

ATOM2

Instruction Manual



Schumacher
racing-cars.com

71-73 Tenter Road
Moulton Park
Northampton
NN3 6AX
U.K.

ADDITIONAL ITEMS REQUIRED

Transmitter and Receiver



E.S.C



Servo



Pinion



Motor



Li-Po Battery



CORE RC Paint
CR600 to CR631
CR666 to CR672



CR522 CORE RC
Pro Tyre Glue + 2 Nozzles

Wheels and Tyres



Bodyshell



Soldering Iron
CR266 40w
CR275 80w

U3107 - Solder

AM701011 - Low Profile 4mm Connector 24K - pk2
AM701012 - Low Profile 5mm Connector 24K - pk2



CR115
CORE RC Silicone Wire 12AWG Red/Black/Blue 50cm



CR233
Piston Drilling Kit
1.1-1.8mm (8 bits)

AM190003 Reamer With End Cap For Lexan Body

U4229 Steel Spanner - 5.5mm/3.9mm

CR044 Curved Body Scissors

AM150150 Nut Driver 5.0 (M2.5)
AM150155 Nut Driver 5.5 (M3)
AM150170 Nut Driver 7.0 (M4)

AM110115 Allen Wrench 1.5
AM110120 Allen Wrench 2.0
AM110125 Allen Wrench 2.5
AM110130 Allen Wrench 3.0



Schumacher Racing stocks and distributes the following manufacturers products and full product listings are available on our website at www.racing-cars.com

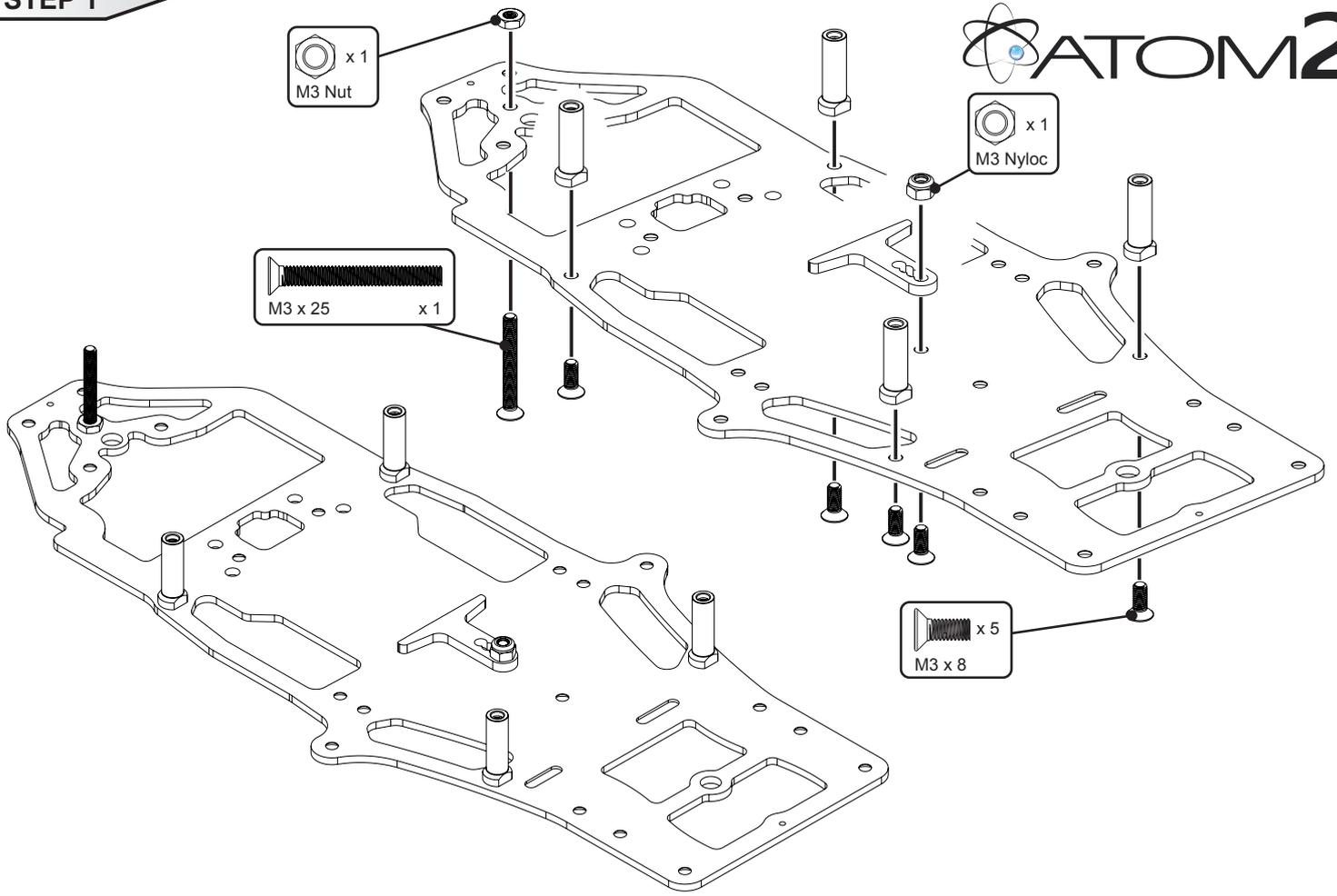
PLEASE NOTE THAT SOME OF THE PRODUCT RANGES BELOW ARE ONLY AVAILABLE IN THE UNITED KINGDOM.



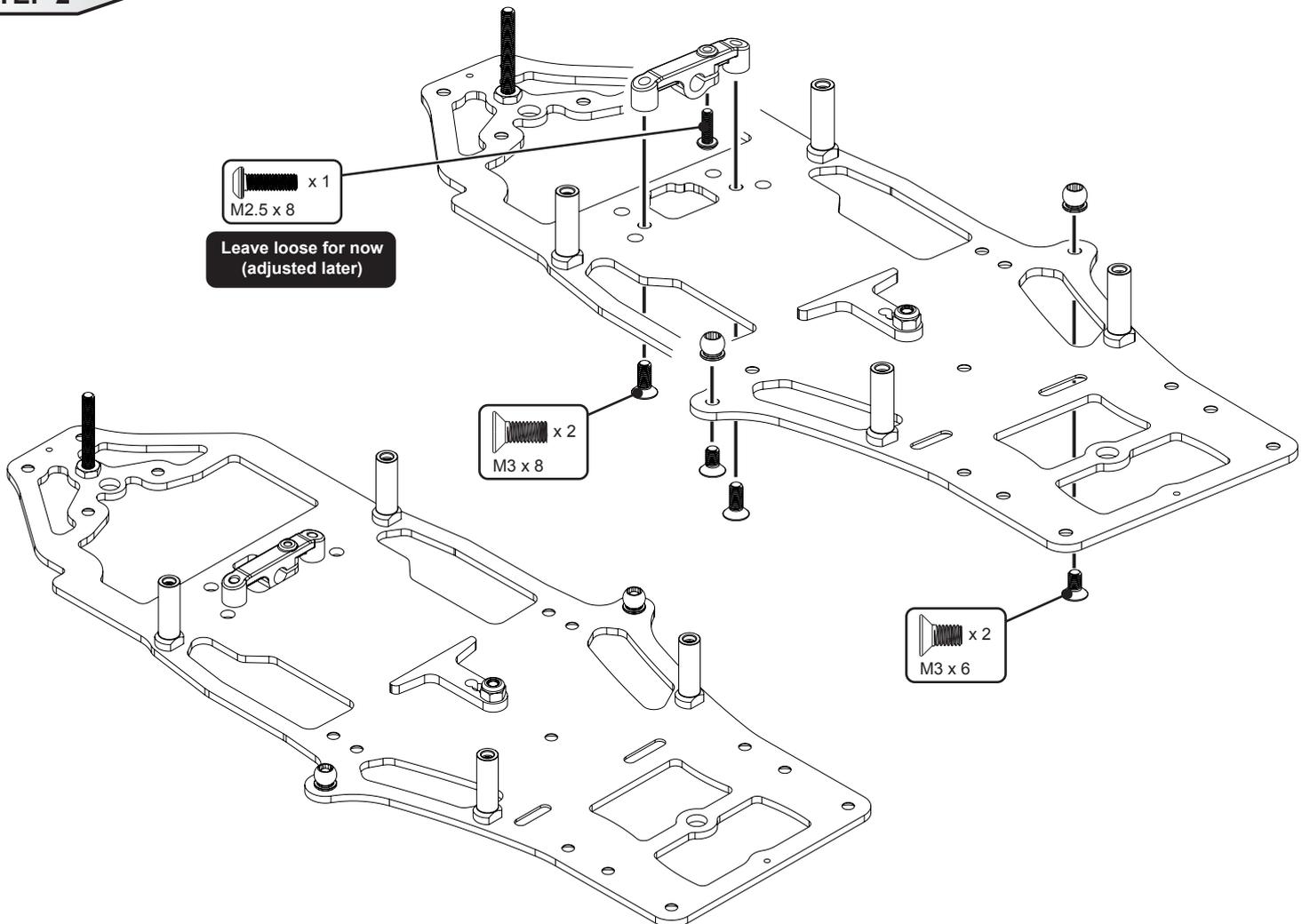
IMPORTANT SAFETY NOTES

- 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.

STEP 1



STEP 2

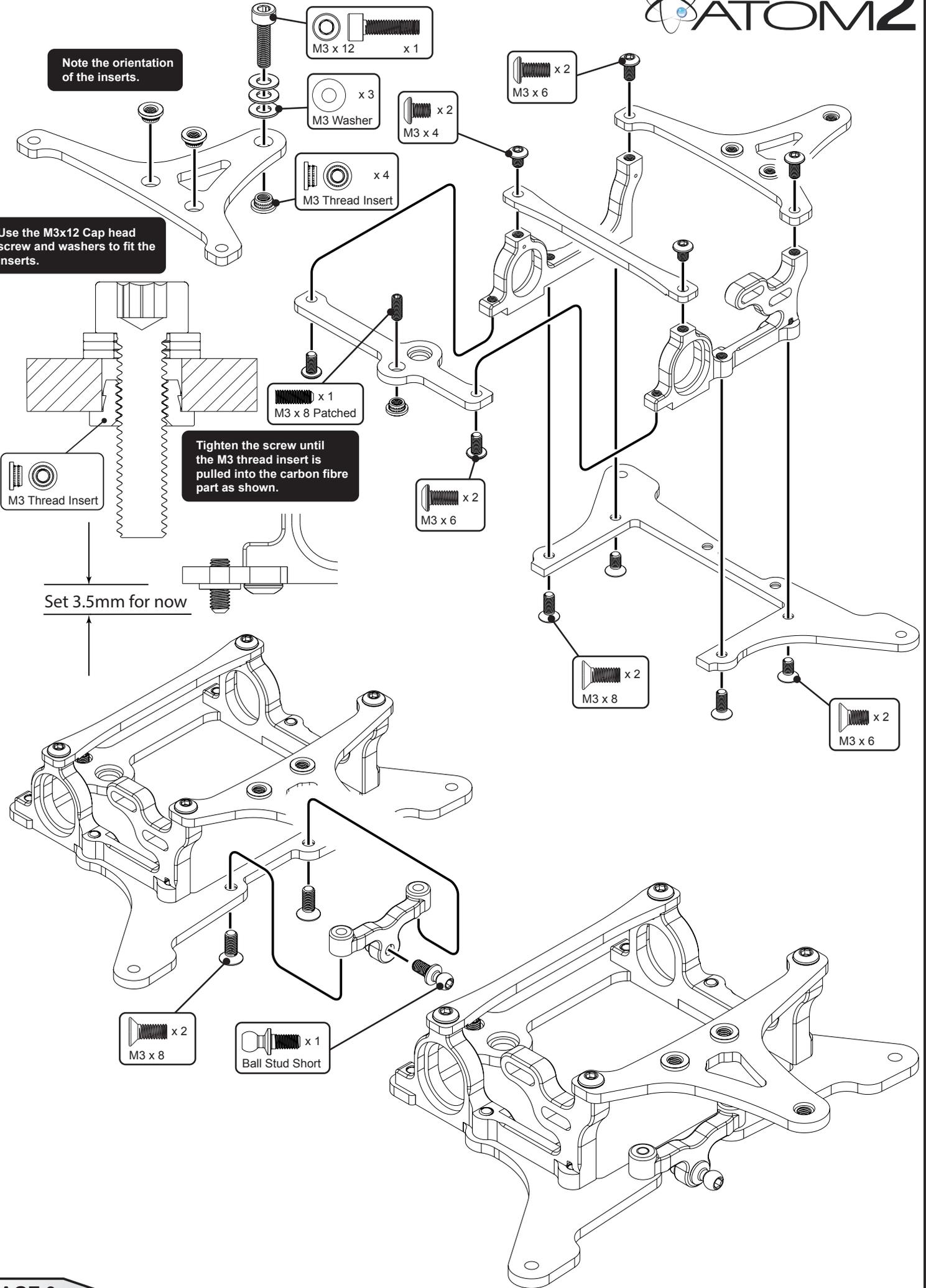


Note the orientation of the inserts.

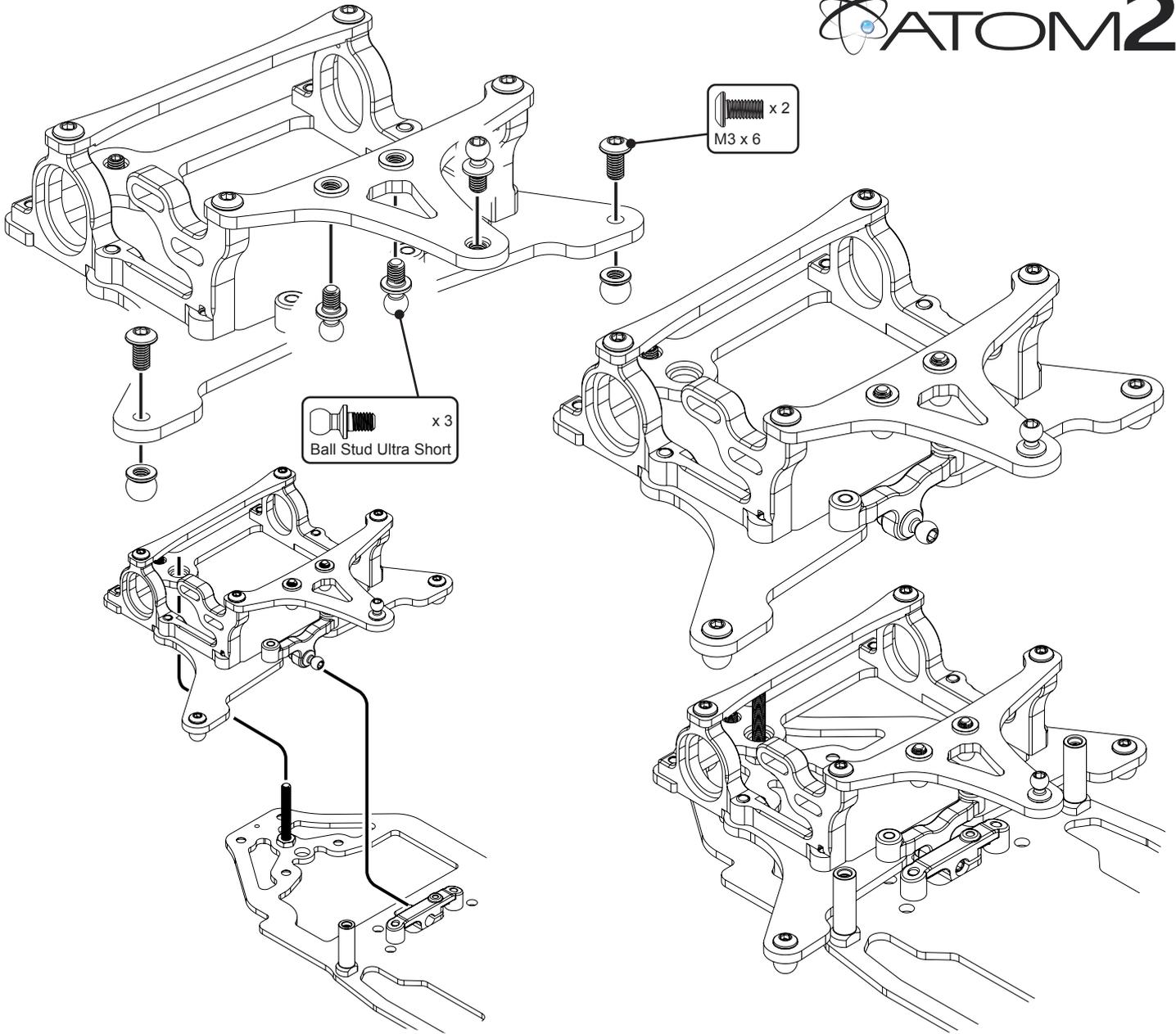
Use the M3x12 Cap head screw and washers to fit the inserts.

Tighten the screw until the M3 thread insert is pulled into the carbon fibre part as shown.

