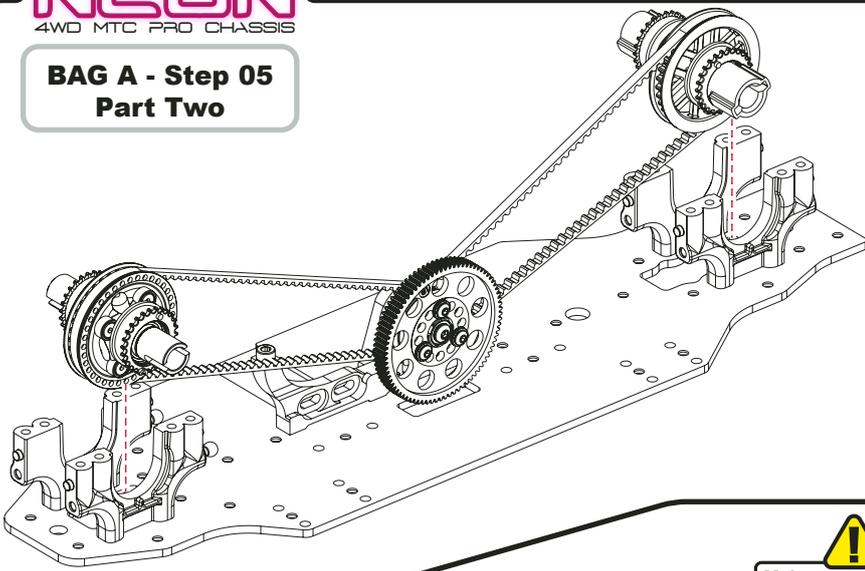
F x3
M2.5 Insert

G x1
M2.5 x 10 Cap Hd Screw

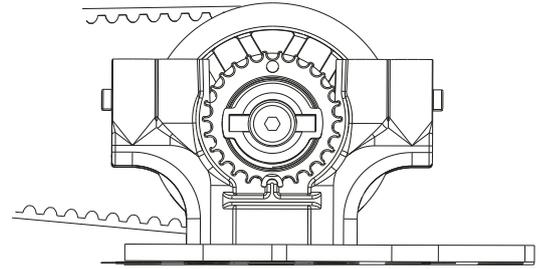


Make sure the belts are in the right position. The front belt should be positioned on the battery side and the rear belt should be positioned on the esc side.

**BAG A - Step 05
Part Two**



!
Ensure the circle on the eccentric is positioned at the top. This puts it in the low position

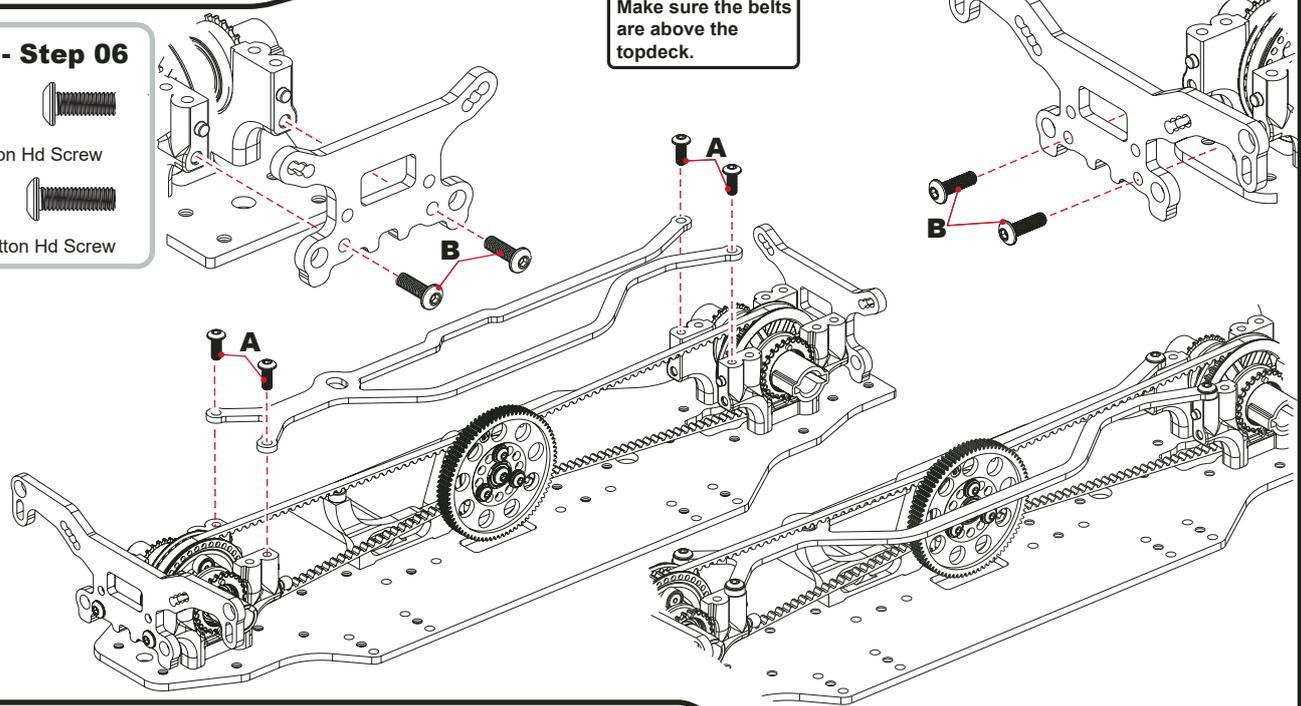


BAG A - Step 06

A x4
M3 x 8 Button Hd Screw

B x4
M3 x 10 Button Hd Screw

!
Make sure the belts are above the topdeck.



BAG A - Step 07

A x4
M2.5 x 8 Button Hd Screw

B x4
Pivot Ball

C x2
M3 x 8 Patched Grub Screw

D x2
M3 Thread Insert

E x4
O'ring $\varnothing 5 \times 1.0$

F x2
O'ring $\varnothing 6 \times 1.0$

G x1
M3 x 12 Cap Hd Screw

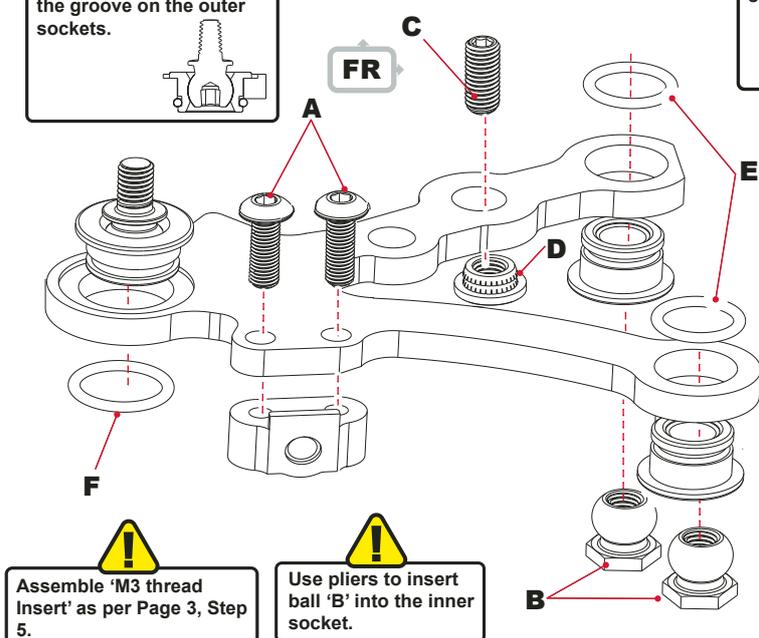
H x2
M3 Washer

Front Wishbone Assembly

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

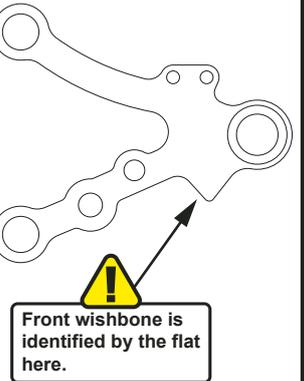
!
Build a pair of these. The other side is a mirror of this build.

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



!
Assemble 'M3 thread Insert' as per Page 3, Step 5.

!
Use pliers to insert ball 'B' into the inner socket.



!
Front wishbone is identified by the flat here.

Rear Wishbone Assembly

BAG A - Step 08

A x4
M2.5 x 8 Button Hd Screw

B x4
Pivot Ball

C x2
M3 x 8 Patched Grub Screw

D x2
M3 Thread Insert

E x4
O'ring ø5 x 1.0

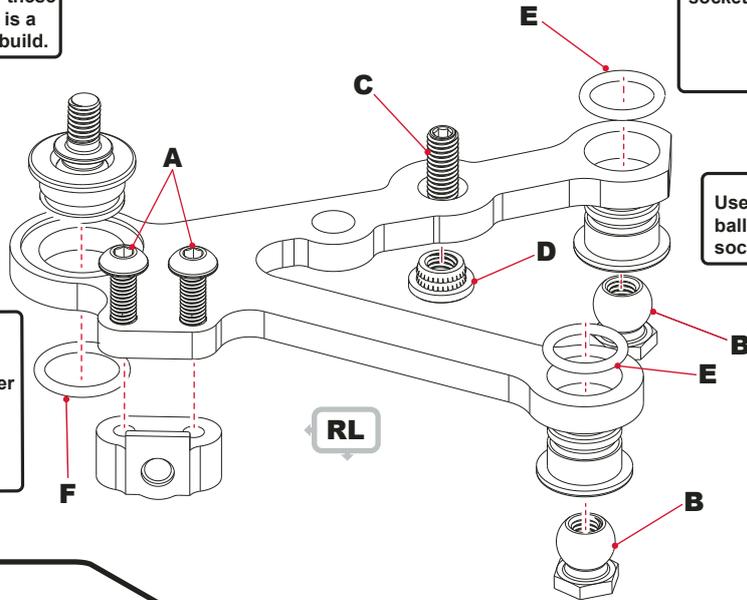
F x2
O'ring ø6 x 1.0

!
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 inner
sockets.

!
Use pliers to insert
ball 'B' into the inner
socket.

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



BAG B - Step 09

A x8
M3 x 8 Csk Hd Screw

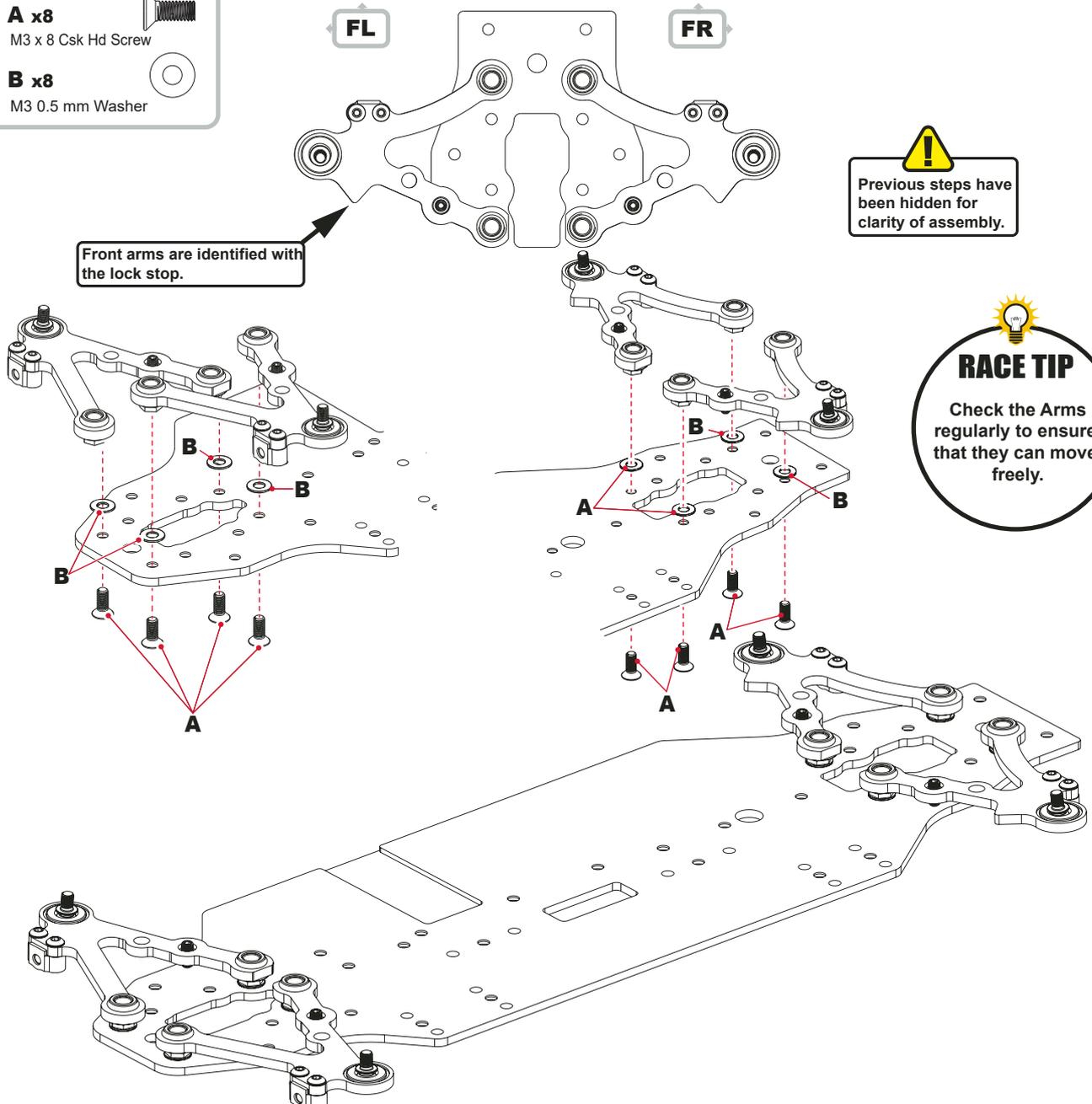
B x8
M3 0.5 mm Washer

FL **FR**

Front arms are identified with
the lock stop.

