CAT L1

Instruction Manual



Schumacher
racing-cars.com

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

S1462 *ISS1*

ADDITIONAL ITEMS REQUIRED

Transmitter and receiver



E.S.C



Servo





Motor



LONG BOSS
Pinion
U7517 to U7527



Saddle Pack
Li-Po Battery



2S Shorty
Li-Po Battery



CR161
UAC50 Charger
12v/110-240v 6A





CORE RC Paint
CR600 to CR631

CR522 CORE RC
Pro Tyre Glue + 2 Nozzles

Tyres and Inserts







Soldering Iron
CR266 40w
CR275 80w



U3107 - Solder

G796 Male Connector Plugs (pk 2)



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



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



U2818
Schumacher Body Reamer



U4229 Steel Spanner - 5.5mm/3.9mm



CR044 Curved Body Scissors



U2795 M3 Nut Driver
U2796 M4 Nut Driver



U2789 Hex Driver - 1.5mm
U2790 Hex Driver - 2.0mm
U2791 Hex Driver - 2.5mm

CAT L1

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.

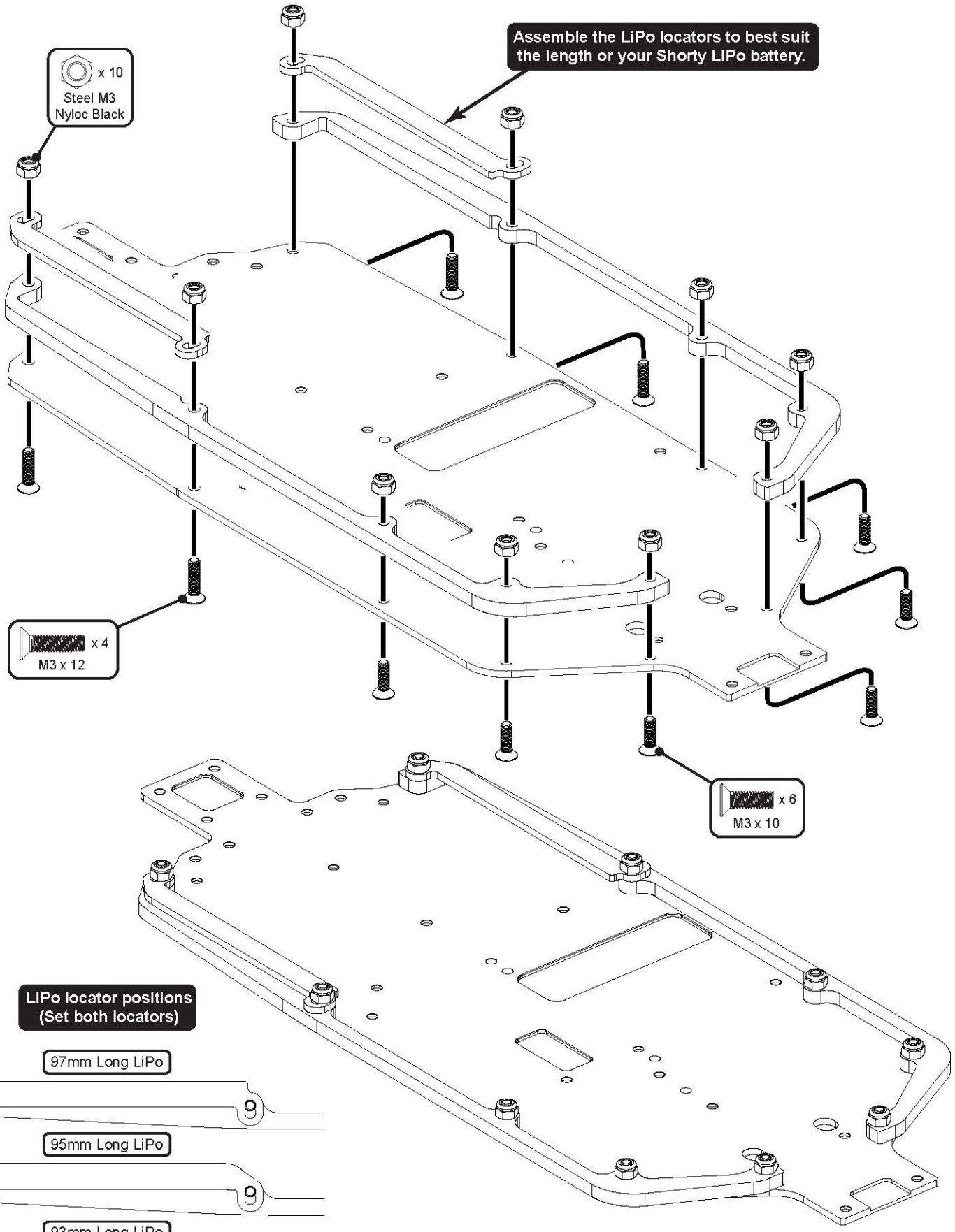
KO PROPO · SANWA · DASH · CORE-RC · AEROX · Speed Passion · HOBBYWING · TEAM SOREX · EDS · RHEINARD 330 · Intellect · LC RACING · MonTech · contact · NOSRAM · ANDERSON Racing · ARROWMAX · NANDA RACING · RIDE · Team Bomber · MIP · SKYRC · SHIMIZU Racing · FANTOM · killerbody · SXT · HIGHEST

IMPORTANT SAFETY NOTES

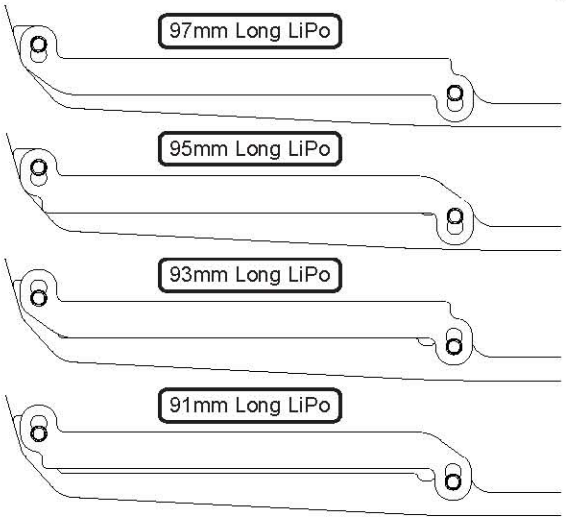
- We strongly recommend that anyone driving RC cars, or organising events, should obtain third party liability insurance. In the UK this can be done by joining the BRCA. www.brca.org
- This product is not suitable for children under the age of 14, without the direct supervision of a responsible adult.
- 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.

IMPORTANT
Peel off the protective film from ALL carbon fibre parts before assembly.

CAT L1

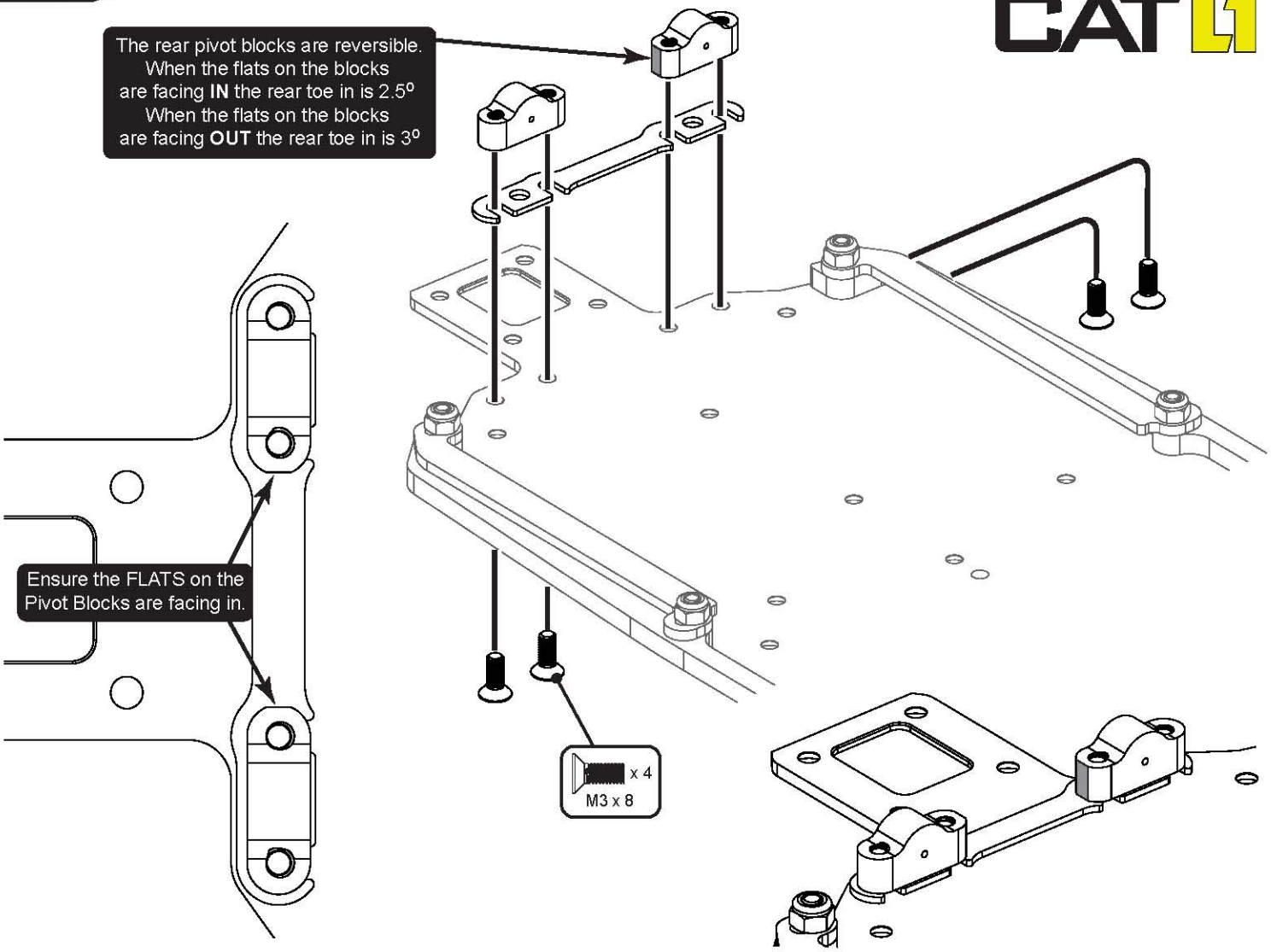


LiPo locator positions (Set both locators)

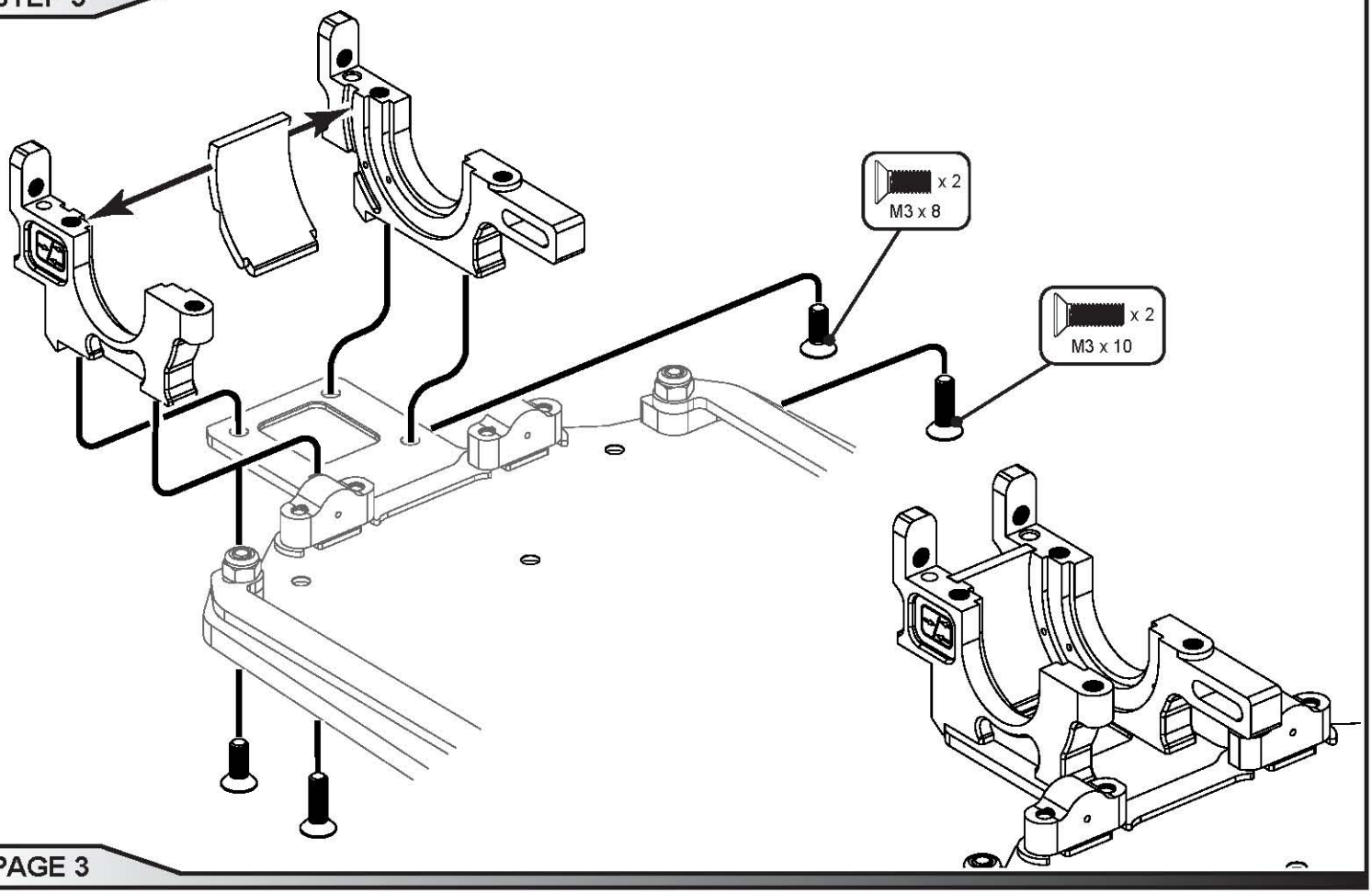


STEP 2

The rear pivot blocks are reversible.
When the flats on the blocks
are facing **IN** the rear toe in is 2.5°
When the flats on the blocks
are facing **OUT** the rear toe in is 3°

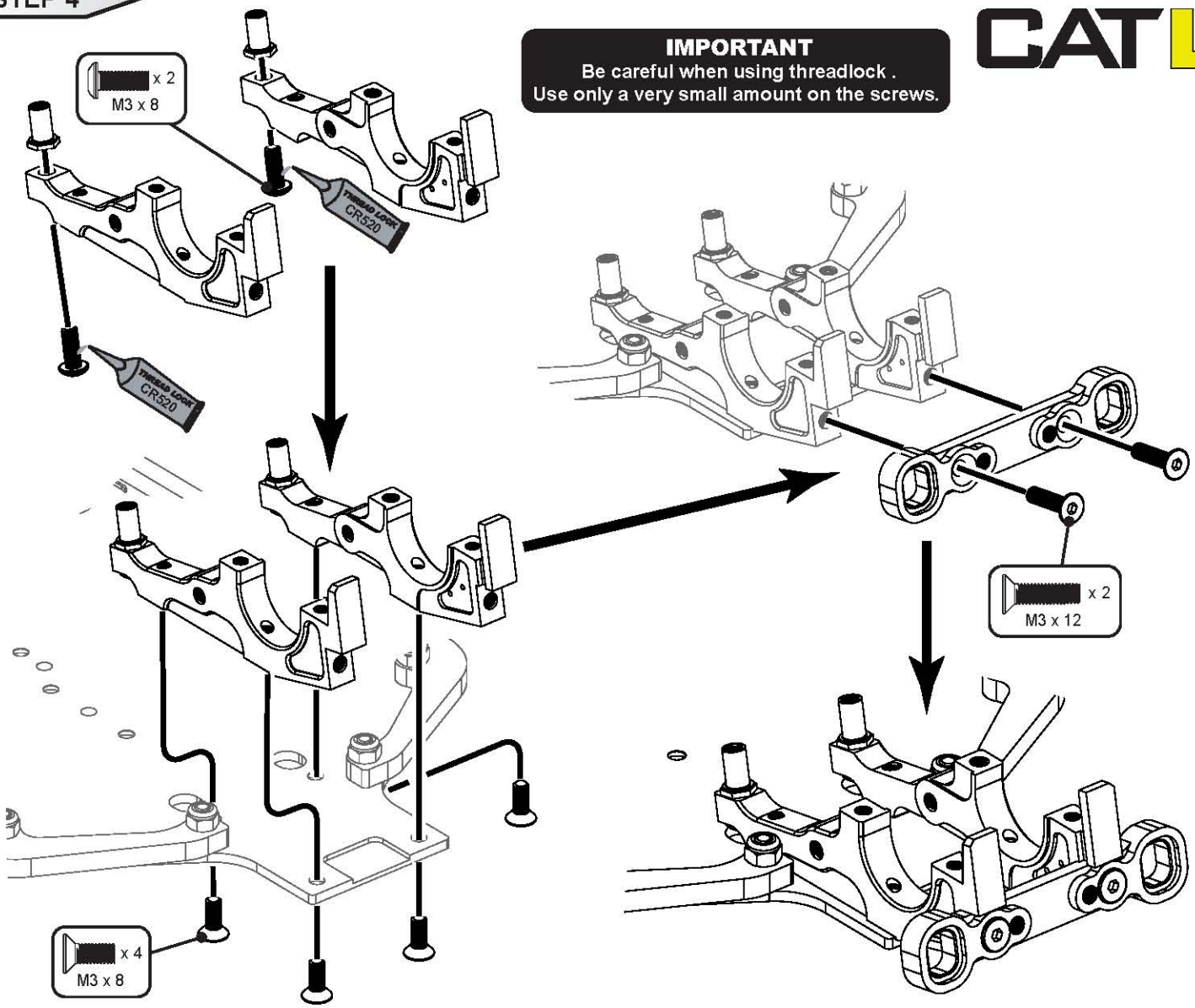


STEP 3

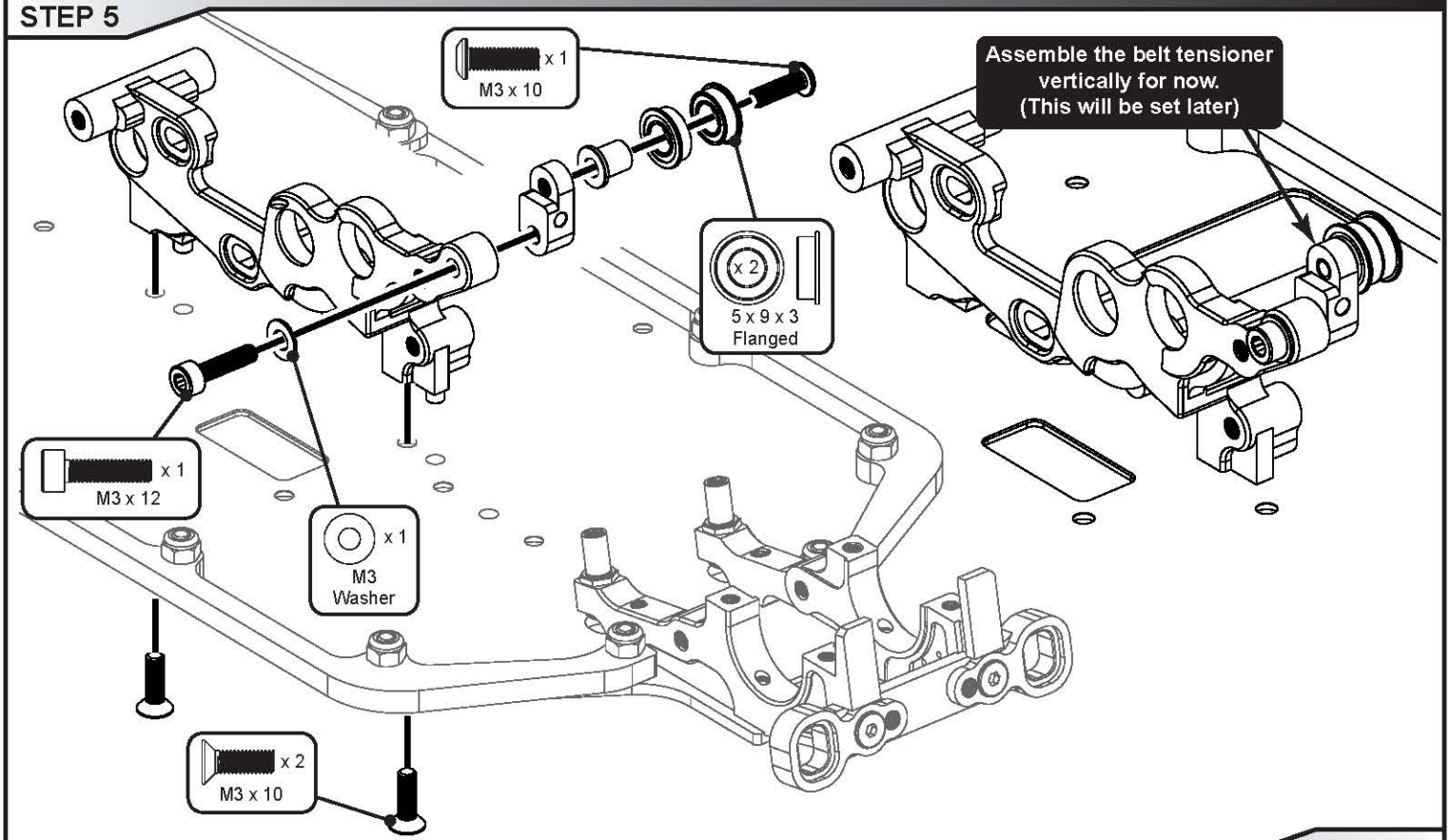


STEP 4

IMPORTANT
Be careful when using threadlock .
Use only a very small amount on the screws.