Set 3.5mm for now

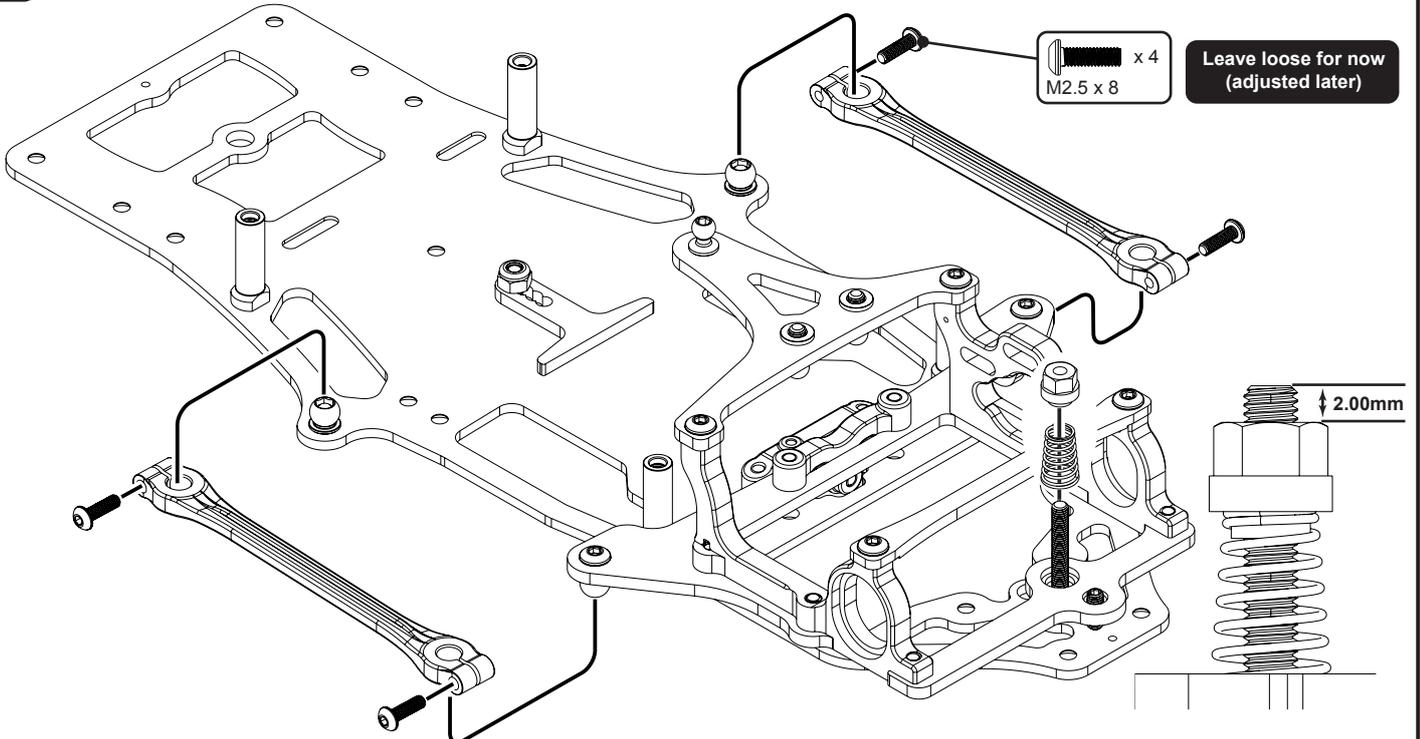


STEP 4



STEP 5

A

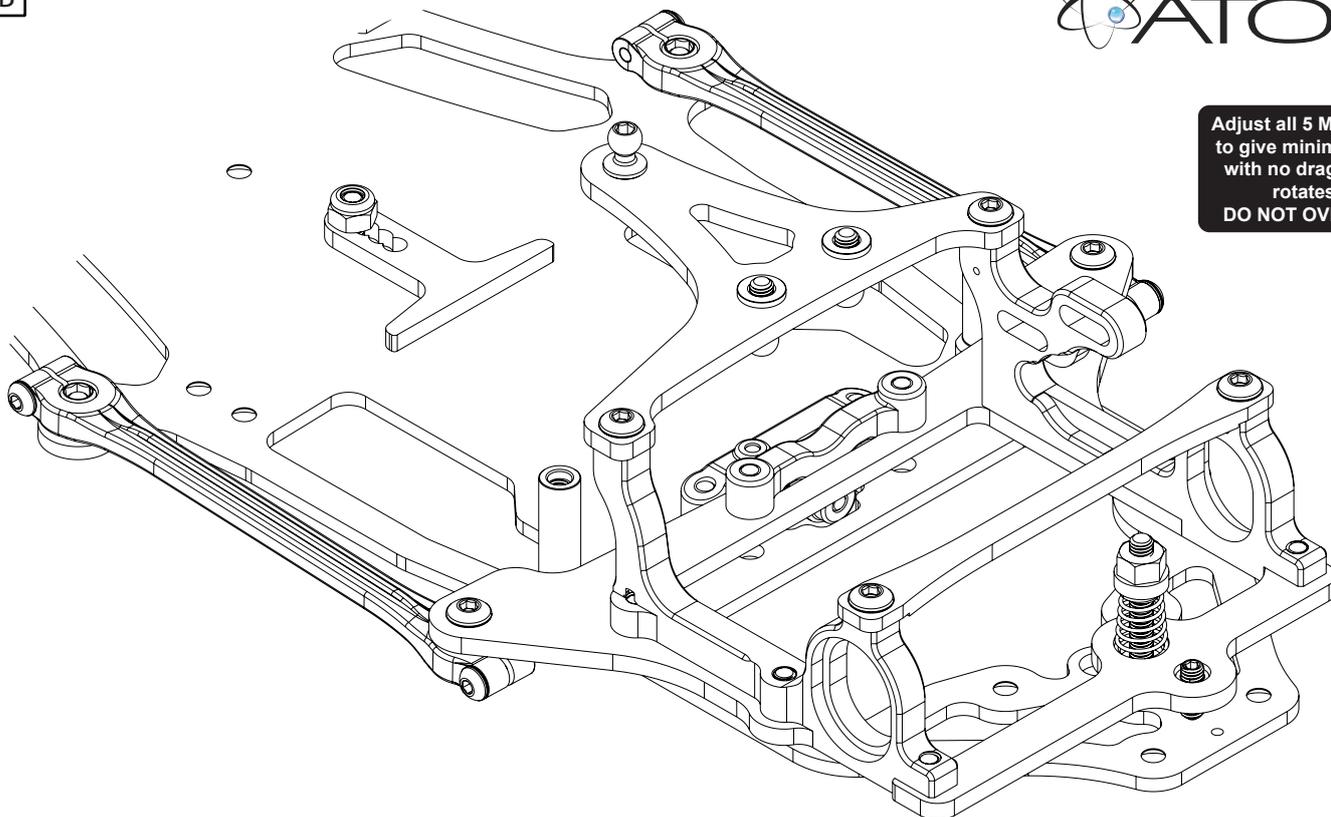


STEP 5

B

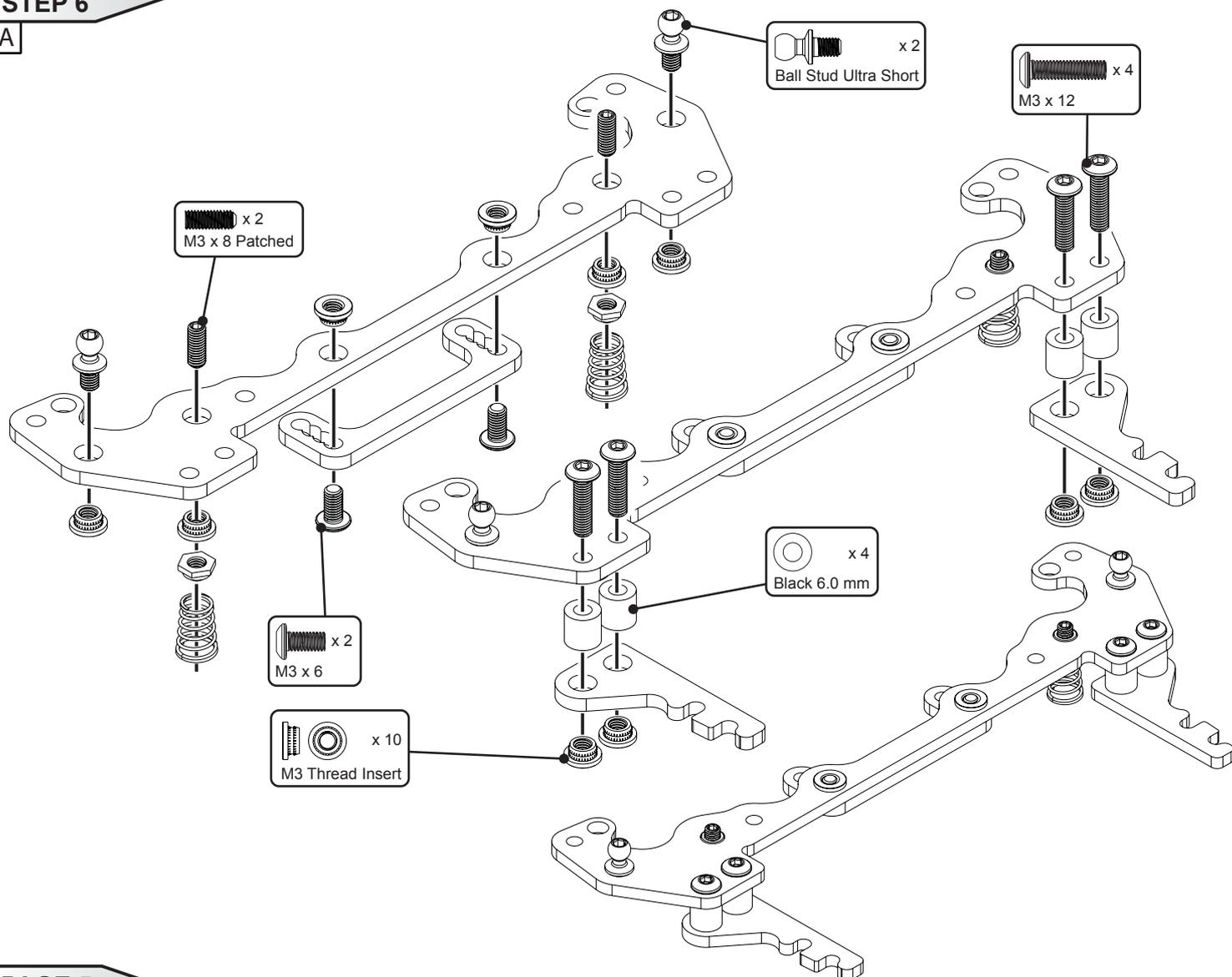


Adjust all 5 M2.5x8 screws to give minimal clearance with no drag, so the pod rotates freely.
DO NOT OVERTIGHTEN



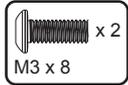
STEP 6

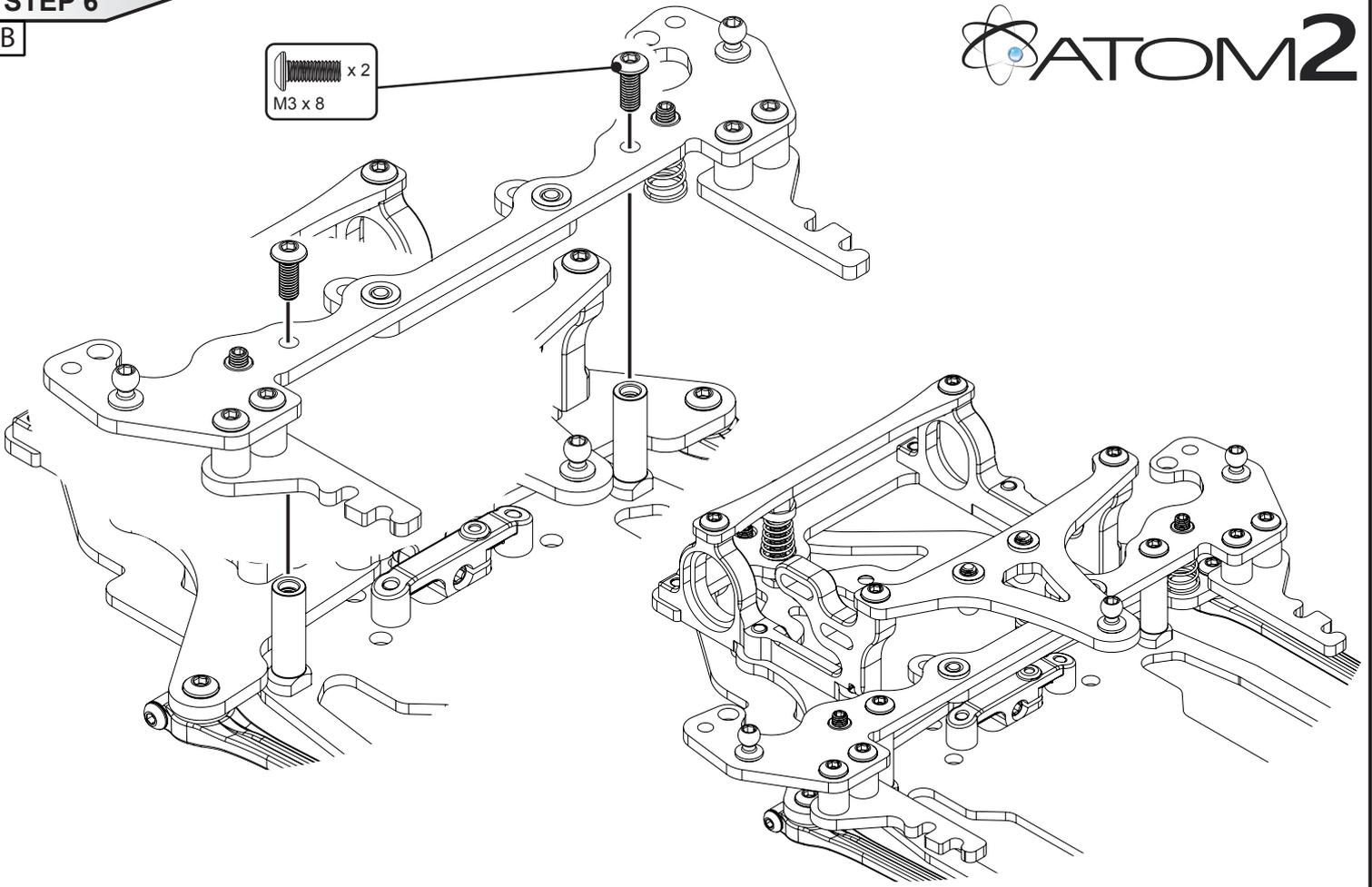
A



STEP 6

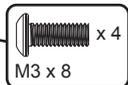
B

 x 2
M3 x 8



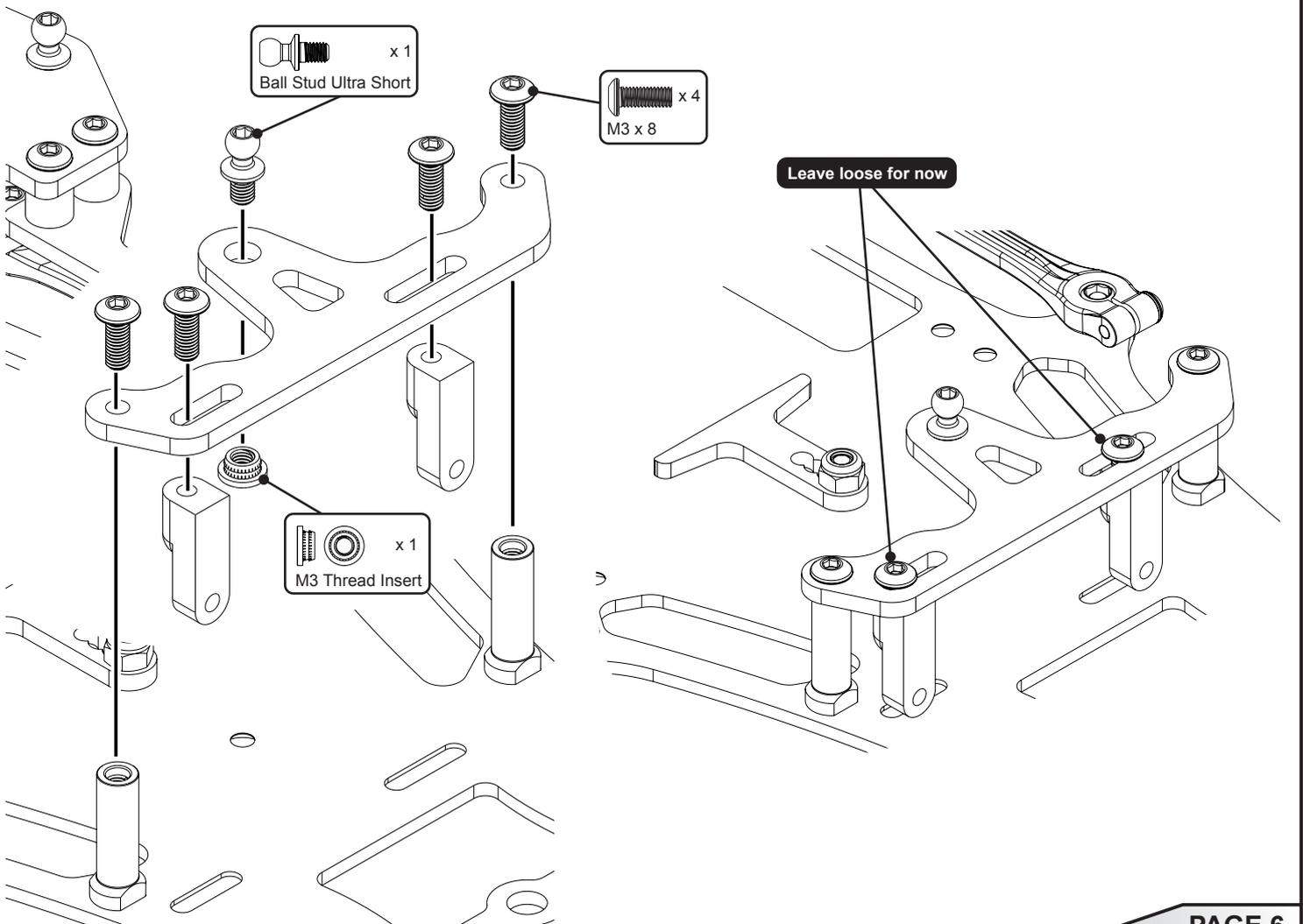
STEP 7

 x 1
Ball Stud Ultra Short

 x 4
M3 x 8

 x 1
M3 Thread Insert

Leave loose for now



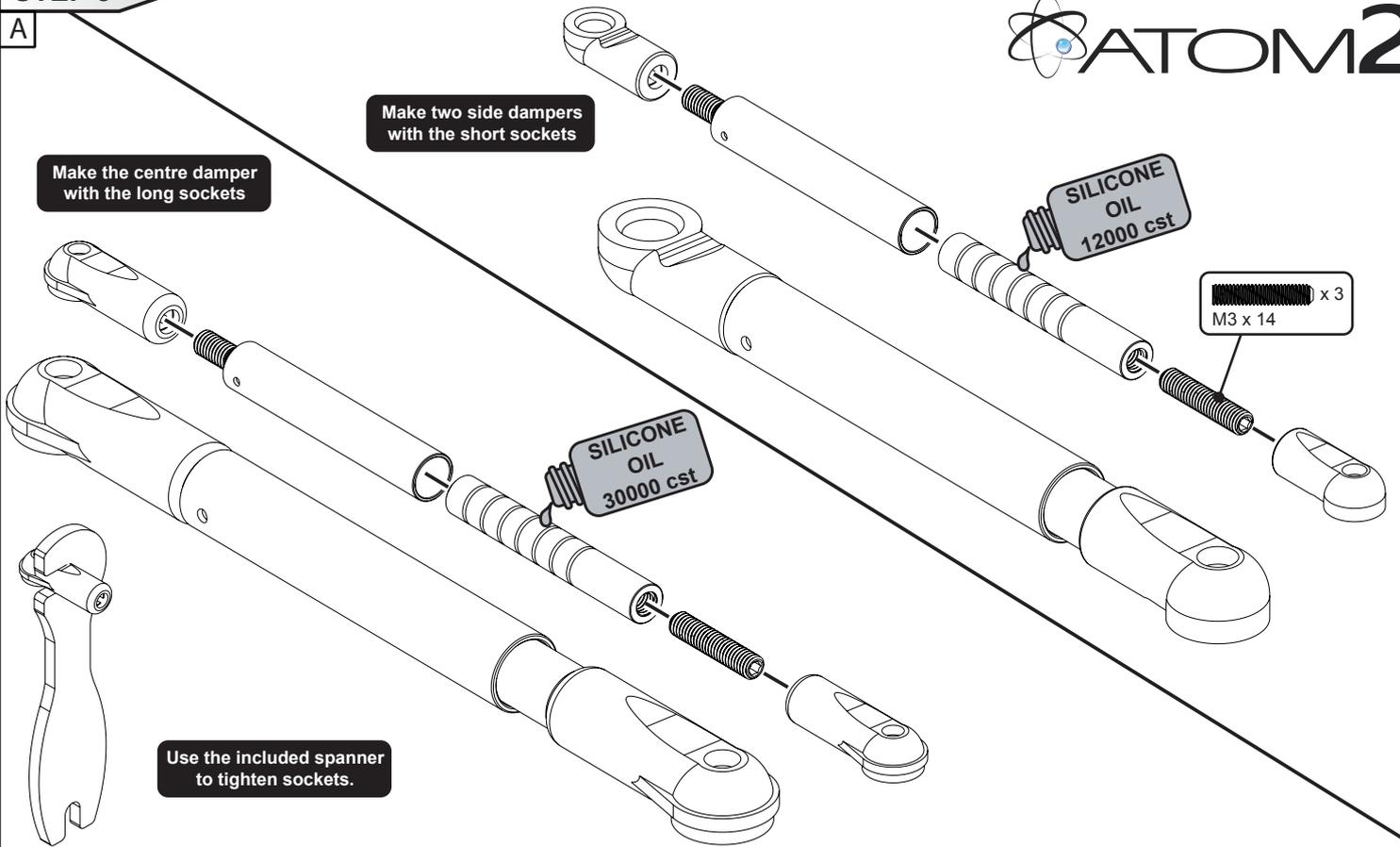
STEP 8

A



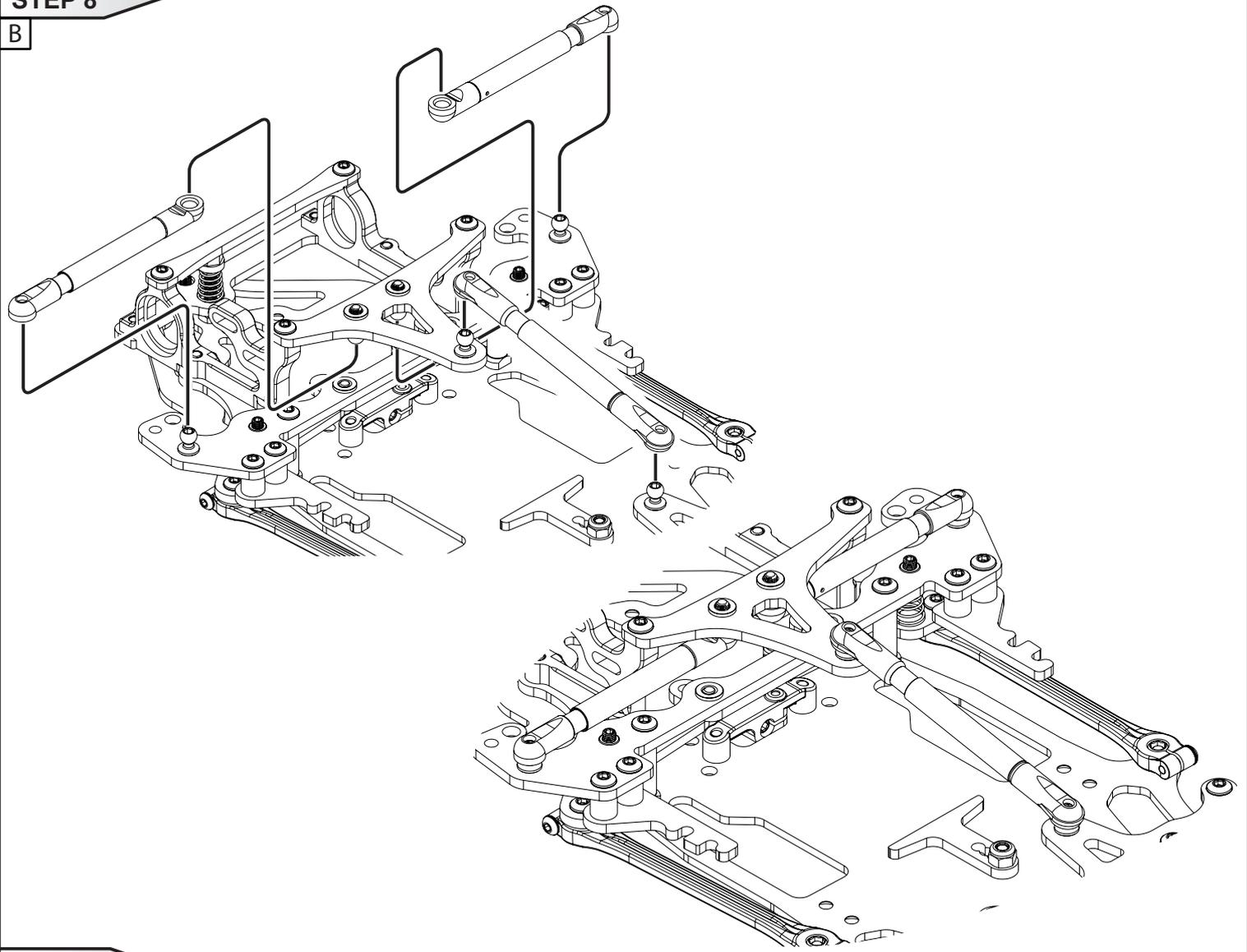
Make two side dampers with the short sockets