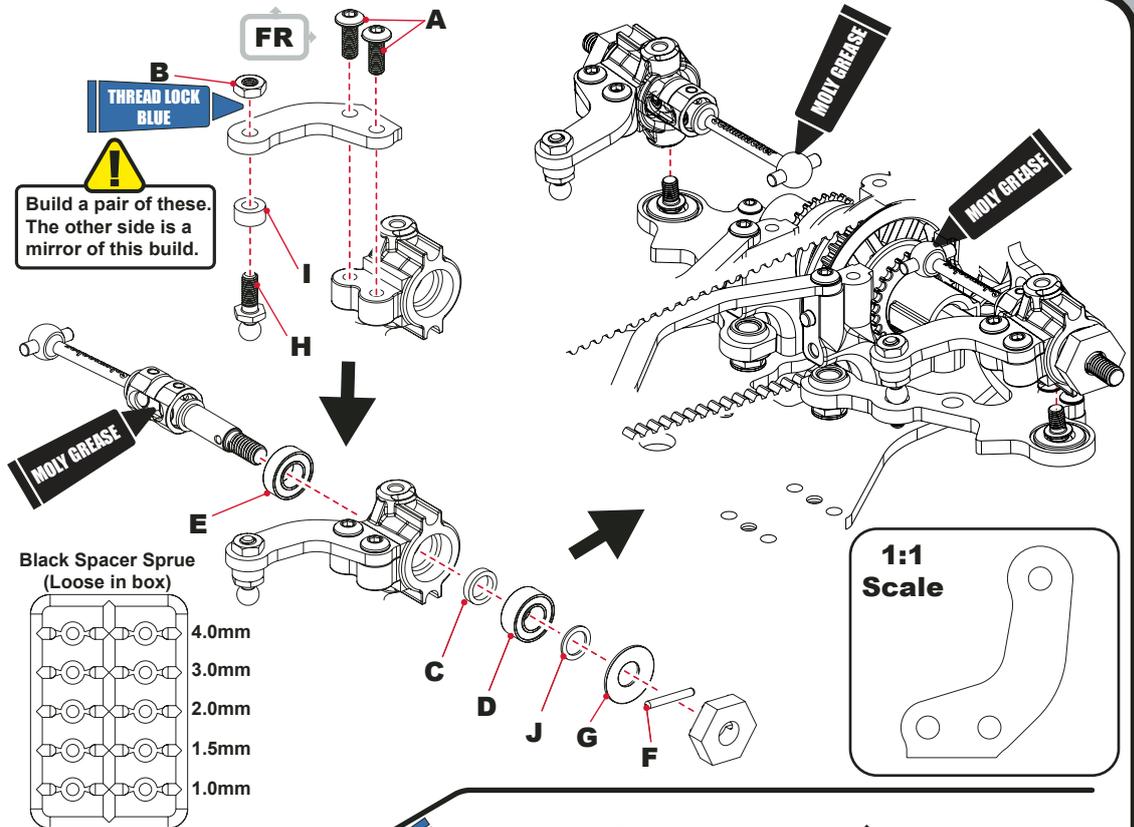
!
Previous steps have
been hidden for
clarity of assembly.

RACE TIP
Check the Arms
regularly to ensure
that they can move
freely.



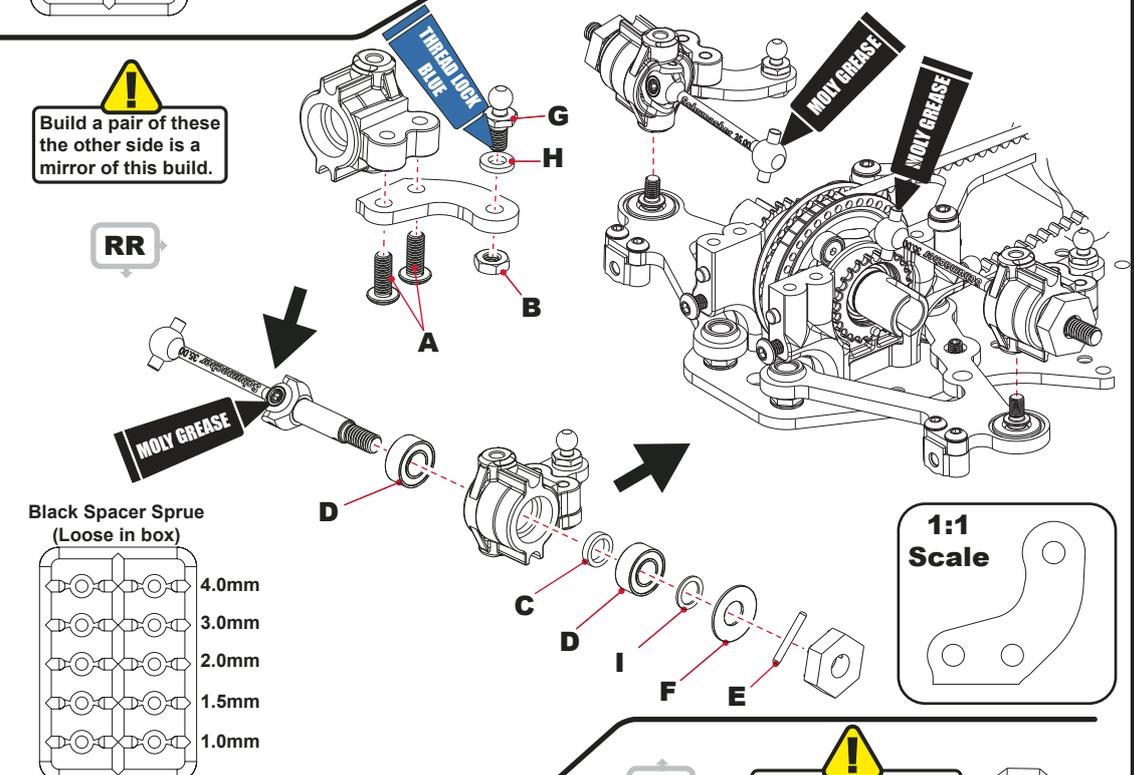
BAG B - Step 10

- A x4**
M3 x 8 Button Hd Screw
- B x2**
M3 Nut
- C x2**
Bearing Spacer
ø5 x ø7 x 1.5
- D x2**
Bearing
ø5 x ø10 x 4
- E x2**
Bearing
ø5 x ø10 x 3
- F x2**
Pin ø1.5 x 9.8
- G x2**
Disc spring washer
3.25 x 7.9 x 0.5
- H x2**
Ball Stud Long
- I x2**
3mm Black Spacer
- J x2**
Axle Spacer
1/4"x 0.5



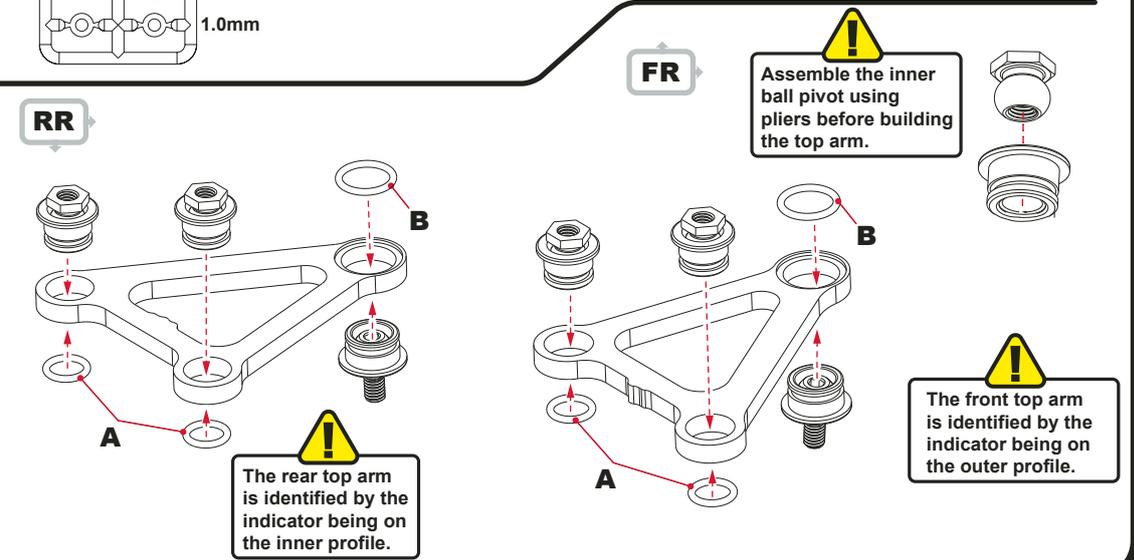
BAG B - Step 11

- A x4**
M3 x 8 Button Hd Screw
- B x2**
M3 Nut
- C x2**
Bearing Spacer
ø5 x ø7 x 1.5
- D x4**
Bearing
ø5 x ø10 x 4
- E x2**
Pin ø1.5 x 9.8
- F x2**
Disc spring washer
3.25 x 7.9 x 0.5
- G x2**
Ball Stud short
- H x2**
1mm Black Spacer
- I x2**
Axle Spacer
1/4"x 0.5



BAG B - Step 12

- A x8**
'O'ring ø5 x 1.0
- B x4**
'O'ring ø6 x 1.0

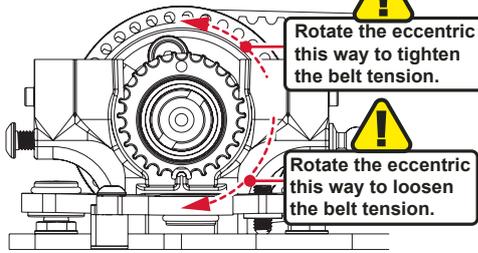


BAG B - Step 13

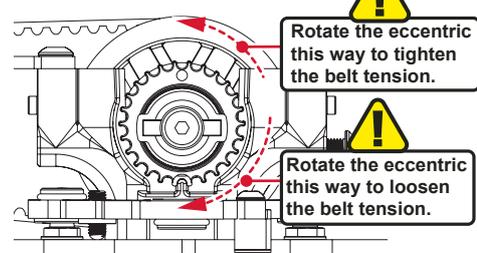
A x8
M3 x 8 Button Hd Screw

B x8
M3 x 20 CSK Screw

Rear



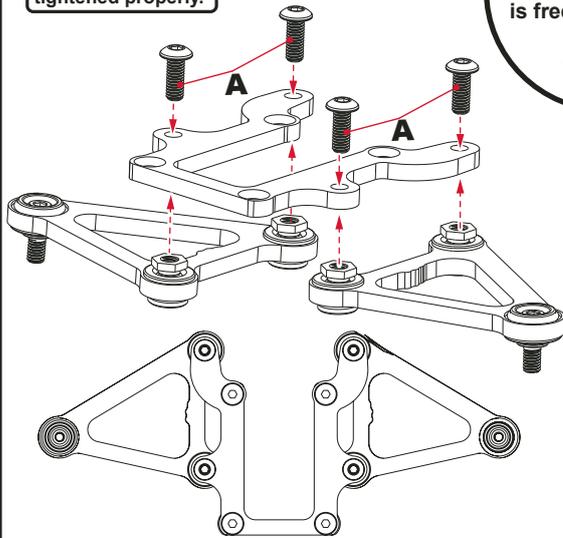
Front



Parts have been hidden for clarity.