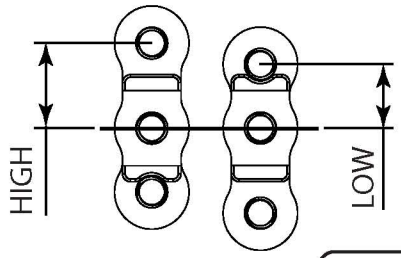


STEP 5

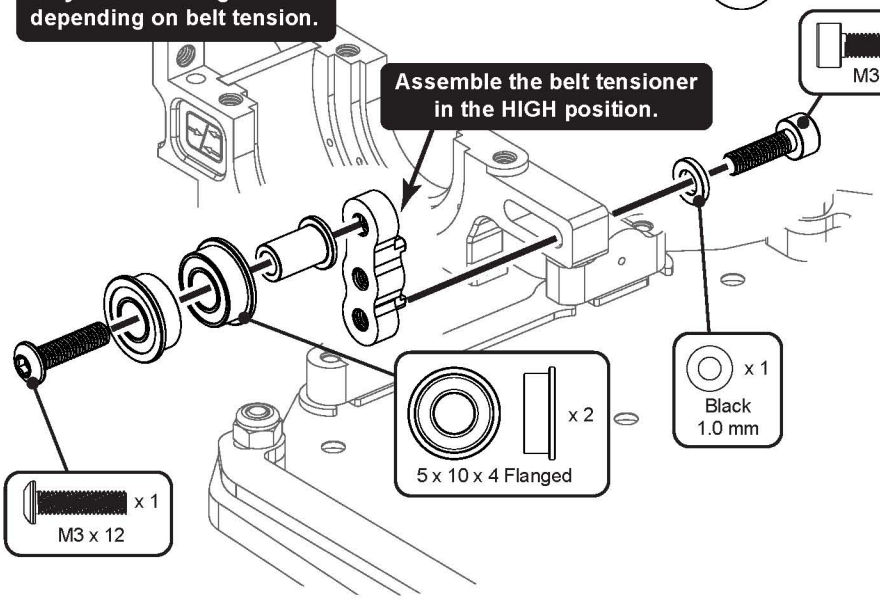


STEP 6

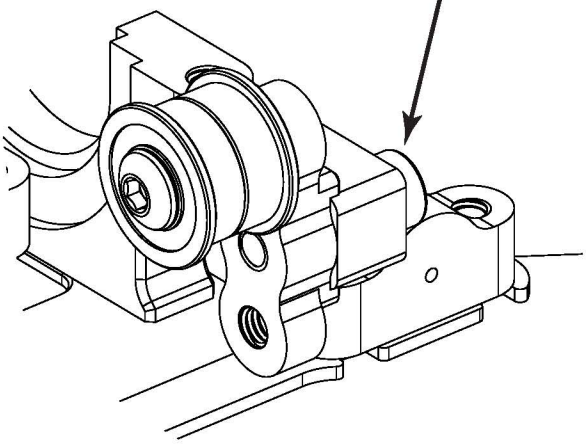
The belt tensioner has two bearing heights. High bearing is used when the diff is set high. Low bearing is for when the diff is set low. Mid diff height may use either high or low depending on belt tension.



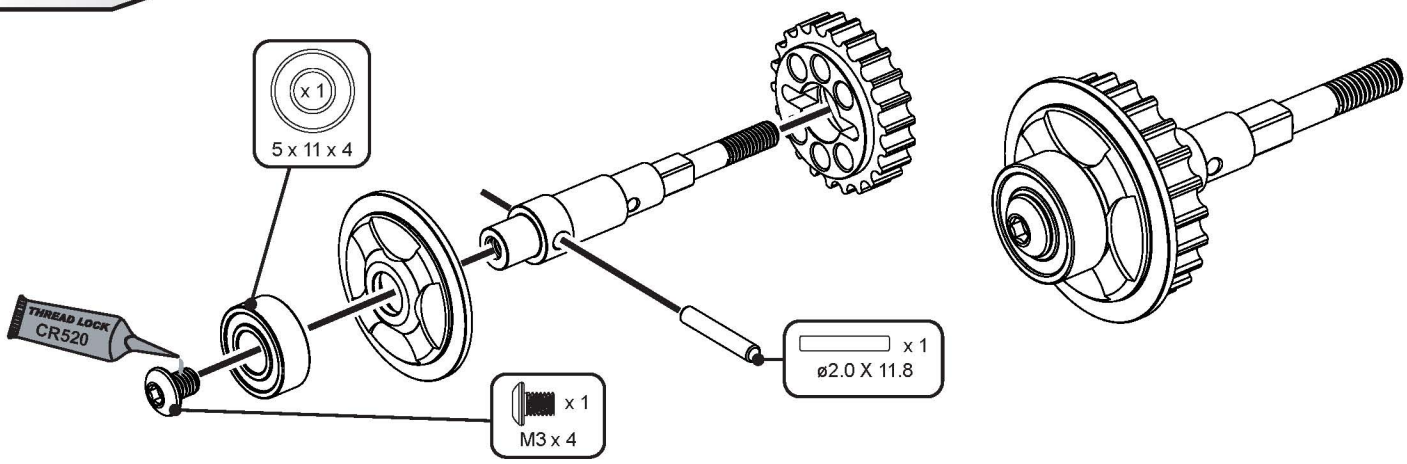
Assemble the belt tensioner in the HIGH position.



Assemble the belt tensioner fully forward. (This will be set later)

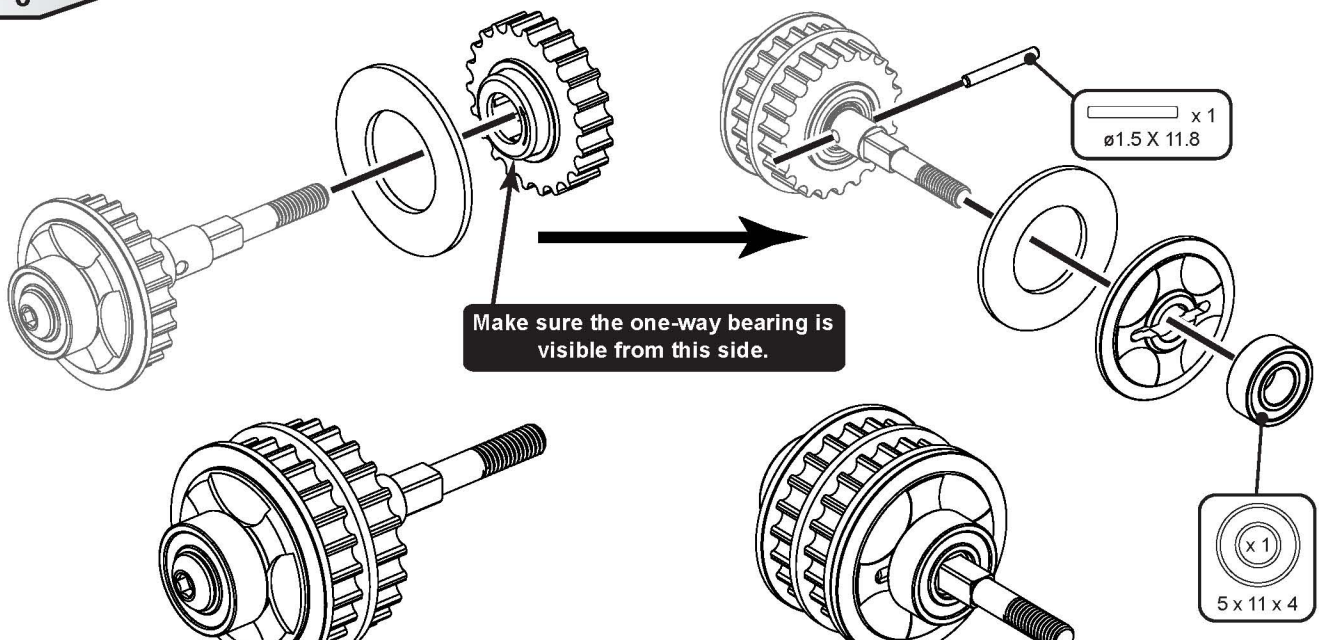


STEP 7



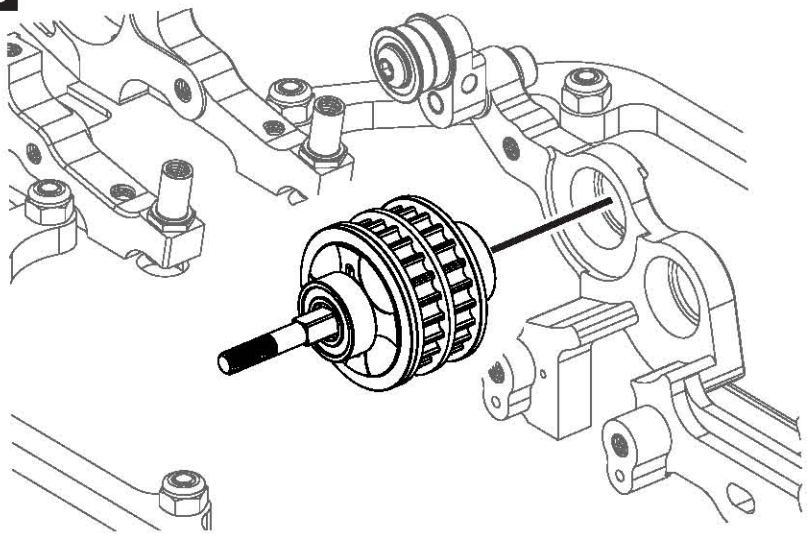
STEP 8

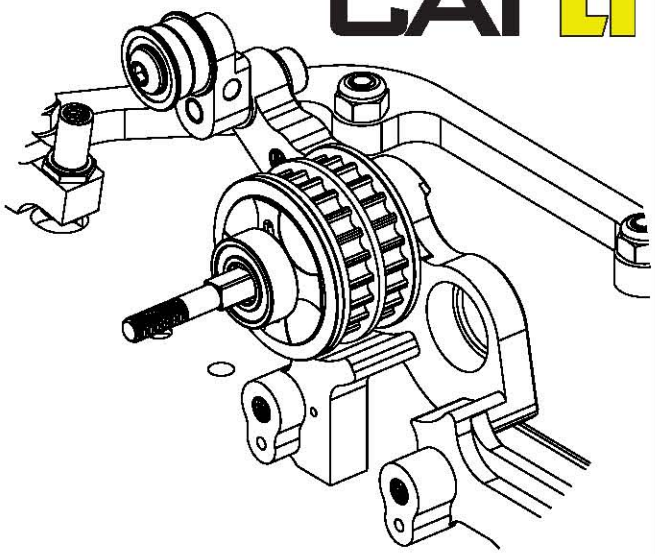
A



STEP 8

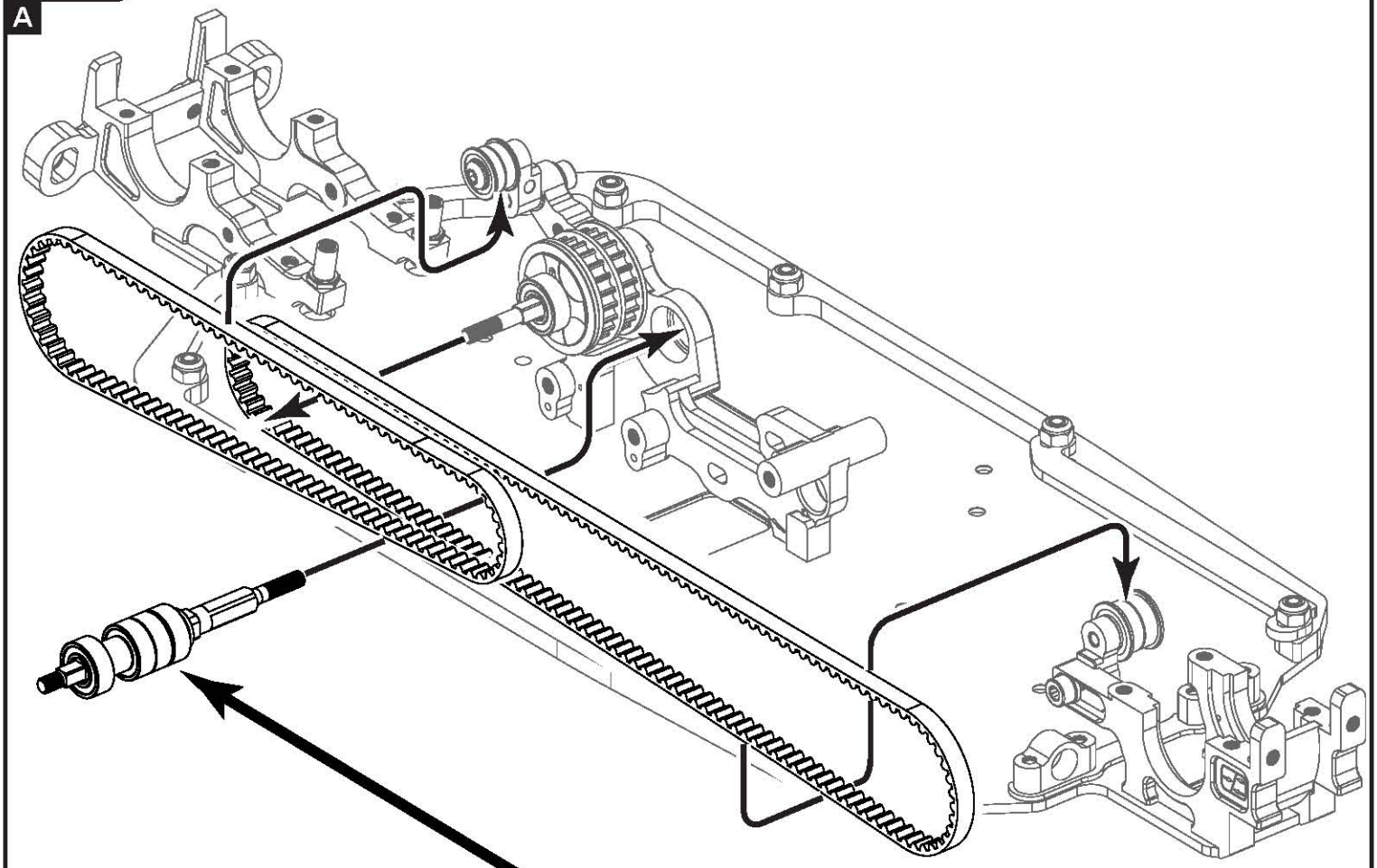
B



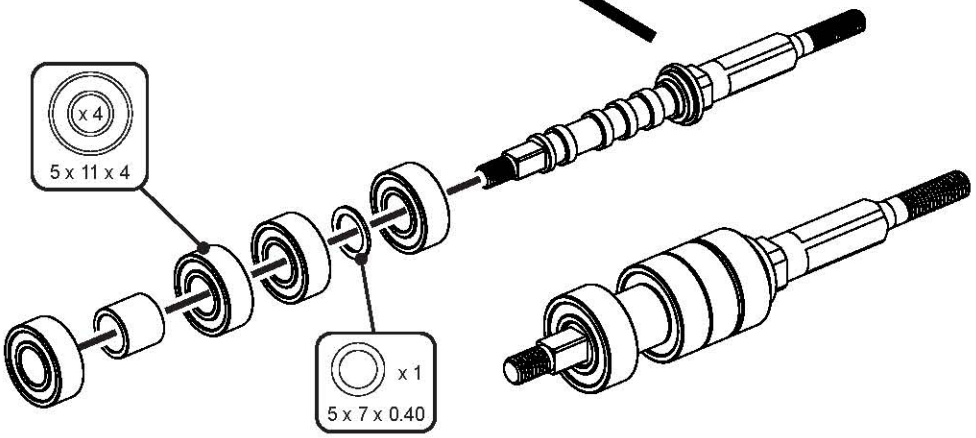


STEP 9

A

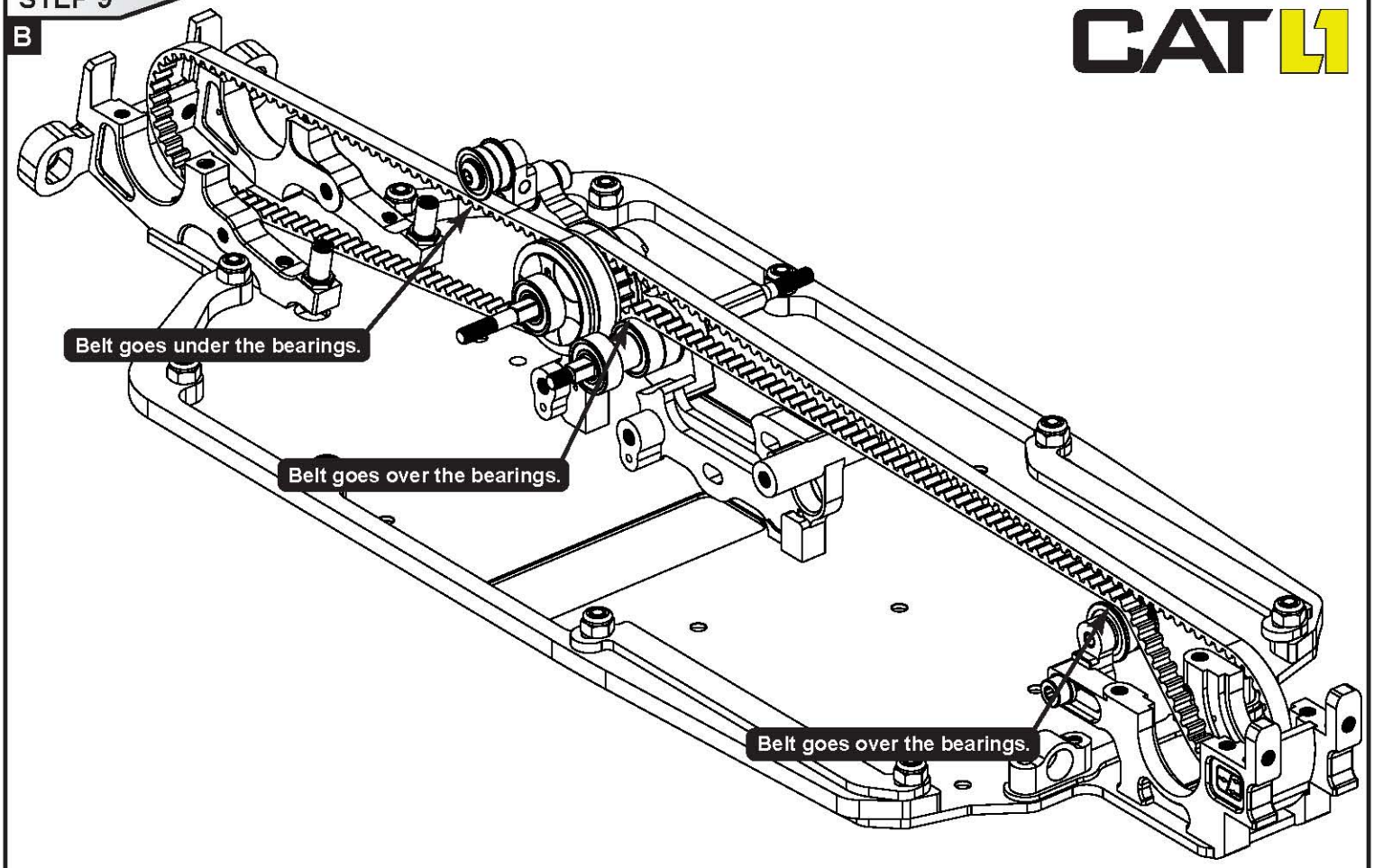


See next page for assembled view.