Make the centre damper with the long sockets



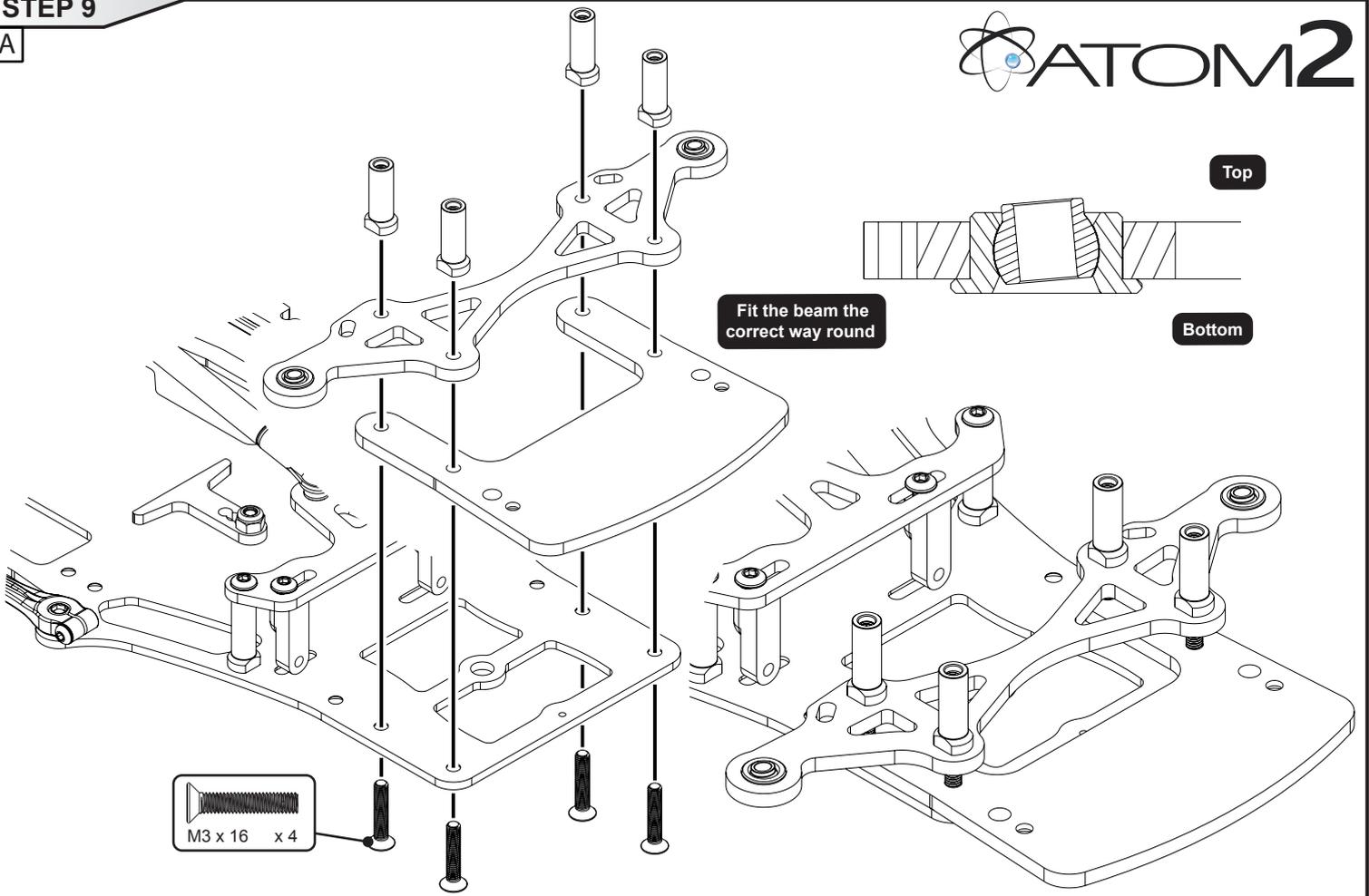
STEP 8

B



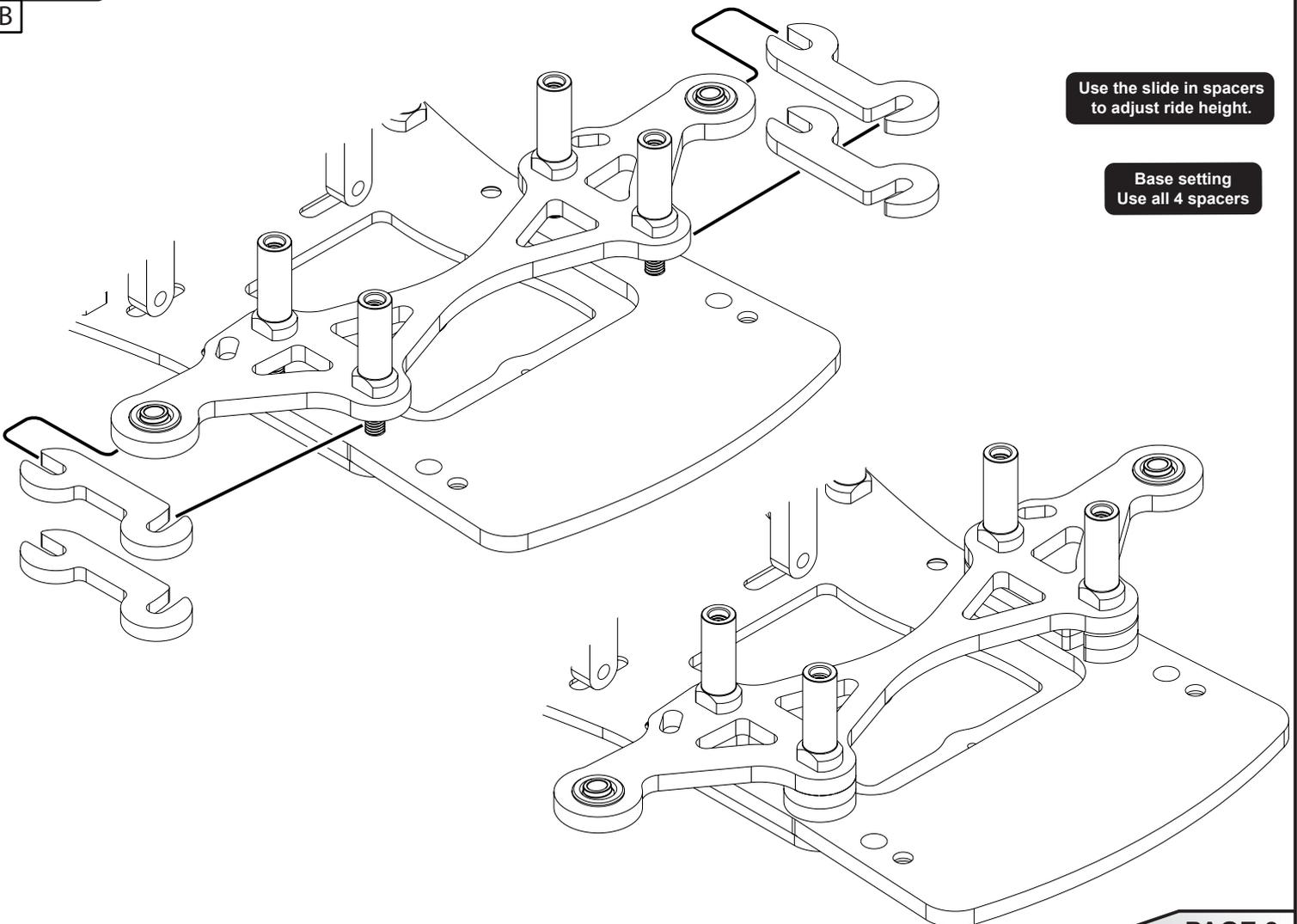
STEP 9

A

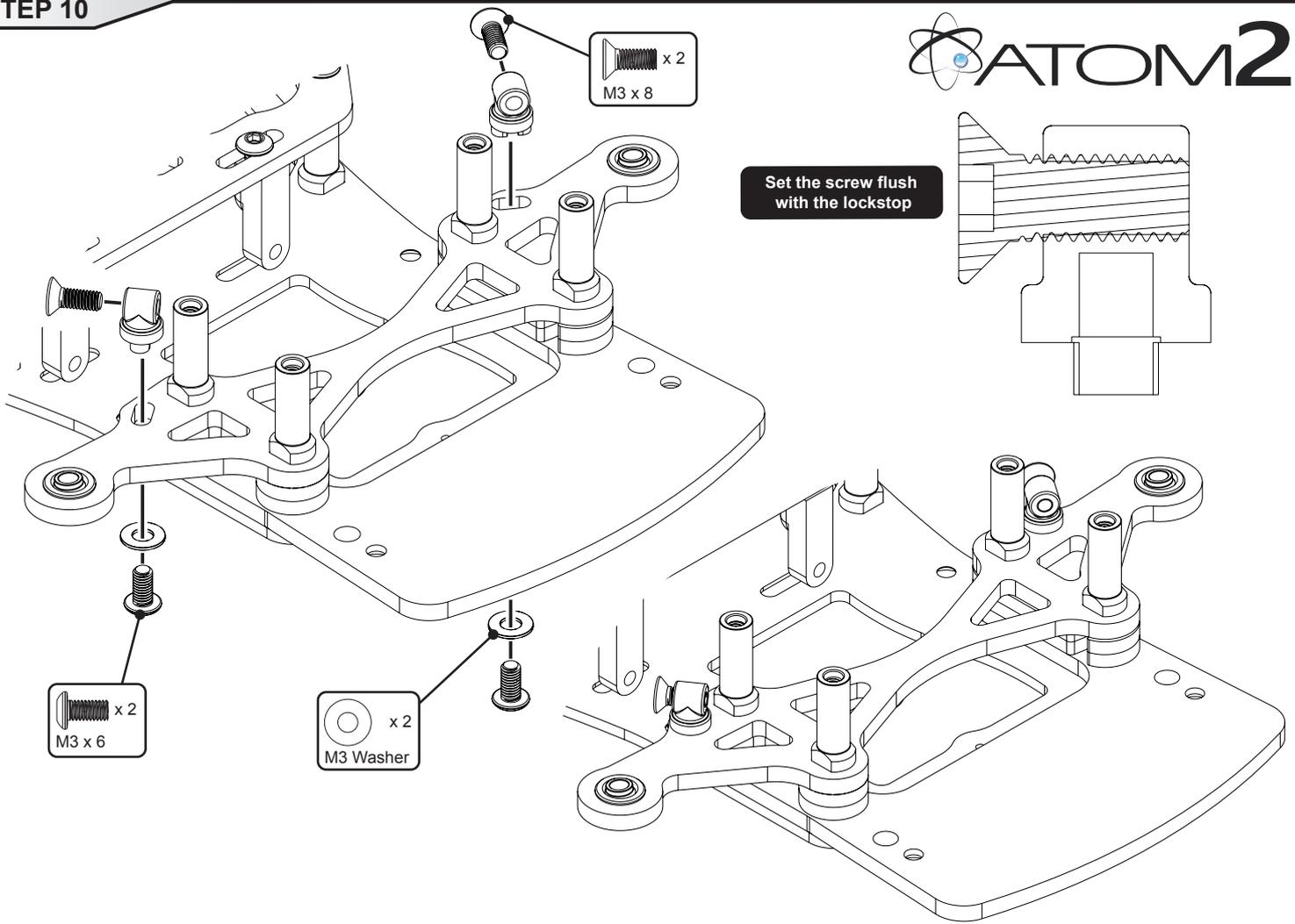


STEP 9

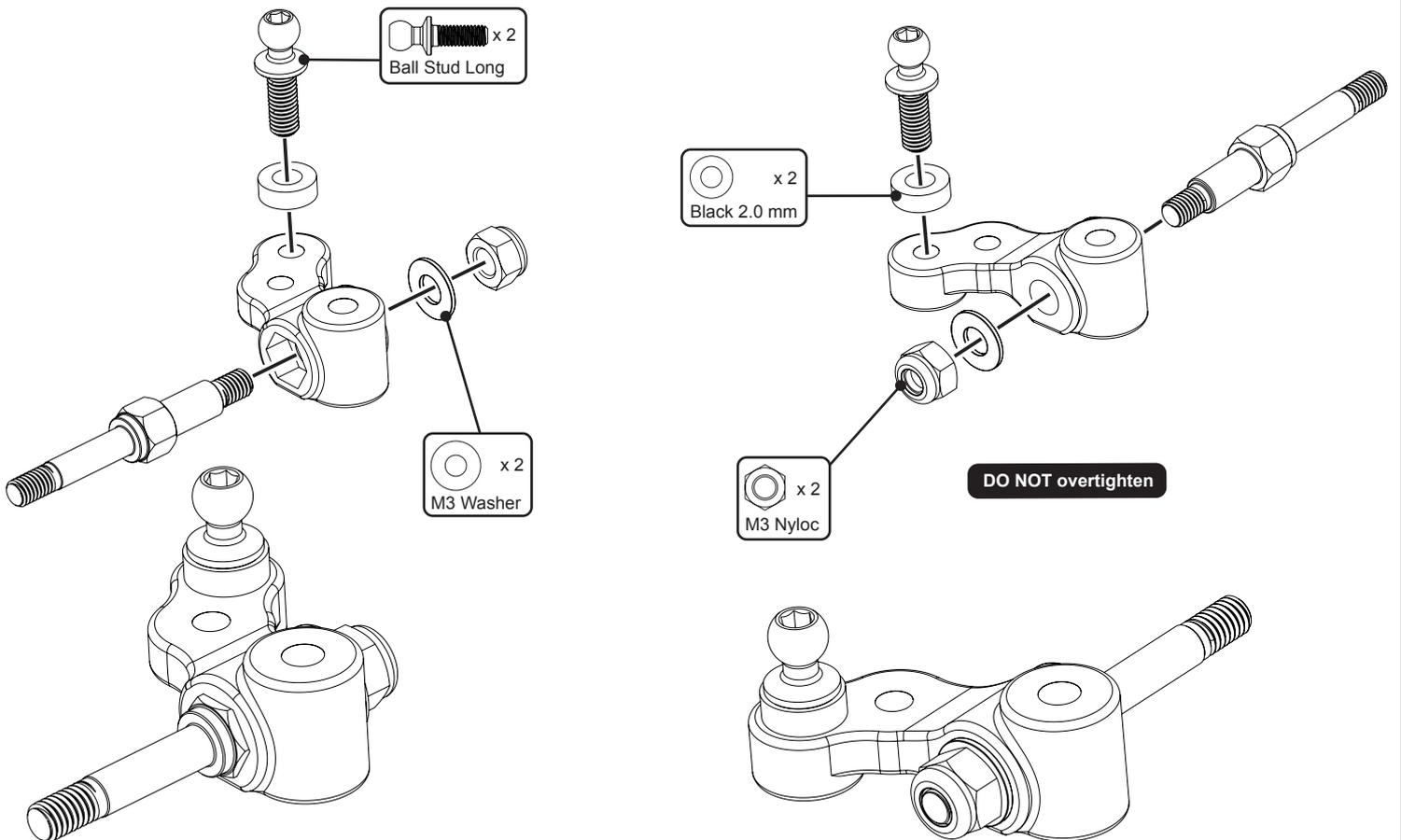
B



STEP 10

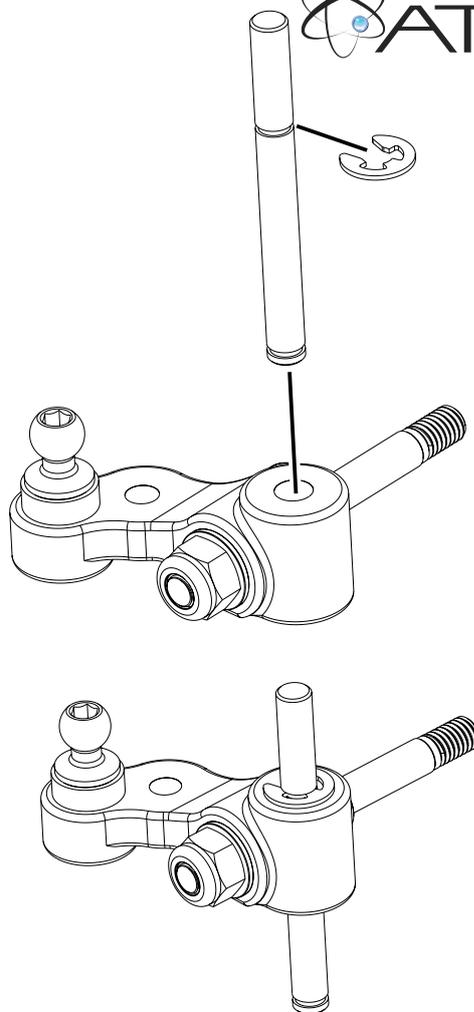
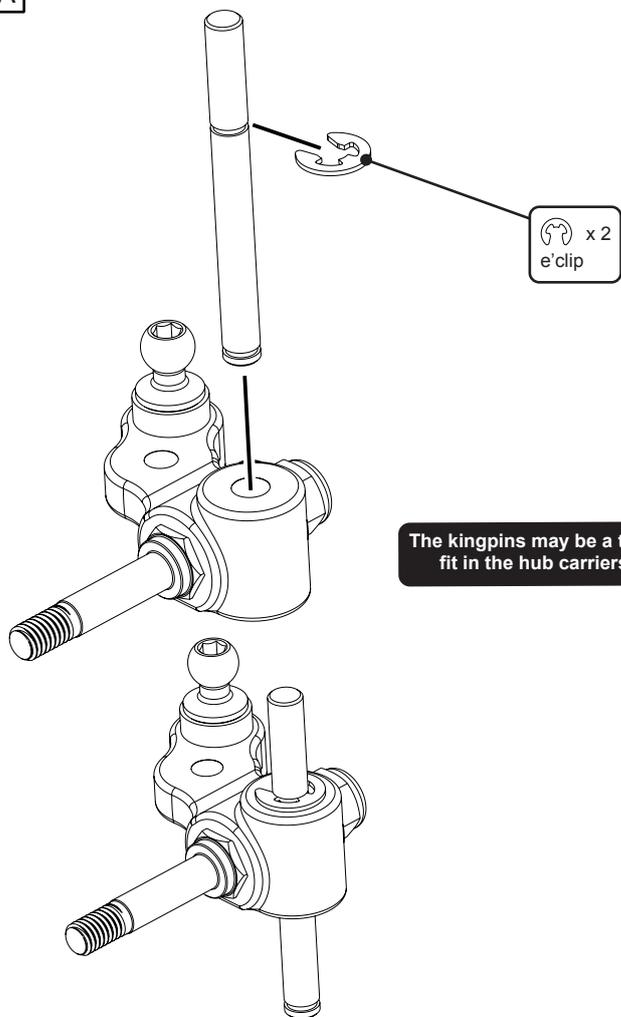