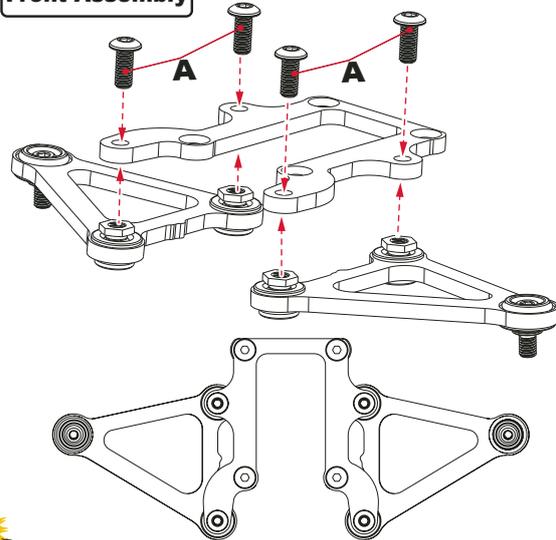
Use the supplied spanner to ensure the top mount is tightened properly.

Rear Assembly

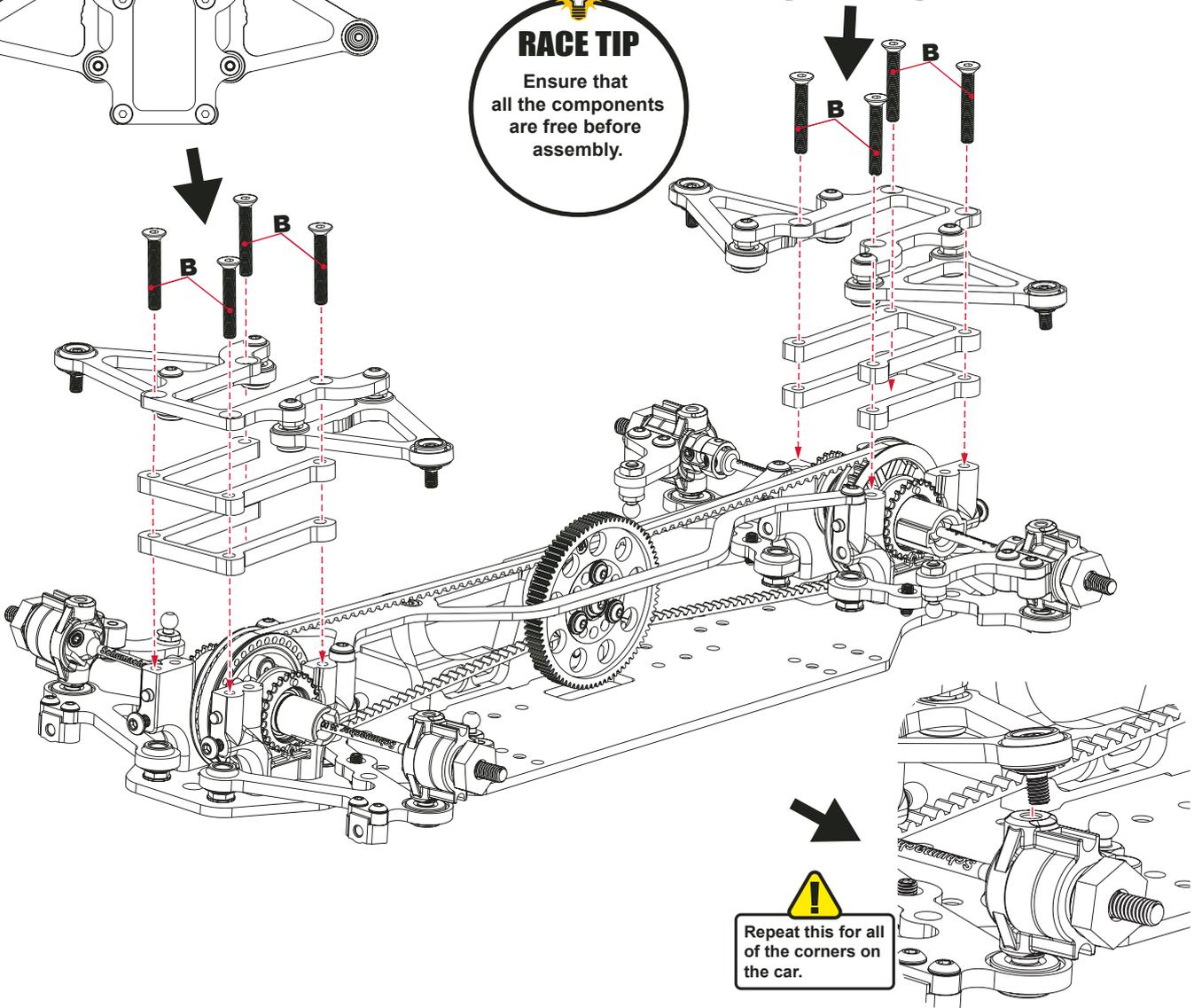


RACE TIP
Belt tension should be set so the drivetrain is free and without the belt slipping.

Front Assembly



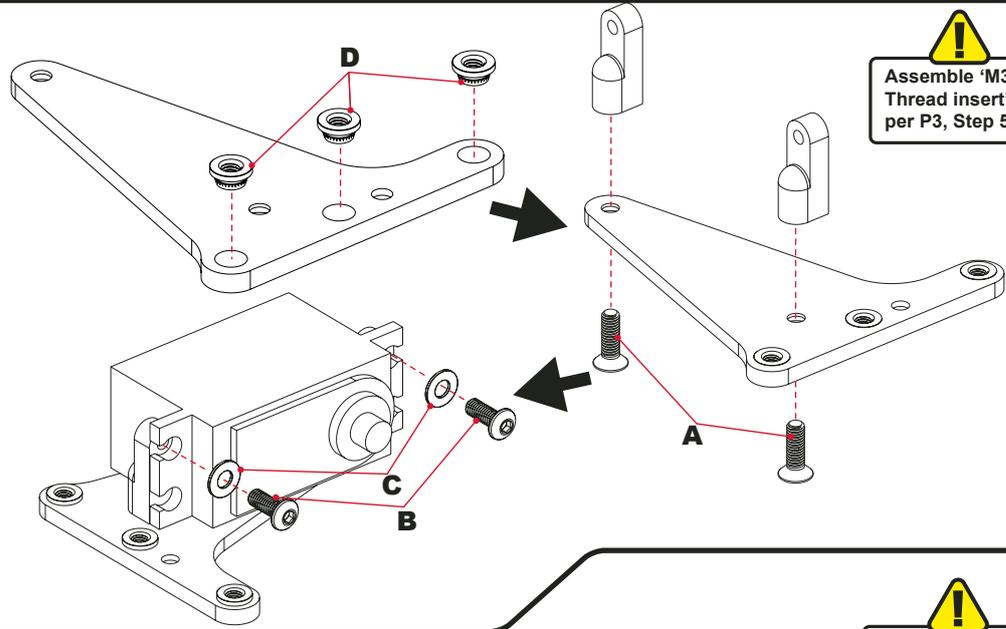
RACE TIP
Ensure that all the components are free before assembly.



Repeat this for all of the corners on the car.

BAG B - Step 14

- A x2**  M3 x 10 Csk Hd Screw
- B x2**  M3 x 8 Button Hd Screw
- C x2**  M3 Washer
- D x3**  M3 Thread Insert

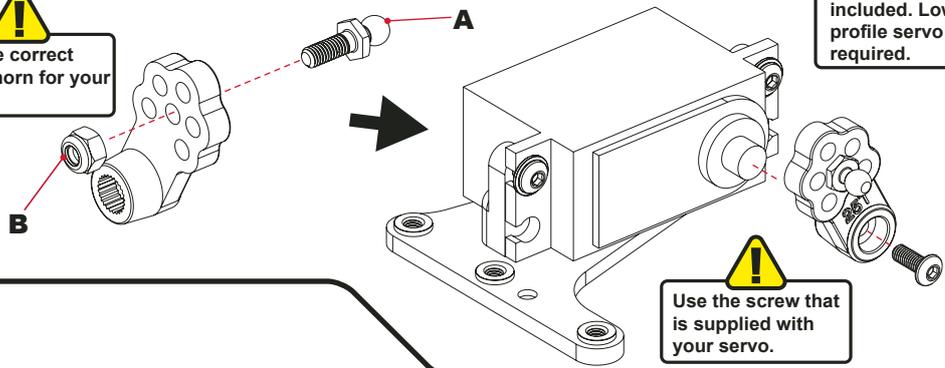


!
Assemble 'M3 Thread insert' as per P3, Step 5.

BAG B - Step 14b

- A x1**  Ball Stud Long
- B x1**  M3 Nyloc

!
Use the correct servo horn for your servo.

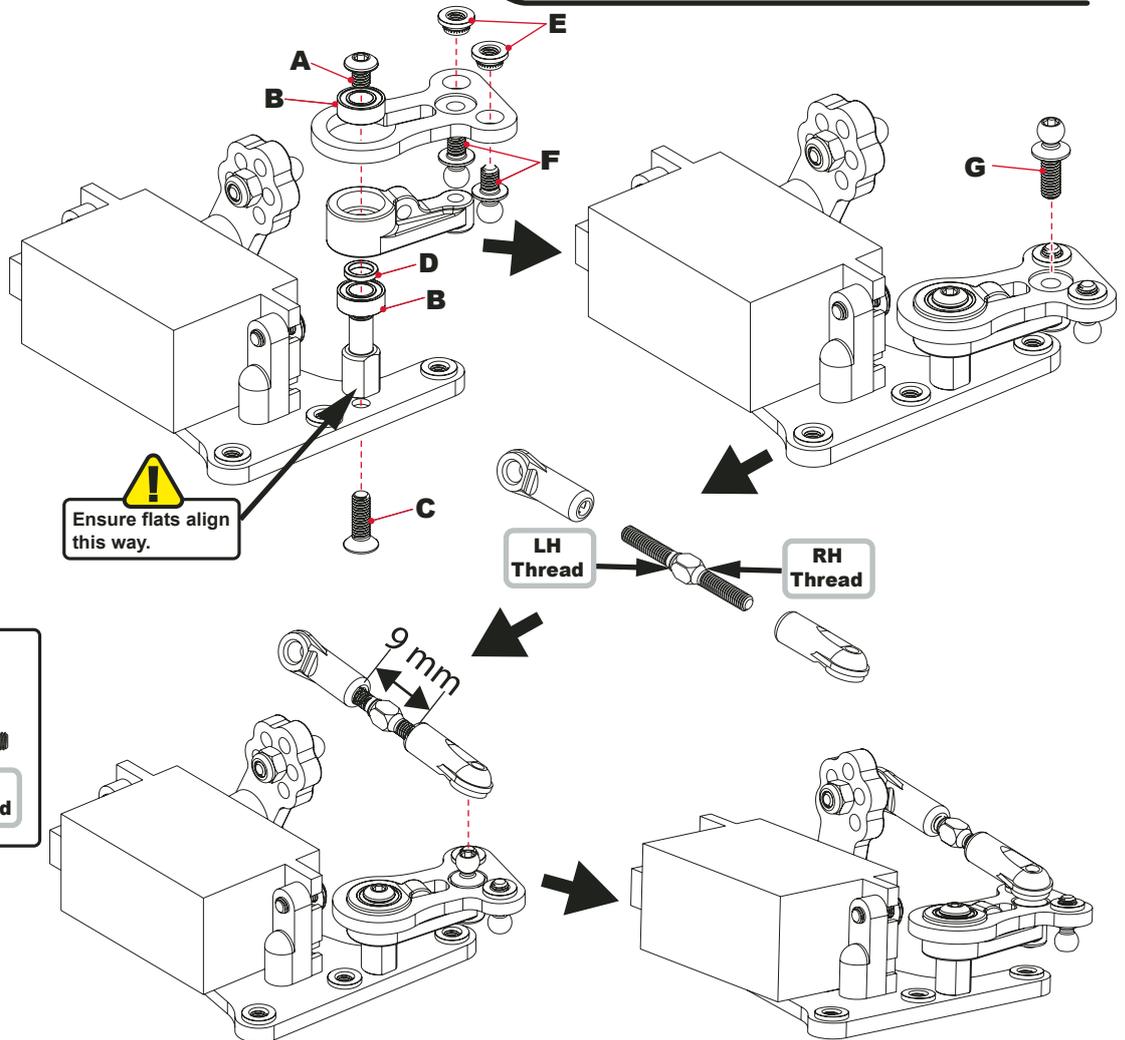


!
Servo is not included. Low profile servo (LP) is required.