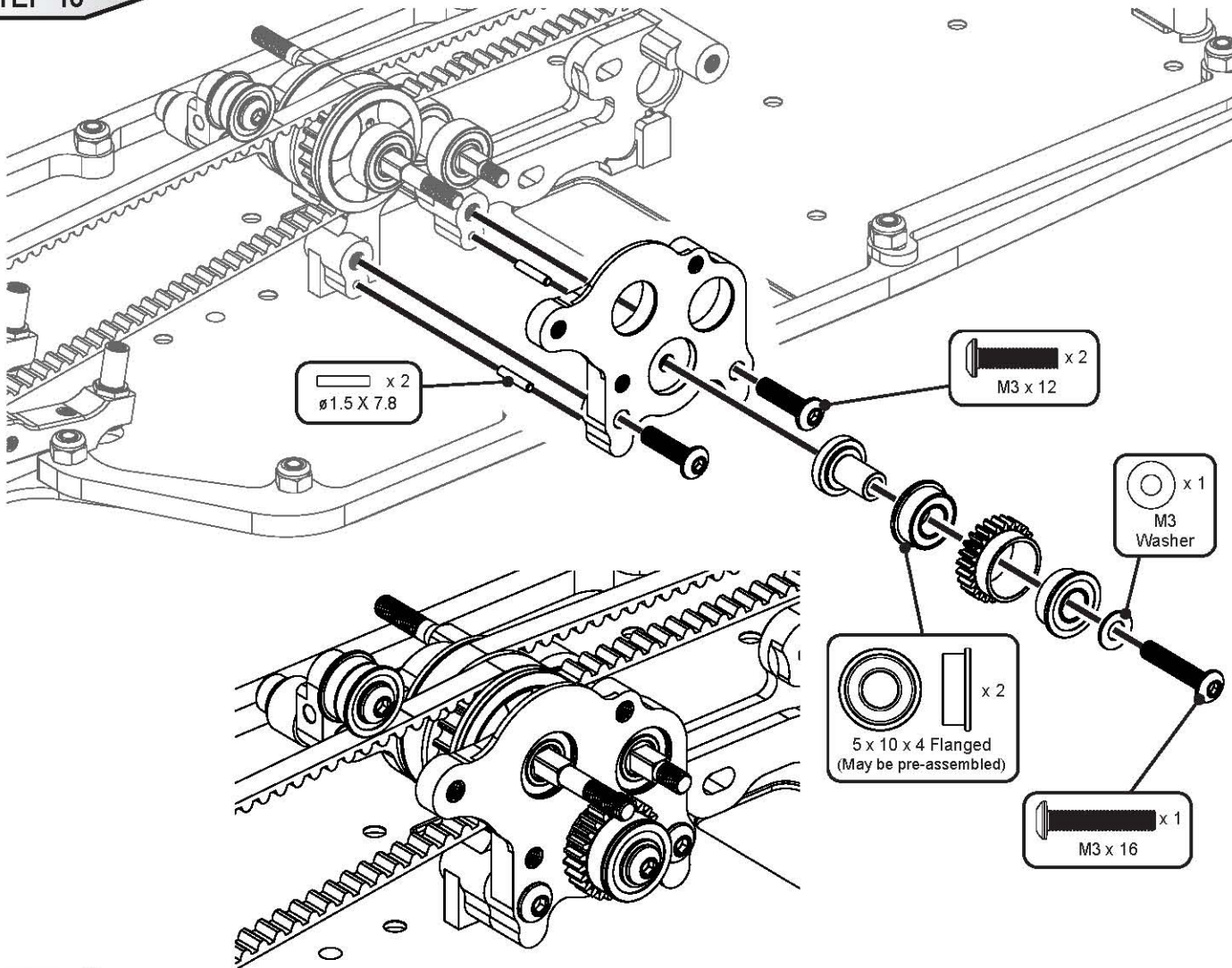


STEP 9

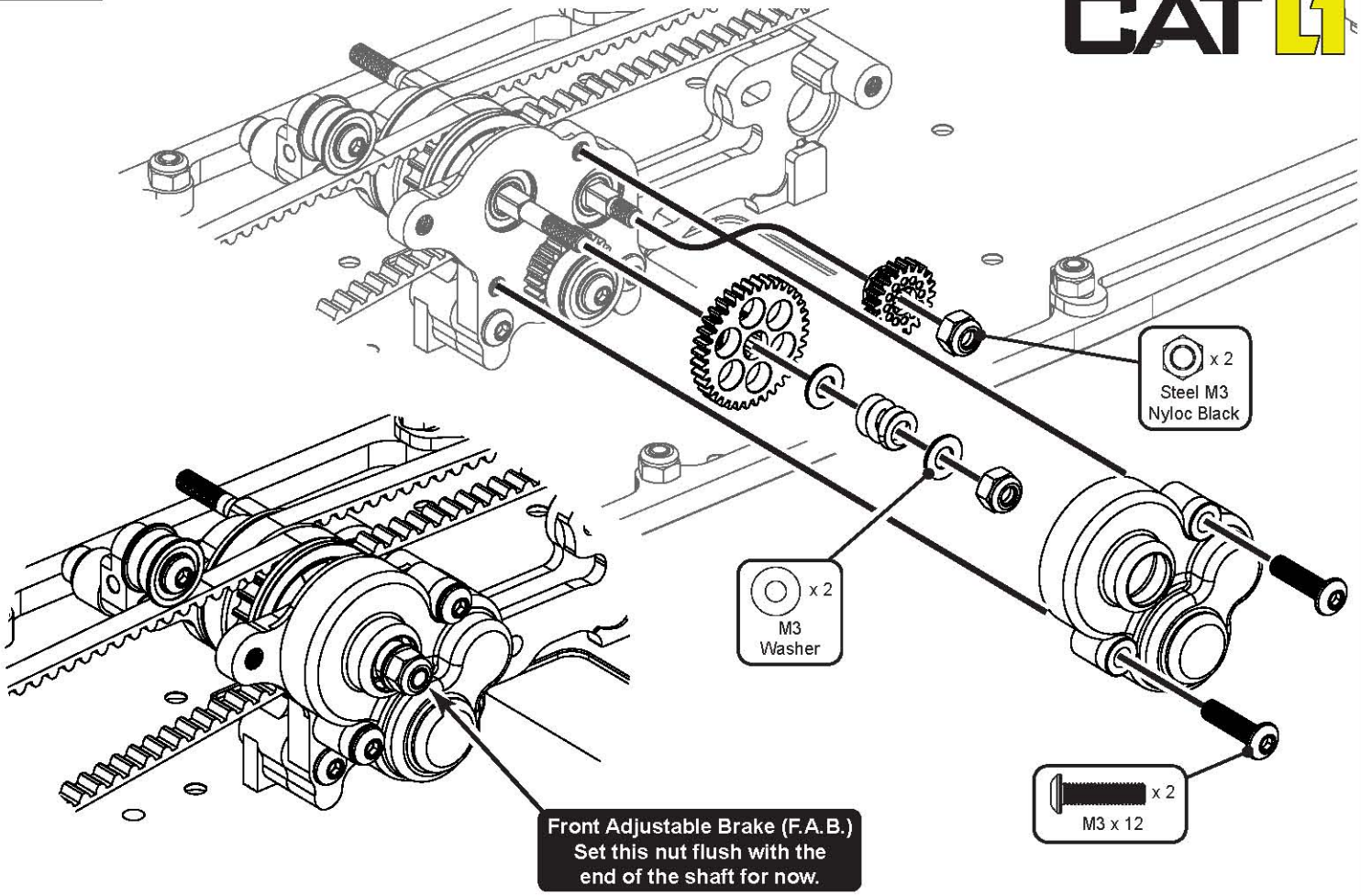
B



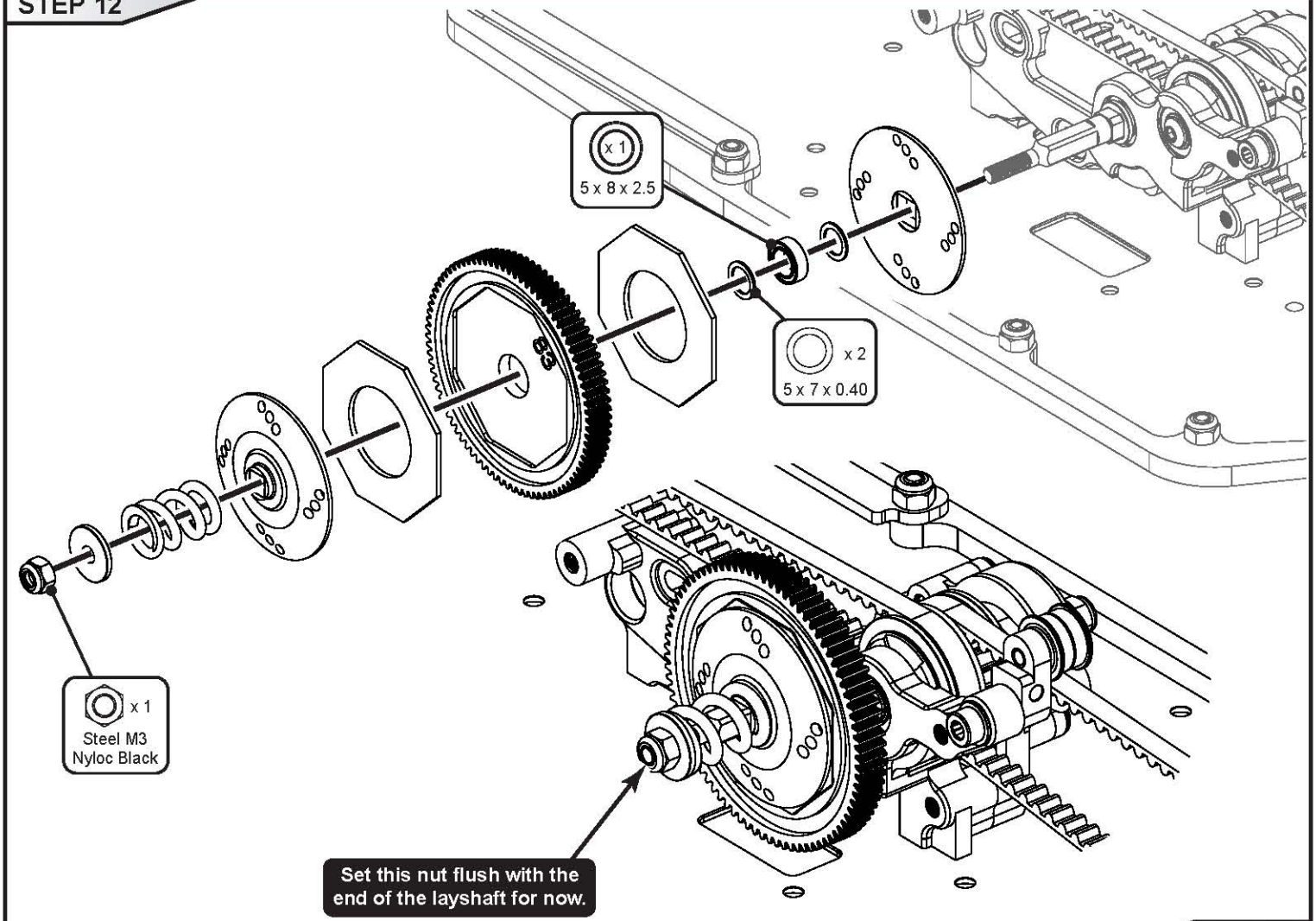
STEP 10



STEP 11

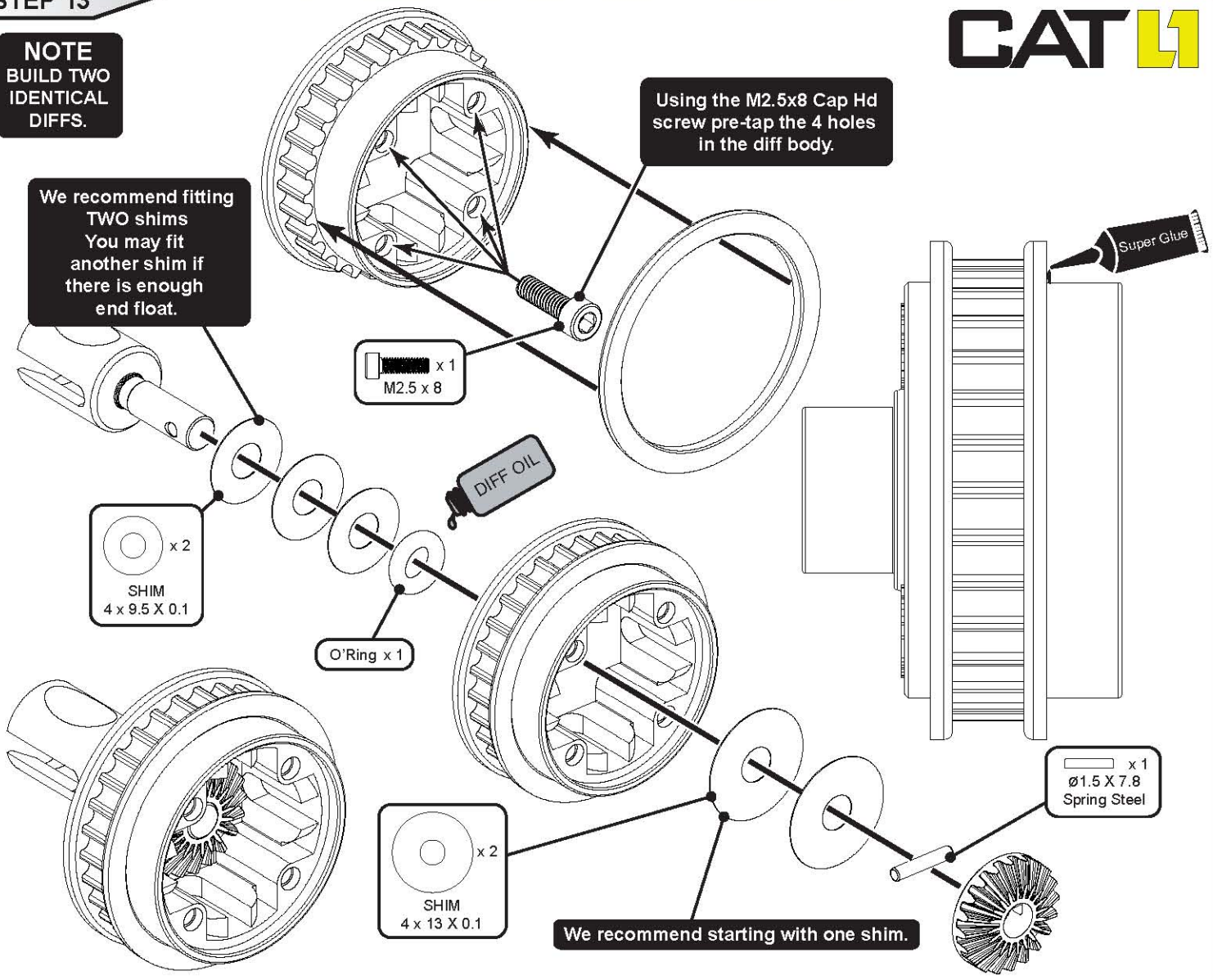


STEP 12

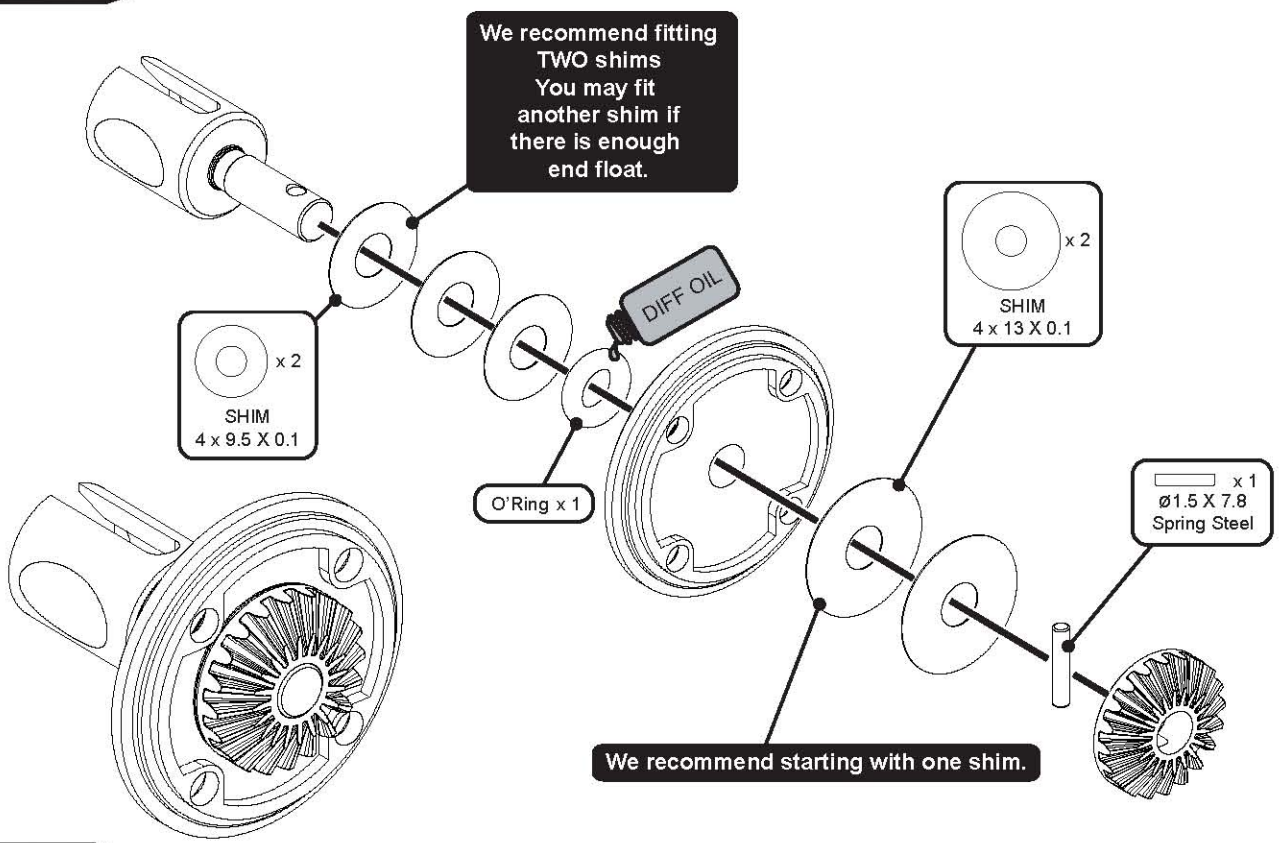


STEP 13

NOTE
BUILD TWO IDENTICAL DIFFS.