STEP 11



STEP 12

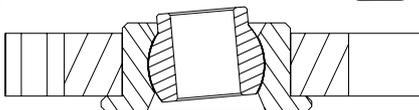
A



STEP 12

B

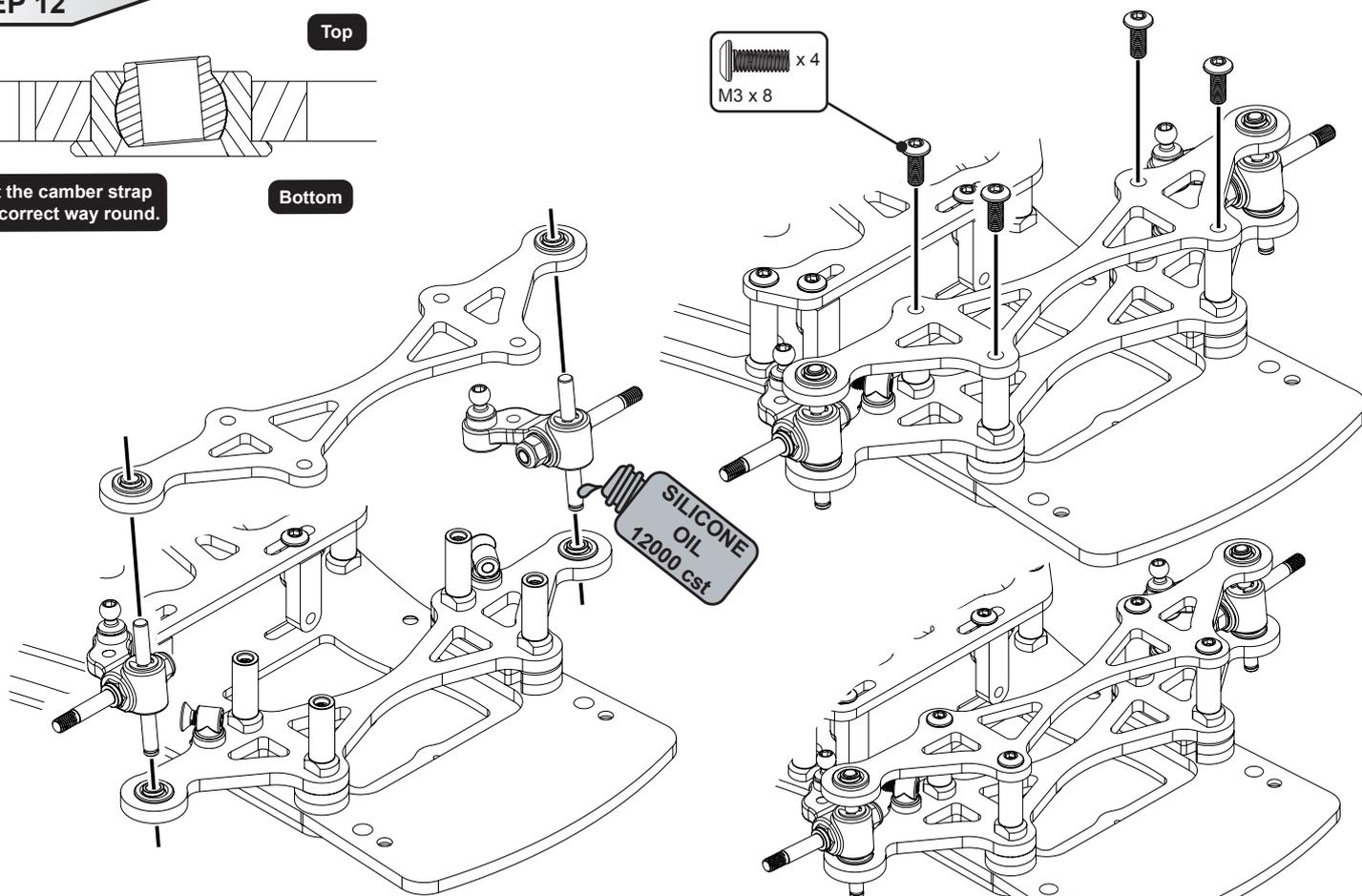
Top



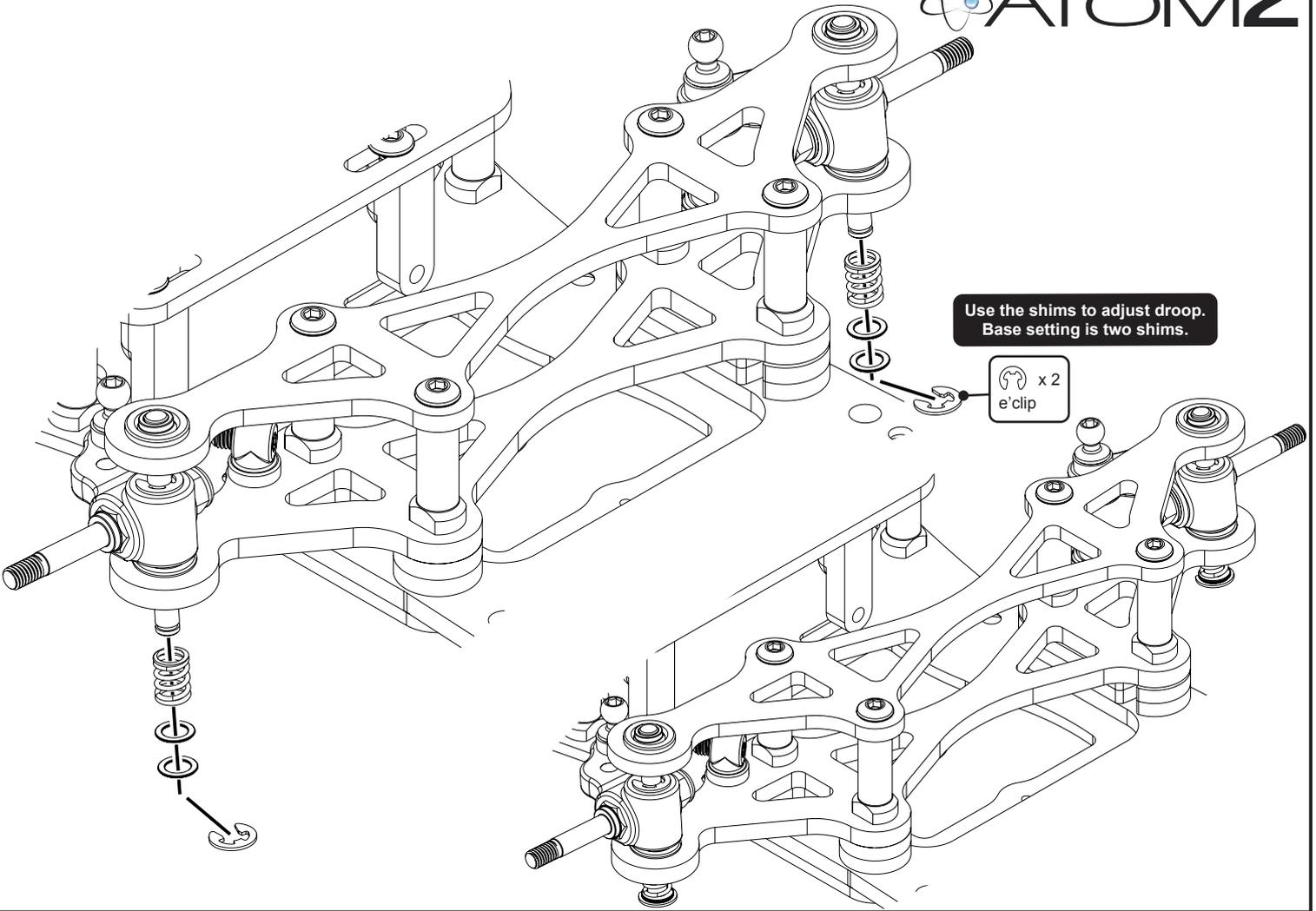
Fit the camber strap the correct way round.

Bottom

x 4
M3 x 8

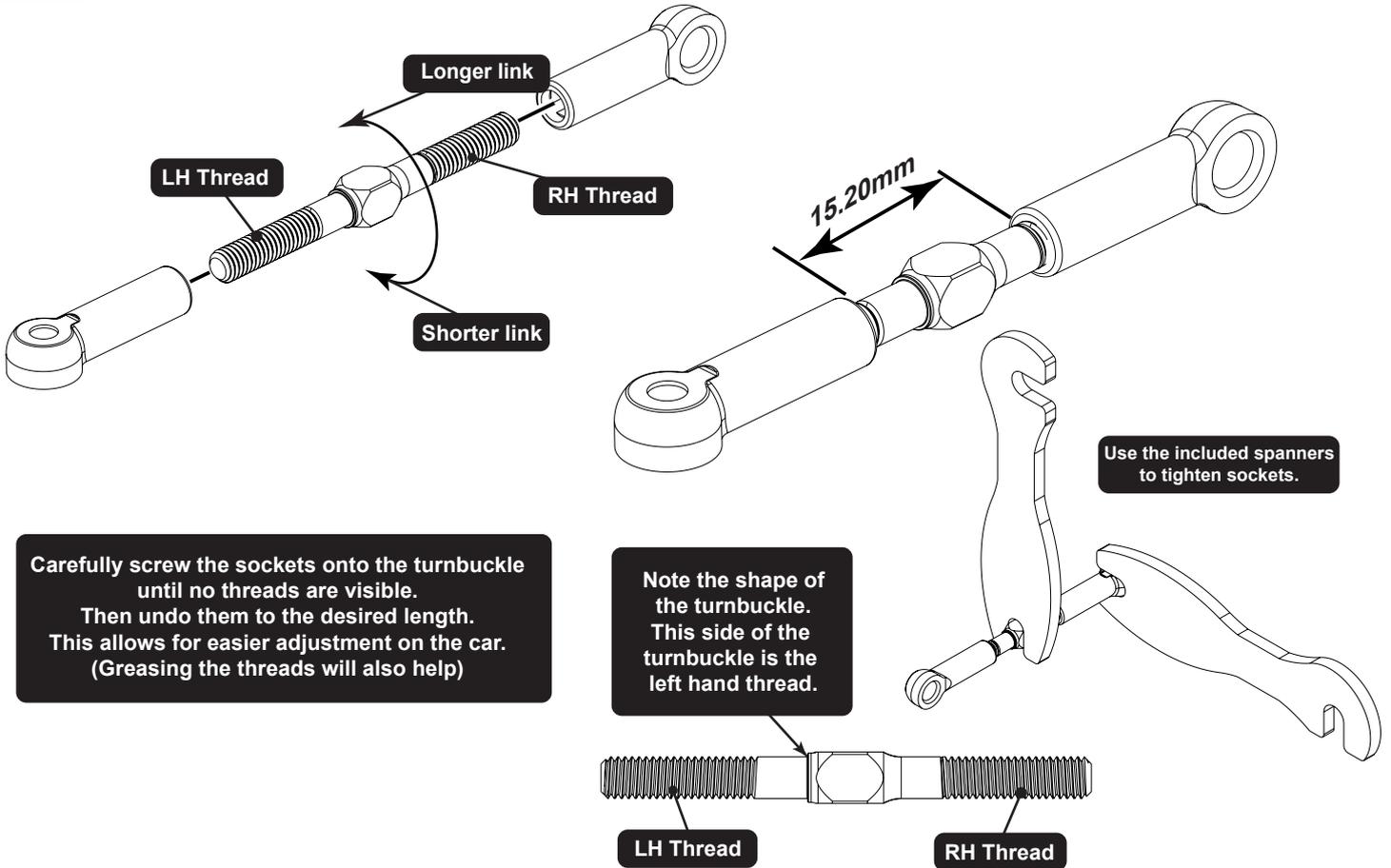


STEP 13



STEP 14

A



STEP 14

B

Servo not included in kit.

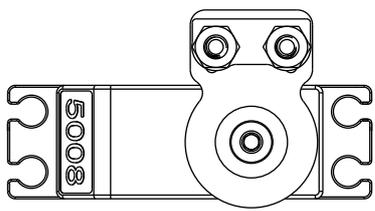
x 2
M3 Washer

x 2
M3 x 8

x 1
M3 x 10

Some components have been hidden for assembly clarification do not disassemble your car

Connect up your radio gear and set the servo to neutral before fitting the servo saver assembly as shown. Then use trim to make the servo saver vertical.



STEP 15

A

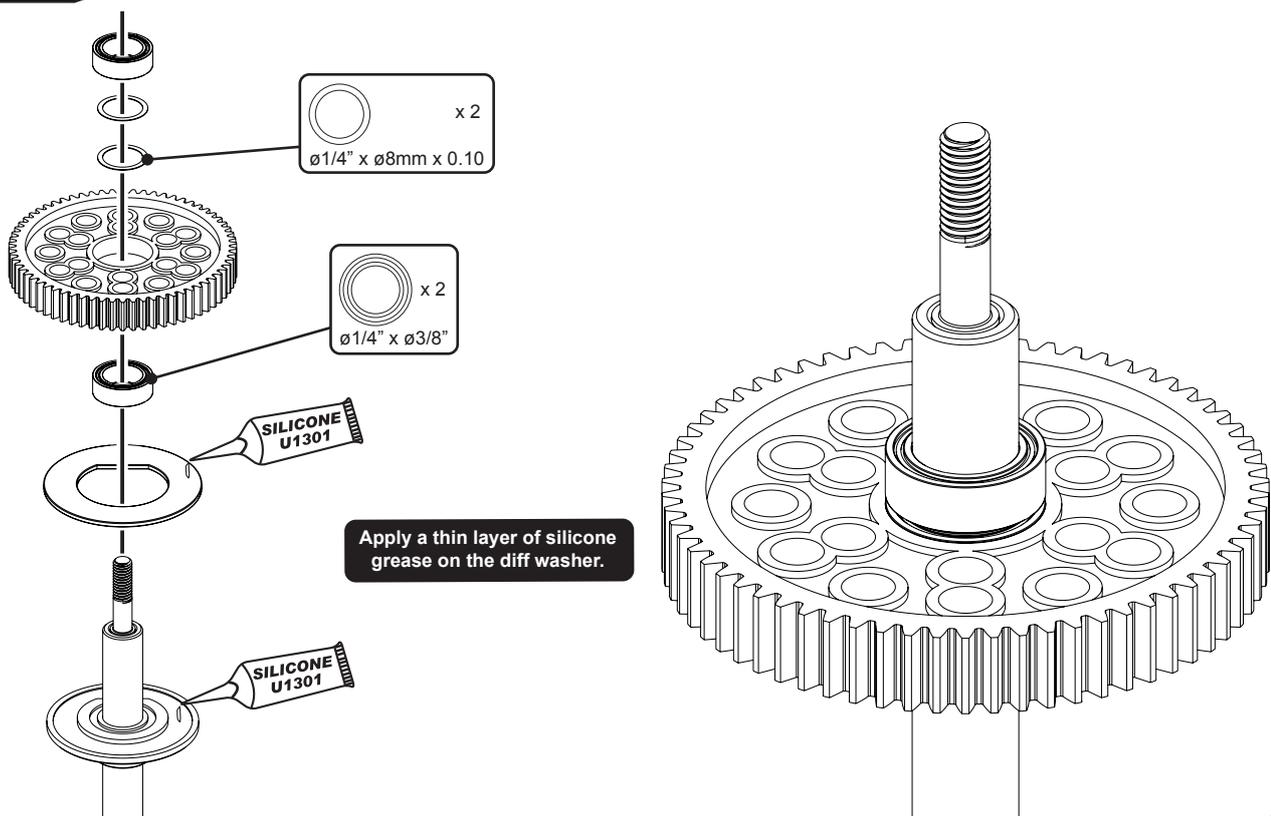
x 2
ø1/4" x ø8mm x 0.10

x 2
ø1/4" x ø3/8"

SILICONE U1301

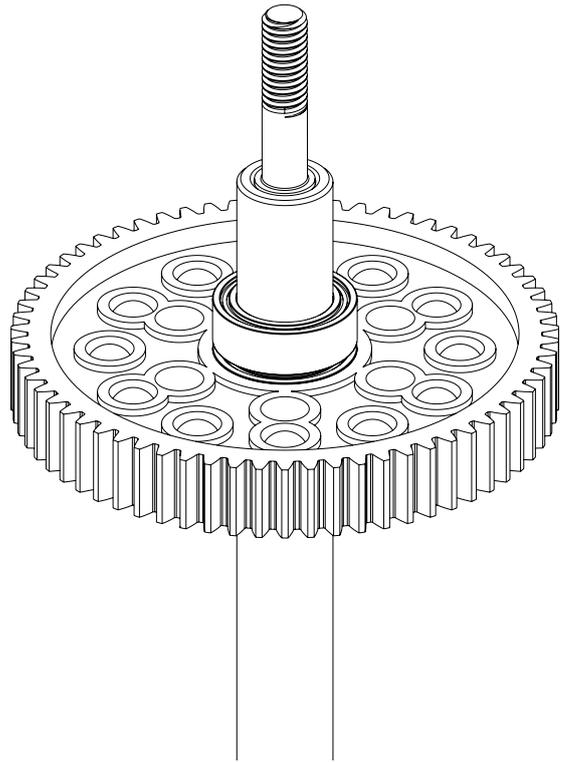
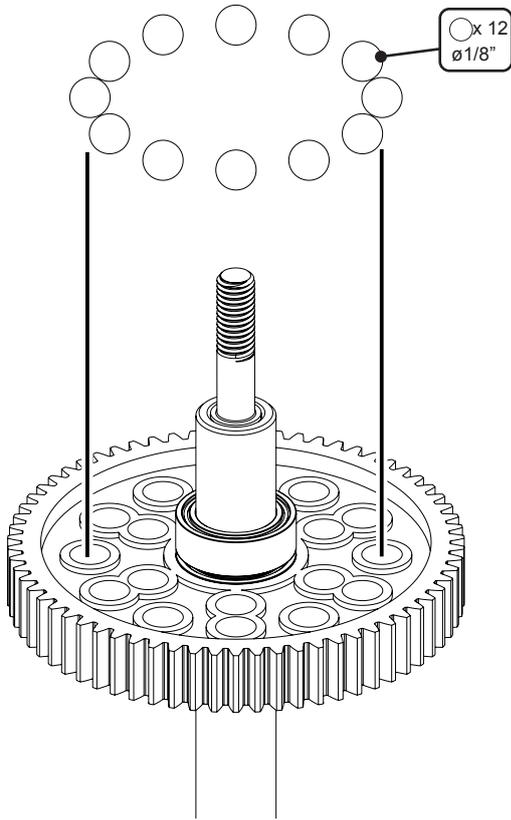
SILICONE U1301

Apply a thin layer of silicone grease on the diff washer.

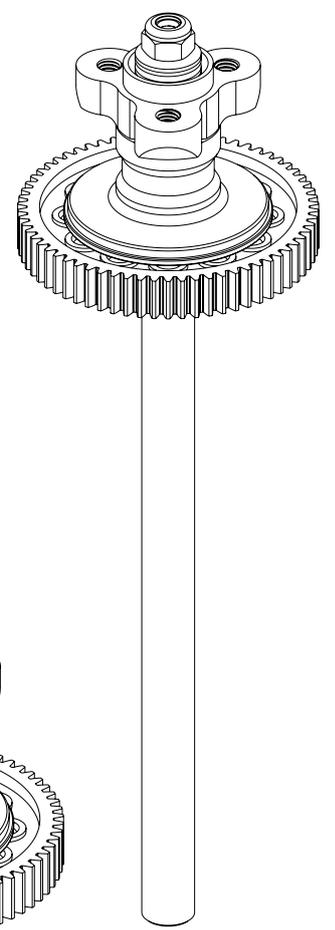
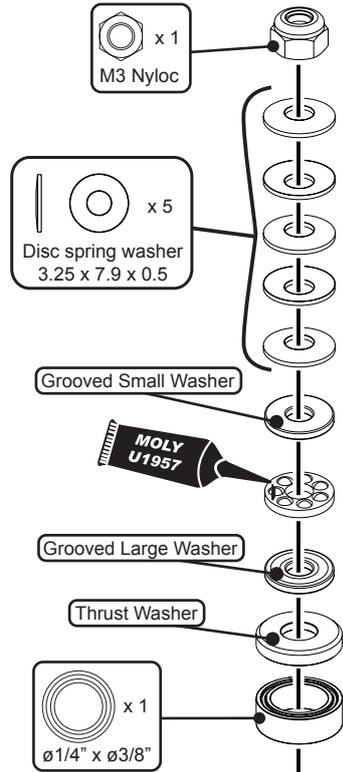
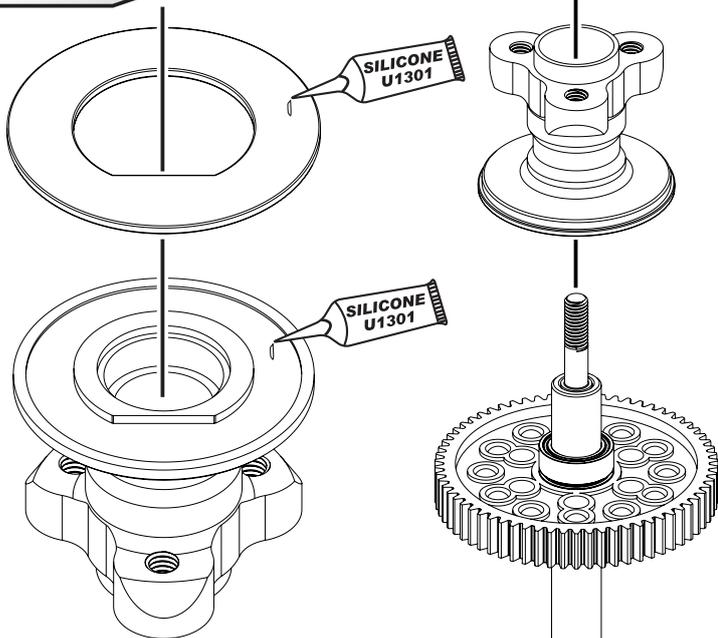