!
Use the screw that is supplied with your servo.

BAG B - Step 15

- A x1**  M3 x 4 Button Hd Screw
- B x2**  ø4 X ø8 x 3 Bearing
- C x1**  M3 x 10 Csk Screw
- D x1**  ø5 x ø7 x 1.5
- E x2**  M3 Thread Insert
- F x2**  Low Ball Stud Ultra Short
- G x1**  Low Ball Stud Long Thread

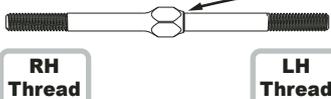


!
Ensure flats align this way.

LH Thread

RH Thread

!
Note the shape of the turnbuckle. This side of the turnbuckle is the left hand thread.



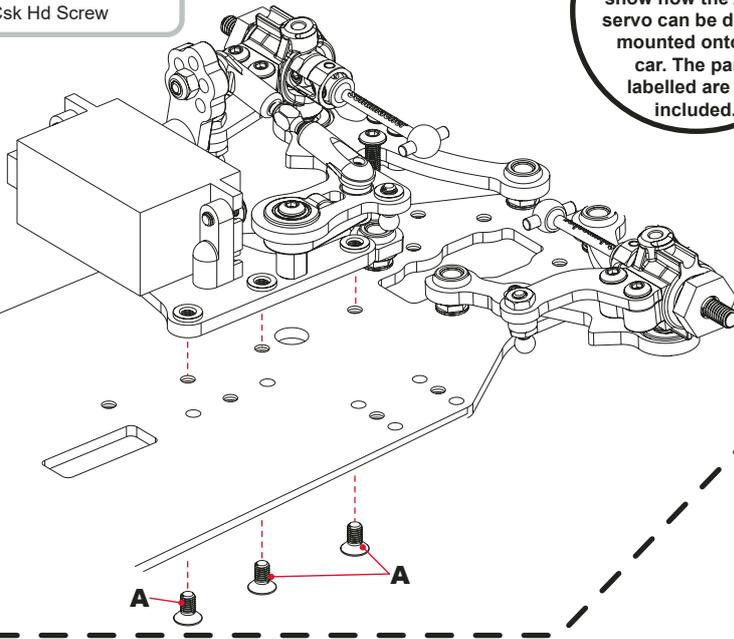
RH Thread

LH Thread

BAG C - Step 16a

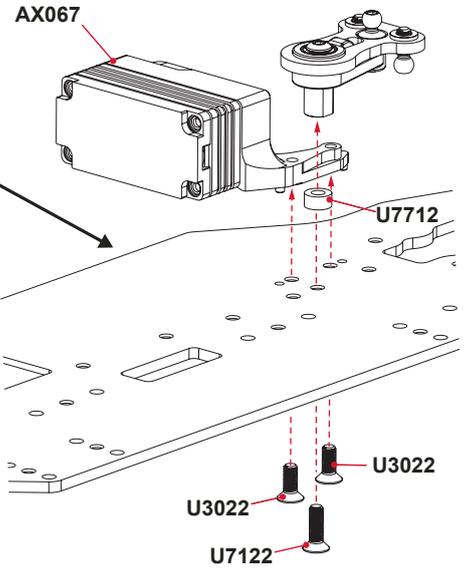
A x3

M3 x 6 Csk Hd Screw



RACE TIP

This image is used to show how the Aerox servo can be directly mounted onto the car. The parts labelled are not included.



BAG C - Step 16b

Front toe link

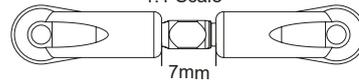
1:1 Scale



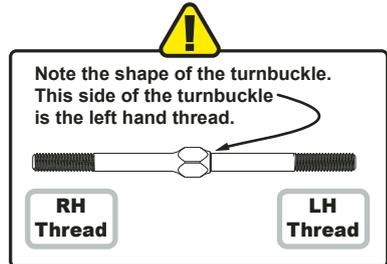
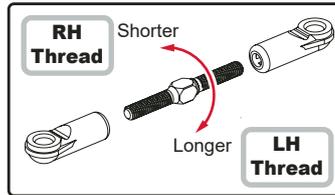
12.3mm

Rear toe link

1:1 Scale



7mm



BAG C - Step 17

A x4

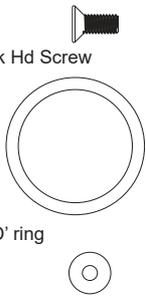
M2 x 6 Csk Hd Screw

B x4

Ø13 x 2 'O' ring

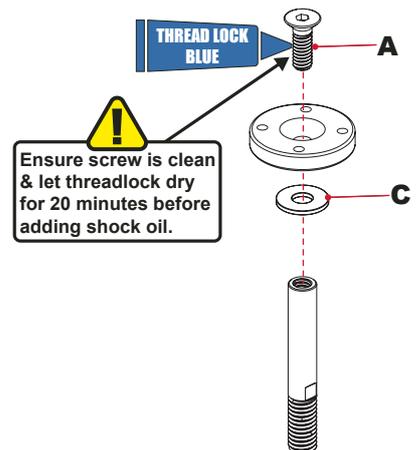
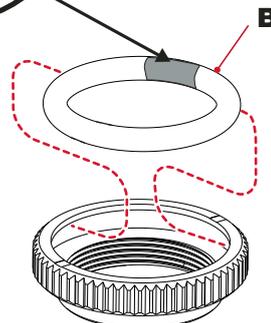
C x4

M2 Washer



RACE TIP

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



BAG C - Step 17

A x4
Red 'O' Ring

B x8
Shock Shim

RACE TIP

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

Make four shocks the same.

4 x ø1.1mm piston.

Max 1.2mm Drill.

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

Grip shaft here when attaching the socket and piston.

Step 3

Place the diaphragm onto the oil, then gently press it down to allow excess oil to escape.

The factory setting has 2 shims here.

Step 1

Fill with shock oil up to this line. The kit setup is 35w or 400cSt in all shocks.

Step 2

Slowly move piston up and down 2/3 times. Then wait for the air bubbles rise to the top and disappear. This may take up to 10 minutes.

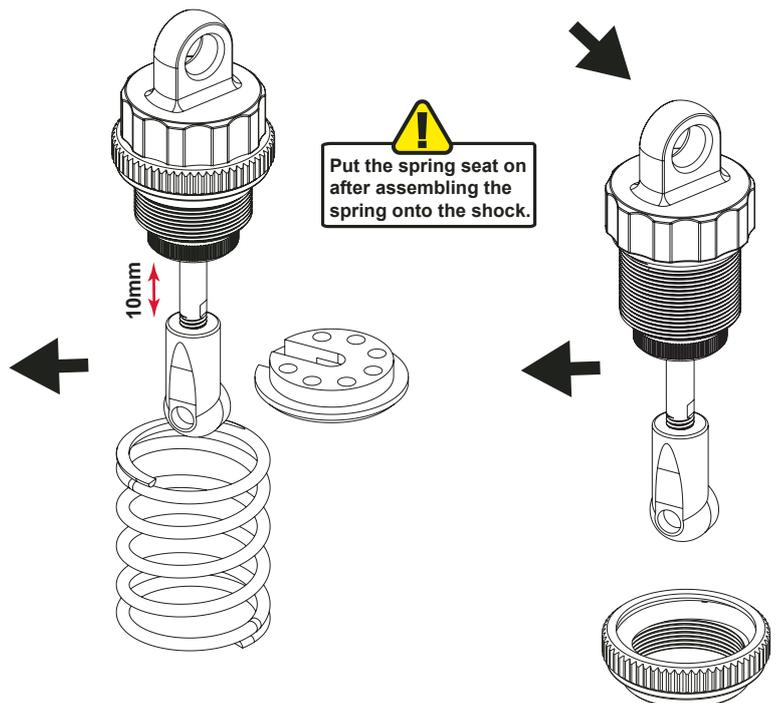
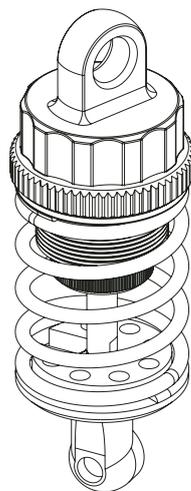


Put the spring seat on after assembling the spring onto the shock.

10mm

Info

The front spring is 2.5 N/mm (Blue).
The rear spring is 2.9N/mm (Purple).

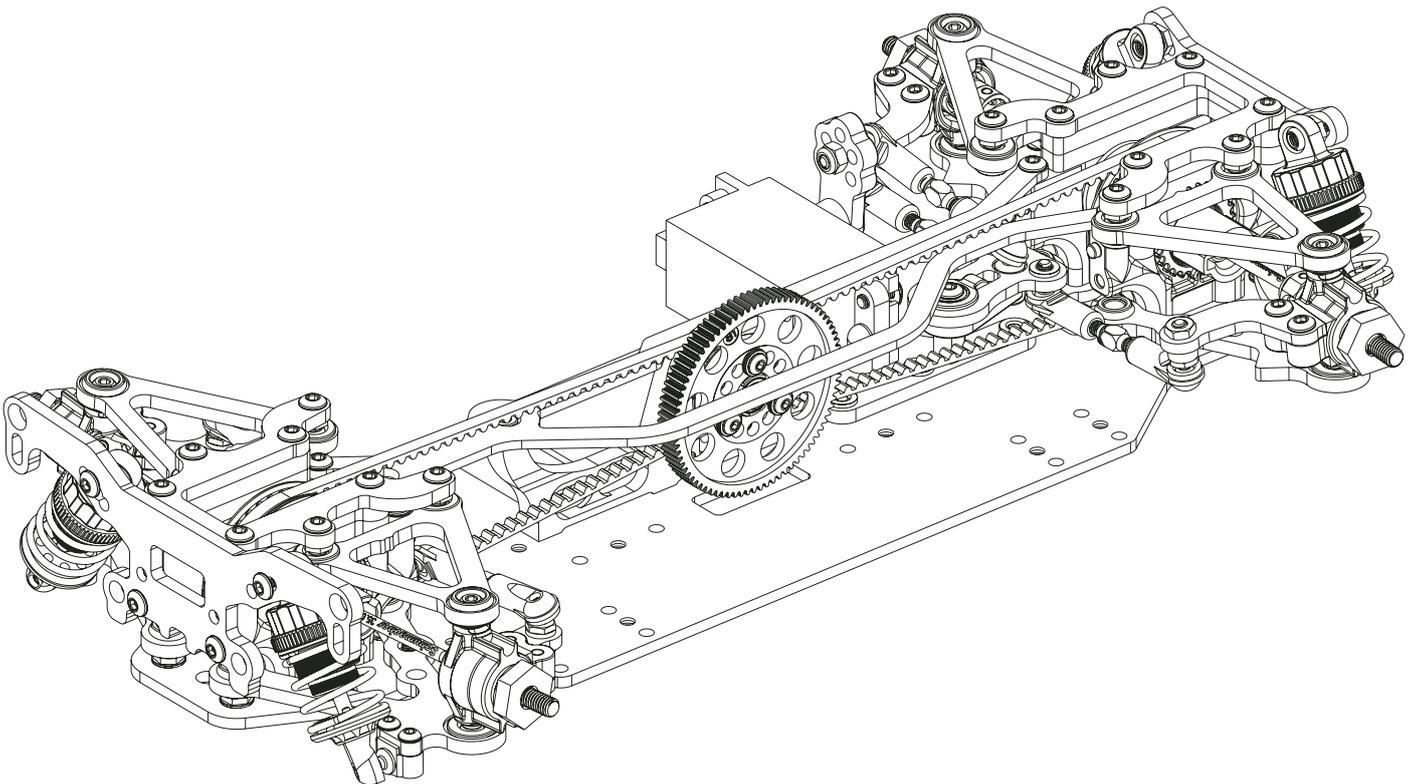
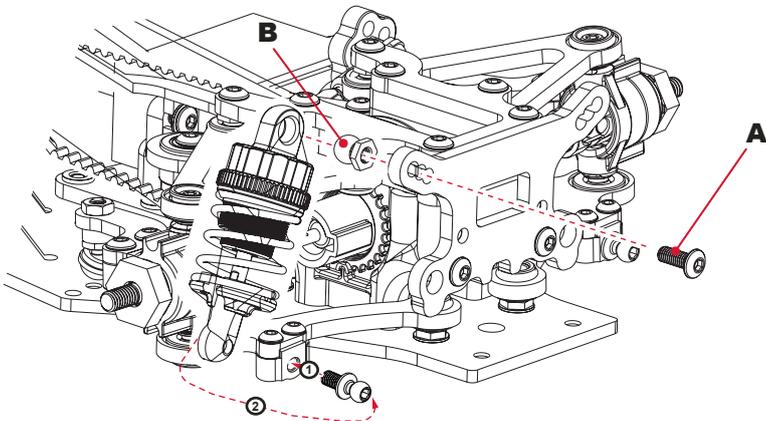
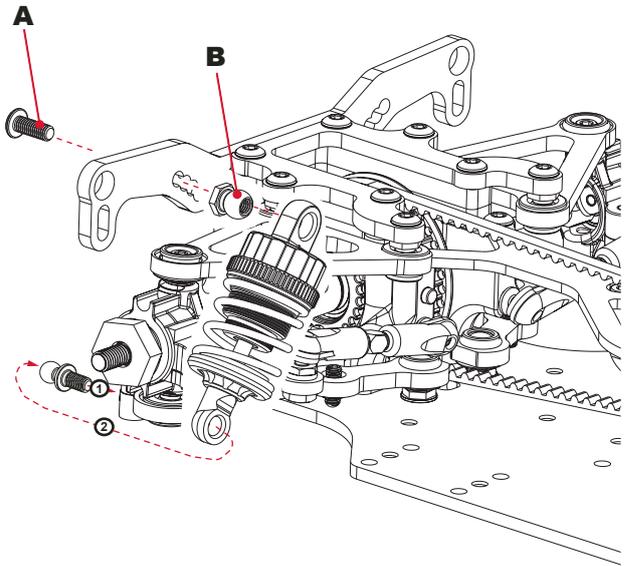