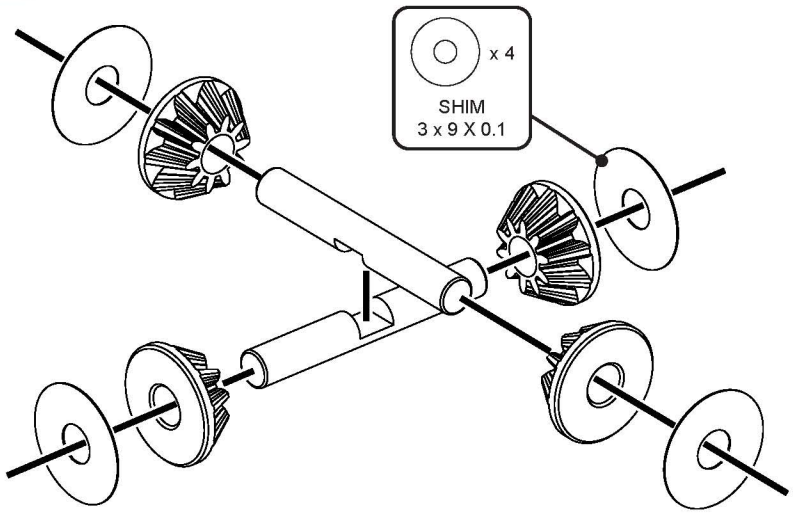


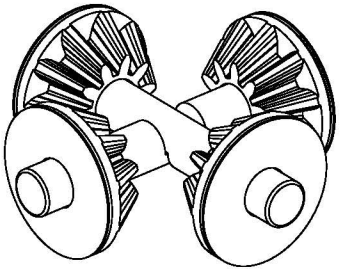
STEP 14



STEP 15

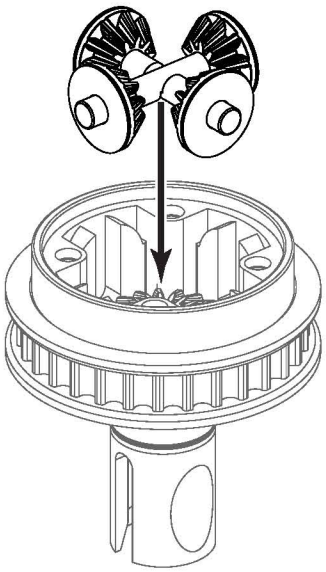
A

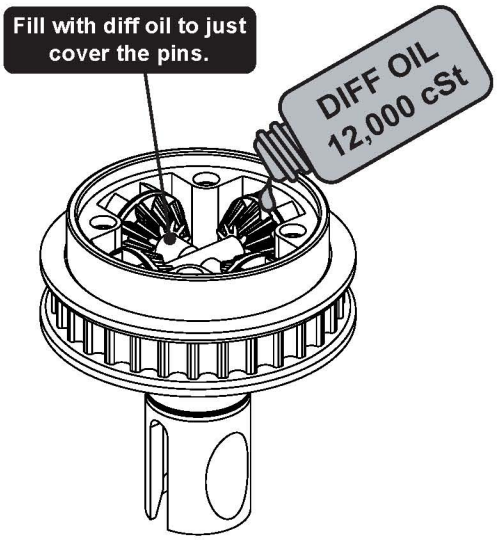




STEP 15

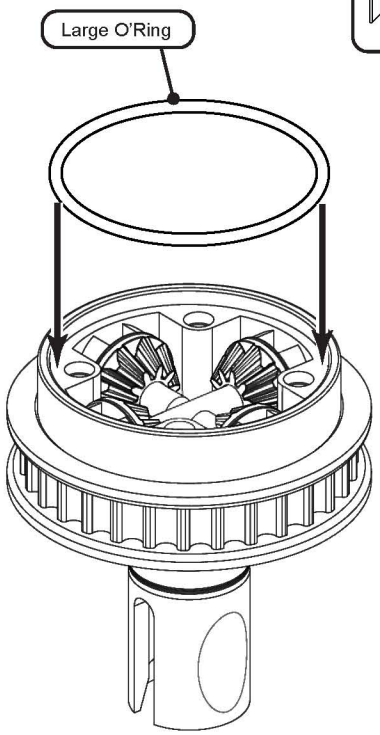
B

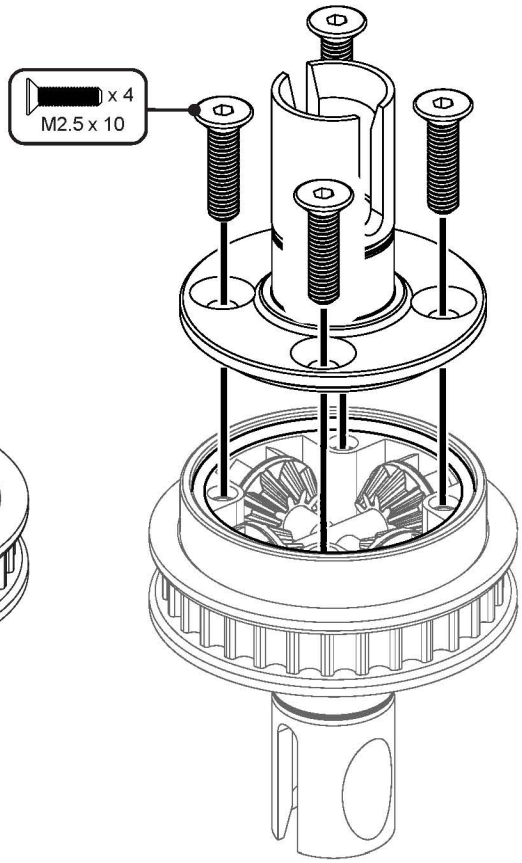




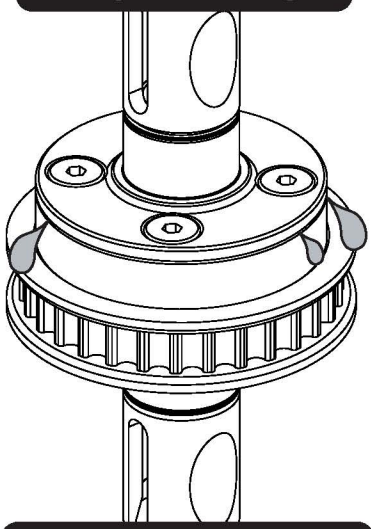
STEP 15

C





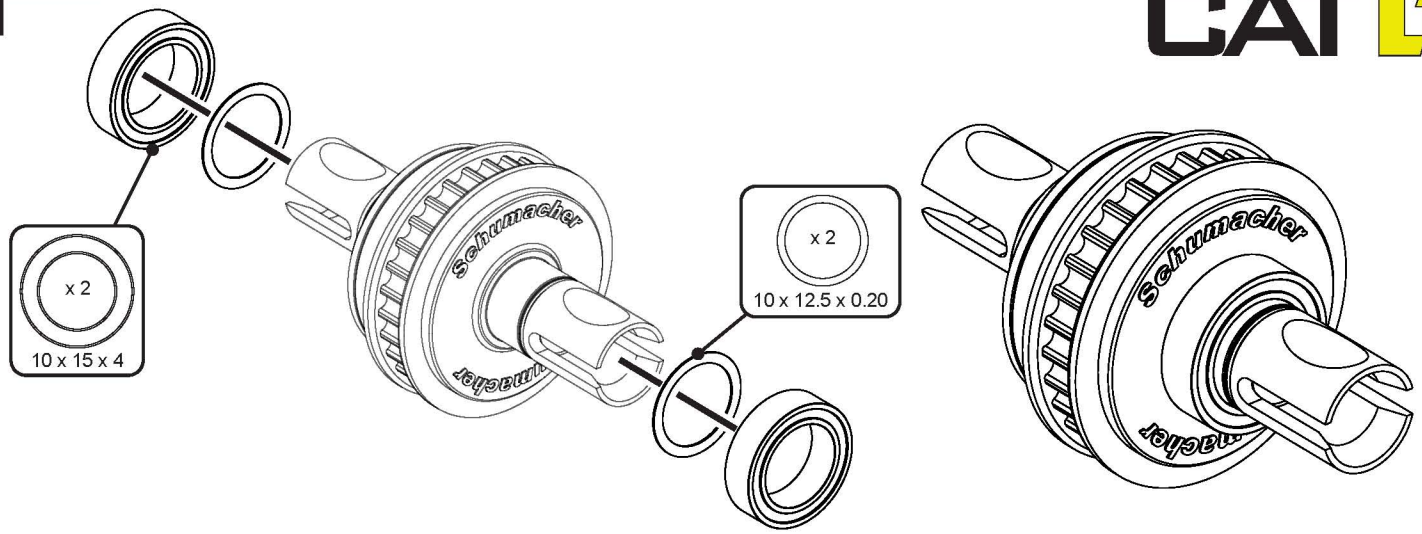
Feel the diff for internal gear mesh.
If too loose go back to Steps 13 or 14 and add a shim between the housing and the bevel gear.



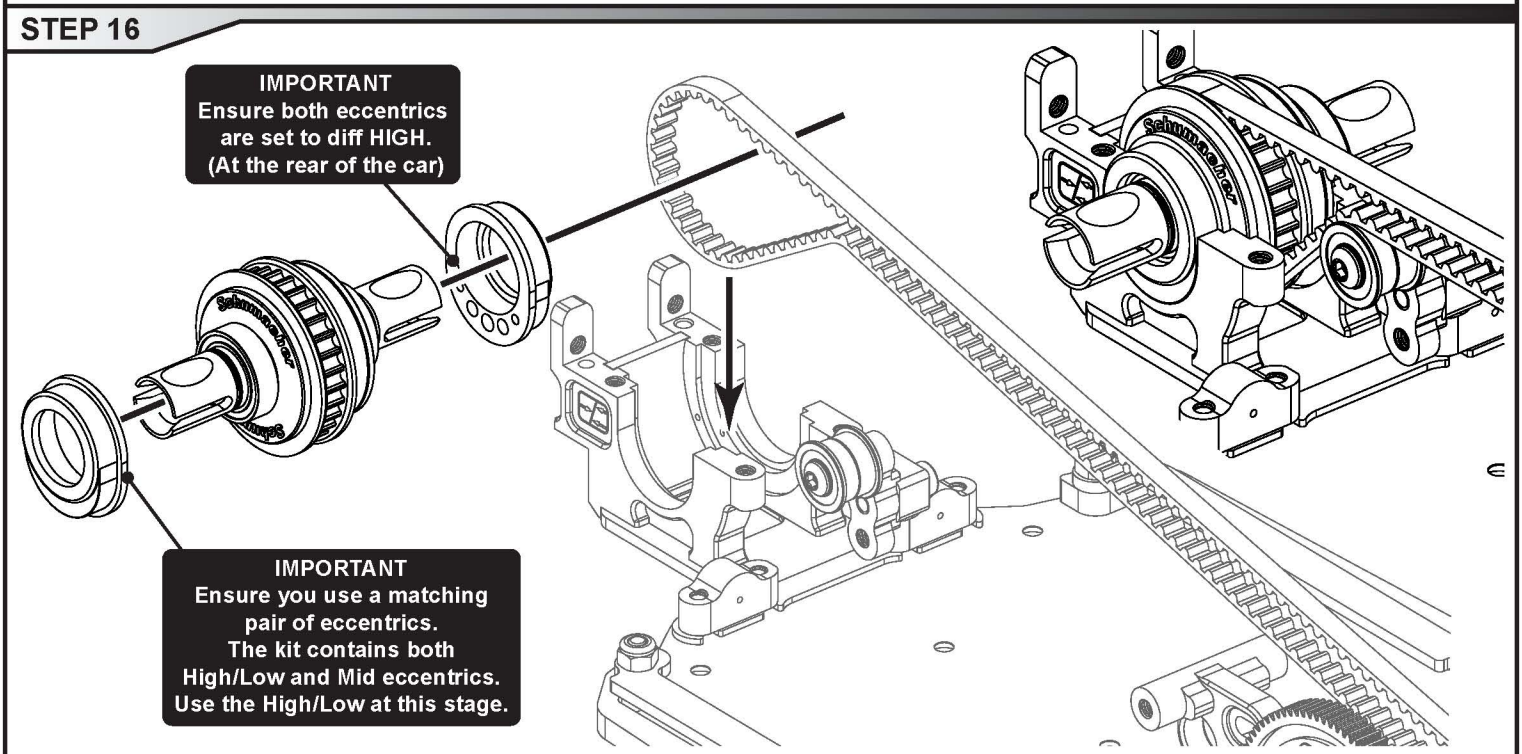
IMPORTANT
Remove any oil that has spilled onto the pulley teeth.

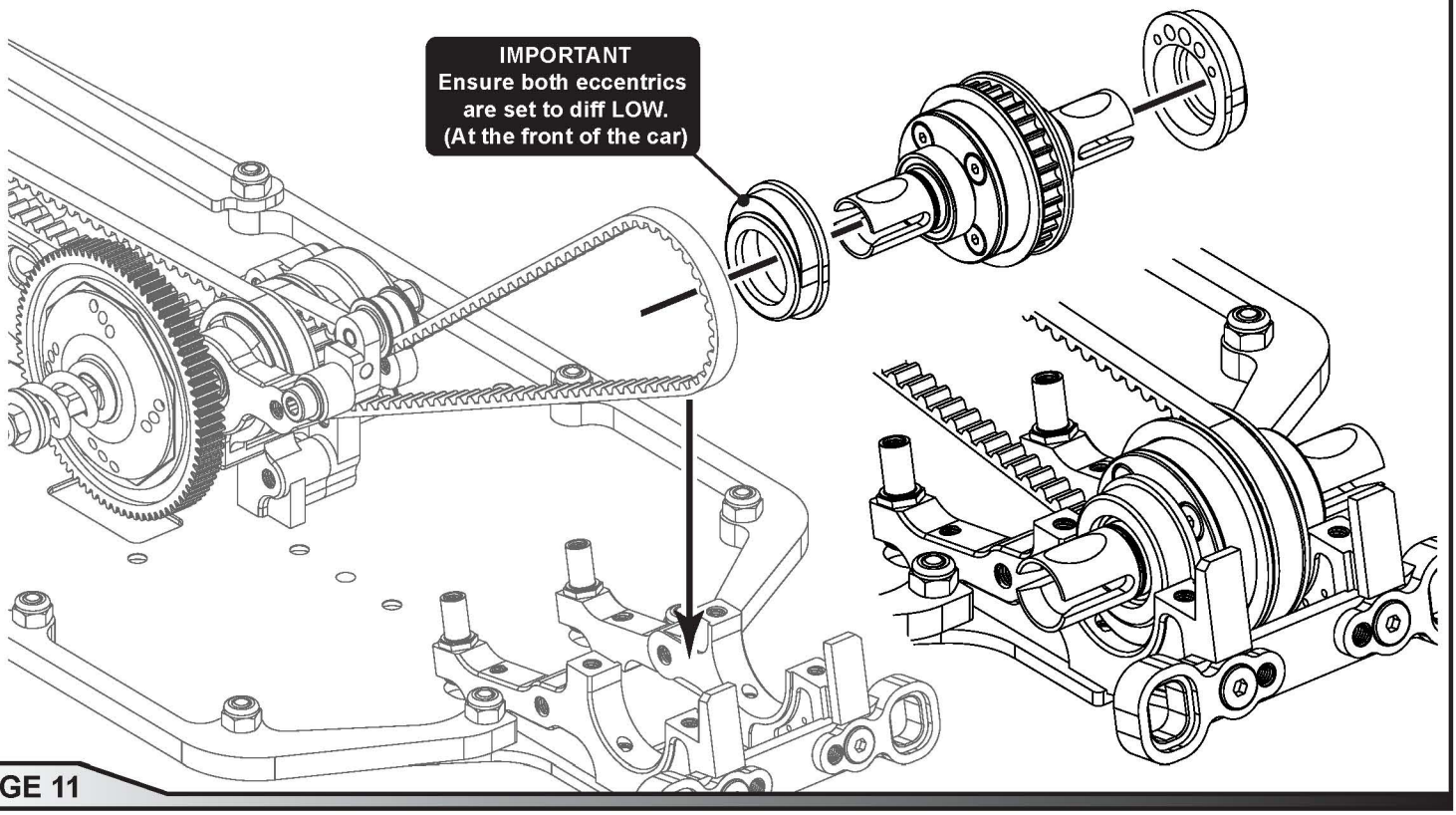
STEP 15

D

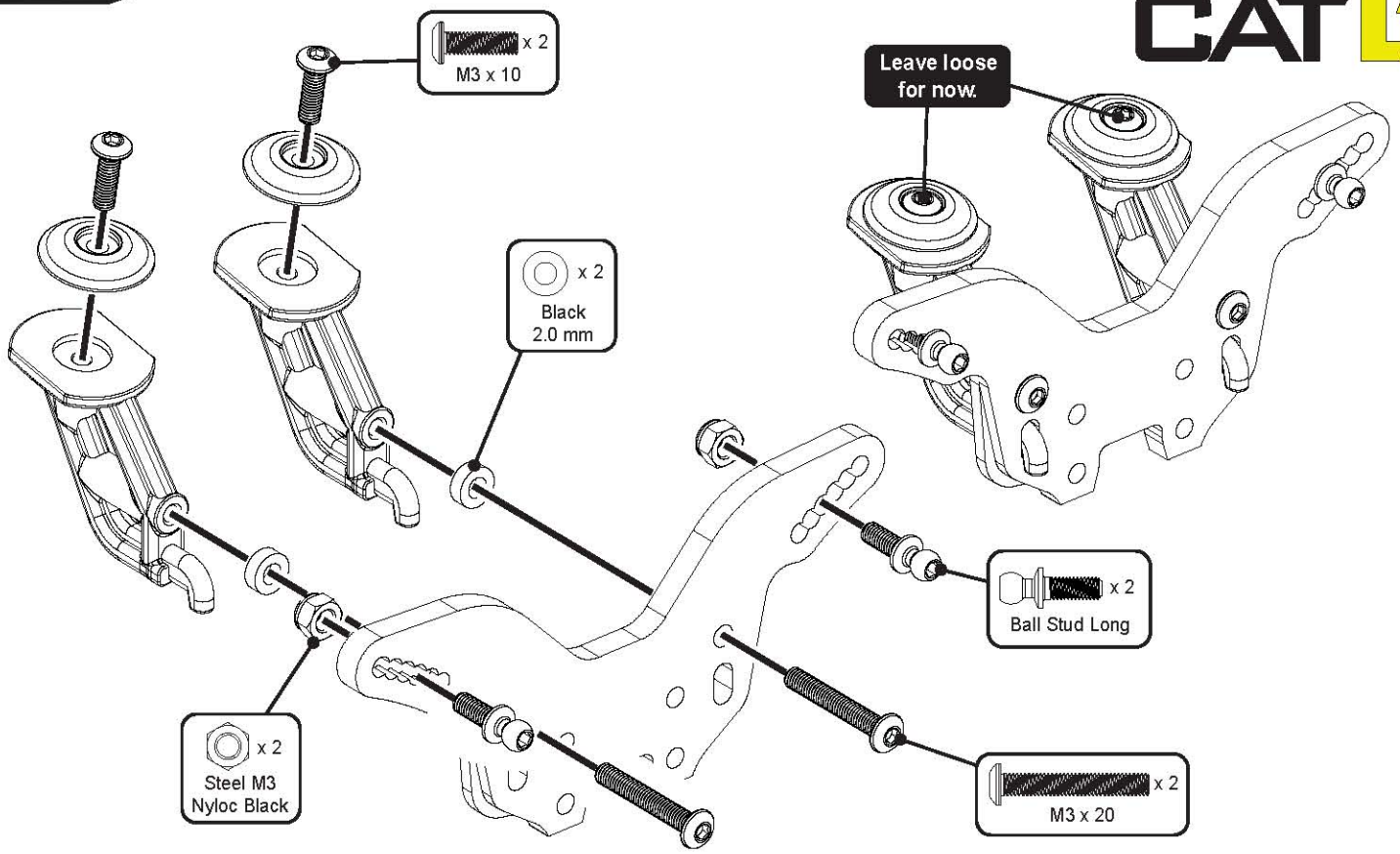


STEP 16



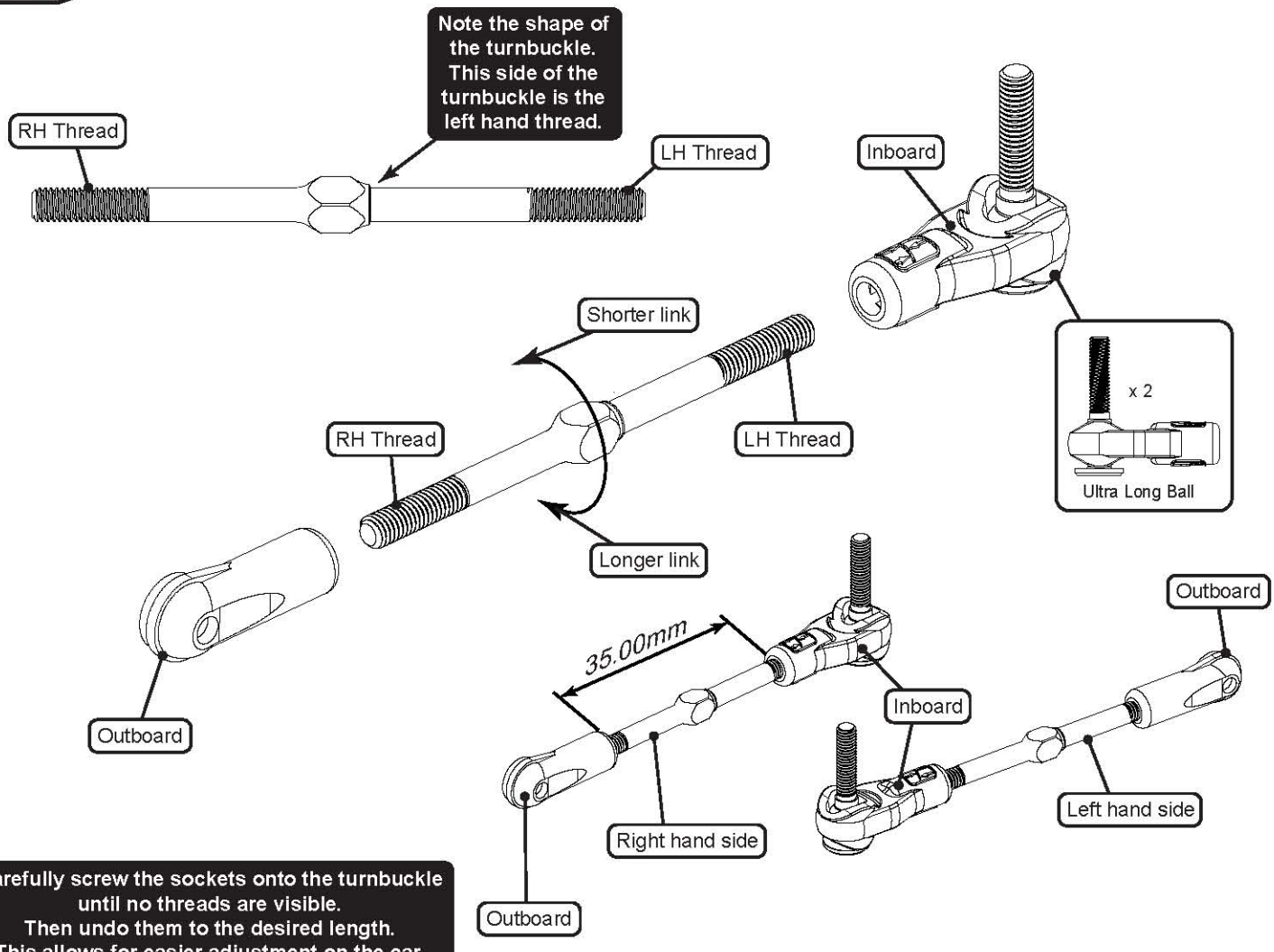


STEP 17



STEP 18

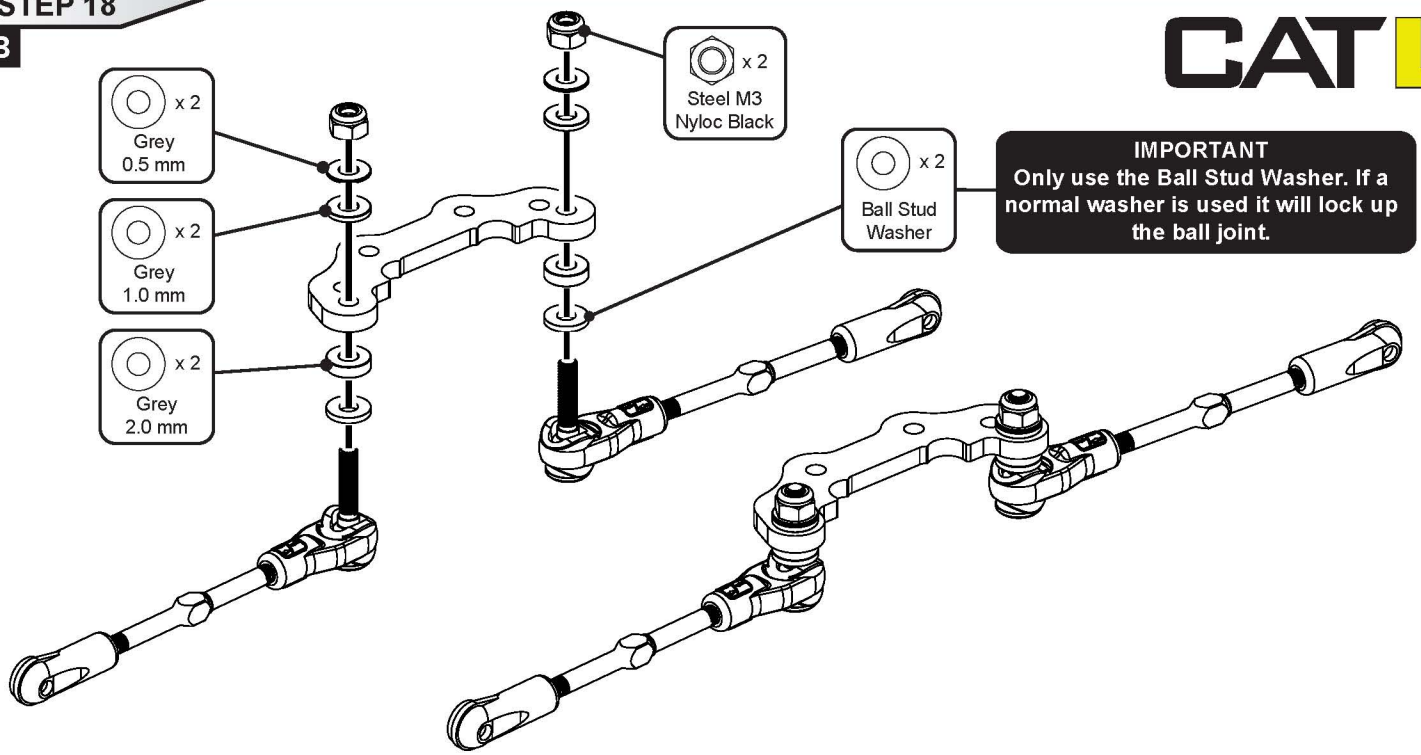
A



Carefully screw the sockets onto the turnbuckle until no threads are visible.
Then undo them to the desired length.
This allows for easier adjustment on the car.
(Greasing the threads will also help)