STEP 15

B



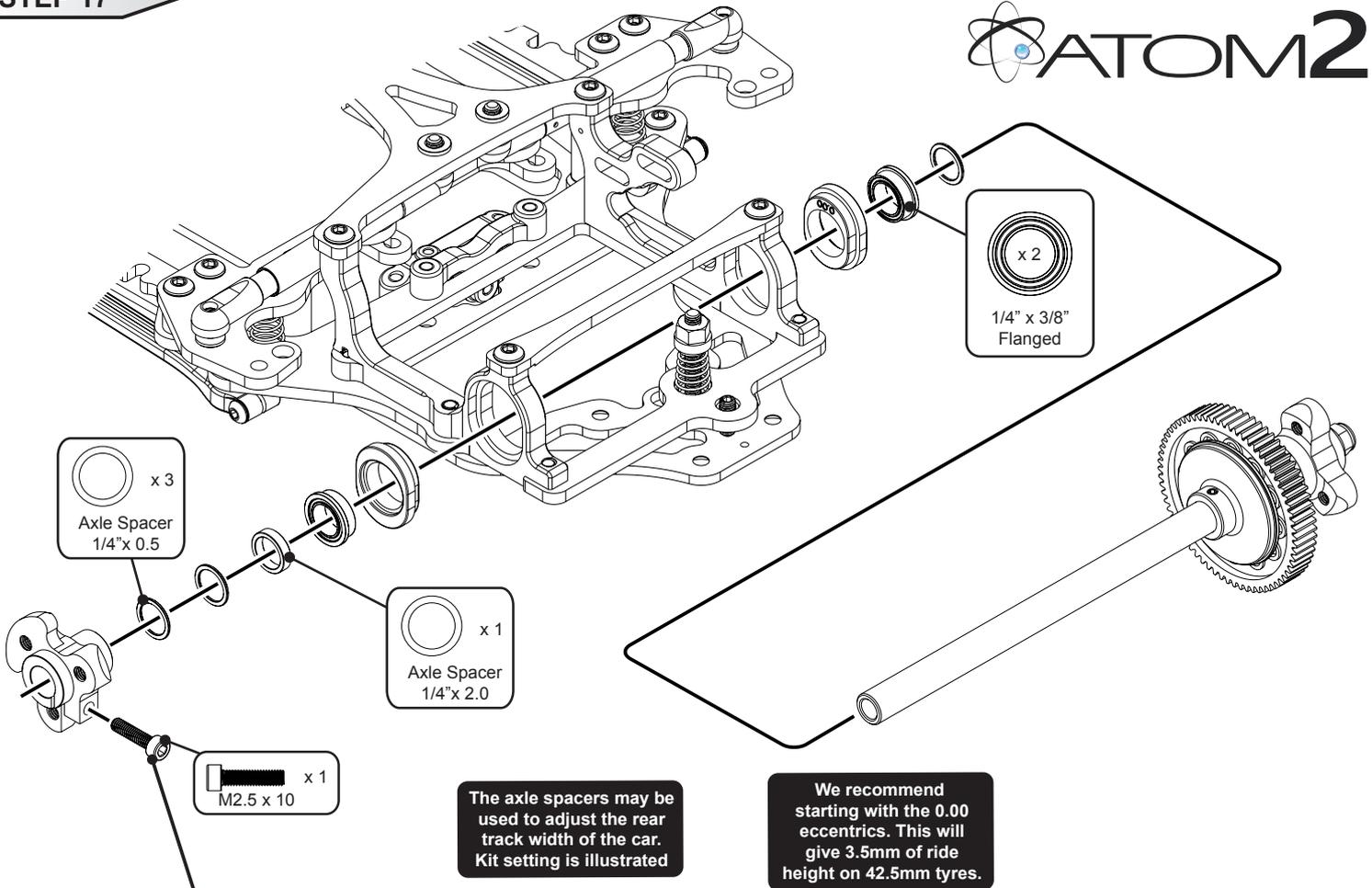
STEP 16



NOTE
Correct thrust washer assembly.

NOTE
Correct disk spring assembly.

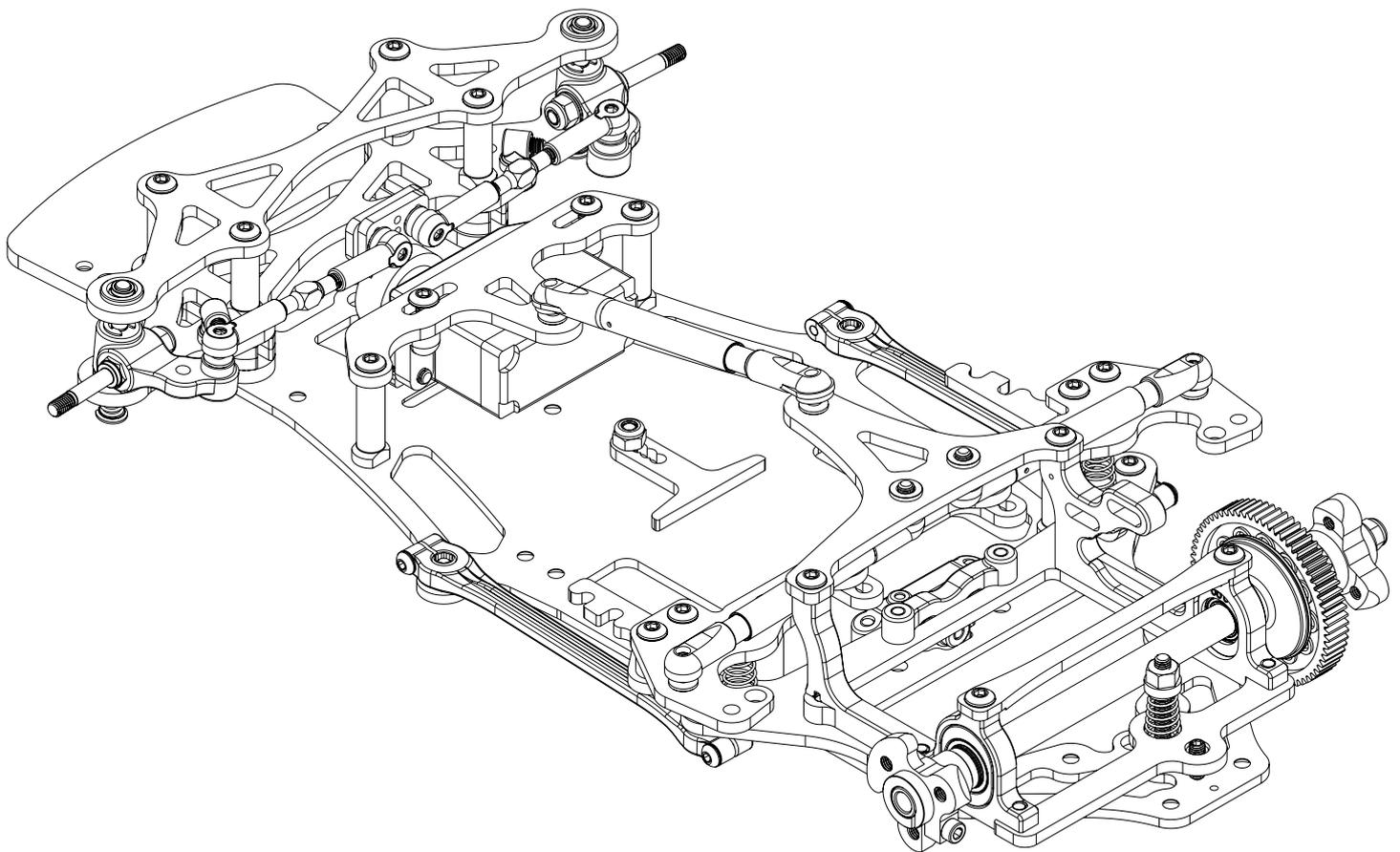
DIFF SETTING
Very gradually tighten the nut until diff action begins. Then tighten the nut 360° more. This setting should be good for most conditions.



After tightening this screw ensure the axle rotates freely with a very small amount of end float.

The axle spacers may be used to adjust the rear track width of the car. Kit setting is illustrated

We recommend starting with the 0.00 eccentrics. This will give 3.5mm of ride height on 42.5mm tyres.





ELECTRIC - SUPASTOX CARS

- K179 Atom 2 - S2 Kit
- K184 Atom 2 - C/F Kit

CHASSIS PARTS

- U119 Aerial Tube - Pack 4
- U4137 Servo Mounts - CAT K1
- U4773 Aerial Mount - CAT K2
- U4950 Body Posts - Eclipse (4pcs)
- U4964 C/F - Pod Rear Brace - Eclipse
- U7870 Hub Carriers - Atom 2 (pr)
- U7873 Lock Stop - Atom 2 (pr)
- U7874 Bumper Support - Atom 2 (pr)
- U7877 Manual - Atom 2
- U7878 Chassis - Atom 2
- U7879 Chassis Post (16mm) - Atom 2 (pr)
- U7882 Foam Bumper - Atom 2
- U7885 LiPo O'Ring - Atom 2 (pr)
- U7892 C/F Camber Strap - Kit - Atom 2
- U7893 S2 Bumper Mount - Atom 2
- U7894 C/F Beam - Atom 2
- U7895 25T Servo Saver Assembly - Atom 2
- U7896 23T Servo Saver Assembly - Atom 2
- U7901 S2 Beam - Atom 2
- U7902 S2 Servo Mount + Front Height Spacers - Atom 2
- U7903 S2 Camber Strap - Kit - Atom 2
- U7904 S2 Rear Spring Hanger - Atom 2
- U7905 S2 Pod Parts - Atom 2
- U7906 S2 Multi Mount - Atom 2
- U7907 S2 LiPo Stop - Atom 2
- U7908 C/F Bumper Mount - Atom 2
- U7909 C/F Ride Height Spacer - Atom 2 (pk4)
- U7910 C/F Servo Mount - Atom 2
- U7911 C/F Front LiPo Stop - Atom 2
- U7912 C/F Side LiPo Stop - Atom 2 (pr)
- U7913 C/F Rear Lipo Stop - Atom 2
- U7914 C/F Multi Mount - Atom 2
- U7915 C/F Pod Base - Atom 2
- U7916 C/F Shock Mount - Atom 2
- U7917 C/F Rear Spring Hanger - Atom 2

BODYSHELLS AND DECALS

- CR258 Body Repair Tape - 50mm x 1Mtr
- G888 SupaStox GT12 Type A Body
- G890 SupaStox Hot Hatch Type TS
- G891 SupaStox Hot Hatch Type RC
- G892 SupaStox Hot Hatch Type P2
- G893 SupaStox Hot Hatch Type FF
- G894 SupaStox Touring Type M6
- G898 SupaStox GT12 Body - Type AM
- G902 SupaStox GT12 Body - Type F
- G903 SupaStox GT12 Body - Type AU
- G904 SupaStox GT12 Body - Type A - Light Weight
- G905 SupaStox GT12 Body - Type F - Light Weight
- G906 SupaStox GT12 Body - Type L
- G907 GT12 Body Type PGT3
- G908 GT12 Body Type PGT3 Lightweight
- MT018001 Montech GT12 Body - MLGT3
- MT018012 Montech - LTS-GT Body
- MT018012L Montech - LTS-GT Light Weight Body
- U3478 Decal sheet - Schumacher and racing-cars.com (pk3)
- U7876 Decals - Atom 2 (pk3)

SUSPENSION

- U4254 Ball Grippa Sockets Pro - Mi5 - pk8
- U4298 Turnbuckle HT - 35mm - pr
- U4302 Ball Socket Short (Black) - Mi5 - pk4
- U4627 Chassis Post Long - SS GT/At/Ecl
- U4629 Damper Piston - SS GT/At/Ecl
- U4630 Damper Unit - SS GT/At/Ecl
- U4631 Damper Tube - SS GT/At/Ecl
- U4838 Rear Springs Black - Soft - At/Ecl - pr
- U4839 Rear Springs Silver - Med/Soft - At/Ecl - pr
- U4840 Rear Springs Gold -Med/Hard - At/Ecl - pr
- U4841 Rear Springs Nickel - Hard - At/Ecl - pr
- U4846 Spring Tuning Set Rear - At/Ecl
- U4847 Rear Spring Seat - At/Ecl
- U4851 Side Spring Seat (pr) - Atom/Eclipse
- U4968 Ball Sockets Low Profile -Eclipse - pk4
- U4972 Ride Height Adjusters- 0.00, 0.50, 1.00, 1.50 4prs
- U4973 Ride Height Adjusters- 0.25, 0.75, 1.25, 1.75 4prs

SUSPENSION CONT...

- U7302 Low Profile Front Axle - Atom / CC
- U7322 Rear Spring Red Dot-Hard/Ultra-Atom/Eclipse-pr
- U7323 Rear Spring Black - Ultra - Atom/Eclipse - pr
- U7787 Shock Top Ball Dia 5.5mm - Mi7 (pk4)
- U7833 Ball Stud Low (Short) (pk4)
- U7871 Pivot Mouldings - Atom 2
- U7872 Side Link - Atom 2 (pr)
- U7880 King Pin - Atom 2 (pr)
- U7881 Front End Ball Assembly - Atom 2 (pr)
- U7886 Front Spring Black Soft - Atom 2 (pr)
- U7887 Front Spring Silver Medium - Atom 2 (pr)
- U7888 Front Spring Green Hard - Atom 2 (pr)
- U7889 Front Spring Gold Super Hard - Atom 2 (pr)
- U7890 Front Spring Tuning Set - Atom 2

TRANSMISSION

- CR508 Kimbrough - Precision Gear 64T-48DP-#300
- U1954 Pro - Thrust Bearing
- U4112 S/Steel Shims 1/4x5/16x0.004-SS/At/Ecl
- U4853 LH Drive Clamp - Atom
- U4855 Diff Washer - Atom/Eclipse - pr
- U4856 RH Washer Carrier - Atom
- U4861 Diff Rebuild Kit - Atom/Eclipse
- U7483 Trans Housing LH - Eclipse 2
- U7484 Trans Housing RH - Eclipse 2
- U7883 Steel Diff Axle - Atom 2
- U7899 Diff Spacer Set - Atom 2

PINIONS

- CR4815 Pinion Gear 48DP 15T (7075 Hard)
- CR4816 Pinion Gear 48DP 16T (7075 Hard)
- CR4817 Pinion Gear 48DP 17T (7075 Hard)
- CR4818 Pinion Gear 48DP 18T (7075 Hard)
- CR4819 Pinion Gear 48DP 19T (7075 Hard)
- CR4820 Pinion Gear 48DP 20T (7075 Hard)
- 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)
- U3414 Pinion; Hard Alloy 48dp - 14T
- U3415 Pinion; Hard Alloy 48dp - 15T
- U3416 Pinion; Hard Alloy 48dp - 16T
- U3417 Pinion; Hard Alloy 48dp - 17T
- U3418 Pinion; Hard Alloy 48dp - 18T
- U3419 Pinion; Hard Alloy 48dp - 19T
- U3420 Pinion; Hard Alloy 48dp - 20T
- U3421 Pinion; Hard Alloy 48dp - 21T
- U3422 Pinion; Hard Alloy 48dp - 22T
- U3423 Pinion; Hard Alloy 48dp - 23T
- U3424 Pinion; Hard Alloy 48dp - 24T
- U3425 Pinion; Hard Alloy 48dp - 25T
- U3426 Pinion; Hard Alloy 48dp - 26T
- U3427 Pinion; Hard Alloy 48dp - 27T
- U3428 Pinion; Hard Alloy 48dp - 28T
- U3429 Pinion; Hard Alloy 48dp - 29T
- U3430 Pinion; Hard Alloy 48dp - 30T
- U3431 Pinion; Hard Alloy 48dp - 31T
- U3432 Pinion; Hard Alloy 48dp - 32T
- U3433 Pinion; Hard Alloy 48dp - 33T
- U3434 Pinion; Hard Alloy 48dp - 34T
- U3435 Pinion; Hard Alloy 48dp - 35T
- U3436 Pinion; Hard Alloy 48dp - 36T

BEARINGS AND BALLS

H1031 Bearing Blaster Aerosol 500ml
 U1300 Axle Grease - Pot
 U1301 Silicone Diff Lube - Pot
 U1957 Moly Grease - Pot 5ml
 U4808 1/8 Chrome Steel Ball -At/Ecl - pk12"
 U4809 Ball Bearing - 1/4x3/8x1/8 Shield - (pr)
 U4811 1/8 Silicone Nitride Ball (pk12)"
 U4812 Ceramic Bearing 1/8x5/16x9/64 Flanged (pr)
 U4979 Ceramic Bearing 1/4 x 3/8 x 1/8 Flanged (pr)
 U4980 Ball Bearing - 1/4x3/8x1/8 Flanged Yellow - (pr)
 U4981 Ball Bearing-1/8x5/16 Flanged Yellow -(pr)
 U7690 Pro Ball Bearings 1/4 x 3/8 x 1/8 FI Shielded
 U7691 Pro Ball Bearings 1/8 x 5/16 x 9/64 FI Shielded

SPEED PACKS

CR517 M3 Alloy Nyloc Nuts-Low Profile-Black pk10
 CR638 Rubber Body Clip Pulls - pk12
 U1550 SPEED PK-Socket Wrenches-1.5/2.0/2.5/3.0mm
 U1551 SPEED PACK - E Clips -2 x 8pcs
 U1552 SPEED PACK - R Clips
 U1606 SPEED PACK - Servo Tape - 30pk
 U2128 SPEED PACK - Grub-Set Screws M3 M4
 U3021 SPEED PACK - M3x6 Csk Hd - (pk10)
 U3022 SPEED PACK - M3x8 Csk Hd - (pk10)
 U3023 SPEED PACK - M3x10 Csk Hd - (pk10)
 U3572 SPEED PACK - M3x14 Grub Screw pk4
 U3938 SPEED PACK - Black nylon washer 2mm (pk 10)
 U4241 SPEED PACK - M3 Alloy Nyloc Nuts - Black - pk10
 U4273 Pro Ball Stud Ultra Short - pk4
 U4274 Pro Ball Stud Short - pk4
 U4275 Pro Ball Stud Long - pk4
 U4314 SPEED PACK - Alloy Black M3 Washers - 18pc
 U4351 SPEED PACK - Shims 3.2x6x0.1mm - pk8
 U4650 SPEED PACK - M3 Nyloc Nut Steel - Black (10pcs)
 U4837 SPEED PACK M2.5x10 Cap Hd (pk8)
 U4862 Black Alloy Washers 0.50mm (pk12)
 U4984 SPEED PACK M3 Alloy Nuts - Black - pk10
 U4987 SPEED PACK Needle Roller 1.5x11.8 (pk8)
 U7102 SPEED PACK - M3x4 Button Hd (pk10)
 U7103 SPEED PACK - M3x6 Button Hd (pk10)
 U7104 SPEED PACK - M3x8 Button Hd (pk10)
 U7105 SPEED PACK - M3x10 Button Hd (pk10)
 U7106 SPEED PACK - M3x12 Button Hd (pk10)
 U7112 SPEED PACK - M3x8 Cap Hd (pk10)
 U7113 SPEED PACK - M3x10 Cap Hd (pk10)
 U7123 SPEED PACK - M3x16 Csk Hd (pk10)
 U7125 SPEED PACK - M3x25 Csk 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)
 U7884 M3x6 Grub Screw Dome End (pk4)
 U7898 Black 6mm Spacer (pk4)
 U7900 SPEED PACK Needle Roller 1.5x9.8 (pk10)

SPEED SECRET - OPTION PARTS

CR280 Ti Pro Ball Studs - Short - (pr)
 CR281 Ti Pro Ball Studs - Ultra Short - (pr)
 CR282 Ti Pro Ball Studs - Long - (pr)
 CR510 Kimbrough - Spur Gear 66T - 48DP - #301
 CR511 Kimbrough - Spur Gear 69T - 48DP - #150
 CR512 Kimbrough - Spur Gear 72T - 48DP - #143
 CR664 Alloy Motor Spacer - 1mm - pk2
 CR724 GT12 Carbon Spool Axle + Clamp
 U3582 Precision Balance Pivot Set
 U4057 Spur Gear 48DP - 70T - SS GT
 U4327 Alloy Servo Mount Black - K1/Mi5
 U4970 Rear Axle - Eclipse
 U7298 Alloy Rear Wheel Screws - Atom/Eclipse (pk6)
 U7315 Titanium Turnbuckle - 35mm - Silver - pr
 U7453 30/40mm Fan Mount Kit - ATOM
 U7825 Titanium Pivot Ball 5.5mm Low (pr)
 U7829 Titanium Ball Stud Low (Short) (pk4)
 U7875 Chassis Skin - Atom 2
 U7897 Alloy Pivot Spacer 1mm - Atom 2 (pr)
 U7918 Alloy Pivot Mount - Atom 2
 U7919 Alloy Pivot Block - Atom 2
 U7920 Alloy Ride Height Spacer 0.5mm - Atom 2 (pk4)
 U7921 Alloy Ride Height Spacer 0.75mm - Atom 2 (pk4)
 U7922 C/F Camber Strap (1 Dot) - Atom 2

SPEED SECRET - OPTION PARTS CONT....