BAG C - Step 18

- A x4** 
M3x 8 Button Hd Screw
- B x4** 
Pivot Ball
- C x4** 
Ball Stud Short

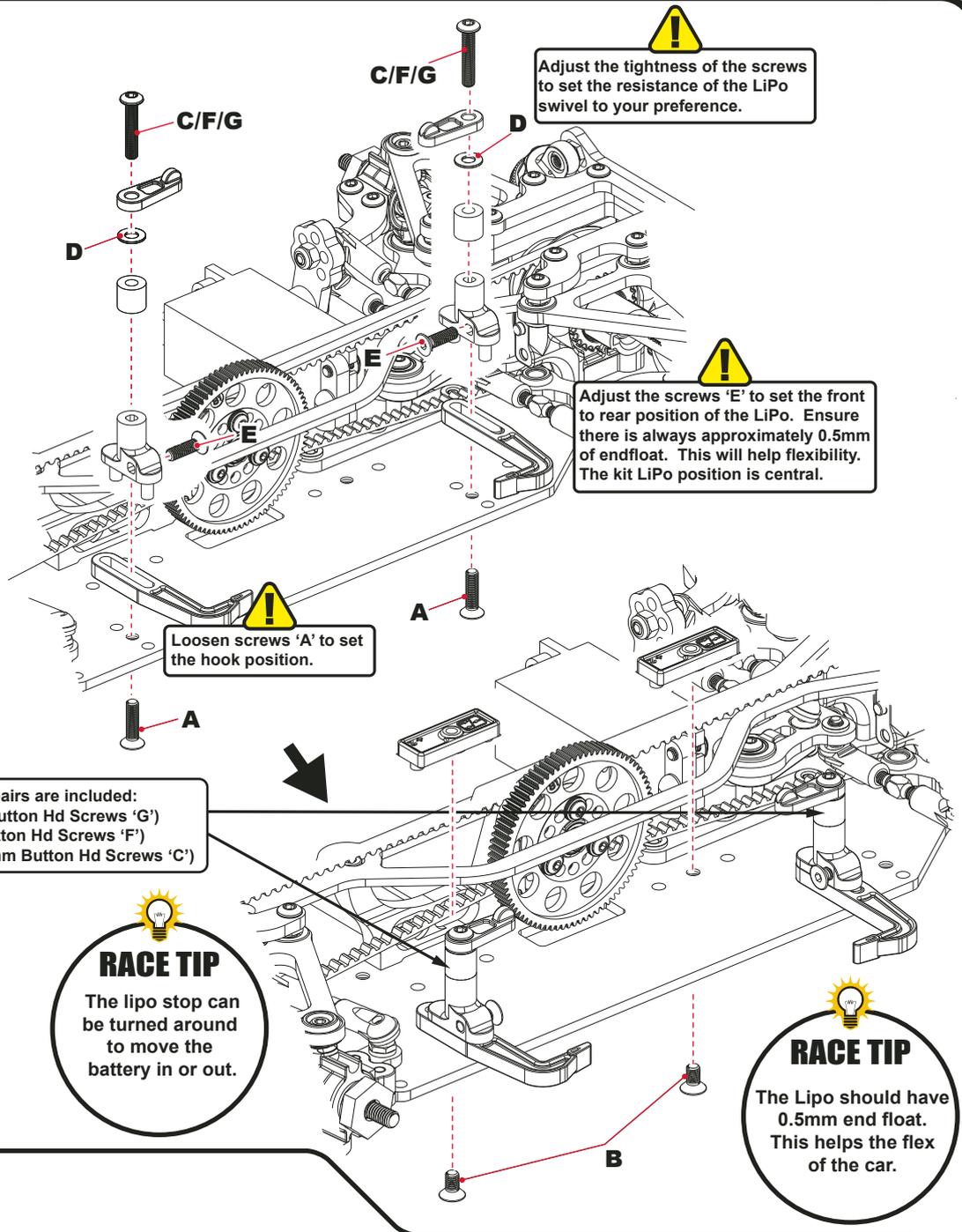

RACE TIP
Use pliers to assemble the shock ball into the shock cap.


Repeat this for the
otherside of the car.



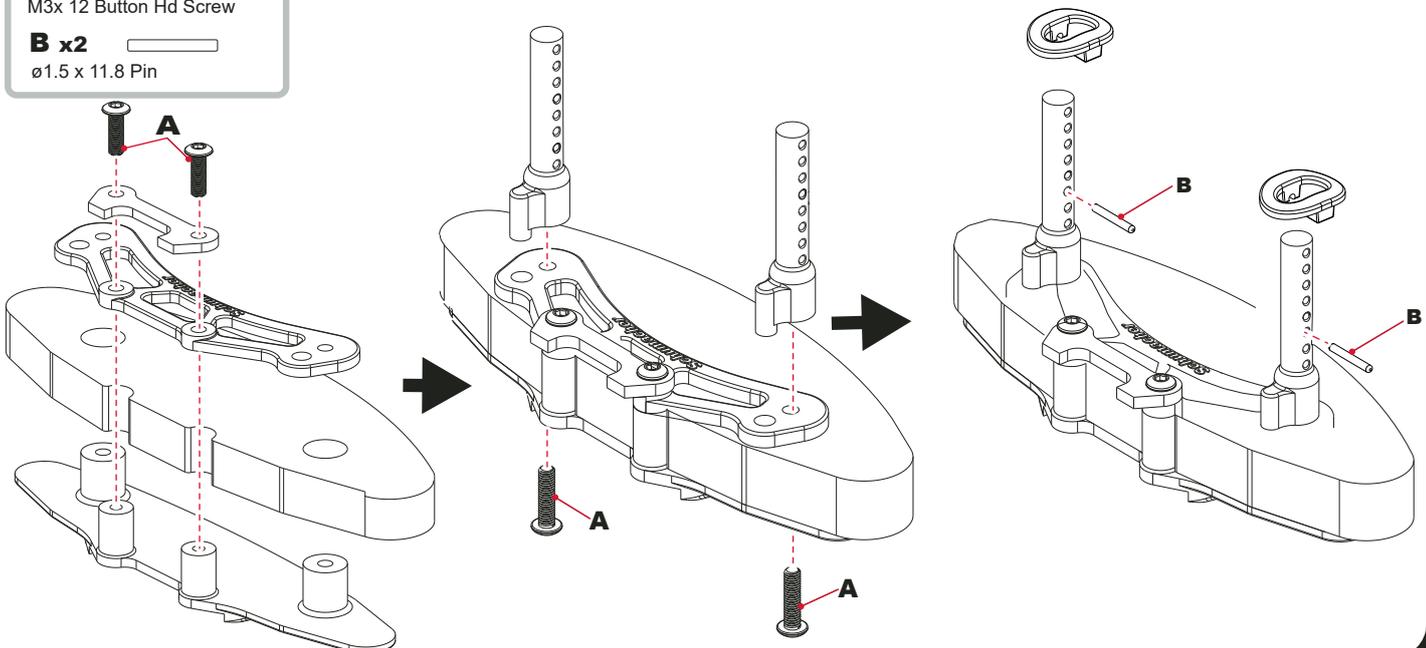
BAG C - Step 19

- A x2** 
M3x 12 Csk Hd Screw
- B x2** 
M3 x 6 Csk Hd Screw
- C x2** 
M3x 16 Button Hd Screw
- D x2** 
M3 Washer
- E x2** 
M3x 10 Csk Hd Screw
- F x2** 
M3x 12 Button Hd Screw
- G x2** 
M3x 10 Button Hd Screw



BAG C - Step 20a

- A x4** 
M3x 12 Button Hd Screw
- B x2** 
ø1.5 x 11.8 Pin

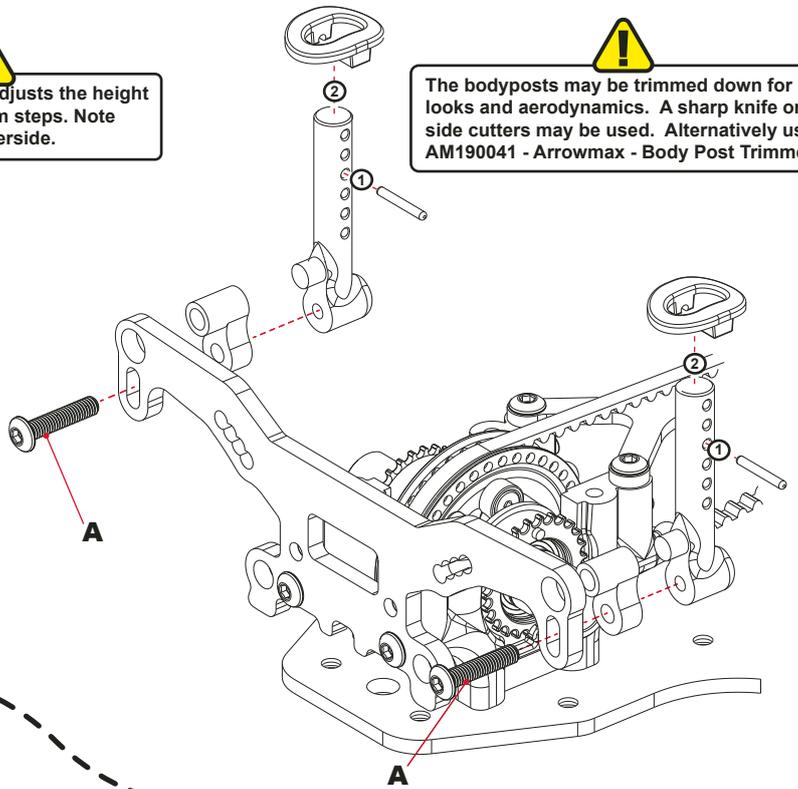


BAG C - Step 20b

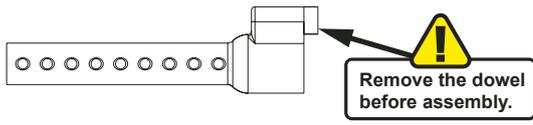
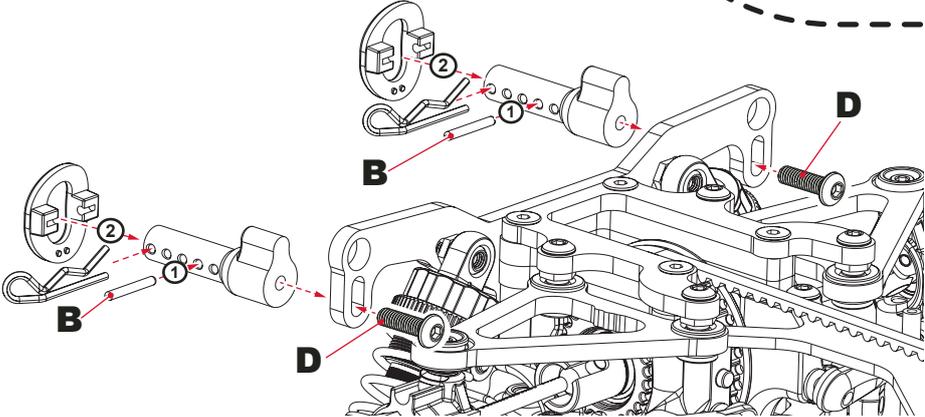
- A x2** 
M3x 14 Button Hd Screw
- B x2** 
ø1.5 x 11.8 Pin
- C x2** 
M3x 10 Csk Hd Screw
- D x2** 
M3x 10 Button Hd Screw