STEP 18

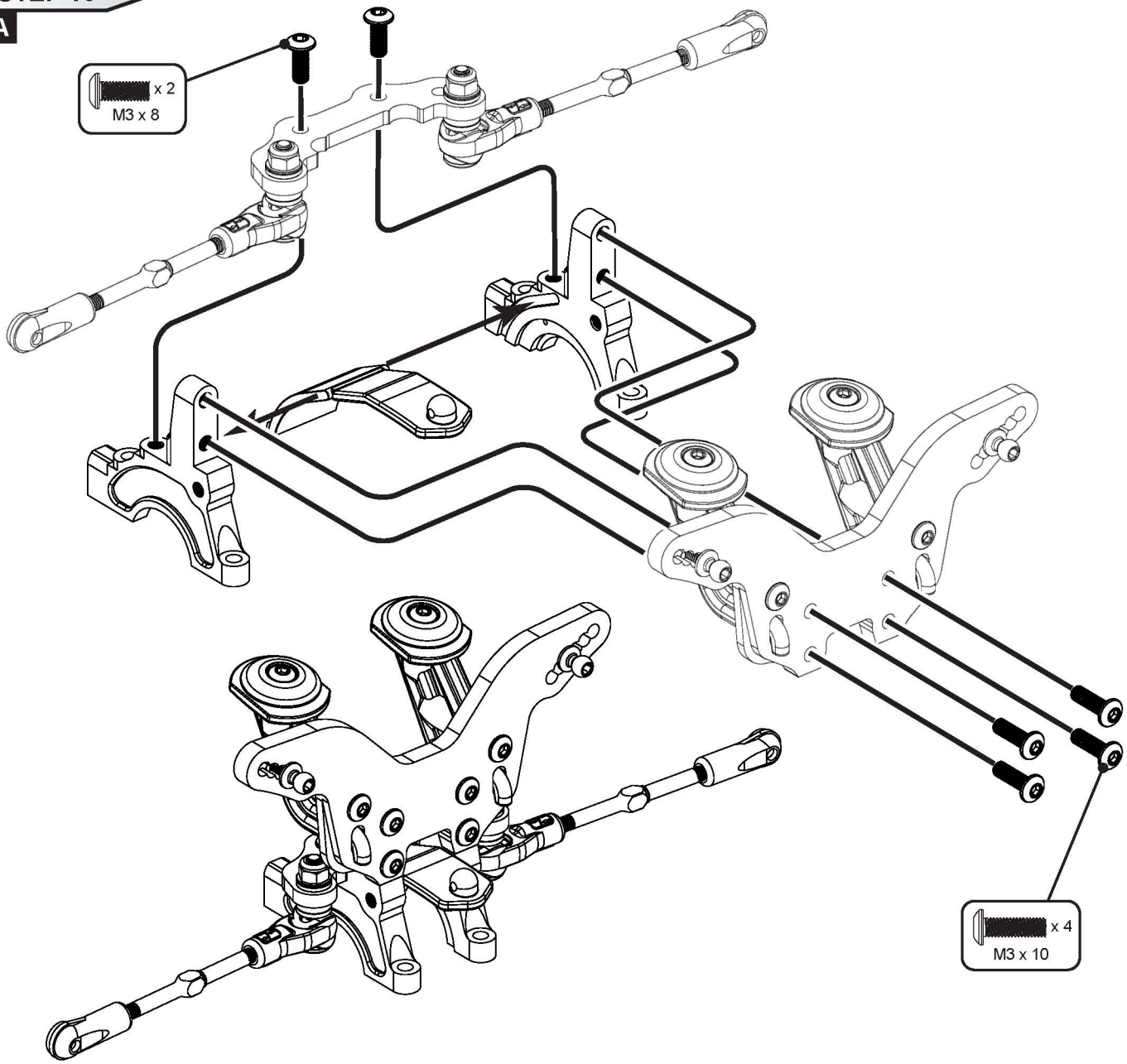
B



IMPORTANT
Only use the Ball Stud Washer. If a normal washer is used it will lock up the ball joint.

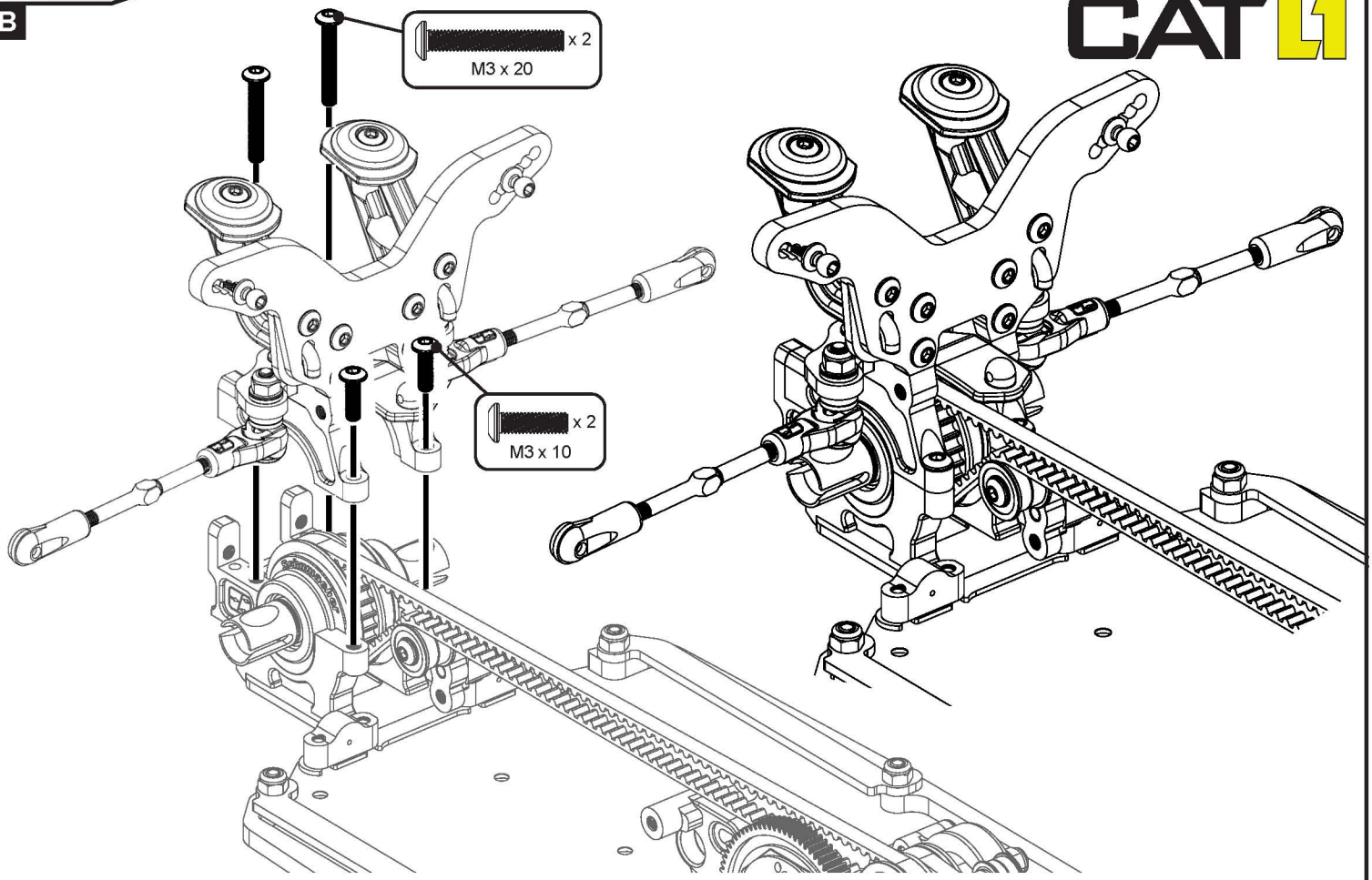
STEP 19

A



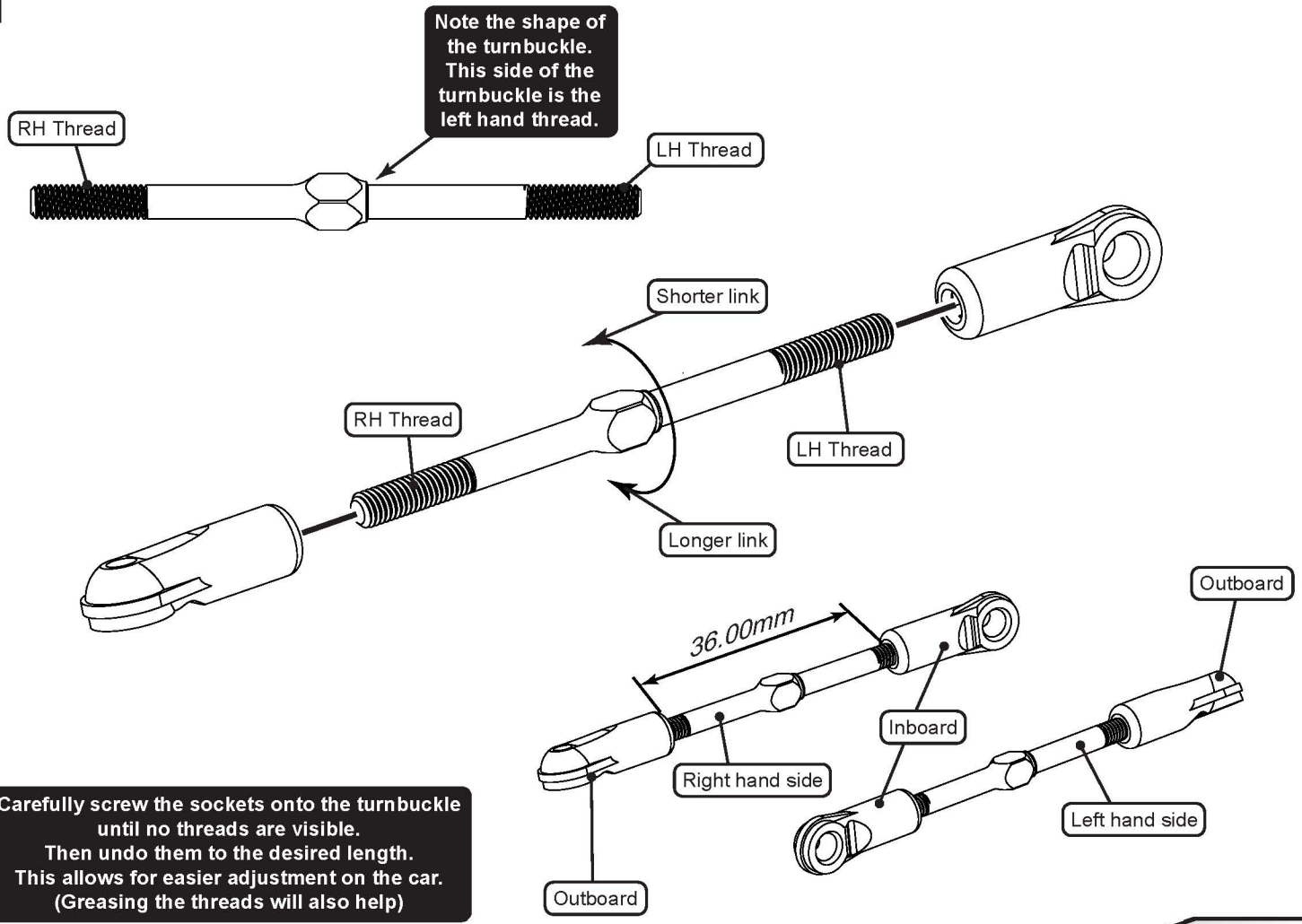
STEP 19

B



STEP 20

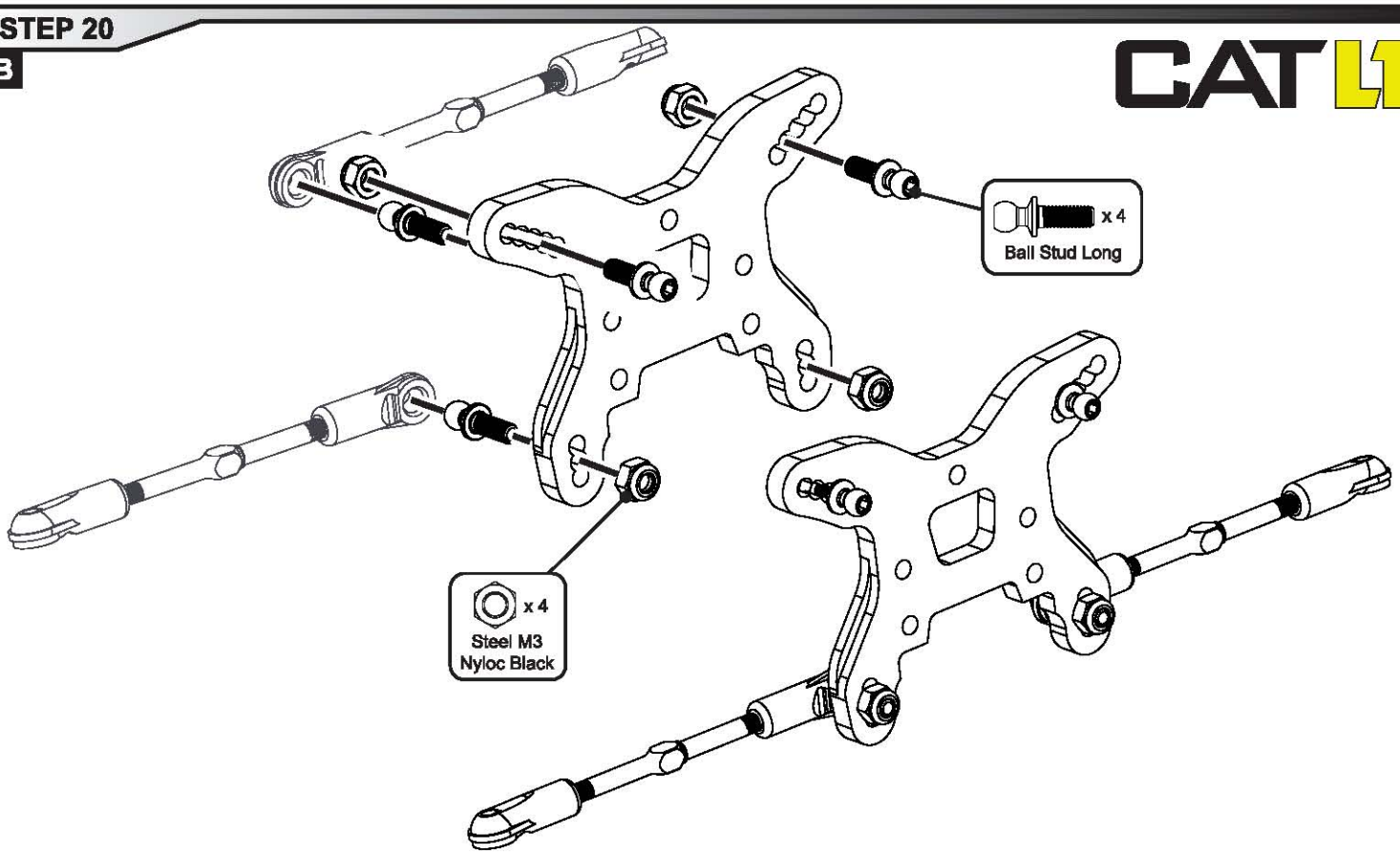
A



**Carefully screw the sockets onto the turnbuckle until no threads are visible.
Then undo them to the desired length.
This allows for easier adjustment on the car.
(Greasing the threads will also help)**