U7923 C/F Camber Strap (2 Dot) - Atom 2
 U7924 C/F Camber Strap (3 Dot) - Atom 2

TYRE ADDITIVE

LRP65011 Top Grip Carpet 2
 LRP65012 Top Grip Carpet 3 Tyre Traction
 MR33-0002 MR33 No 1 Black Indoor/Outdoor Tyre Additive
 NR96010 NOSRAM Traction additive carpet
 SXT00030 SXT 3.0 Traction Compound Additive

TEAM MERCHANDISE

CR298 CORE RC Hauler Bag
 G338 2 Tone Beanie Knitted Hat
 G339L Jacket - 3 Layer Softshell; Black - L 44inch
 G339M Jacket - 3 Layer Softshell; Black - M 41inch
 G339S Jacket - 3 Layer Softshell; Black - S - 38inch
 G339XL Jacket - 3 Layer Softshell; Black - XL 46inch
 G339XS Jacket - 3 Layer Softshell; Black - XS - 34inch
 G339XXL Jacket - 3 Layer Softshell; Black - XXL 48inch
 G339XXXL Jacket - 3 Layer Softshell; Black - XXXL 50inch
 G346L Schumacher Gilet - Frost Grey - Large
 G346M Schumacher Gilet - Frost Grey - Medium
 G346XL Schumacher Gilet - Frost Grey - X-Large
 G346XXL Schumacher Gilet - Frost Grey - XX-Large
 G347L Schumacher Arrows" T-Shirt - Large"
 G347M Schumacher Arrows" T-Shirt - Medium"
 G347S Schumacher Arrows" T-Shirt - Small"
 G347XL Schumacher Arrows" T-Shirt - X-Large"
 G347XS Schumacher Arrows" T-Shirt - X-Small"
 G347XXL Schumacher Arrows" T-Shirt - XXL"
 G347XXS Schumacher Arrows" T-Shirt - XX-Small"
 G347XXXL Schumacher Arrows" T-Shirt - XXXL"
 G347XXXXL Schumacher Arrows" T-Shirt - XXXXL"
 G347XXXXXL Schumacher Arrows" T-Shirt - XXXXXL"
 G347XXXXXXL Schumacher Arrows" T-Shirt - XXXXXXL"
 G348L Schumacher Arrows" Hoody - Large"
 G348M Schumacher Arrows" Hoody - Medium"
 G348S Schumacher Arrows" Hoody - Small"
 G348XL Schumacher Arrows" Hoody - XL"
 G348XS Schumacher Arrows" Hoody - XS"
 G348XXL Schumacher Arrows" Hoody - XXL"
 G348XXXL Schumacher Arrows" Hoody - XXXL"
 G349L Schumacher Arrows" Zipped Hoody - Large"
 G349M Schumacher Arrows" Zipped Hoody - Medium"
 G349S Schumacher Arrows" Zipped Hoody - Small"
 G349XL Schumacher Arrows" Zipped Hoody - XL"
 G349XXL Schumacher Arrows" Zipped Hoody - XXL"
 G350L Schumacher Arrows" Polo Shirt-Large"
 G350M Schumacher Arrows" Polo Shirt-Medium"
 G350S Schumacher Arrows" Polo Shirt-Small"
 G350XL Schumacher Arrows" Polo Shirt-XL"
 G350XXL Schumacher Arrows" Polo Shirt-XXL"
 G350XXXL Schumacher Arrows" Polo Shirt-XXXL"
 G350XXXXL Schumacher Arrows" Polo Shirt-XXXXL"
 G350XXXXXL Schumacher Arrows" Polo Shirt-XXXXXL"
 G355 Schumacher Hauler Bag
 G356 Handle for Hauler Bag
 G357 Small Drawer for Hauler Bag
 G358 Medium Drawer for Hauler Bag
 G359 Large Drawer for Hauler Bag
 G360 Schumacher Snapback Flatbill Cap-Heather
 G361 Schumacher Flexfit Cap S/M - Grey
 G362 Schumacher Flexfit Cap L/XL - Grey

ELECTRONICS

CR249 Futaba Servo Wires Black
 CR250 JR Servo Wires Black
 CR665 LiPo Voltage Checker
 SK-500015 Corner Weight System
 SK-600114-01 DC Power Distributor

SERVO

CR194 CORE RC -5008- Servo 5Kg .08 Sec 12th
 CR495 CORE RC - 9009LP Low Profile Servo 8Kg .09 Sec
 HSBLP650 Highest BLP650 Servo
 HSBLP680 Highest BLP680 Servo Yokomo BD8
 HSBLP750 Highest BLP750 Servo
 HSDLP650 Servo (Low Pro) - SSR 1/10 .07s 7.1kg

SERVO CONT....

HSDLP750	Servo (Low Pro) 1/10 .10s 11.8kg
KO30126	RSx3-12 Servo
KO30127	RSx3-12 World Spec Version Servo
KO30128	RSx3-12 GT Version Servo
KO30129	RSx3-12 HC Servo
KO92392	RS Set w/RSx3-12
SA107A53471A	SDX-801 Low Profile Digital Servo
SA107A53811A	SRG-HR Mini Digital Servo
SA107A54371A	SRG-LS Servo
SA107A54401A	Low Profile Servo - HVS-702
SA107A54471A	PGS-LH Programmable Low-Height BL Servo
SA107A54513A	PGS-CL Low Profile Servo

TRANSMITTERS AND RECEIVERS

CR277	CODE 2.4G FHSS Steerwheel Radio TxRx
CR278	CODE 2.4G FHSS - Rx Only
KO21005	KR-211FH 2.4GHz FHSS Receiver
KO21011	KR-418FH 4 Channels Receiver - 2.4GHz
KO80540	EX-1 Ver 3 (KIY) KR-413FH Set - TX + RX
KO80620	EX-RR w/KR-418FH
KO80641	EX-RR ST2 w/KR-418FH
KO80642	EX-RR ST2 w/KR-418FH Double Receiver
KO80643	EX-RR ST2 w/KR-415FHD Short
KO80644	EX-RR ST2 w/KR-415FHD Short Double Rec
KO80700	Esprit IV - Stick Radio Combo
KO80705	ESPRIT IV W/KR-415FHD
KO80706	ESPRIT IV W/KR-415FHD Short Antenna
SA101A31971A	MT-S Radio Set with RX482
SA101A32071A	EXZES ZZ Radio Set with RX472
SA101A32171A	MT-44 Radio Set with RX-482
SA101A32371A	M12S-RS Radio Set with RX482
SA101A32471A	M17 Radio Set with RX491
SA101A32571A	MX-6 Radio Set with RX-391W
SA107A40843A	RX-371FS FHSS-2 Receiver
SA107A41044A	RX-461 Receiver for MT-4
SA107A41074A	RX-380 FHSS-3 Receiver
SA107A41111A	RX-471 Receiver
SA107A41117A	RX-472 Telemetry/SSL Receiver
SA107A41131A	RX-471WP FH4 Waterproof Receiver
SA107A41144A	RX-371WP FHSS-2 Waterproof Receiver
SA107A41151A	RX-471 Dual ID Receiver
SA107A41251A	RX-481 Receiver
SA107A41257A	RX-482 Telemetry/SSL Receiver
SA107A41341A	RX-391W Receiver
SA107A41353A	RX-491 Receiver

CHARGERS AND DISCHARGERS

AM701000	AM Auto Balance Charger&Discharger
CR031	Charger Connector Set - 8pcs (10Amps max)
SK-100084	Imax B6 Mini Charger 6A 60W DC
SK-100104	Q200 Quattro Charger
SK-100122	e450 Charger 50W - 4A -AC
SK-100123	D400 Charger
SK-100124	PC1080 Dual Charger
SK-100129	Ultimate Duo D250 Charger
SK-100131	D100 v2 AC/DC Dual Balance Charger
SK-100134	B6 nano Charger
SK-100146	SKY RC B6 Nano Duo AC Charger
SK-100149	SKY RC e680 AC/DC 80W Charger
SK-100151	SKY RC B6 Lite DC Charger
SK-100152-04	S65 Charger AC 65W
SK-100155-04	SKY RC T200 AC/DC 12A Charger
SK-200013-01	eFuel 30A 540W Power Supply
SK-200015	eFuel 50A 1200W Power Supply
SK-200017-01	SKY RC 17A Power Supply (UK Plug)
SK-600123-01	BD200 Battery Discharger & Analyzer

BRUSHLESS MOTORS

DA740175	R-Tune 540 Sensored BL Motor 17.5T
DA741135	540 Sensored BL Motor 13.5T for AM Cup
FAN19313S	Fantom 13.5 ICON Pro Spec Motor
HW30401130	XERUN-V10-13.5T-Black-G3R-BL-Motor
HW30404309	QUICRUN - 3650 - G2 - Motor - 10.5T
HW30404310	QUICRUN - 3650 - G2 - Motor - 13.5T
HW30408004	XERUN - Justock - G2 - Motor - 10.5T -Fixed Timing
HW30408005	XERUN - Justock - G2 - Motor - 13.5T -Fixed Timing
HW30408009	XERUN Justock G2.1 Motor 10.5T Fixed Timing
HW30408010	XERUN Justock G2.1 Motor 13.5T Fixed Timing
HW90040120	XERUN - 1/10 - Sensored - BL - Motor - 13.5T
LRP520201	X22 Stock Spec Motor - 13.5T

BRUSHLESS MOTORS CONT....

LRP520202	X22 Stock Spec Motor - 17.5T
SK-400003-58	ARES V2.1 Spec Motor 13.5T

BRUSHLESS ACCESSORIES

CR134	Core Sensor Lead; 180mm
CR254	150mm Flat Bonded Flex Sensor Wire
CR255	200mm Flat Bonded Flex Sensor Wire
CR256	270mm Flat Bonded Flex Sensor Wire
CR651	150mm Super Flex 26GA Silicone sensor Wire
CR652	125mm Super Flex 26GA Silicone Sensor Wire
LRP819315	Sensor Wire Highflex 150mm
LRP819320	Sensor Wire Highflex 200mm
MR33-CF30	MR33 Cooling Fan 30mm

BRUSHLESS SPEEDCONTROLS

CR173	PACE 45R Brushless ESC 1s/2s
CR174	PACE 45R/60R Programming Card
CR199	PACE 60R Brushless ESC 1S/2S
HW30112121051	XERUN - V3.1 - 1S - BL - ESC - 120A - Black
HW30112603	XERUN - XR10 - Pro - 1S - 120A - ESC
HW30112751	XERUN - XR10 - Pro - Stock Spec - 1S - V4 - Black
HW30112609	XERUN - XR10 - Pro-1S Heavy Duty-V4.1 Black

BATTERIES

AM700301	AM Lipo 6200mAh 1s 3.7V - 65/130C
AM700302	AM Lipo 8000mAh 1s 3.7V - 55/110C
AM700303	Lipo 8000mAh 1/12 -3.7V-60/120C Si-Graphene
CR007	CORE RC Silicone Wire 12g - Red/Black 2x50cm
CR009	CORE RC RED Connector with 2x4mm Males
CR050	CORE RC Silicone Wire 12AWG - Red 1 Metre
CR051	CORE RC Silicone Wire 12AWG - Black 1 Metre
CR052	CORE RC Silicone Wire 12AWG - Blue 1 Metre
CR115	CORE RC Silicone Wire 12g - Red/Black/Blue 3x50cm
CR279	1S Lipo 8000mAh 100C Pro Series - 3.7V
CR287	Silicone Wire Black 14 AWG - 1Mtr
CR288	Silicone Wire Black 16 AWG - 1Mtr
CR292	CORE RC-3200mAhR 3.7V 30/60C 1S Lipo
CR653	Core RC Silicone Wire 13AWG- Black-1 Mtr
DA771003	DASH 12AWG Wire Black
DA771004	DASH 13AWG Wire Black
DA771005	DASH 14AWG Wire Black
FAN26187	Fantom 1S 7800mAh Lipo - 4mm
FAN26187-5	Fantom 1S 7800mAh Lipo - 5mm
IPCC1S6600HV4	Intellect Lipo LiHV 120C 1S 6600mAh 3.8V
IPCC1S8200HV4	Intellect Lipo LiHV 120C 1S 8200mAh 3.8V
LRP430268	Lipo 8000mAh - P4 1/12 Ultra LCG - 3.7V
LRP430270	Lipo 6200mAh - P4 1/12 Ultra LCG Stock Spec - 3.7V
MR33-SB2	MR33 Lipo Battery Safety Bag - V2
MR-SB	MR33 Lipo Bag

GENERAL ACCESSORIES

CR005	CORE RC Battery Tape - Black 50m
CR006	CORE RC Battery Tape - Blue 50m
CR043	CORE RC - Silver X-Weights 16pcs
CR058	CORE RC - Black X-Weights 16pcs
CR060	Small Body Clip 1/10 - Gloss Black (8)
CR061	Small Body Clip 1/10 - Silver (8)
CR062	Small Body Clip 1/10 - Gold (8)
CR063	Small Body Clip 1/10 - Fluorescent Yellow (8)
CR064	Small Body Clip 1/10 - Fluorescent Green (8)
CR065	Small Body Clip 1/10 - Fluorescent Red (8)
CR066	Small Body Clip 1/10 - Metallic Green (8)
CR067	Small Body Clip 1/10 - Metallic Red (8)
CR068	Small Body Clip 1/10 - Metallic Blue (8)
CR069	Small Body Clip 1/10 - Metallic Purple (8)
CR159	Core RC - Battery Tape - Orange 50m
CR197	CORE RC - Glass Setup Board
CR297	CORE RC - Neoprene Bag
CR518	Super Glue Nozzles - pk10
CR519	Under LiPo Weight 35g brass 1S/Shorty
CR522	CORE RC - 522 Pro Tyre Glue + 2 Nozzles
CR548	CORE RC - Tool Bag
CR549	CORE RC - Oil Bag
CR663	Slim Battery Tape - Black - 12mm x 25M
DF4260269080410	Dry-Fluid Extreme RC Car - 20ml
DF4260269080731	Dry-Fluid Extreme Gear Lube - 10ml
G353	Schumacher Glass Setup Board
G354	Schumacher - Neoprene Bag
J003	Contact RC - Glass Setup Board

GENERAL ACCESSORIES CONT....

J006 Contact GT12 Rear Wheel Centre Finder pr
 SXT00080 SXT Ice Tyre Glue
 SXT00085 SXT Silk Anti Wear Grease
 U4831 Aerial Tube Cap - Black - 6pk

TOOLS

CR044 CORE RC - Curved Body Scissors
 CR045 CORE RC - Straight Body Scissors
 CR103 Magnetic Parts Tray - Black
 CR148 CORE RC - Polybutler Pit Box; Black
 CR271 4 Way Wrench Small - 4.0,4.5,5.5,7.0mm
 U2789 Schumacher Hex Driver - 1.5mm
 U2790 Schumacher Hex Driver - 2.0mm
 U2791 Schumacher Hex Driver - 2.5mm
 U2792 Schumacher Hex Driver - 3.0mm
 U2795 Schumacher M3 Nut Driver
 U2796 Schumacher M4 Nut Driver
 U2818 Schumacher Body Reamer
 U4229 Steel Spanner - 5.5mm/3.9mm

1/12 FOAMS; SUPASTOX-GT12

JT2-30FB GT12-1/12 Front Bomber Gold Foam 44mm
 JT2-30FJ GT12-1/12 Front Pink 30Sh J Foam - 44mm
 JT2-32FJ GT12-1/12 Front Magenta 32Sh J Foam
 JT2-35FJ GT12-1/12 Front Double Pink 35Sh J Foam
 JT2-35FT GT12-1/12 Front T Foam 35Sh - 44mm
 JT2-40FT GT12-1/12 Front T Foam 40Sh - 44mm
 JG35RQ GT12 Atom Rear Q Foam 35Sh - 48mm
 JG35RT GT12 Rear T Foam 35Sh - 46mm
 JG40FQ GT12 Atom Front Q Foam 40Sh - 46mm
 JG40RA GT12 Atom Rear A Foam 40Sh - 48mm
 JG40RQ GT12 Atom Rear Q Foam 40Sh - 48mm
 JG40RT GT12 Rear T Foam 40Sh - 46mm
 JG42FQ GT12 Atom Front Q Foam 42Sh - 46mm
 JGCF GT12 Atom Front 40Sh Control Tyres 44mm
 JGCR GT12 Atom Rear 37Sh Control Tyres 46mm
 U4828 Tyre Truer Rear Wheel Insert - Atom

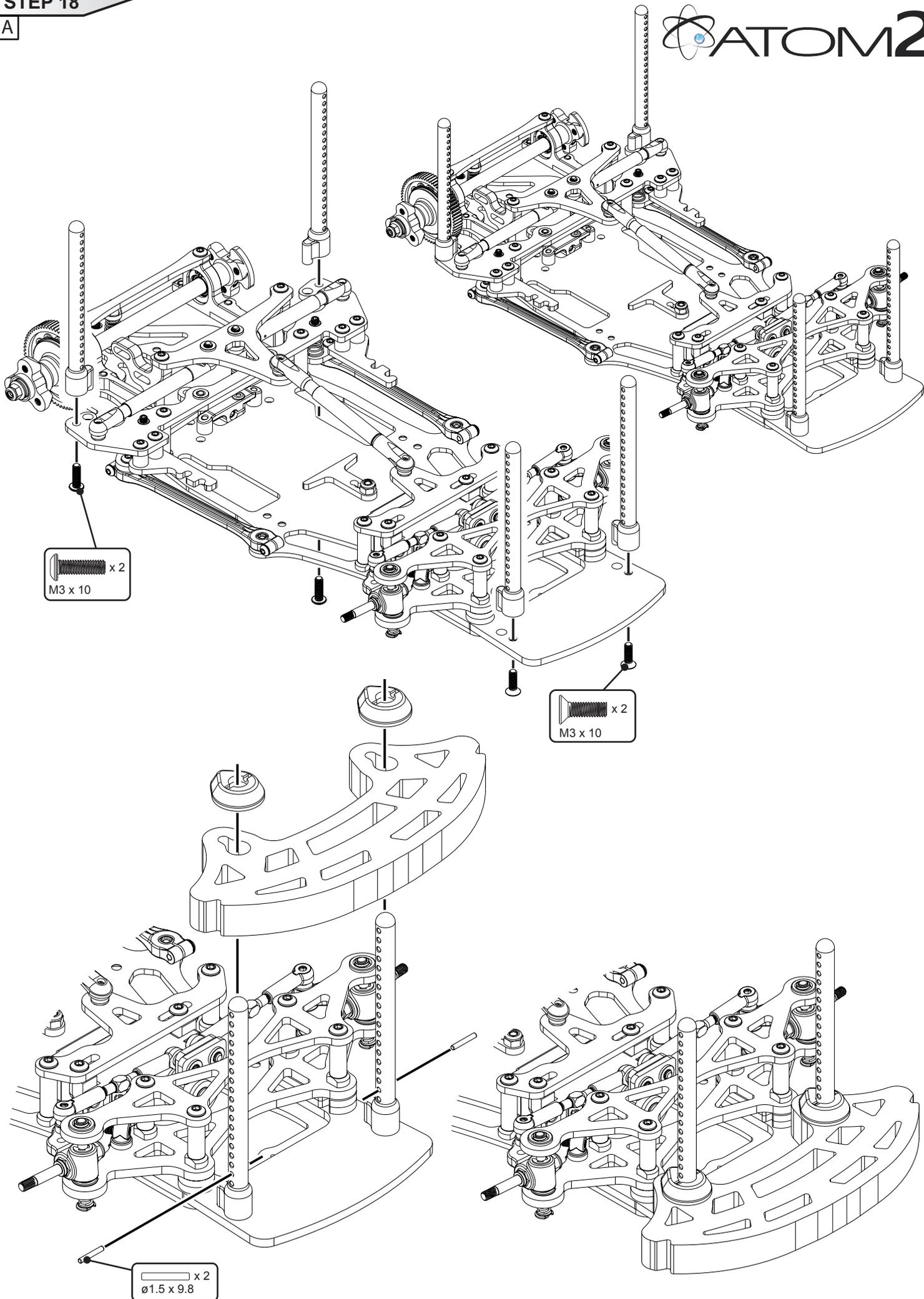
PAINT

CR599 Spraygun Pro for Core paint
 CR600 Aerosol Paint - White Knight
 CR601 Aerosol Paint - Yellow Taxi
 CR602 Aerosol Paint - Fire Red
 CR603 Aerosol Paint - French Blue
 CR604 Aerosol Paint - Petrol Blue
 CR605 Aerosol Paint - Racing Green
 CR606 Aerosol Paint - Jet Black
 CR607 Aerosol Paint - Lime Green
 CR608 Aerosol Paint - Tangerine
 CR609 Aerosol Paint - Hot Pink
 CR610 Aerosol Paint - Berry Purple
 CR611 Aerosol Paint - Neon Yellow
 CR612 Aerosol Paint - Neon Orange
 CR613 Aerosol Paint - Neon Red
 CR614 Aerosol Paint - Neon Green
 CR615 Aerosol Paint - Neon Fire
 CR616 Aerosol Paint - Neon Carrot
 CR617 Aerosol Paint - Neon Pink
 CR618 Aerosol Paint - Neon Blue
 CR619 Aerosol Paint - Metallic Blue
 CR620 Aerosol Paint - Metallic Graphite
 CR621 Aerosol Paint - Metallic Silver
 CR622 Aerosol Paint - Metallic Purple
 CR623 Aerosol Paint - Metallic Green
 CR624 Aerosol Paint - Metallic Red
 CR625 Aerosol Paint - Metallic White
 CR626 Aerosol Paint - Clear Sparkle
 CR627 Aerosol Paint - True Chrome
 CR628 Aerosol Paint - Clear Backing
 CR629 Aerosol Paint - Window Tint
 CR631 Aerosol Paint - Spearmint
 CR666 Aerosol Paint - Flat Matt Finish
 CR667 Aerosol Paint - Glacier Sapphire
 CR668 Aerosol Paint - Glacier Raspberry
 CR669 Aerosol Paint - Glacier Gold
 CR670 Aerosol Paint - Glacier Plum
 CR671 Aerosol Paint - Shark Grey
 CR672 Aerosol Paint - Bullion Gold
 HN20000 Airbrush Bottle Adapter for 60ml/120ml
 HN20010 Airbrush Paint Clear Coat - 60ml
 HN20020 Airbrush Paint SP Reducer/Cleaner 60ml