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

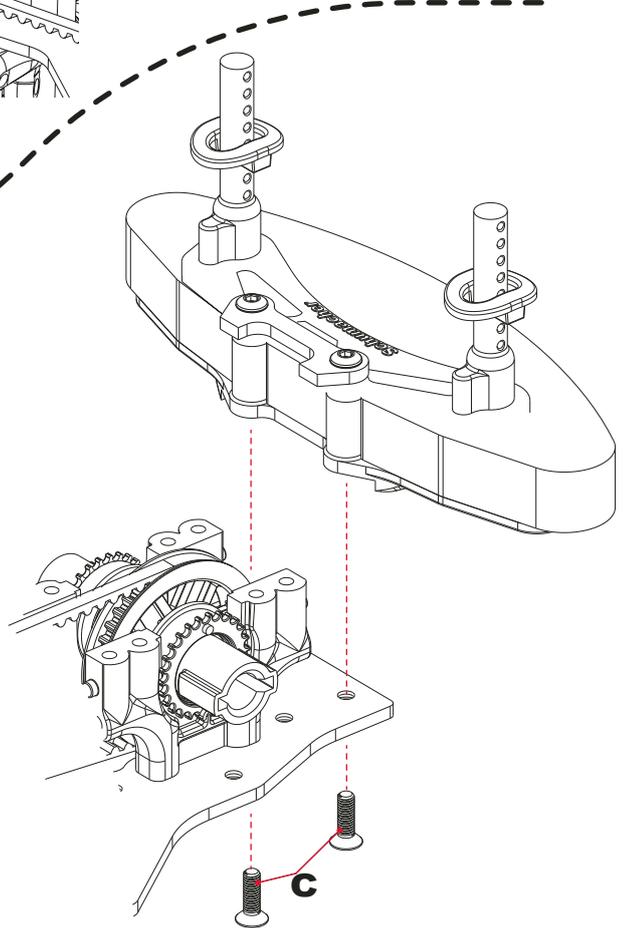
 The bodyposts may be trimmed down for looks and aerodynamics. A sharp knife or side cutters may be used. Alternatively use: AM190041 - Arrowmax - Body Post Trimmer.



OPTIONAL - REAR Horizontal Body Mounting.

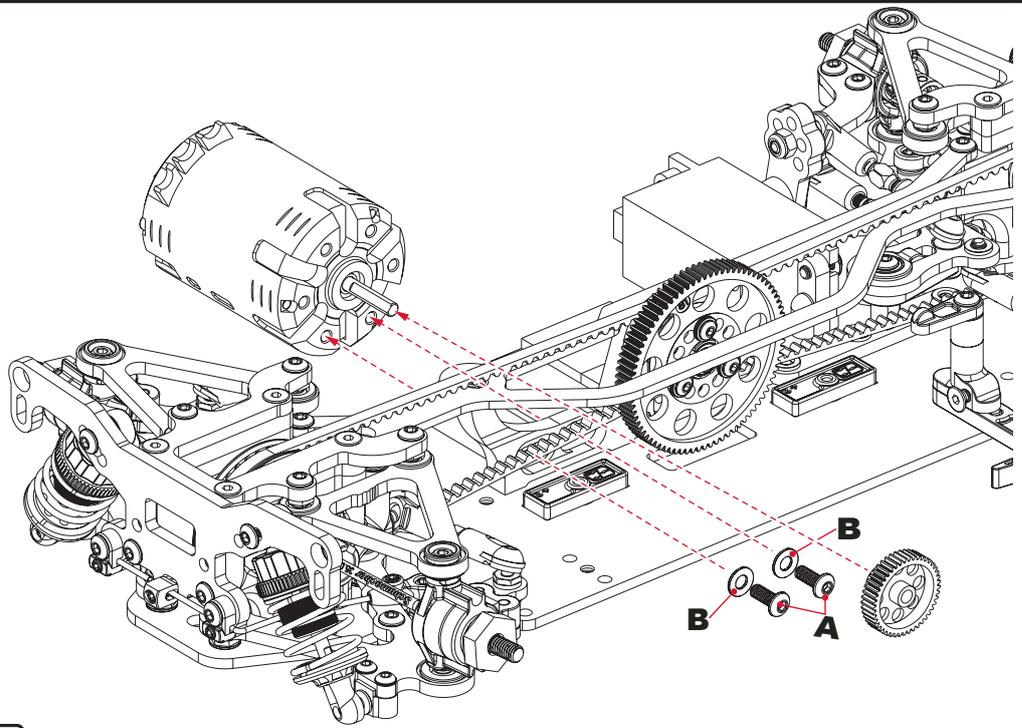


 Parts removed for visual clarity

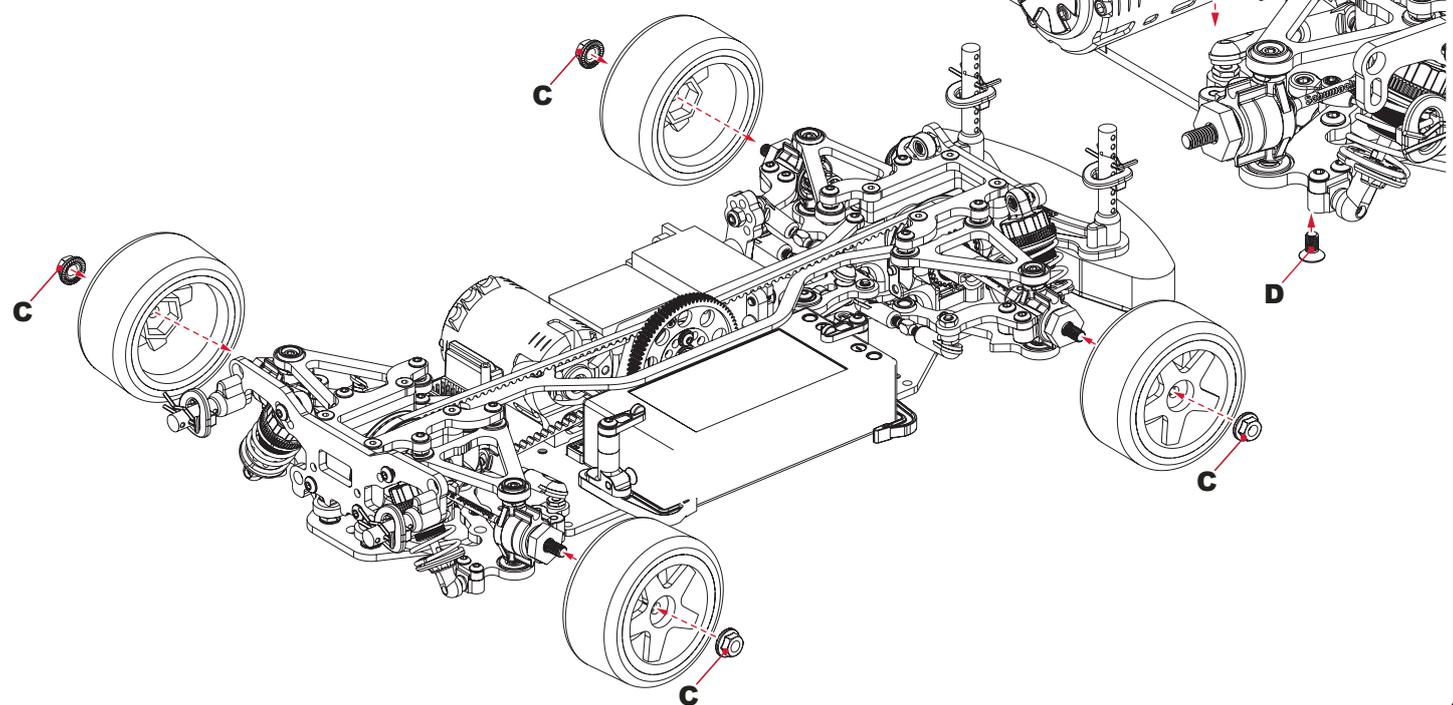
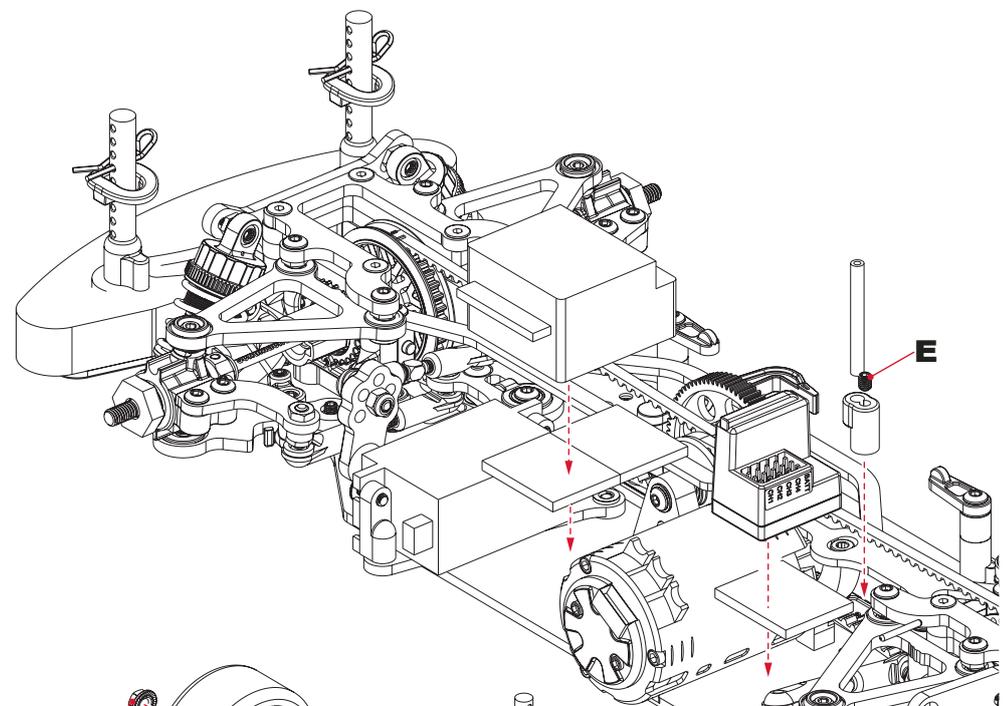


BAG B - Step 21

- A x2**  M3x 8 Pan Hd Screw
- B x2**  M3 Washer
- C x4**  M4 Serrated Wheel Nut
- D x1**  M3x 6 Csk Hd Screw
- E x1**  M3x 4 Grub Screw



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



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TRACK SETTINGS

RIDE HEIGHT

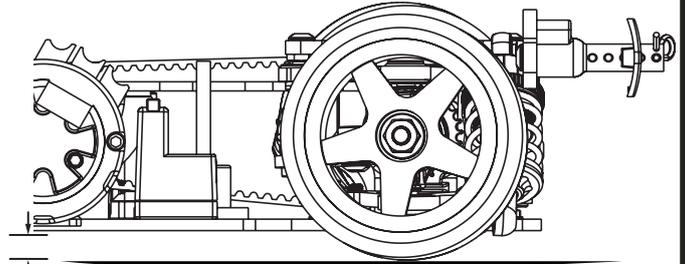
Use the spring adjusters on the shock absorbers to adjust the front and rear ride heights. We recommend setting the ride height to around 5.0mm on carpet/ high traction tarmac/asphalt and 5.5mm on tarmac/asphalt or low traction carpet tracks.