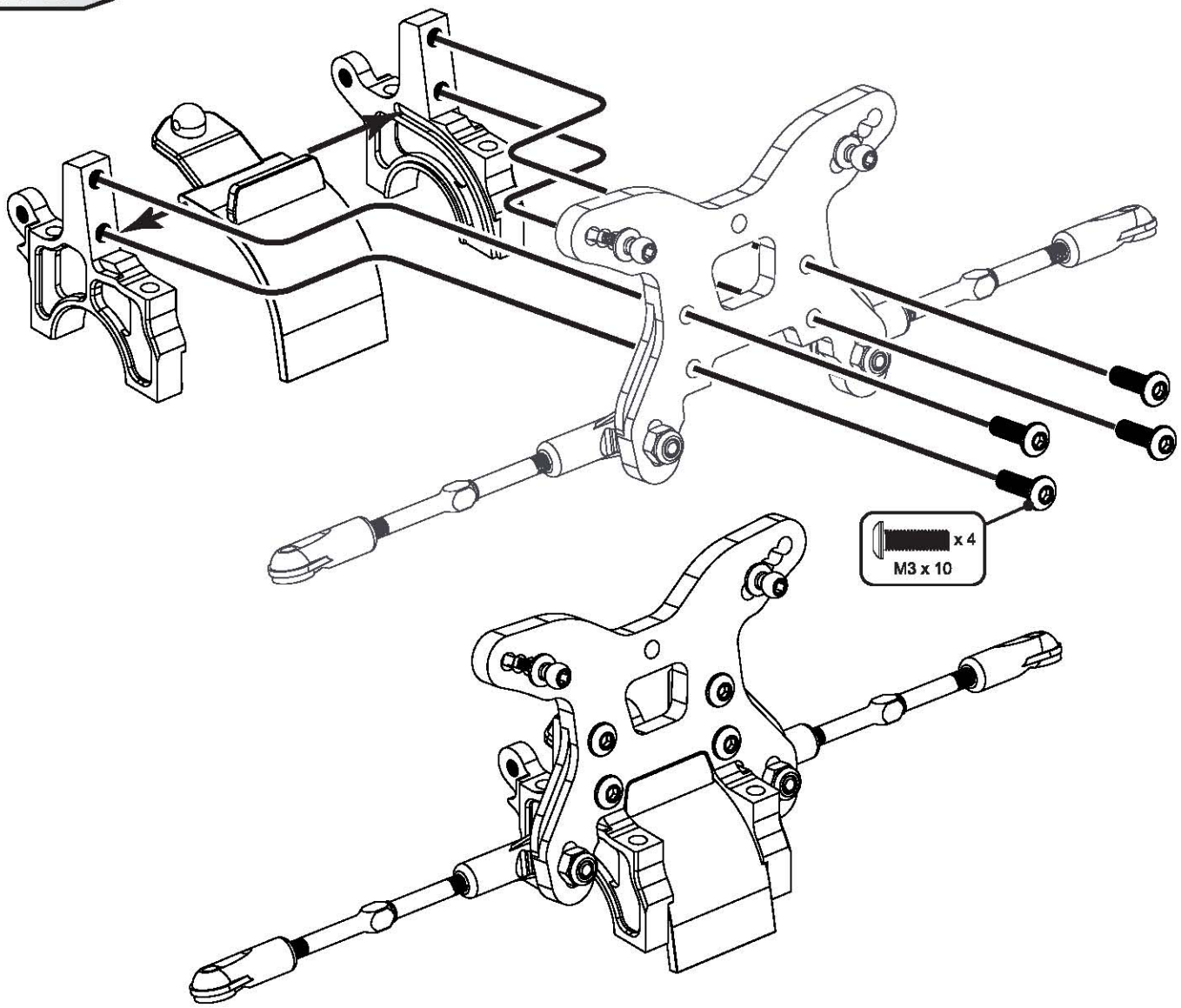
STEP 20

B



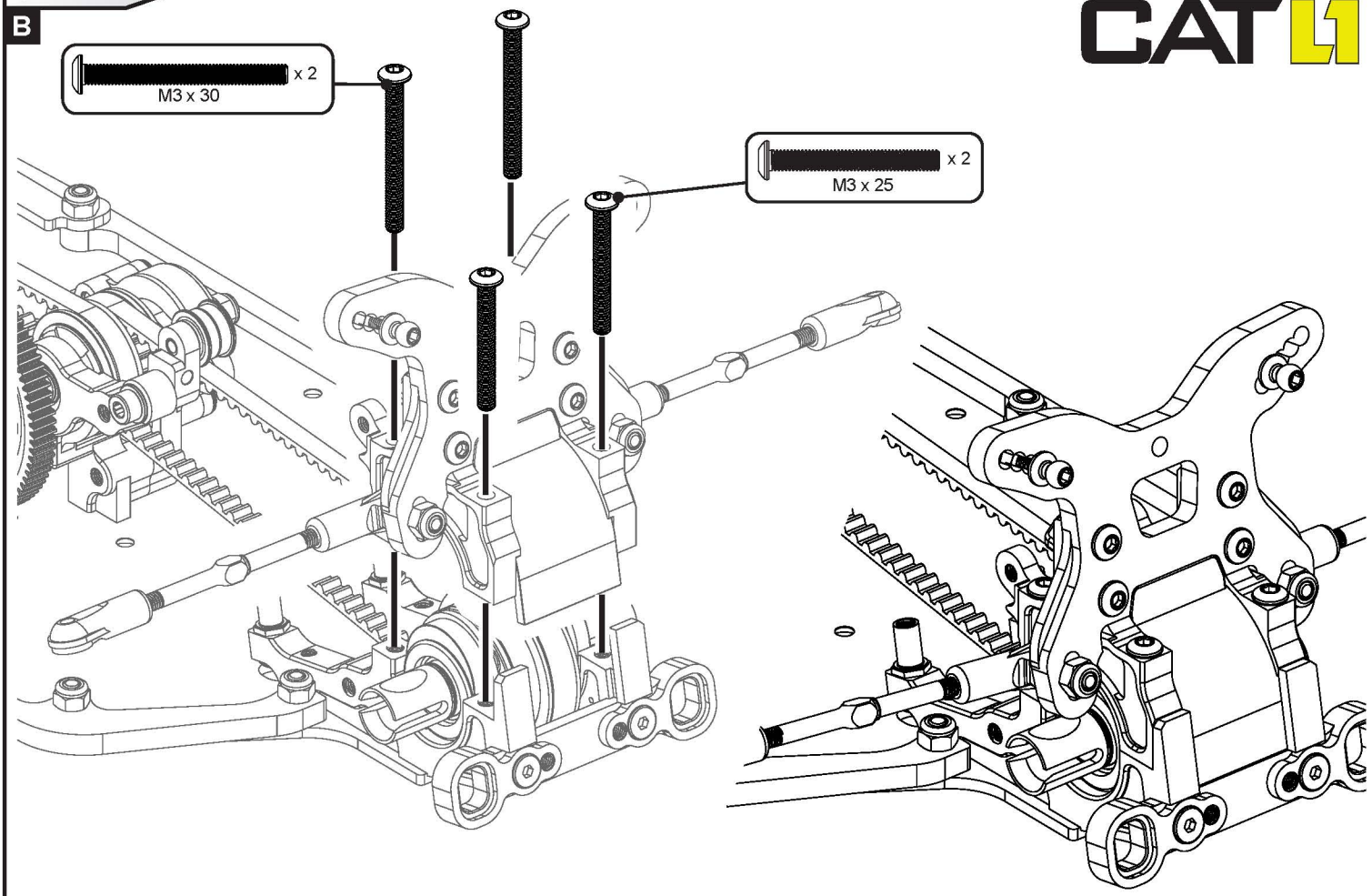
STEP 21

A

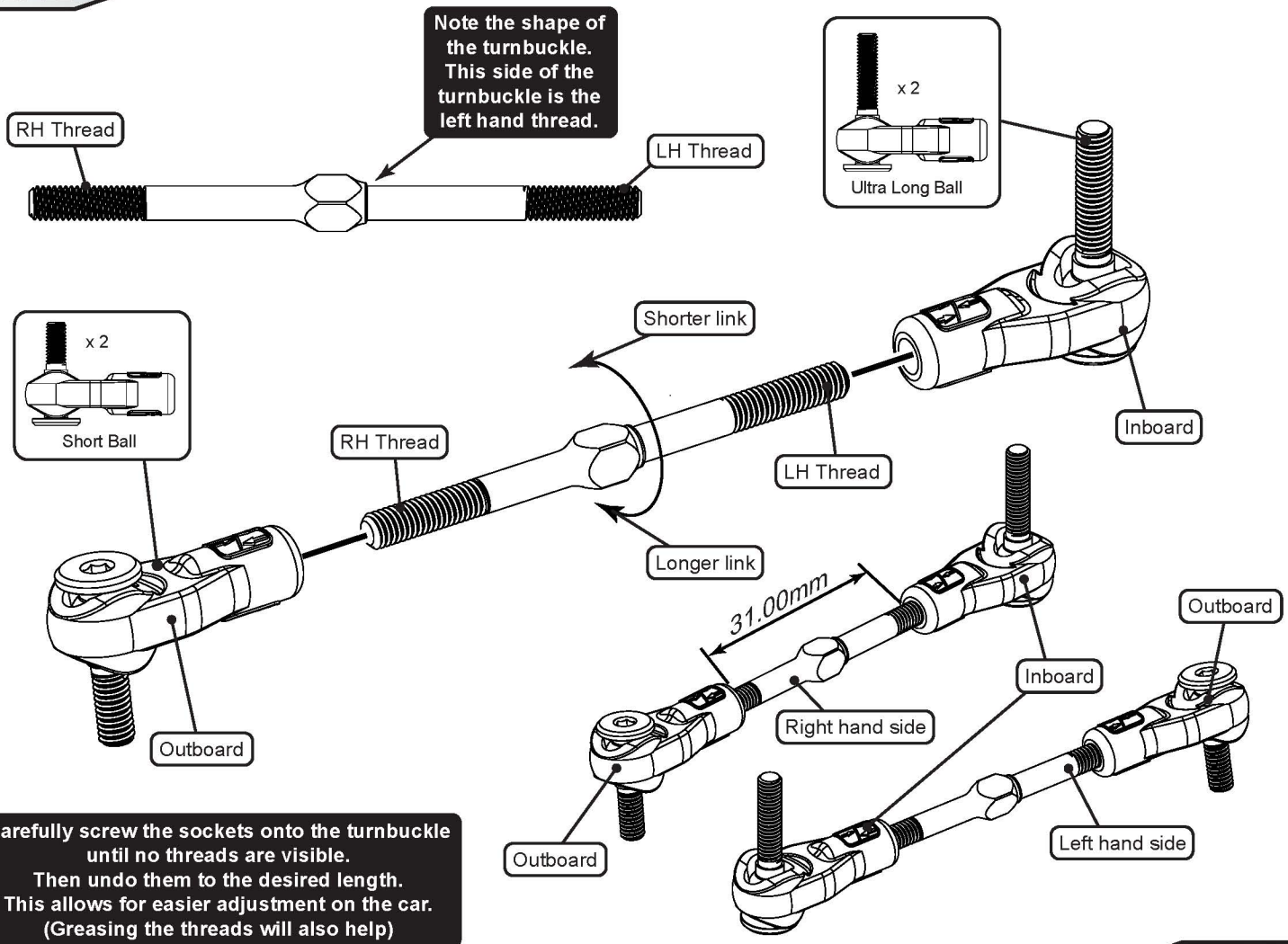


STEP 21

B

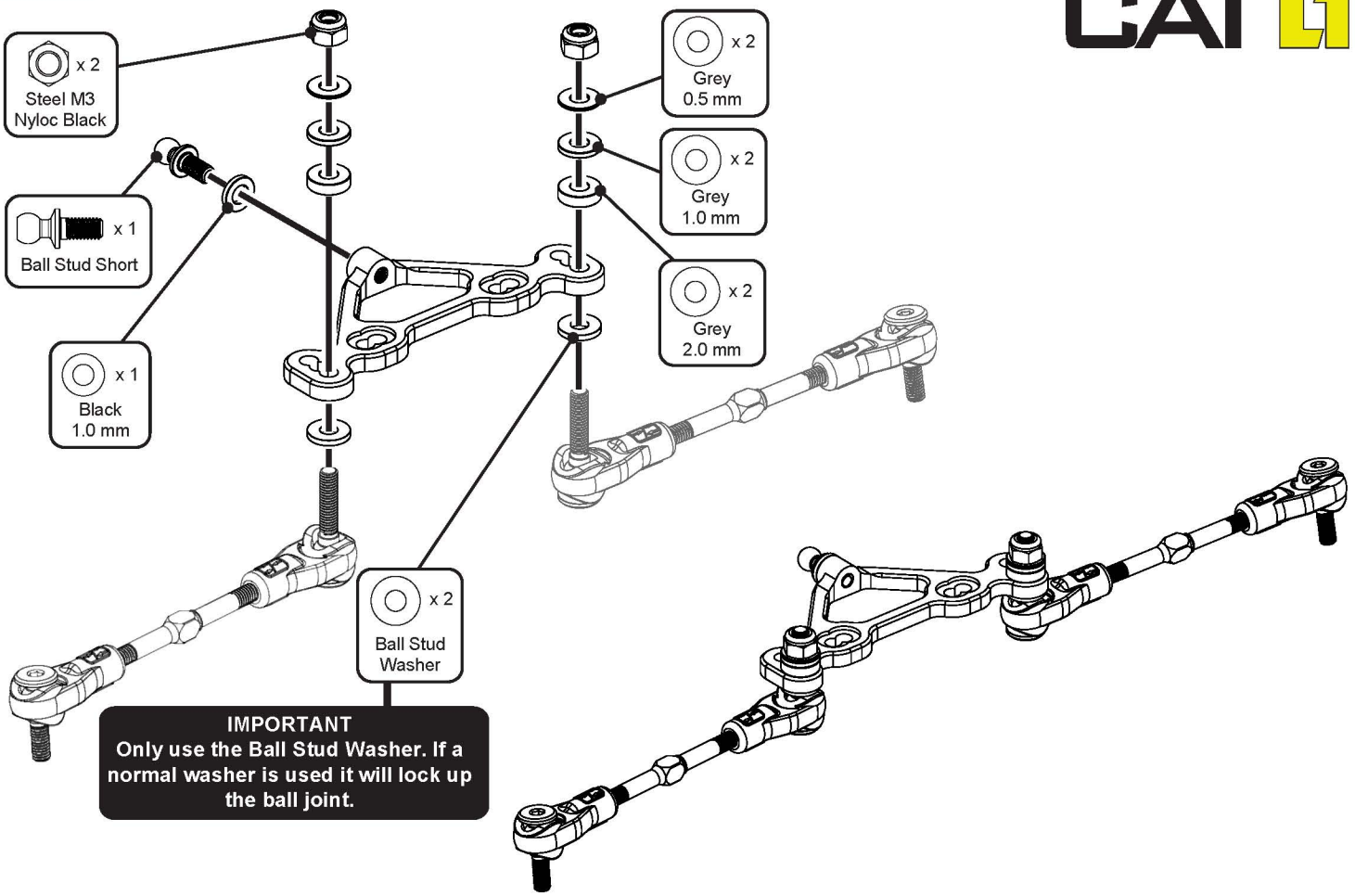


STEP 22



Carefully screw the sockets onto the turnbuckle until no threads are visible.
Then undo them to the desired length.
This allows for easier adjustment on the car.
(Greasing the threads will also help)

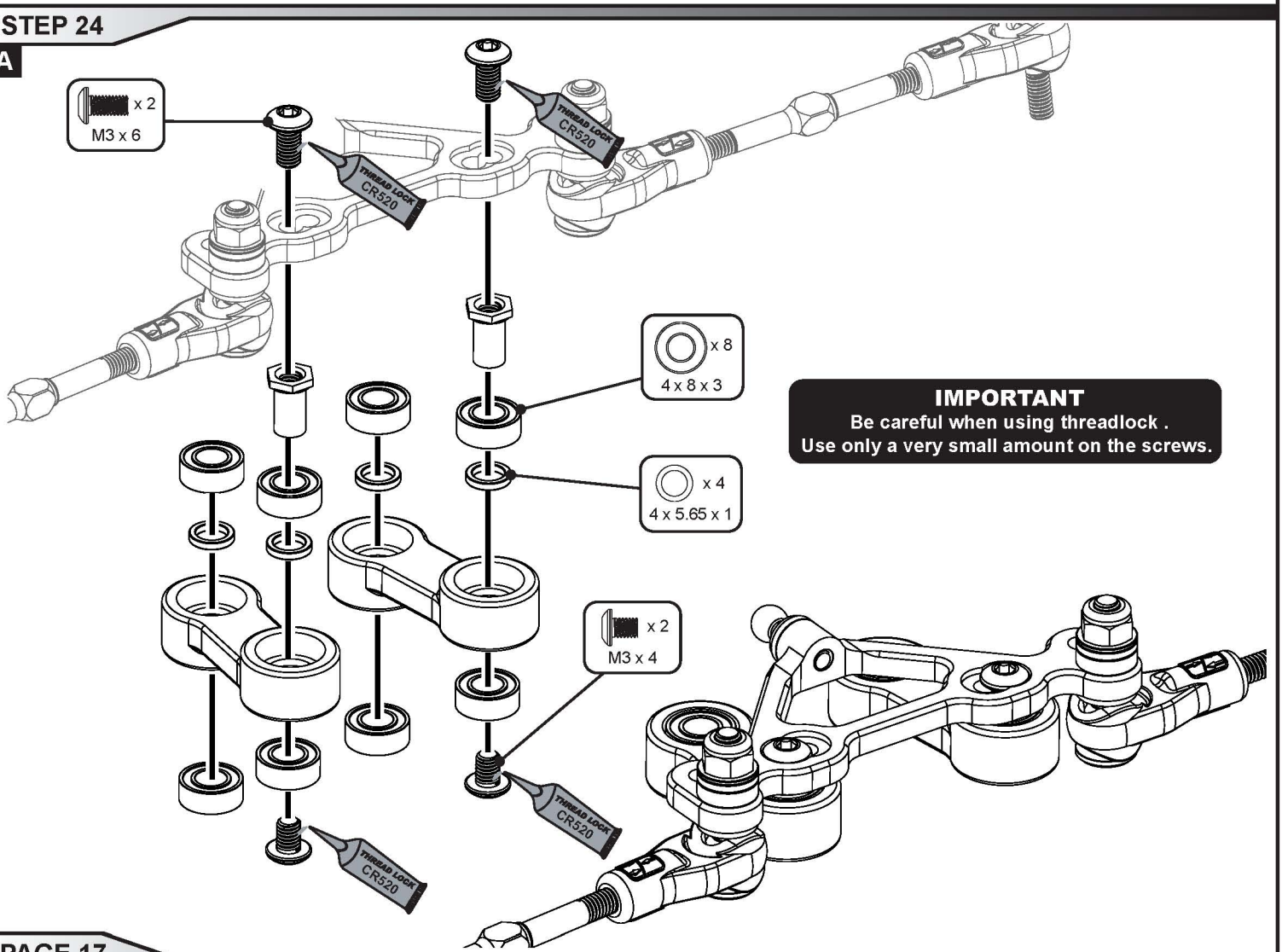
STEP 23



IMPORTANT
Only use the Ball Stud Washer. If a normal washer is used it will lock up the ball joint.

STEP 24

A

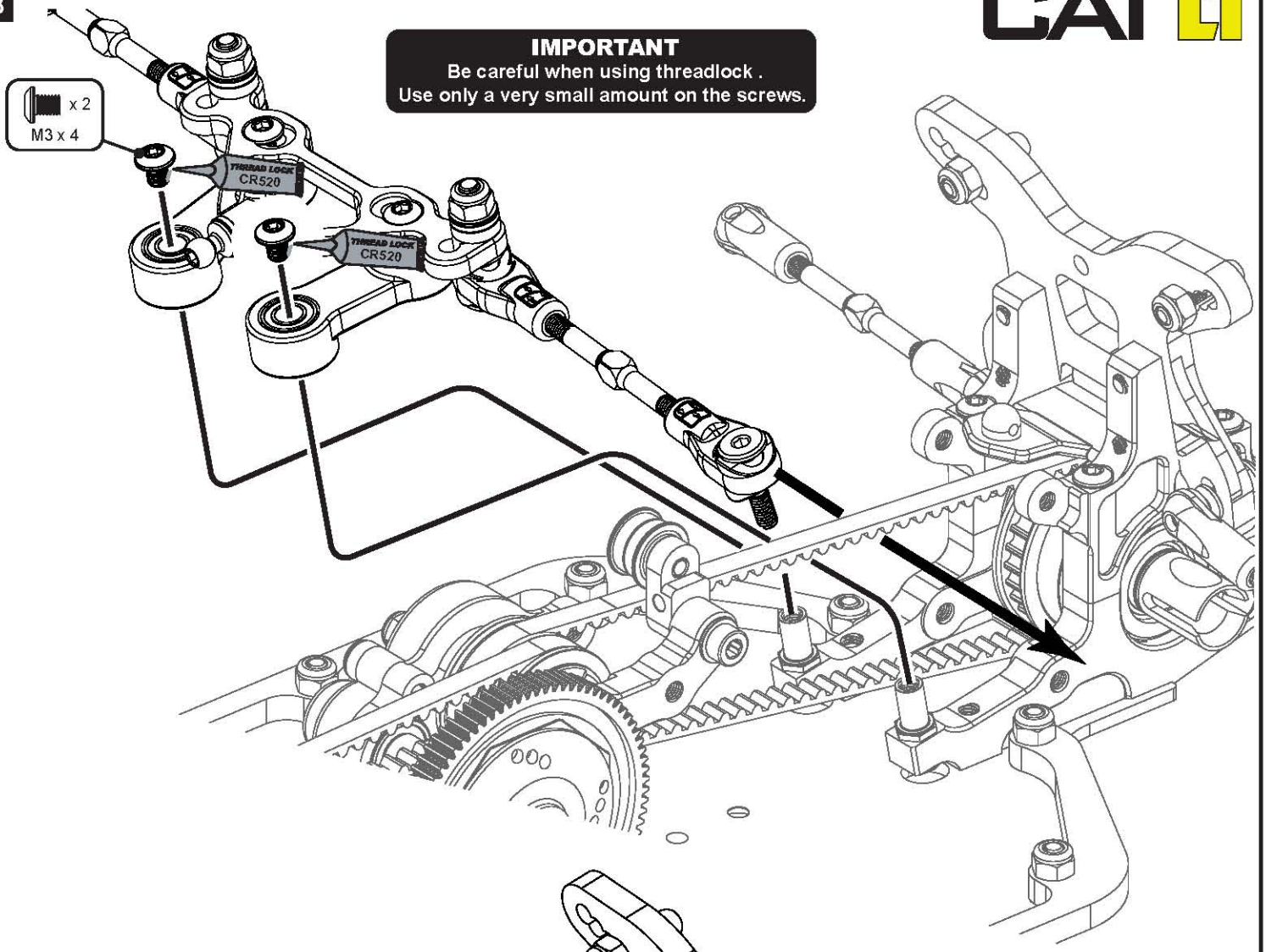


IMPORTANT
Be careful when using threadlock .
Use only a very small amount on the screws.

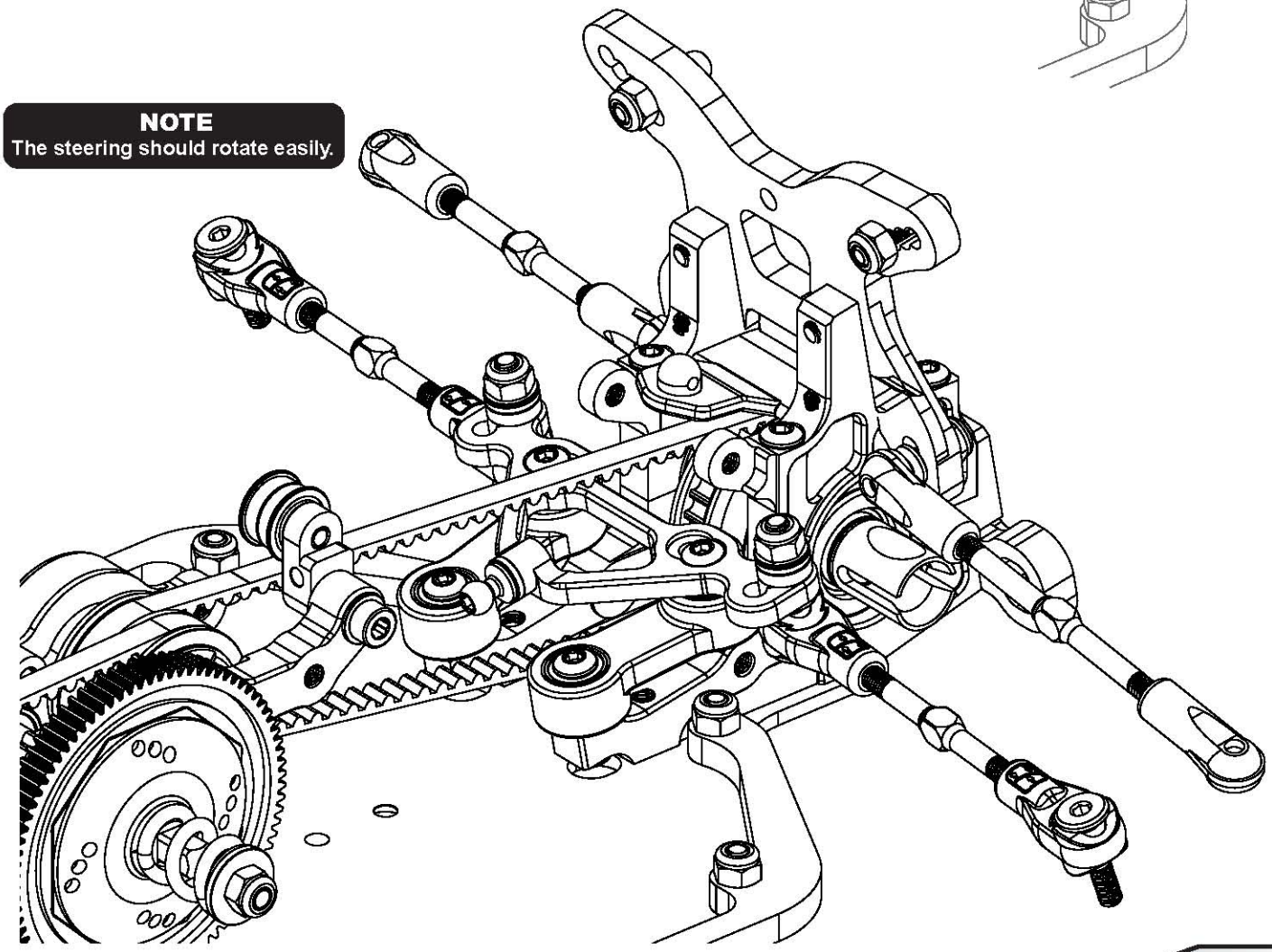
CAT L1

IMPORTANT
Be careful when using threadlock .
Use only a very small amount on the screws.