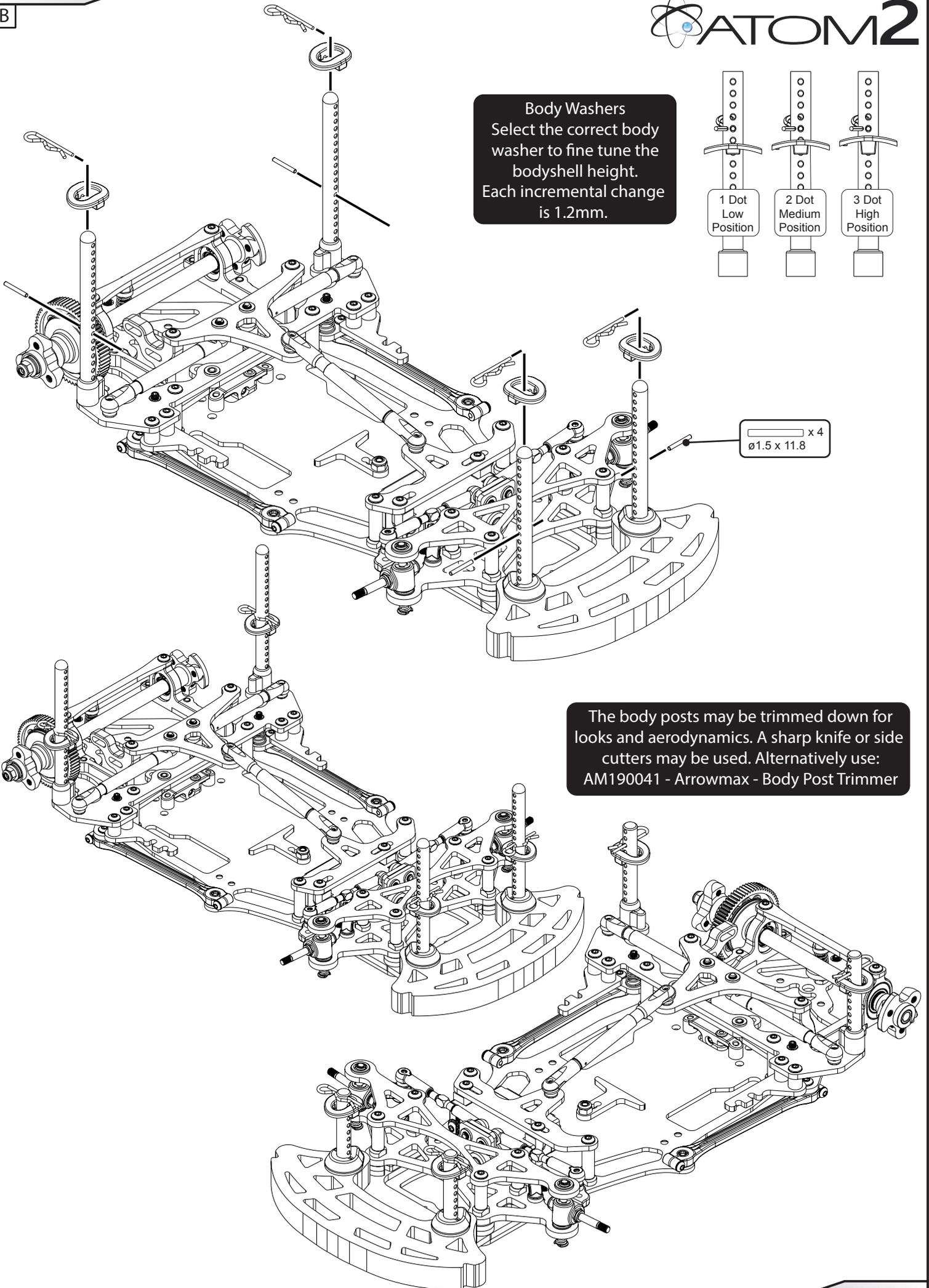
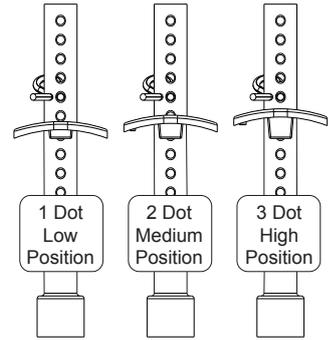
PAINT CONT....

HN20021 Airbrush Paint SP Reducer/Cleaner 120ml
 HN20030 Airbrush Paint Intercoat-Clear 60ml
 HN20031 Airbrush Paint Intercoat-Clear 120ml
 HN21000 Airbrush Paint Chrome 60ml
 HN22000 Airbrush Paint Solid White 60ml
 HN22001 Airbrush Paint Solid White 120ml
 HN22020 Airbrush Paint Solid Grey 60ml
 HN22030 Airbrush Paint Solid Black 60ml
 HN22031 Airbrush Paint Solid Black 120ml
 HN22040 Airbrush Paint Solid Yellow 60ml
 HN22050 Airbrush Paint Solid Orange 60ml
 HN22060 Airbrush Paint Solid Red 60ml
 HN22080 Airbrush Paint Solid Aqua Blue 60ml
 HN22090 Airbrush Paint Solid Sky Blue 60ml
 HN22100 Airbrush Paint Solid Blue 60ml
 HN22110 Airbrush Paint Solid Green 60ml
 HN22130 Airbrush Paint Solid Brown 60ml
 HN23000 Airbrush Paint Transparent Yellow 60ml
 HN23010 Airbrush Paint Transparent Orange 60ml
 HN23020 Airbrush Paint Transparent Pink 60ml
 HN23030 Airbrush Paint Transparent Red 60ml
 HN23040 Airbrush Paint Transparent Purple 60ml
 HN23050 Airbrush Paint Transparent Blue 60ml
 HN23060 Airbrush Paint Transparent Green 60ml
 HN23070 Airbrush Paint Transparent Grey Tint 60ml
 HN24000 Airbrush Paint Pearl White 60ml
 HN24010 Airbrush Paint Pearl Silver 60ml
 HN24020 Airbrush Paint Pearl Gold 60ml
 HN24030 Airbrush Paint Pearl Orange 60ml
 HN24050 Airbrush Paint Pearl Red 60ml
 HN24060 Airbrush Paint Pearl Copper 60ml
 HN24070 Airbrush Paint Pearl Blue 60ml
 HN24080 Airbrush Paint Pearl Key-Lime Green 60ml
 HN24090 Airbrush Paint Pearl Green 60ml
 HN24100 Airbrush Paint Pearl Charcoal Grey 60ml
 HN24110 Airbrush Paint Pearl Black 60ml
 HN25000 Airbrush Paint Neon Yellow 60ml
 HN25010 Airbrush Paint Neon Flame Orange 60ml
 HN25020 Airbrush Paint Neon Orange 60ml
 HN25030 Airbrush Paint Neon Pink 60ml
 HN25040 Airbrush Paint Neon Raspberry 60ml
 HN25050 Airbrush Paint Neon Red 60ml
 HN25060 Airbrush Paint Neon Purple 60ml
 HN25070 Airbrush Paint Neon Blue 60ml
 HN25080 Airbrush Paint Neon Green 60ml
 HN26000 Airbrush Paint Iridescent Yellow 60ml
 HN26010 Airbrush Paint Iridescent Candy Red 60ml
 HN26020 Airbrush Paint Iridescent Red 60ml
 HN26030 Airbrush Paint Iridescent Purple 60ml
 HN26050 Airbrush Paint Iridescent Teal Green 60ml
 HN26060 Airbrush Paint Iridescent Turquoise 60ml
 HN27000 Airbrush Paint Change Gold 60ml
 HN27010 Airbrush Paint Change Red 60ml
 HN27020 Airbrush Paint Change Purple 60ml
 HN27030 Airbrush Paint Change Blue 60ml
 HN27040 Airbrush Paint Change Green 60ml

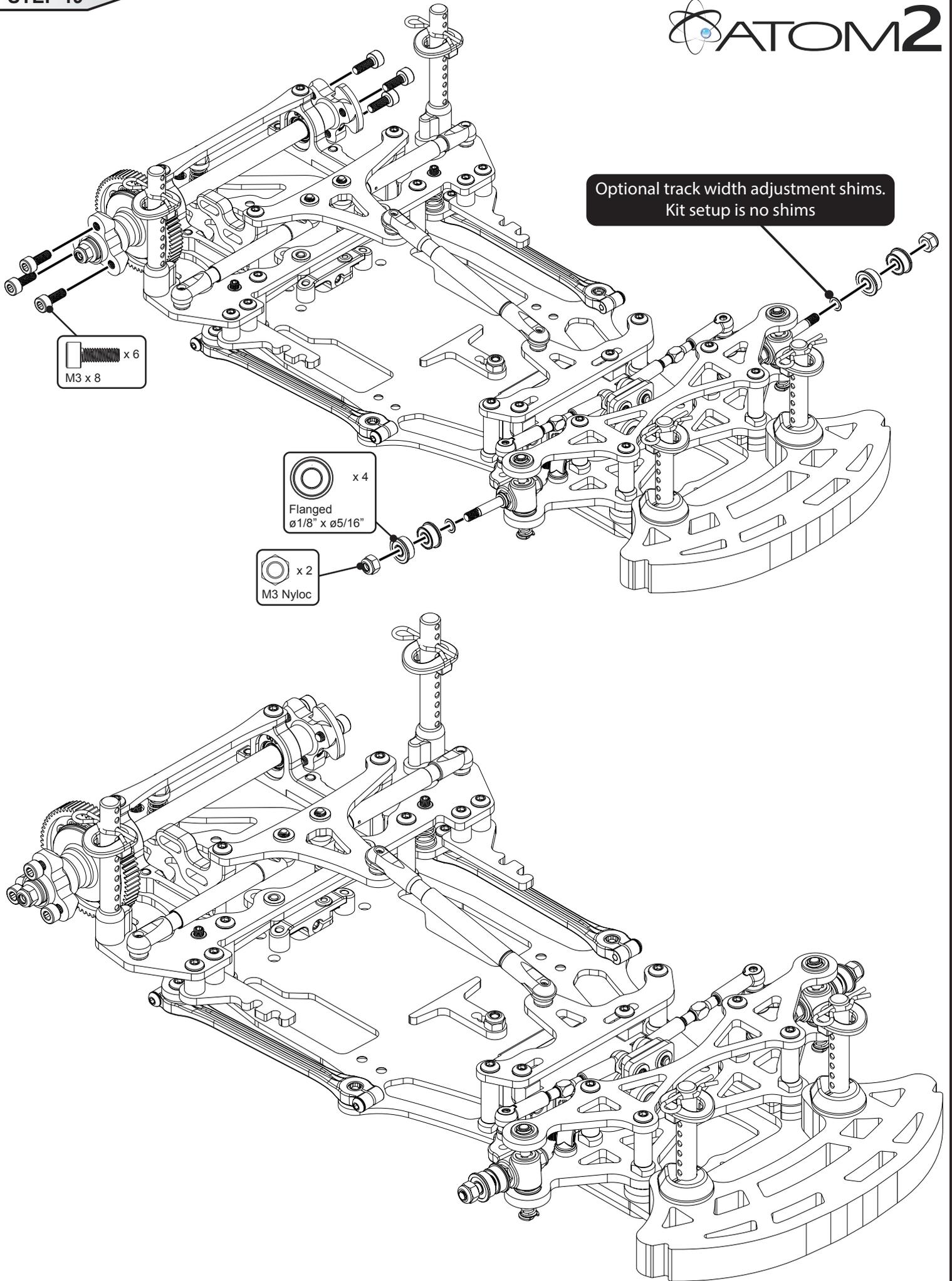




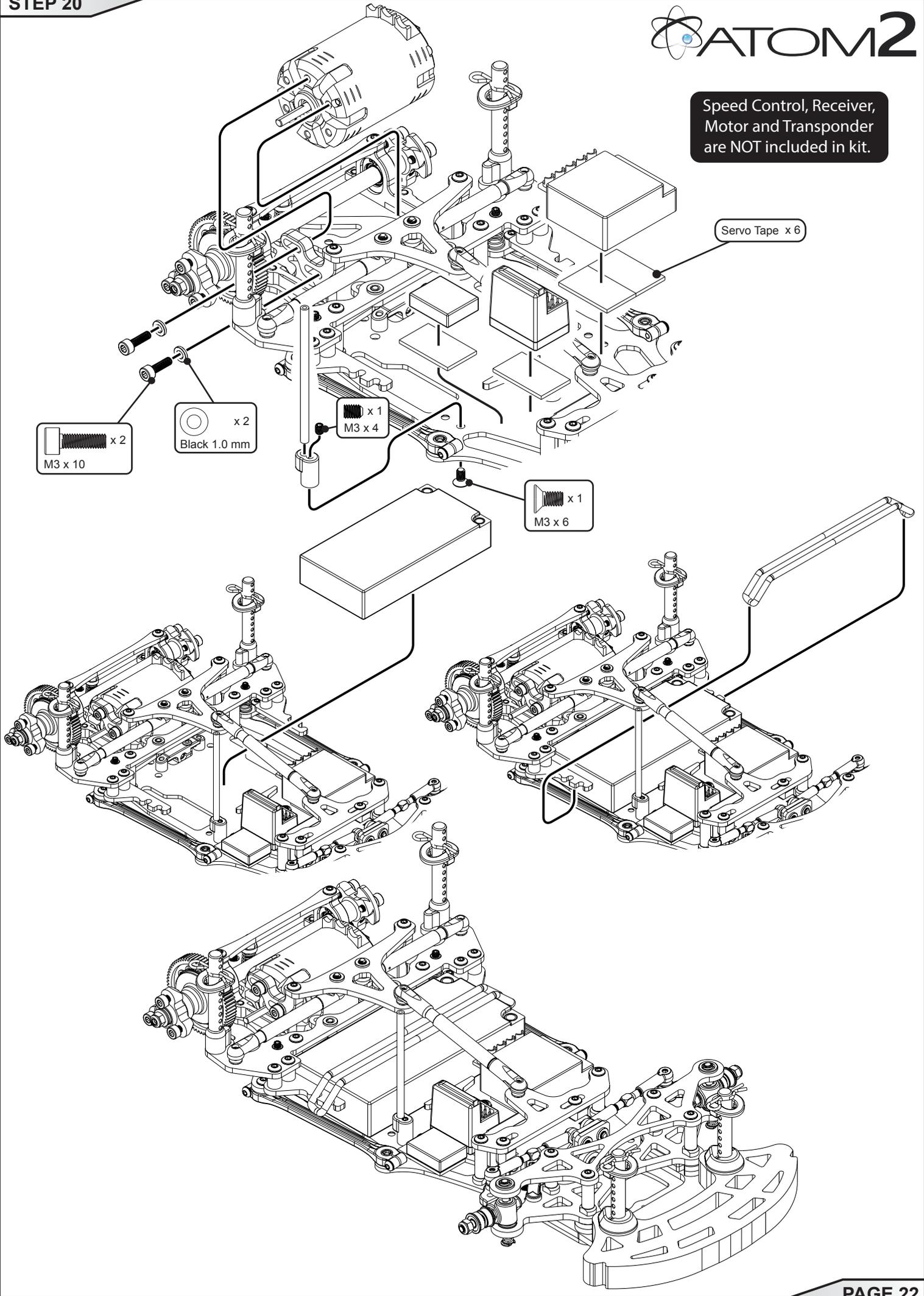
Body Washers
 Select the correct body washer to fine tune the bodyshell height.
 Each incremental change is 1.2mm.



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



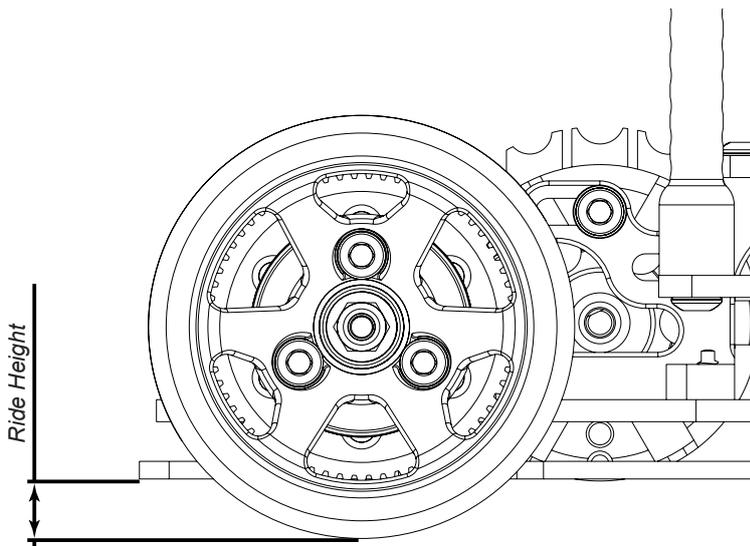
Speed Control, Receiver, Motor and Transponder are NOT included in kit.



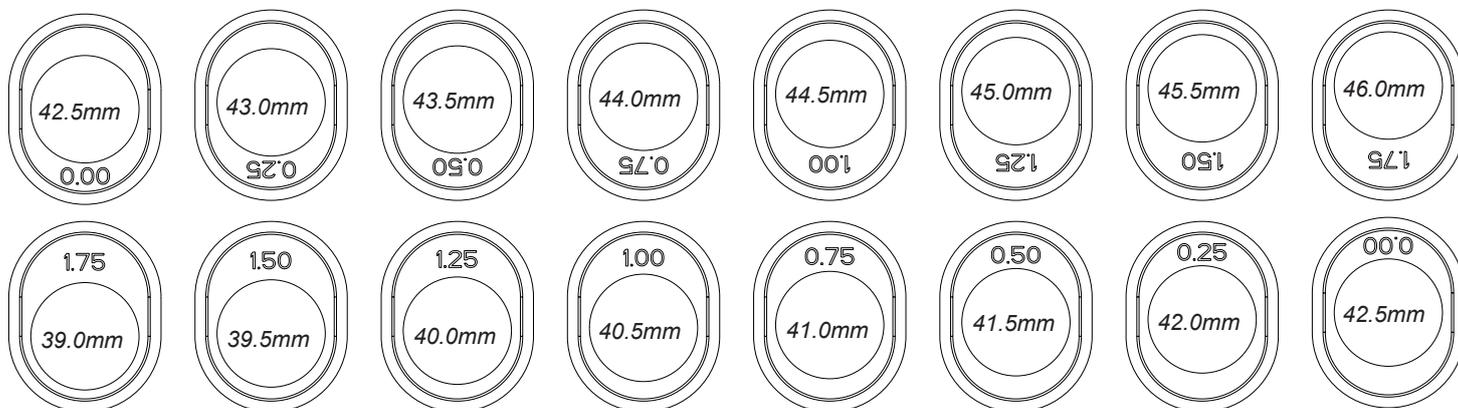
Ride Height

In general always run the car as low as possible, without the chassis grounding out.

A good starting point with foam tyres is 3.5mm.



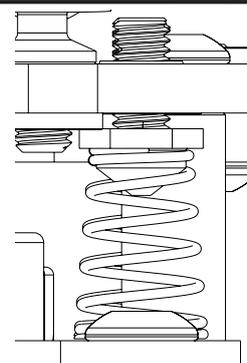
Using these Eccentrics for the foam diameter stated will give the kit rear ride height setting of approximately 3.5mm.



Roll Springs

Roll springs are used to control the cars steering balance. A softer spring will give an easier to drive car. Stiffer roll springs can be used to give a more aggressive steering car. The standard setting has the roll springs uncompressed and both just touching the lower pod plate when the car is stationary. Screwing them downward and compressing the springs creates more steering while loosening them gives an easier to drive car.

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

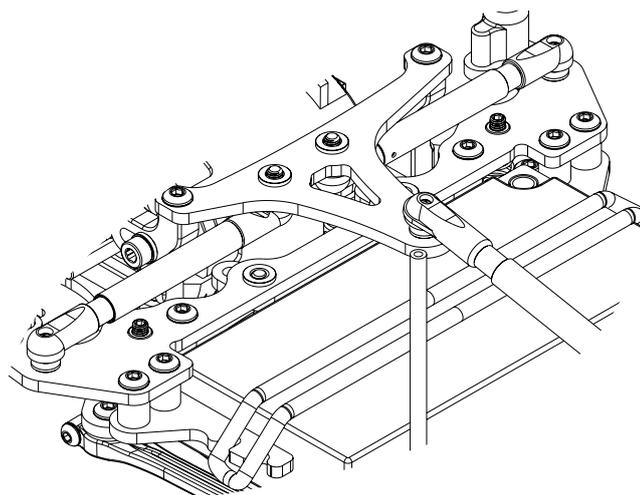


Rear Roll Damping

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

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

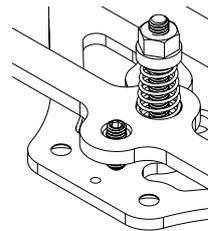
A good range is between 7,000cSt and 20,000cSt



Rear Bump Spring

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

A harder bump spring can give more initial steering. A softer bump spring will give more aggressive mid corner steering and improve the cars bump handling ability.