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)



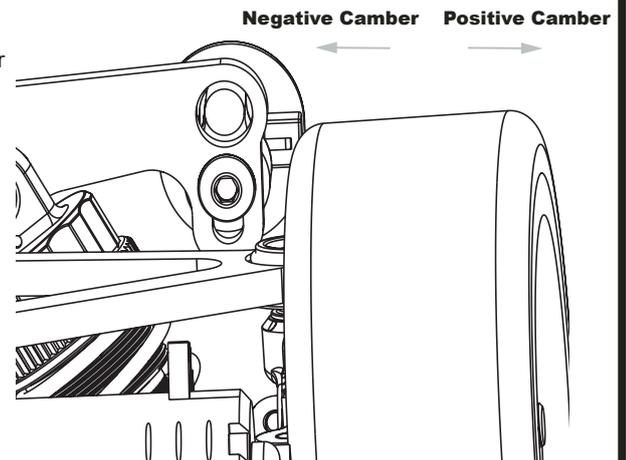
CAMBER

The kit comes with a 1.5 degree front upper wishbone, 2.5 degree rear upper wishbone. This is signified by the notch's on the upper wishbones. There is an optional wishbone set (U8893) that can be used to set desired levels of camber and castor.

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 -1.5° 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 2.5° Rear and 1.5° Front, increasing to 2° Front camber if more front grip/steering is required.



TRACK WIDTH

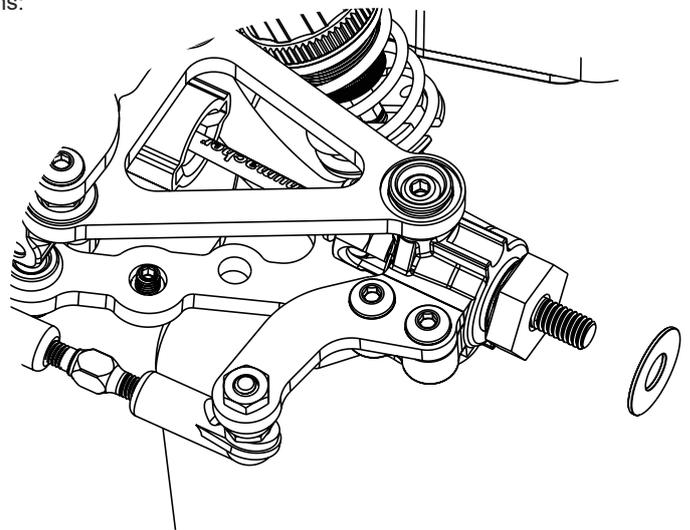
The track width may be adjusted using 2 different hex widths, or shims:

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

U3570 - Alloy wheel hex ; Slim (pr)

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.



NEON

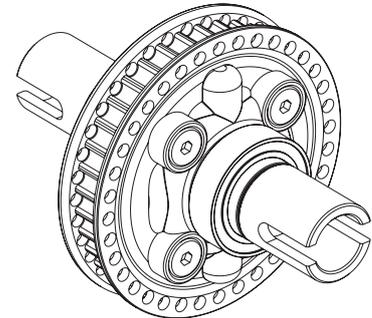
4WD MTC PRO CHASSIS

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.

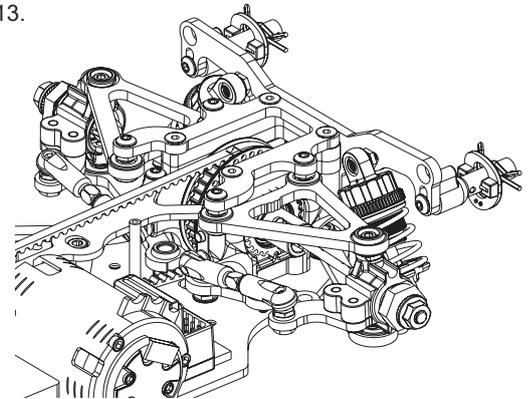
Thinner gear diff oil will create the opposite effect. More aggressive corner entry, and more steering off power in the corner. It will have less on power steering, but will feel much easier to put the power on without oversteering.



REAR BODY POST OPTION

There is an included alternate rear body mounting bag included in the kit. See Page 13.
This option allows for horizontally mounted body posts.

In doing this the rear of the car is far more lively but will provide much greater steering in the middle and exit of a corner.
Horizontal body mounting should only be used when the track grip is high.
For low grip use the vertically mounted rear body posts.

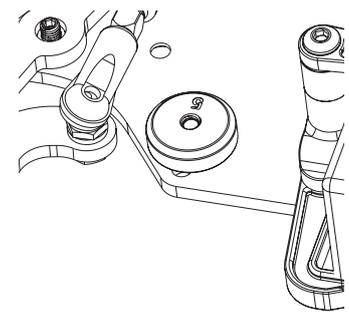


WEIGHT DISTRIBUTION

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 CR723 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.

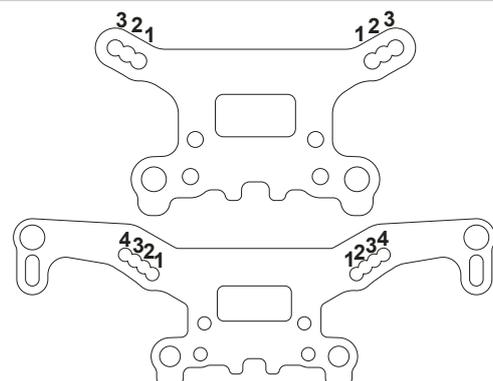
More rearwards weight generally gives a more aggressive car with more steering.
More forwards weight generally gives a smoother car handling with less steering. A more forwards weight bias will make the car easier to drive in higher grip conditions.



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.



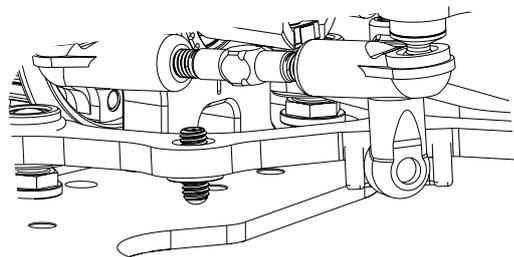
NEON

4WD MTC PRO CHASSIS

DROOP

The starting point for droop suggested by the team is 20mm rear, 21mm 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. This is identical to using 3.8mm Rear and 5.2mm Front by using a conventional droop gauge, that is being measured on the edge of the arm.

We suggest using a range between 20mm and 21mm 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.



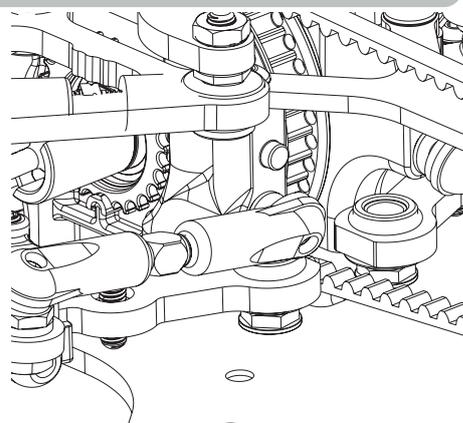
LOWER WISHBONE SPACERS

The kit setting is 0.5mm under all 8 wishbone lower balls.

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

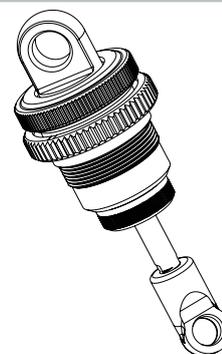
Increased roll centres help the car to be free and will rotate more. This helps when the traction is high or when the car has understeer. Decreasing the roll centres will make the car more stable and easier to drive, however on high grip tracks the car may have excessive understeer.

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.



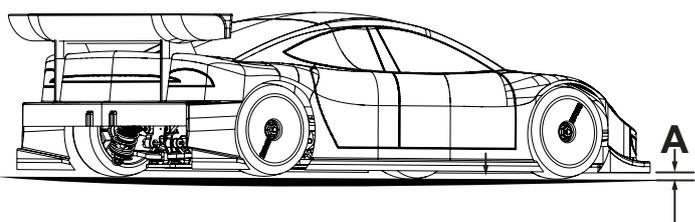
SHOCK OIL

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.



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 bodyshell might catch on the track.



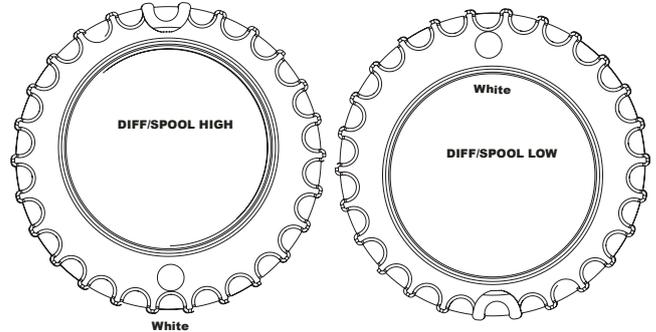
NEON

4WD MTC PRO CHASSIS

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.



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 CALCULATIONS

Internal Ratio = 1.6363 : 1

Final Drive Ratio (FDR) = $\frac{\text{SPUR} \times 1.6363}{\text{PINION}}$

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

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

GEAR RATIO CHART - 48DP

Maximum tooth sum = 123
Minimum tooth sum = 107

	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					

Option Parts



U8882 - Alloy Transmission Housings (pr) - Neon



U8893 - Adjustable Upper Wishbone Set - Neon



U8890 - ARB Set (pr) - Neon



U8840 - Alloy Layshaft Mount - Neon



U7839 - C/F LiPo Swivel (pr)



U8261 - Alloy Hub Carrier - Mi8



U7837 - C/F Upper Bumper



U7827 - Alloy LiPo Mount (pr)



U3570 - Alloy Wheel Hex: Slim (pr) **U3525** - Alloy Wheel Hex: Medium (pr) **U4577** - Alloy Wheel Hex: Wide (pr)



U8256 - Alloy T Brace



U3582 - Precision Balance Pivot



U7400 - Titanium Low Profile M4 Serrated Nut (pk4)



U7854 - Alloy Double Joint Driveshaft Tube pr
Lightweight Option



U7855 - Titanium Rear Axle pr
Lightweight Option



CR304 -
Titanium Wheel Nuts M4 - pk4
Lightweight Option

SPARES LISTS

Bearings

- U1411 Ball Bearing - 4x8x3 Shield - (pr)
- U2148 Ball Bearing - 5x10x4 Shield - (pr)
- U3016 Ball Bearing - 10x15x4 - Shield (pr)
- U7326 Ball Bearing - 5x10x3 Shield - (pr)
- U8320 Ball Bearing - 3/16"x5/16" Yellow (pr)

Bodyshells & Decals

- U8904 Decal - Neon

Chassis Parts

- U119 Aerial Tube - Pack 4
- U4741 6mm Offset Servo Arms
- U4773 Aerial Mount
- U4950 Body Posts 4pcs -E1-E5,A2/3,FT,ST/2,I,con/2,FT8,Mi9
- U7739 Body Post Spacers - Mi7,Mi8 (pr)
- U7750 LiPo Mounting Mouldings set - Mi7,FT,Mi8,FT8,Mi9
- U7773 Alloy Steering Pivots/Spacers - Mi7,Mi8,Mi9 (pr)
- U7848 Servo Post - Mi7
- U7850 Body Post Set (4pcs) - Mi7,FT,Mi8
- U8316 Front Bumper Mouldings - Mi8,FT8,Mi9
- U8828 Inner Lipo Stop (pr) - Neon
- U8835 Transmission Housing (pr) - Neon
- U8839 Motor Mount - Neon
- U8842 Steering Pivot - Neon
- U8846 S2 Front Shock Mount - Neon
- U8847 S2 Top Deck (1.6mm) - Neon
- U8848 S2 Bumper Stop - Neon
- U8849 S2 Chassis - Neon
- U8850 S2 Radius Arm - Neon
- U8853 S2 Rear Shock Mount - Neon
- U8856 S2 Servo Mount - Neon
- U8857 S2 Upper Link Mount (pr) - Neon
- U8858 S2 Upper Link Mount 4mm Spacer (pr) - Neon
- U8861 Bumper Foam - Neon
- U8863 C/F Topdeck - Neon
- U8864 C/F Chassis - Neon
- U8865 C/F Upper Link Mount 4mm Spacer (pr) - Neon
- U8866 C/F Upper Link Mount (pr) - Neon
- U8867 C/F Servo Mount - Neon
- U8870 C/F Radius Arm - Neon
- U8871 C/F Bumper Stop - Neon
- U8872 C/F Rear Shock Mount - Neon
- U8873 C/F Front Shock mount - Neon
- U8905 Manual - Neon