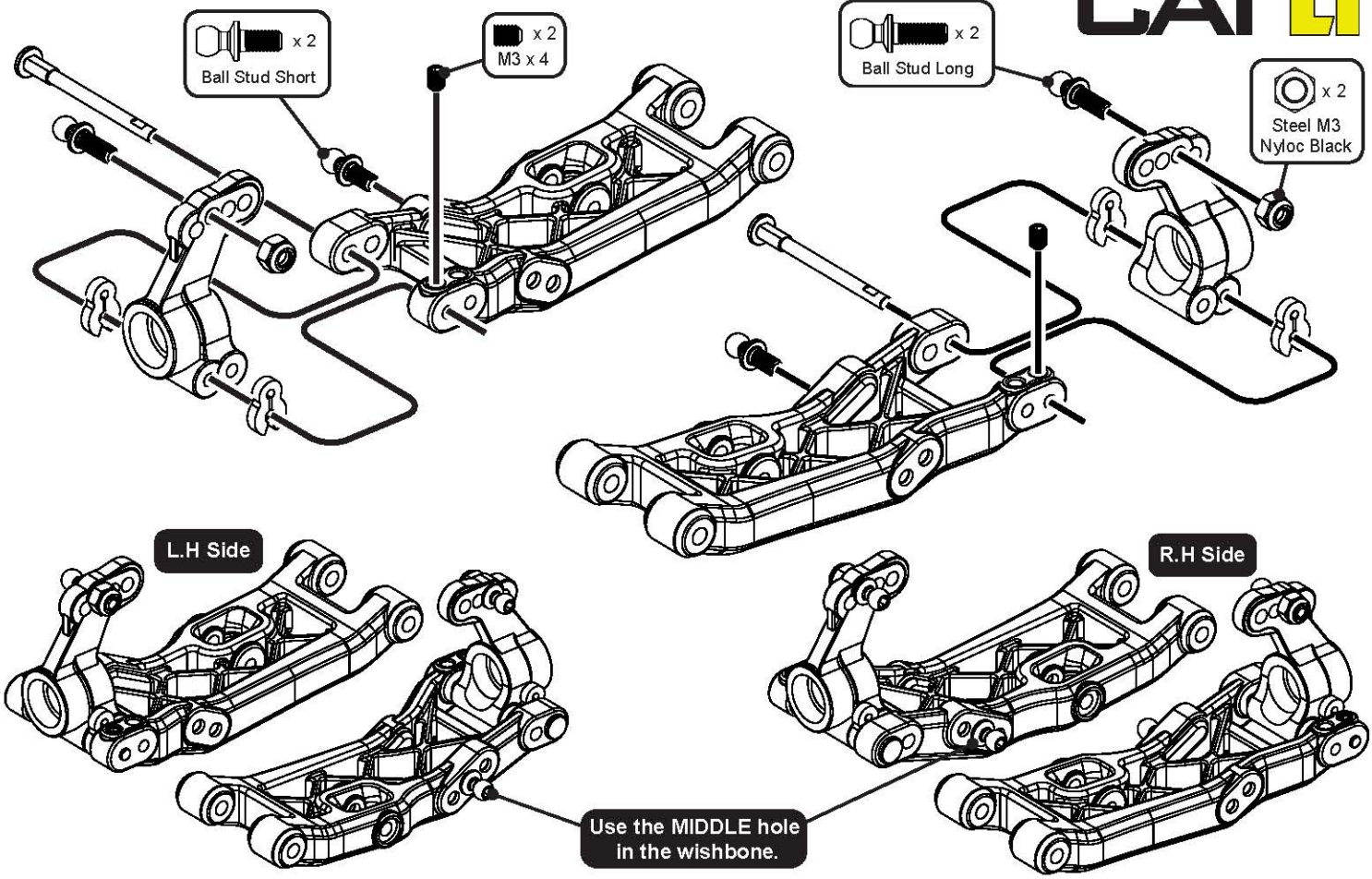
x 2
M3 x 4



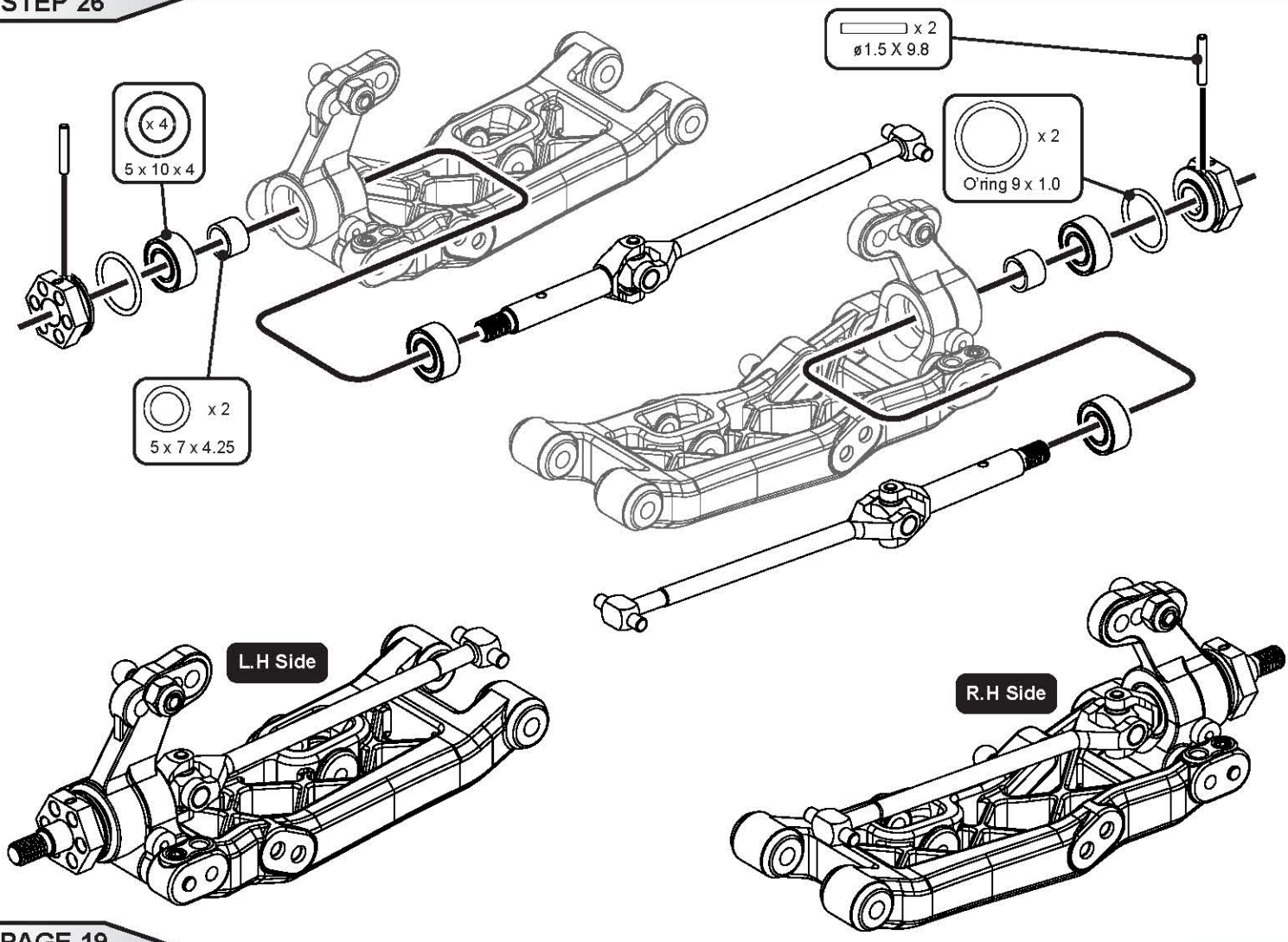
NOTE
The steering should rotate easily.



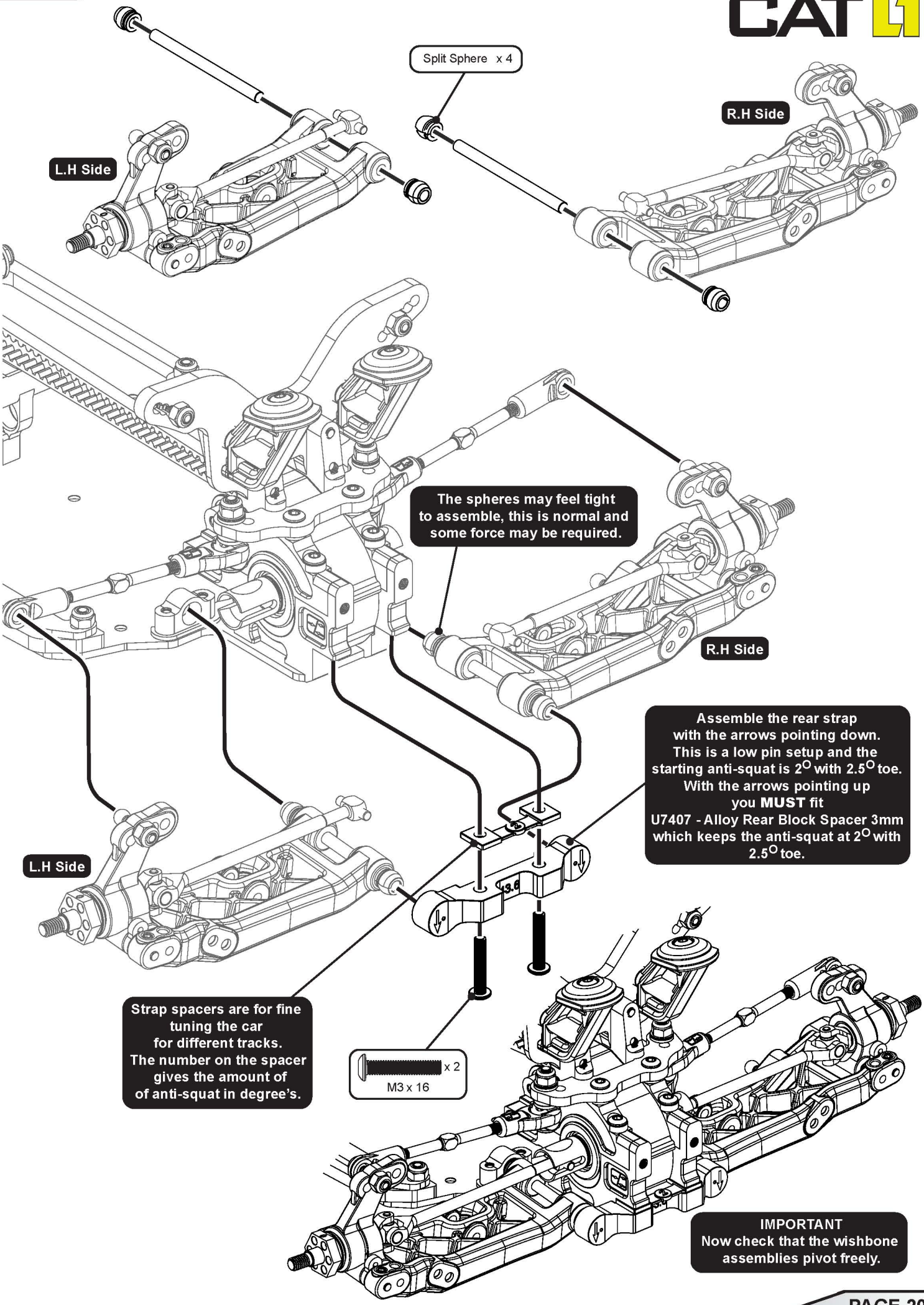
STEP 25



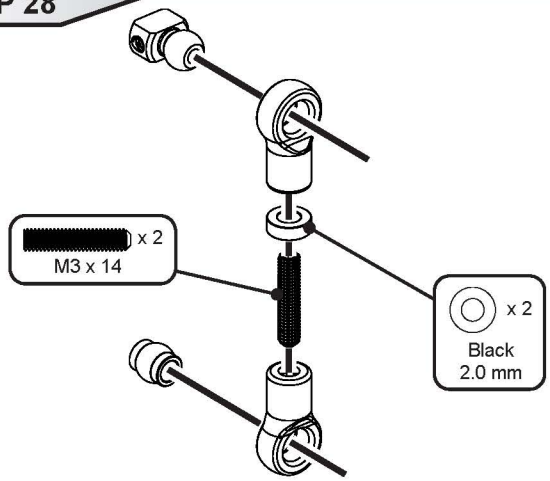
STEP 26



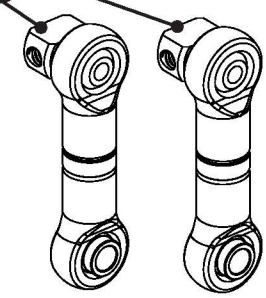
CAT L1


Split Sphere x 4
L.H Side
R.H Side
The spheres may feel tight to assemble, this is normal and some force may be required.
R.H Side
L.H Side
Assemble the rear strap with the arrows pointing down. This is a low pin setup and the starting anti-squat is 2° with 2.5° toe. With the arrows pointing up you MUST fit U7407 - Alloy Rear Block Spacer 3mm which keeps the anti-squat at 2° with 2.5° toe.
Strap spacers are for fine tuning the car for different tracks. The number on the spacer gives the amount of of anti-squat in degree's.
x 2
M3 x 16
IMPORTANT
Now check that the wishbone assemblies pivot freely.

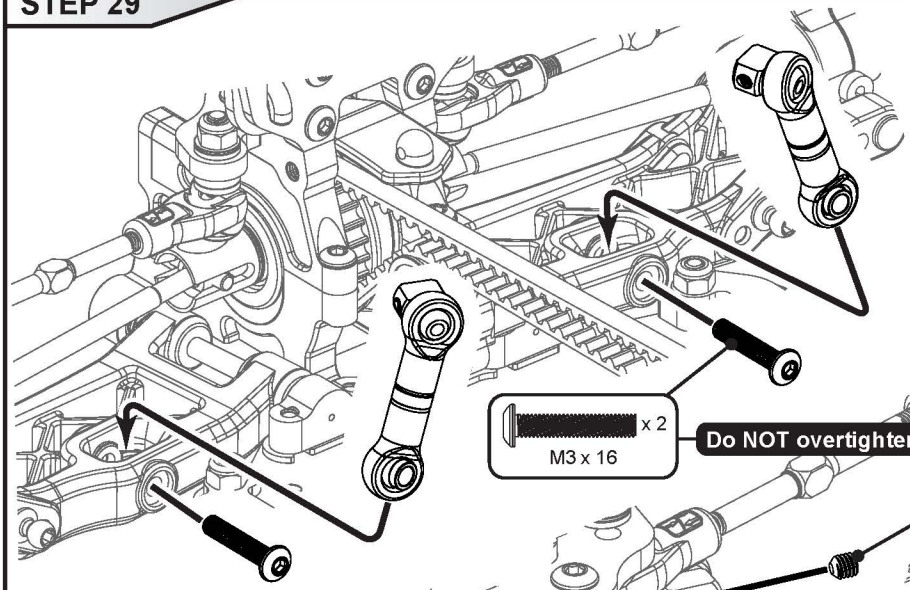
STEP 28



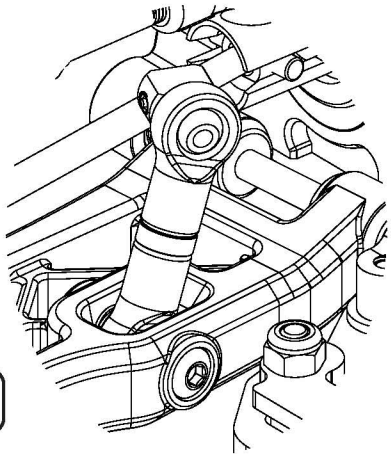
REAR LINKS
Make two identical links

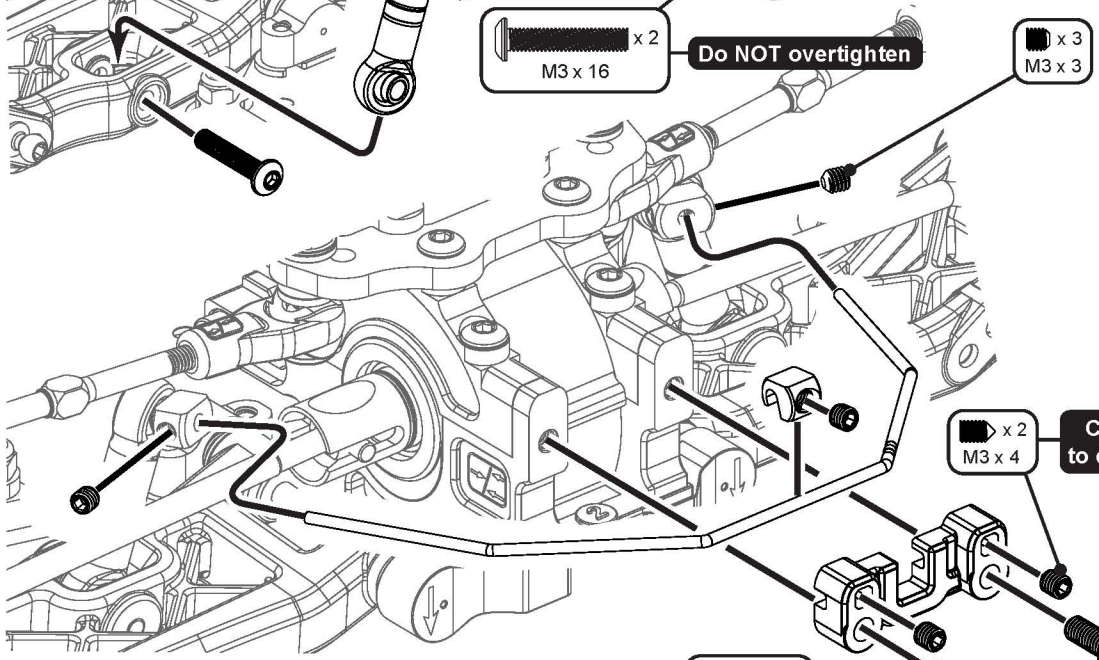


STEP 29

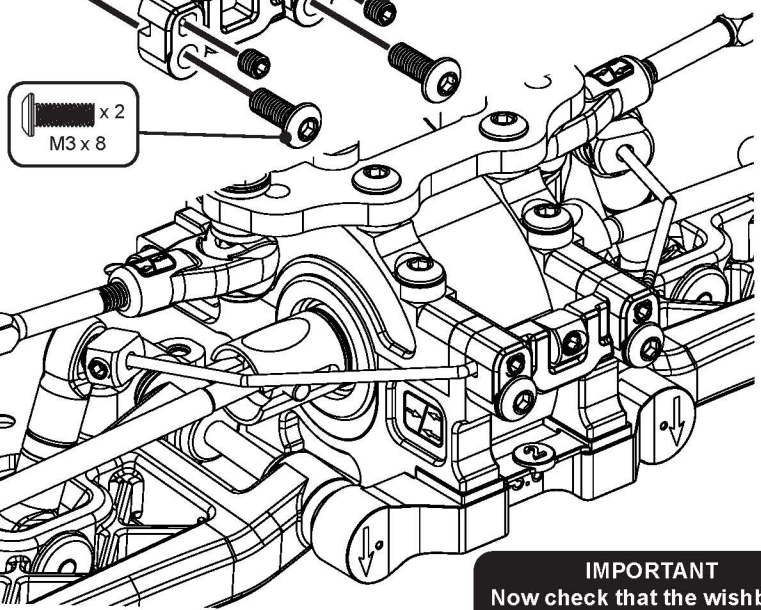


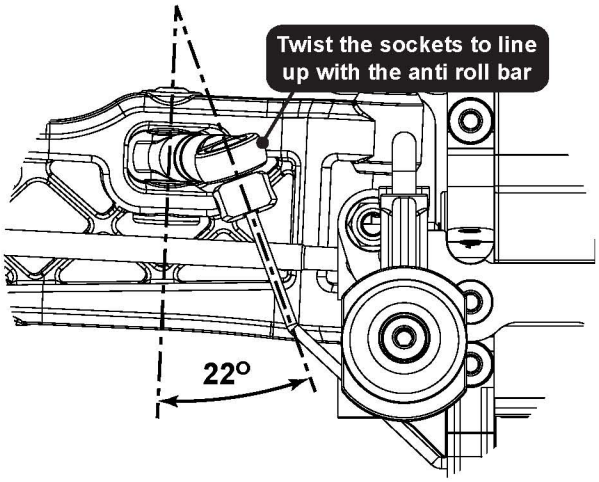
Do NOT overtighten





Carefully adjust the grub screw to eliminate anti roll bar clearance.