Anti-squat

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

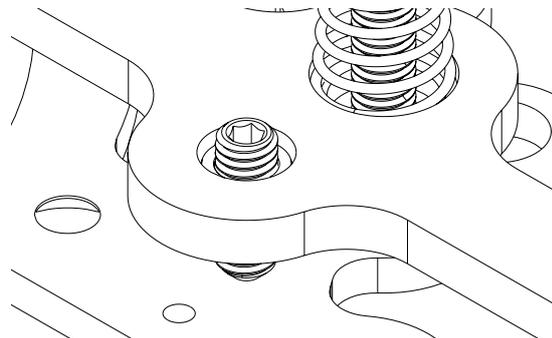
Anti-squat resists the weight transfer to the rear under power. This will increase on power steering. Typically anti-squat may be used but pro-squat is rarely useful.

Rear Droop

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

Start with 1mm of droop.

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

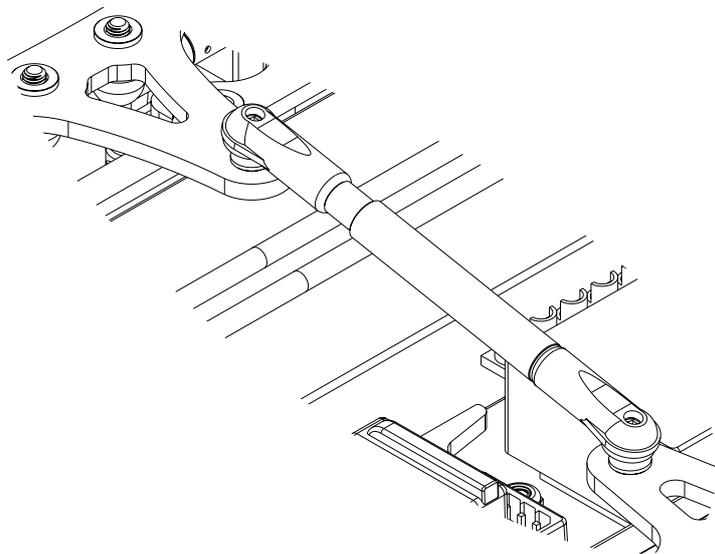


Rear Bump Damping

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

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

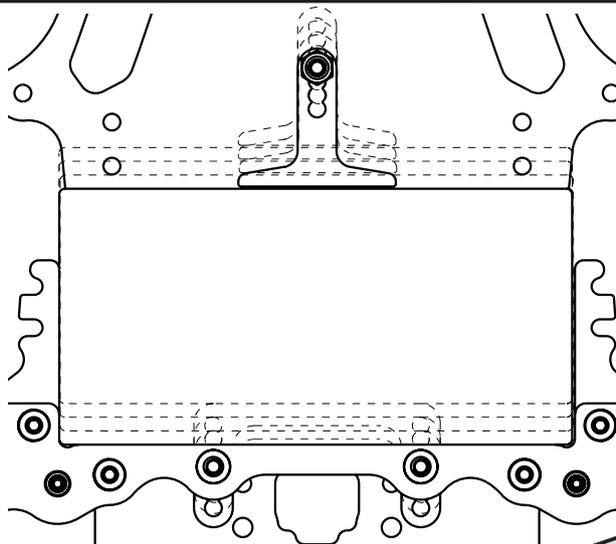
A good range is between 15,000cSt and 50,000cSt



LiPo Position

The Atom 2 has four LiPo positions. A more forward LiPo will make the car easier to drive. A more rearward LiPo will make the car more aggressive and provide more steering.

The side LiPo stops allow for fine tuning battery clearance by loosening the screws and gently pushing them inward.



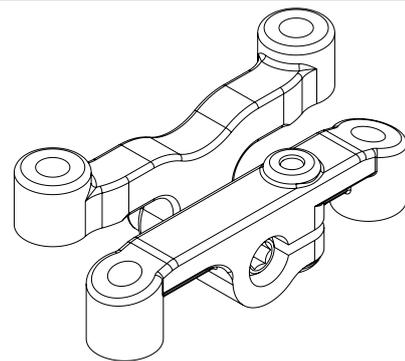
Roll Centre

The roll centre can be adjusted by adding or removing spacers from below the pivot mount and pivot block. **MUST have equal spacers beneath both parts.**

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

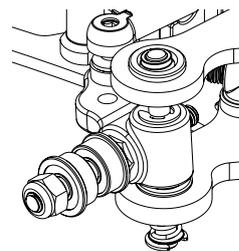
Raising the roll centre (adding spacers) will increase steering by making the car rotate more from the rear.

The alloy pivot mount and block need a 1mm spacer in order to maintain kit roll centre.



Front Springs

Softer springs will ride the bumps better and generally allow the car to roll more which can increase steering, especially in the middle of the corner. Harder springs make the car more responsive and are more suitable for high grip tracks. They will generally increase initial steering but improve mid corner stability.

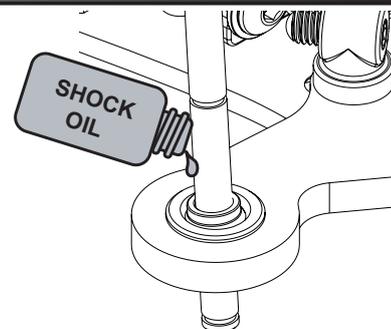


Front Damping

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

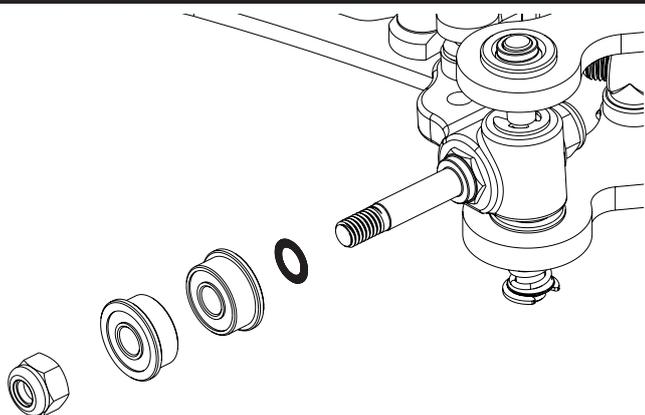
Thicker oil on the lower ball generally always gives a less responsive, easier to drive car. Too thick oil on the kingpin may lead to a 'lazy' feeling car which lacks corner speed.

We suggest a wide range of possibilities here starting from 12,000cSt - 40,000cSt



Front Track Width

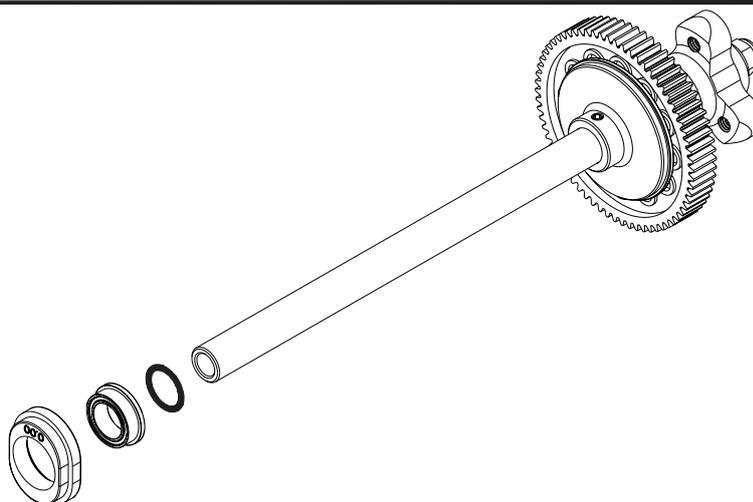
Wider front track width will make the car easier to drive, provide less steering and give a slower response. Narrower front track width will make the car harder to drive, provide more steering and give a faster response.



Rear Track Width

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

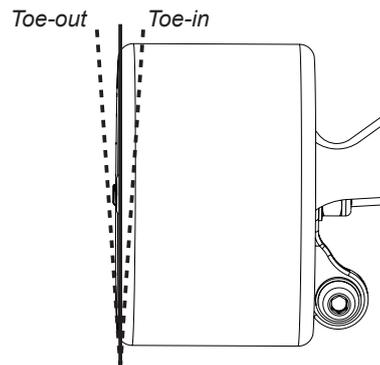
Kit rear width has a 0.5mm spacer on one side and 3mm of spacers on the other side. Remove or add spacers to suit (equally both sides)



Front Toe

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

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

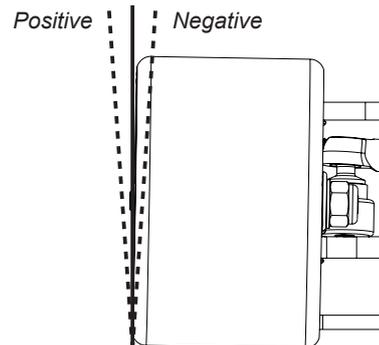


Camber

Increasing the negative camber angle will increase the cars steering. This will make the car more difficult to drive but often faster on a lap.

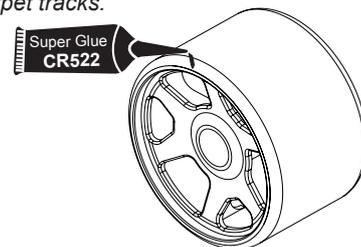
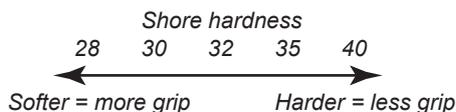
Reducing the negative camber angle is a good setting change if traction roll is a problem.

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



Tyres

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



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

RACERS TIP

43mm Rear, 41.5mm Front is a good all round tyre size, reducing this size is only an advantage in extreme conditions to prevent grip roll. If you have too much steering then add a thin layer of superglue (CR522 or MR-Superglue) to the outside edge of the front tyre to reduce the front tyre grip. This can be used to prevent grip roll in extreme conditions.

Gear Ratio

First work out the gear ratio from the spur gear and pinion (For example 64/28 = 2.29).

Then complete the following equation.

$$\frac{43 \text{ (tyre diameter)} \times \pi \text{ (3.142)}}{2.29 \text{ (gear ratio)}} = 59.10\text{mm/rev}$$

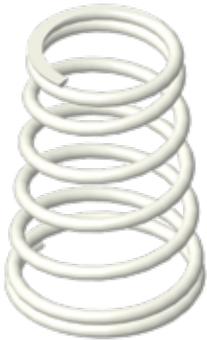
In this chart we have given the mm/rev figures for our suggested tyre size of 43mm, for a range of spurs and pinions

Minimum combined tooth sum = 80T

Maximum combined tooth sum = 101T

48DP Gears

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
64			33.77	35.88	37.99	40.1	42.22	44.33	46.44	48.55	50.66	52.77	54.88	56.99	59.10	61.21	63.32	65.43	67.54	69.65	71.77	73.88	75.99	78.10
66	28.66	30.70	32.75	34.80	36.84	38.89	40.94	42.98	45.03	47.08	49.12	51.17	53.22	55.26	57.31	59.36	61.40	63.45	65.50	67.54	69.59	71.64		
69	27.41	29.37	31.32	33.28	35.24	37.20	39.16	41.11	43.07	45.03	46.99	48.95	50.90	52.86	54.81	56.78	58.73	60.69	62.65					
70	27.02	28.95	30.88	32.81	34.74	36.67	38.60	40.53	42.45	44.39	46.32	48.25	50.18	52.11	54.04	55.97	57.90	59.82						
72	26.27	28.14	30.02	31.9	33.77	35.65	37.52	39.40	41.28	43.15	45.03	46.91	48.78	50.66	52.53	54.41								



- U4838** - Rear Springs Black - Soft - At/Ecl - pr
- U4839** - Rear Springs Silver - Med/Soft - At/Ecl - pr
- U4840** - Rear Springs Gold -Med/Hard - At/Ecl - pr
- U4841** - Rear Springs Nickel - Hard - At/Ecl - pr
- U4846** - Spring Tuning Set Rear - At/Ecl
- U7322** - Rear Spring Red Dot-Hard/Ultra-Atom/Eclipse-pr
- U7323** - Rear Spring Black - Ultra - Atom/Eclipse - pr



- CR280** - Ti Pro Ball Studs - Short - (pr)
- CR281** - Ti Pro Ball Studs - Ultra Short - (pr)
- CR282** - Ti Pro Ball Studs - Long - (pr)



U7825 - Titanium Pivot Ball 5.5mm Low (pr)



CR664 - Alloy Motor Spacer - 1mm - pk2



U7829 - Titanium Ball Stud Low (Short) (pk4)



- CR310** - Alloy Csk Hex Screws M3 x 6 pk10
- CR311** - Alloy Csk Hex Screws M3 x 8 pk10
- CR312** - Alloy Csk Hex Screws M3 x 10 pk10
- CR314** - Alloy Button Head Hex Screws M3 x 6 pk10
- CR315** - Alloy Button Head Hex Screws M3 x 8 pk10
- CR316** - Alloy Button Head Hex Screws M3 x 10 pk10
- CR317** - Alloy Button Head Hex Screws M3 x 12 pk10

U4970 - Rear Axle - Eclipse Carbon



CR724 - GT12 Carbon Spool Axle + Clamp



- CR510** - Kimbrough - Spur Gear 66T - 48DP - #301
- CR511** - Kimbrough - Spur Gear 69T - 48DP - #150
- CR512** - Kimbrough - Spur Gear 72T - 48DP - #143
- U4057** - Spur Gear 48DP - 70T - SS GT



- U7920** - Alloy Ride Height Spacer 0.5mm - Atom 2 (pk4)
- U7921** - Alloy Ride Height Spacer 0.75mm - Atom 2 (pk4)



- U7922** - C/F Camber Strap (1 Dot) - Atom 2
- U7923** - C/F Camber Strap (2 Dot) - Atom 2
- U7924** - C/F Camber Strap (3 Dot) - Atom 2



U7897 - Alloy Pivot Spacer 1mm - Atom 2 (pr)

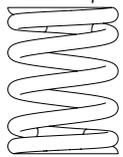


U7919 - Alloy Pivot Block - Atom 2



U7918 - Alloy Pivot Mount - Atom 2

- U7886** - Front Spring Black Soft - Atom 2 (pr)
- U7888** - Front Spring Green Hard - Atom 2 (pr)
- U7889** - Front Spring Gold Super Hard - Atom 2 (pr)
- U7890** - Front Spring Tuning Set - Atom 2



- CR722** - Threaded Steel 5g Weight 13.50mm (pk4)
- CR723** - Threaded Steel 10g Weight 17.60mm (pk4)



U3582 - Precision Balance Pivot Set



U4327 - Alloy Servo Mount Black - K1/Mi5



U7315 - Titanium Turnbuckle - 35mm - Silver - pr



U7298 - Alloy Rear Wheel Screws - Atom/Eclipse (pk6)



U7453 - 30/40mm Fan Mount Kit - ATOM

- U4812** - Ceramic Bearing 1/8x5/16x9/64 Flanged (pr)
- U4979** - Ceramic Bearing 1/4 x 3/8 x 1/8 Flanged (pr)
- U7690** - Pro Ball Bearings 1/4 x 3/8 x 1/8 FI Sheilded
- U7691** - Pro Ball Bearings 1/8 x 5/16 x 9/64 FI Sheilded

Driver Details

NAME Test Driver
 DATE N/A
 EVENT / TRACK N/A
 WEATHER N/A
 RESULT N/A
 FASTEST LAP TIME N/A

NOTES

THIS IS THE KIT BUILD SETUP



Chassis and Electrics

BODYSHELL Montech MLGT3
 WING STD
 E.S.C Hobbywing XR10 Pro
 SERVO Sanwa SRG-HR
 RECEIVER Sanwa RX-481
 LIPO Fantom 7800

Track Conditions

GRIP LEVEL High Medium Low
 TYPE Tight Open Mixed
 SURFACE Carpet Tarmac
 CONDITION Smooth Bumpy
 AIR TEMPERATURE °C °F TRACK TEMPERATURE °C °F
 VENUE Indoor Outdoor

TRACK DIMENSIONS

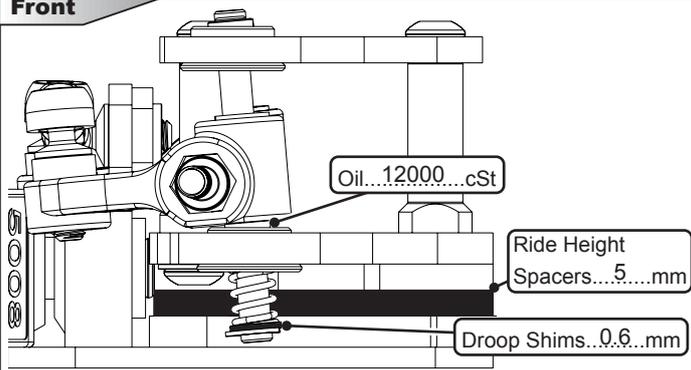
Motor and Gearing

MOTOR Hobbywing G3R
 TIMING 30
 SPUR SIZE 64T
 PINION SIZE 28T
 Rollout 59.10 mm/rev

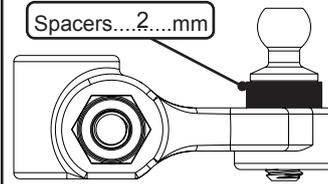
Tyres and Additive

COMPOUND Front T 35 Rear T 35
 DIAMETER Front 41.0 Rear 43.5
 TYRE ADDITIVE SXT 3.0
 ADDITIVE TIME Front 5 Minutes Rear 30 Minutes
 ADDITIVE COVERAGE Front 5mm Rear All
 SIDEWALL GLUE Front Rear

Front



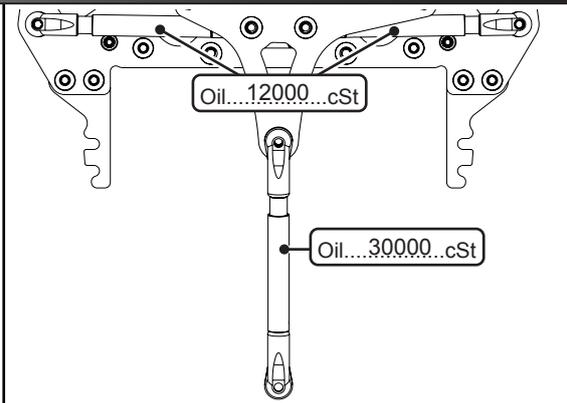
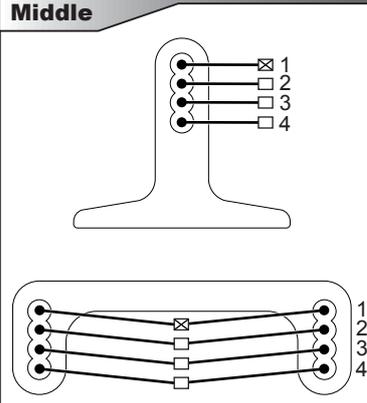
Ride Height.....3.5.....mm
 Droop.....0.5.....mm
 Inside wheel lock.....26.....°
 Toe.....1.out.....°



1 Dot <input type="checkbox"/>	Black <input type="checkbox"/>
2 Dot <input checked="" type="checkbox"/>	Silver - Kit <input checked="" type="checkbox"/>
3 Dot <input type="checkbox"/>	Green <input type="checkbox"/>
	Gold <input type="checkbox"/>

0 Dot - Kit <input checked="" type="checkbox"/>
1 Dot <input type="checkbox"/>
2 Dot <input type="checkbox"/>
3 Dot <input type="checkbox"/>

Middle

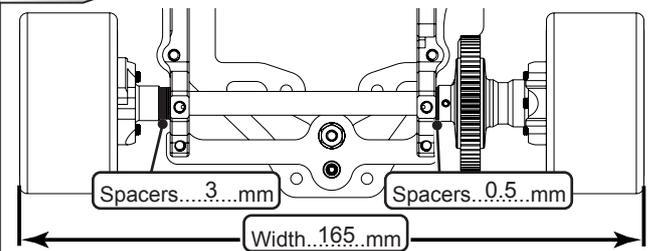


1 Dot <input type="checkbox"/>	Black <input type="checkbox"/>
2 Dot <input checked="" type="checkbox"/>	Silver - Kit <input checked="" type="checkbox"/>
3 Dot <input type="checkbox"/>	Gold <input type="checkbox"/>
	Nickel <input type="checkbox"/>
	Red Dot <input type="checkbox"/>
	Black Ultra <input type="checkbox"/>

Plastic - Kit
 Alloy

Spacers...0...mm

Rear



Ride Height.....3.5.....mm
 Droop.....1.0.....mm
 Antisquat.....mm Kit (4.2mm)
 Antisquat

	Black <input type="checkbox"/>
	Silver <input type="checkbox"/>
	Gold <input type="checkbox"/>
	Nickel <input type="checkbox"/>
	Red Dot - Kit <input checked="" type="checkbox"/>
	Black Ultra <input checked="" type="checkbox"/>