Hardware

- CR024 CORE RC - Serrated M4 Steel Wheel Nut pk4
- U1548 SPEED PACK - M3 Washers
- U1633 SPEED PACK - Small Pins (pk)
- U2128 SPEED PACK - Grub-Set Screws M3 M4
- U2947 SPEED PACK - M2.5 Washers (pk8)
- U3021 SPEED PACK - M3x6 Csk Hd - (pk10)
- U3022 SPEED PACK - M3x8 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
- U4650 SPEED PACK - M3 Nyloc Nut Steel - Black (10pcs)
- U4652 SPEED PACK M3x2.5 Grub Screws (10pcs)
- U4835 SPEED PACK - M3 Steel Nut Black (pk8)
- U4837 SPEED PACK M2.5x10 Cap Hd (pk8)
- U4987 SPEED PACK Needle Roller 1.5x11.8 (pk8)
- U7102 SPEED PACK - M3x4 Button Hd (pk10)
- 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)
- U7113 SPEED PACK - M3x10 Cap Hd (pk10)
- U7122 SPEED PACK - M3x12 Csk Hd (pk10)
- U7124 SPEED PACK - M3x20 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
- U7743 M2.5 X 8 Button Screws (pk10)
- U7795 M3x2 Grub Screw (pk10)
- U8133 6 x 1 'O'ring pk10 - Mi7,I,con/2,E4,Mi8,E5,A3,FT8

- 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)
- U8898 M2.5 Thread Inserts (pk10)

Options

- AM348078 Spur Gear 48P - 78T
- AM348081 Spur Gear 48P - 81T
- AM348082 Spur Gear 48P - 82T
- AM348083 Spur Gear 48P - 83T
- AM348084 Spur Gear 48P - 84T
- AM348085 Spur Gear 48P - 85T
- AM348086 Spur Gear 48P - 86T
- AX011 Aerox Alloy Servo Arm - Offset 25T Futaba
- AX012 Aerox Alloy Servo Arm - Offset 23T KO/Sanwa
- AX030 Aerox On-Road Alloy Servo Arm - Offset 23T Sanwa
- AX031 Aerox On-Road Alloy Servo Arm - Offset 25T Futaba
- CR280 Ti Pro Ball Studs - Short - (pr)
- CR282 Ti Pro Ball Studs - Long - (pr)
- CR304 Titanium Wheel Nuts M4 - pk4
- CR310 Alloy Csk Hex Screws M3 x 6 pk10
- CR311 Alloy Csk Hex Screws M3 x 8 pk10
- CR313 Alloy Csk Hex Screws M3 x 12 pk10
- CR315 Alloy Button Head Hex Screws M3 x 8 pk10
- CR316 Alloy Button Head Hex Screws M3 x 10 pk10
- CR317 Alloy 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
- U3570 Alloy Wheel Hex - Slim pr - Mi4-Mi8,FT,FT8
- U3582 Precision Balance Pivot Set
- U4328 Impact Servo Saver 23T/25T
- U4329 Impact Servo Saver Mouldings
- U4330 Impact Servo Saver Springs
- U4577 Alloy Wheel Hex - Wide pr - Mi4-Mi8,FT8
- U4725 Pro Ball Bearing - 5x10x4 Shield - (pr)
- U4726 Pro Ball Bearing - 5x10x3 Shield - (pr)
- U7313 Titanium Turnbuckle - 24mm - Silver - pr
- U7314 Titanium Turnbuckle - 30mm
- U7400 Titanium Low Profile M4 Serrated Nut (pk4)
- U7542 Ultra Short Shock Alloy Spring Seat pr-Mi6-8,FT8
- U7725 Pro-Ball Bearing 10x15x4 Sealed - (pr)
- U7730 Pro-Ball Bearing 4x8x3 Sealed - (pr)
- U7827 Alloy LiPo Mount pr - Mi7,FT,Mi8,FT8,Mi9
- U7828 Titanium Ball Stud Low (Ultra Short) (pk4)
- U7837 C/F Upper Bumper - Mi7,FT,Mi8,FT8,Mi9
- U7839 C/F LiPo Swivel pr - Mi7-Mi9,FT,FT8,LD3,ST2
- U7854 Alloy D/Joint Driveshaft Tube pr V2 -Mi7,8,FT-8
- U7855 Titanium Rear Axle - Mi (pr)
- U8065 M3 Alloy Thread Insert pk8
- U8256 Alloy T Brace - Mi8,FT8,Mi9
- U8258 Castor Gauge - Mi8,FT8 (pr)
- U8261 Alloy Shock Top Ball - Mi8,FT8,Mi9 (pr)
- U8263 Alloy M3 Turnbuckle - 25mm - Black (pr)
- U8323 C/F Lipo Hook - Mi8,FT8,Mi9 (pr)
- U8333 Wheel Hex Spacers 0.25, 0.5, 0.75mm - (pk12)
- U8334 Alloy LiPo Swivel - Mi8,L1R,FT8,ST2,LD3,Mi9 (pr)
- U8335 Brass Shorty Lipo Set - Mi8 - (pr)
- U8709 Pro TC Impact Servo Saver
- U8773 Brass Circular Weight 5g (pk4)
- U8840 Alloy Layshaft Mount - Neon
- U8882 Alloy Transmission Housings (pr) - Neon
- U8889 S2 1mm Link Mount Spacer (pr) - Neon
- U8890 ARB Set (pr) - Neon
- U8891 ARB Wire Set - Neon
- U8892 Alloy M3 Turnbuckle - 20mm Offset - Violet (pr)
- U8893 Adjustable Upper Wishbone Set - Neon
- U8903 Pro Ball Bearing 3/16 x 5/16 x 1/8 (pr)

SPARES LISTS

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)
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)
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

Suspension

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
U3496	Ball Studs; Short - pk 4
U3497	Ball Studs; Long - pk 4
U4221	Turnbuckle Adjuster HTT - 24mm - pr
U4274	Pro Ball Stud Short - pk4
U4275	Pro Ball Stud Long - pk4
U4297	Turnbuckle HT - 30mm - pr
U4557	Shock Seal Cap 1pr - Mi5evo,Mi7,FT8,Mi9
U4704	Fluted Ball Grippa - Grey (pk8)
U4707	Short Ball Grippa - Grey (pk8)
U4775	Pivot Ball 5.5mm - (4pcs)
U7463	Ultra Short Shock Seal 'O' Ring pk4 - Mi6-9,FT8
U7530	Ultra Short Shock Diaphragm pk4 - Mi6-8,FT8
U7533	Ultra Short Shock Collar 'O' Rings pr-Mi6-8,FT8
U7537	Ultra Short Shock Piston 4H pr - Mi6-9,FT8
U7539	Ultra Short Shock Springs 3.0 pr - Mi6-9,FT8
U7545	Ultra Short Shock Shims (3.3x6.7x0.05)-Mi6-9,FT8

U7561	Ultra Short Shock Spring Seat (pr)
U7733	Hub Carriers - Mi7,Mi8,FT8 (pr)
U7738	Radius Arms pr - Mi7,FT,Mi8,FT8,Mi9
U7782	Ultra Short Shock Rebuild Kit
U7832	Ball Stud Low (Ultra Short) (pk4)
U7834	Ball Stud Low (Long) (pk4)
U8166	5.5mm Pivot Ball Socket pk8 - Mi7,Mi8,FT8
U8829	FR Upper Wishbone 1.5deg - Neon
U8830	RR Upper Wishbone 2.5deg - Neon
U8831	Shock Body (pr) - Neon
U8832	Shock Top (pr) - Neon
U8837	Lower Shock Mount (pr) - Neon
U8838	Shock Shaft (pr) - Neon
U8844	S2 FL Lower Wishbone - Neon
U8845	S2 FR Lower Wishbone - Neon
U8851	S2 Steering Arm (pr) - Neon
U8852	S2 Rear Toe Arm (pr) - Neon
U8854	S2 RL Lower Wishbone - Neon
U8855	S2 RR Lower Wishbone - Neon
U8868	C/F Rear Toe Arm (pr) - Neon
U8869	C/F Steering Arm (pr) - Neon
U8874	C/F RL Lower Wishbone - Neon
U8875	C/F RR Lower Wishbone - Neon
U8876	C/F FL Lower Wishbone - Neon
U8877	C/F FR Lower Wishbone - Neon
U8878	C/F RL Upper Wishbone 2.5deg - Neon
U8879	C/F RR Upper Wishbone 2.5deg - Neon
U8880	C/F FL Upper Wishbone 1.5deg - Neon
U8881	C/F FR Upper Wishbone 1.5deg - Neon
U8883	S2 LH Rear Upper Wishbone 2.5deg - Neon
U8884	Shock Collar (pr) - Neon
U8888	S2 LH Front Upper Wishbone 1.5deg - Neon
U8900	Outer Wishbone Pivot Ball (pr) - Neon

Transmission

U2153	Spacers and Pins - pin drive - SST (4 sets)
U2184	SPEED PACK - DiscSprings+DrivePins
U3834	Driveshaft Pivt;Pin;Screw-Mi4-Mi6/SVR,KR,LD/2/3,ST
U4260	Gear Diff Housings - Mi5/evo
U4261	Gear Diff Bevel Gears - Mi5/evo,Mi6/evo
U4279	Gear Diff Rebuild Kit - Mi5/evo,Mi6/evo
U4712	Gear Diff O-Rings
U4929	Complete Diff - Mi6/evo
U7752	Rear Driveshaft Pins,Pivots - Mi7,FT,Mi8
U7754	Double Joint Driveshaft Pins,Pivots V2-Mi7,8,FT-8
U7756	Double Joint Driveshaft Axle V2 - Mi7,FT,Mi8,FT8
U7757	Double Joint Driveshaft Tube V2 - Mi7,8,FT-8
U7778	Rear Driveshaft Axle - Mi7,FT
U7785	Diff End Float Shim 0.10mm (pk10)
U7786	Gear Diff Rebuild Kit - Mi7,Mi8,FT8
U8824	Double Joint Driveshaft (pr) - Neon
U8825	Double Joint Driveshaft Bone - Neon
U8826	Rear Driveshaft Assembled (pr) - Neon
U8827	Rear Driveshaft Bone - Neon
U8833	Eccentric (pr) - Neon
U8834	Layshaft Mount & Pulley Set - Neon
U8836	Spool Hub and Fence - Neon
U8841	Driveshaft Bone Pin (pr) - Neon
U8859	Bando Belt 105T x 3mm Wide - Neon
U8860	Layshaft - Neon
U8885	Spool Output (pr) - Neon
U8886	Wheel Hex (pr) - Neon
U8887	Diff Output (pr) - Neon

Wheel & Tyres

JN35A	Mini Touring 35Sh A Foam Dia 52.5mm
JN37A	Mini Touring 37Sh A Foam Dia 52.5mm
JN40A	Mini Touring 40Sh A Foam Dia 52.5mm
JN45A	Mini Touring 45Sh A Foam Dia 52.5mm
RU0335	Rush Mini Tire 36 deg Round Type - 2pcs
RU0336	Rush Mini Tire 30 deg Round Type - 2pcs
RU0337	Rush Mini Tire 24 deg Round Type - 2pcs
RU0438	Rush Mini Tire 40 deg Round Type - 2pcs
RU0485	Rush Mini Tyres 24 Round Pre-Glued 4pcs
RU0486	Rush Mini Tyres 30 Round Pre-Glued 4pcs
RU0487	Rush Mini Tyres 36 Round Pre-Glued 4pcs
RU0488	Rush Mini Tyres 40 Round Pre-Glued 4pcs
RU1074	Rush Mini Tyres 28 Round Pre-Glued 4pcs
RU1075	Rush Mini Tyres 32 Round Pre-Glued 4pcs