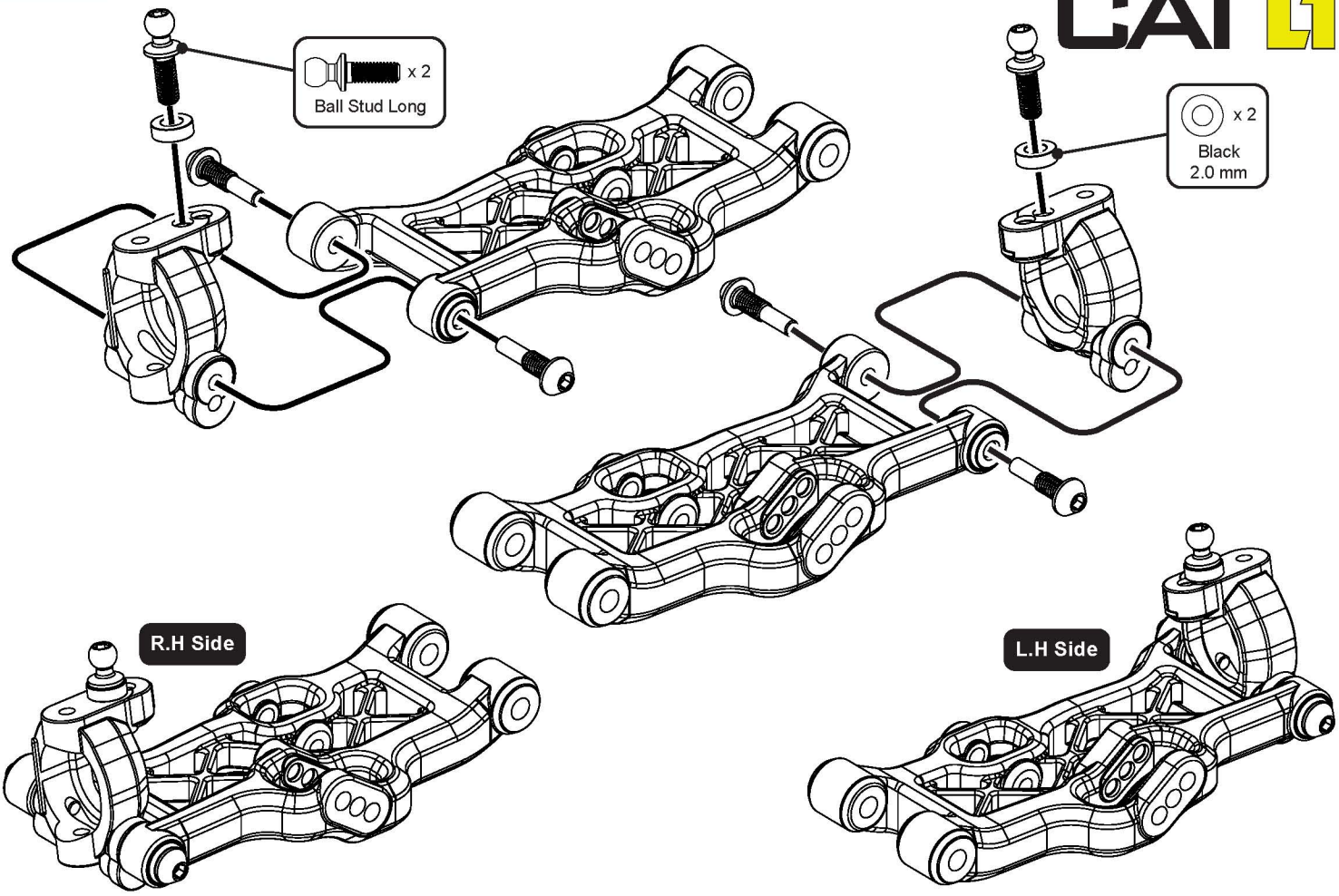




Twist the sockets to line up with the anti roll bar

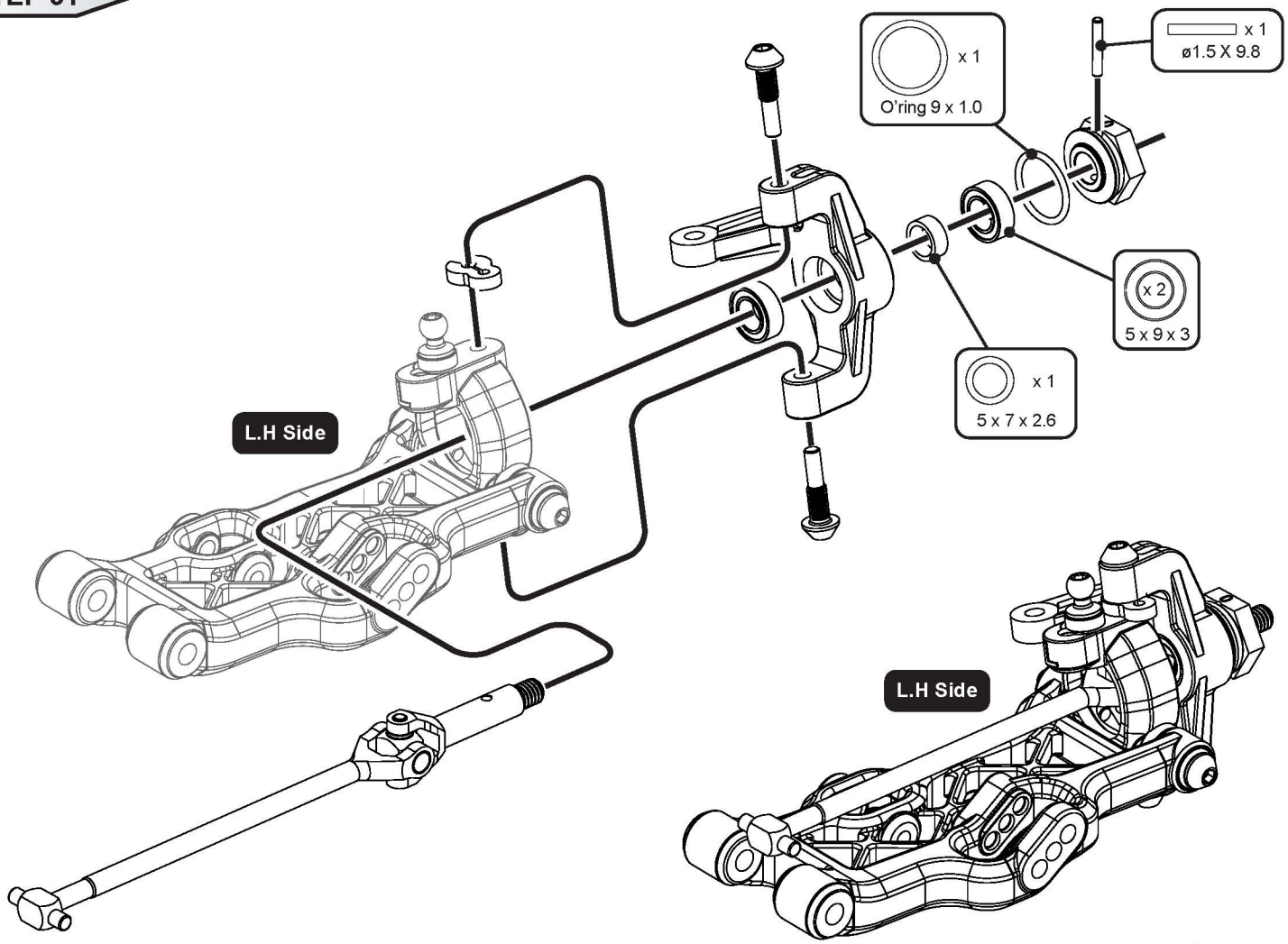
IMPORTANT
Now check that the wishbone assemblies pivot freely.

STEP 30



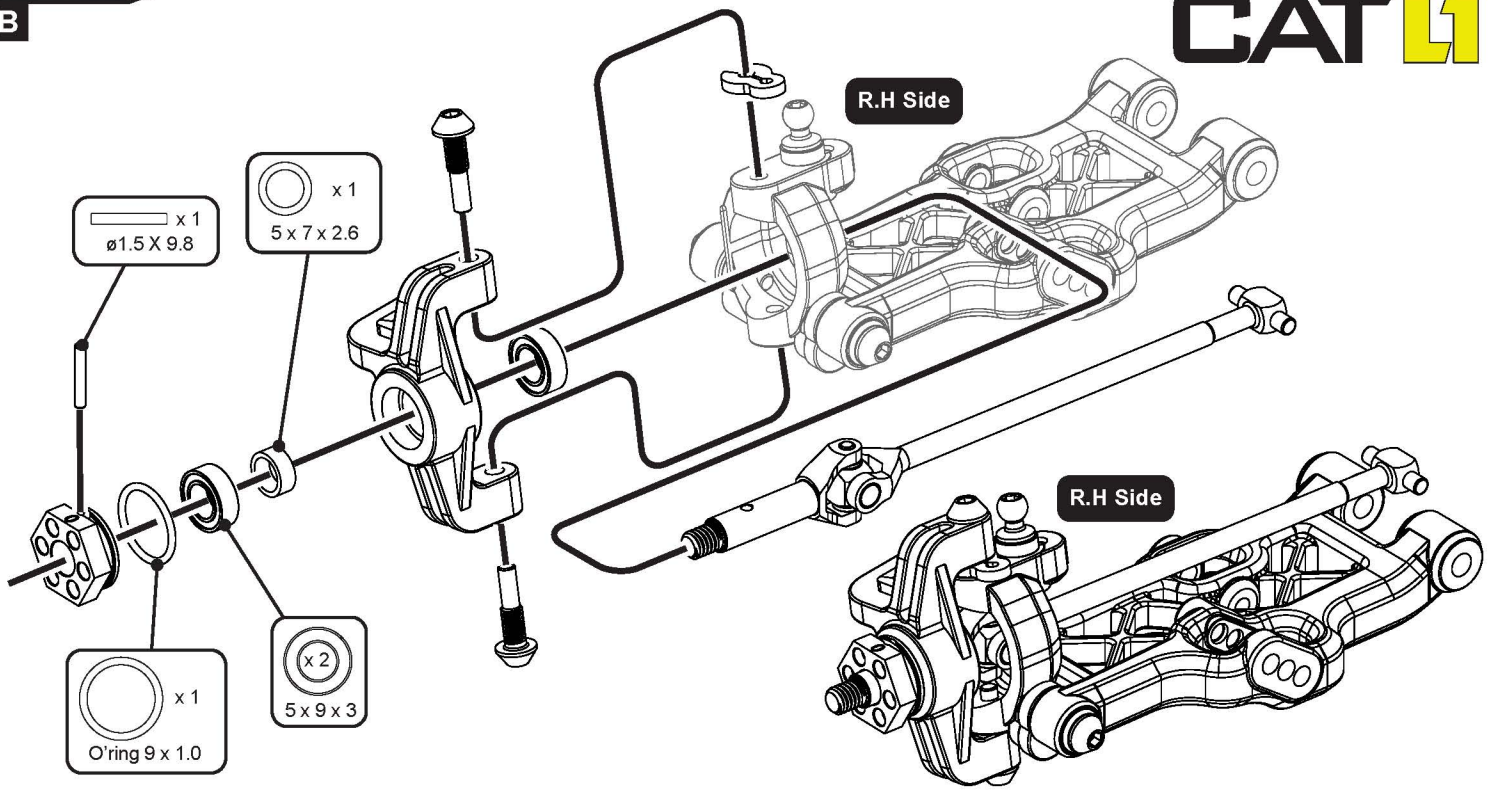
STEP 31

A



STEP 31

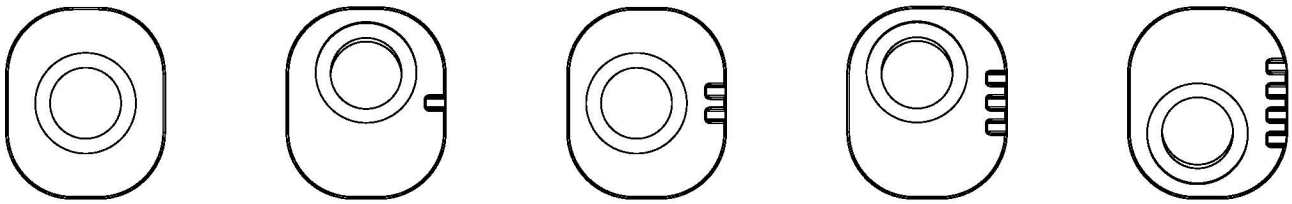
B

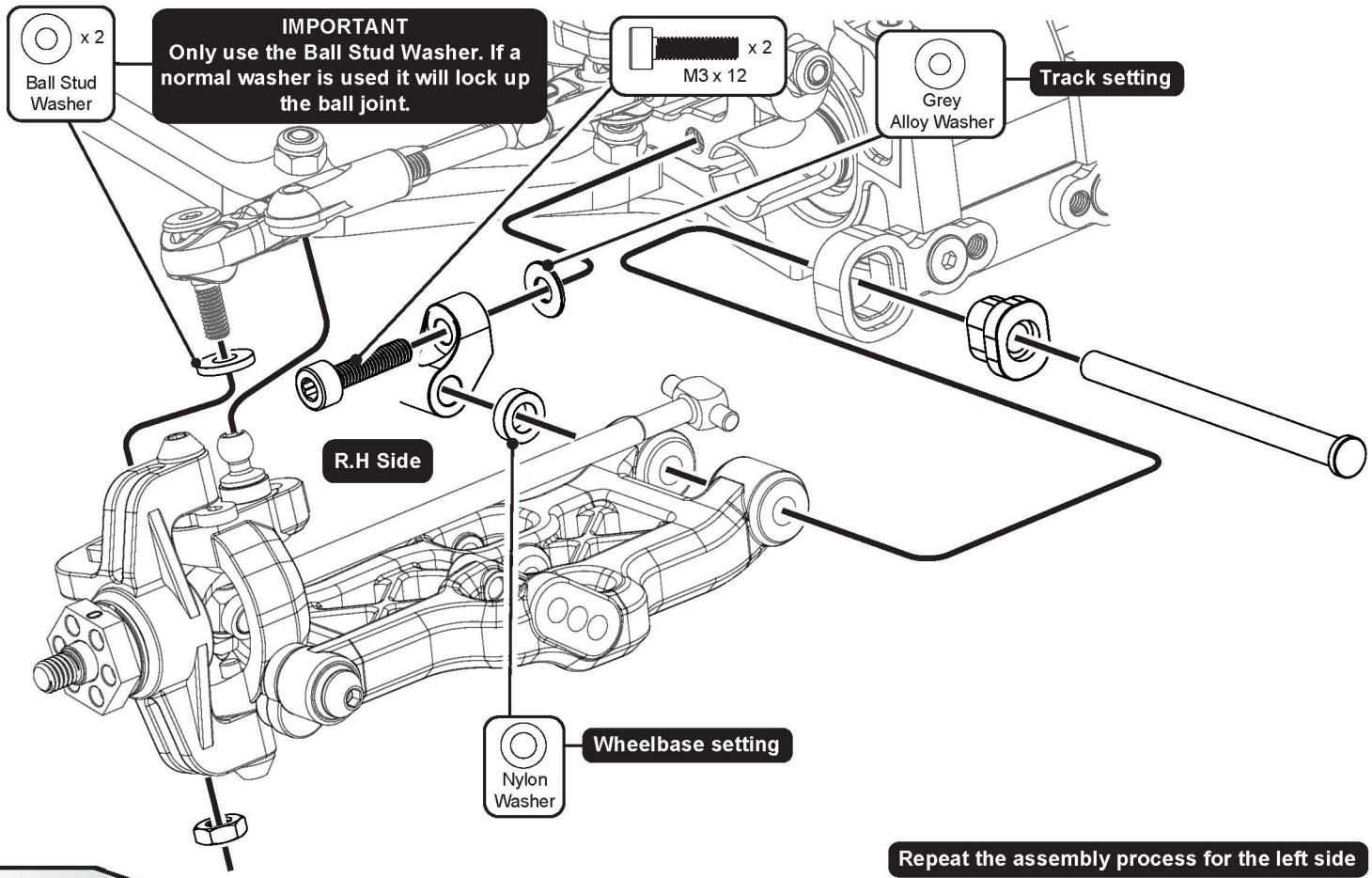


STEP 32

A

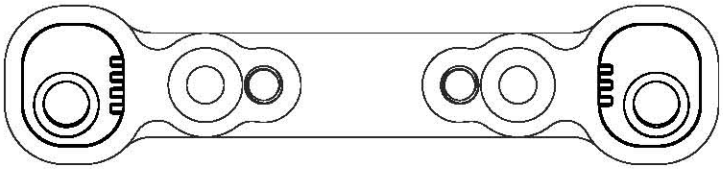
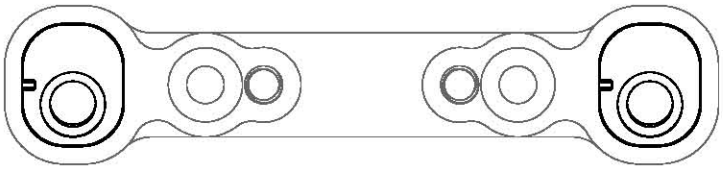
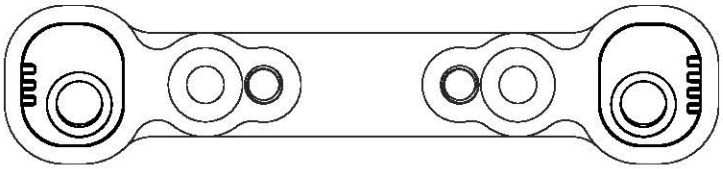
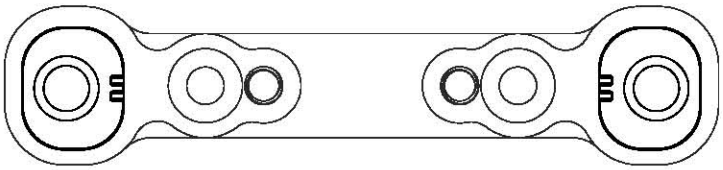
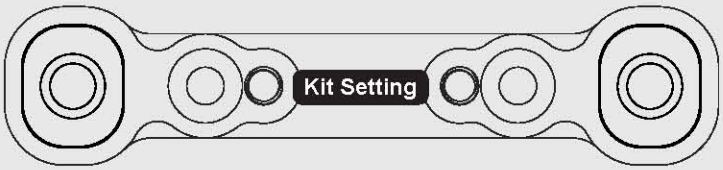
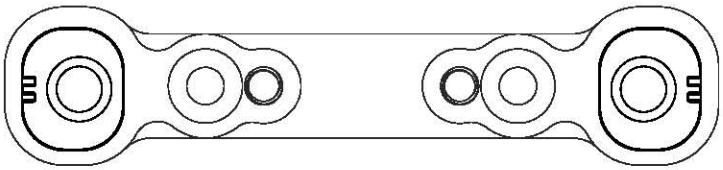
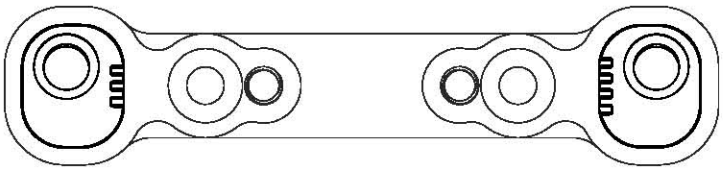
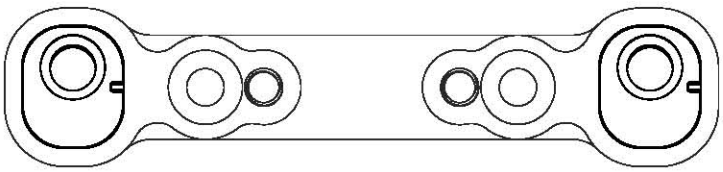
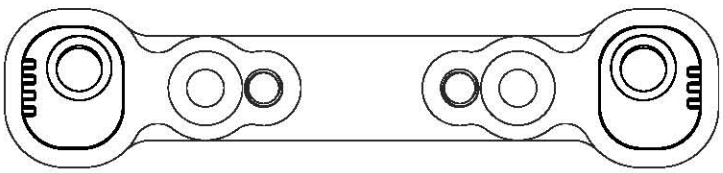
Suspension inserts - See chart on page 24 for assembly options





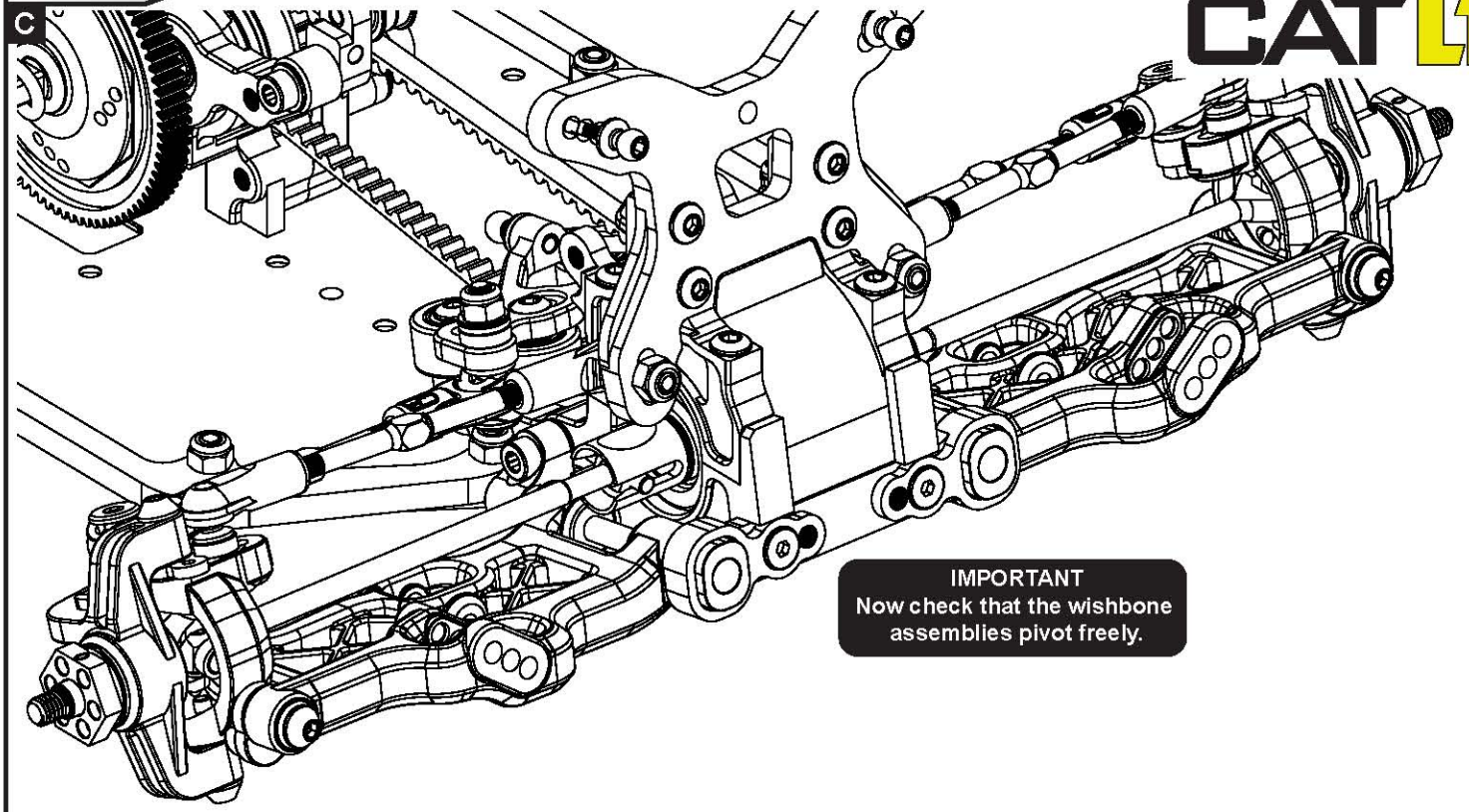
Repeat the assembly process for the left side

The chart below shows all the suspension insert options.
You must ensure that whichever insert option you choose the wheelbase washer and the track washer match.

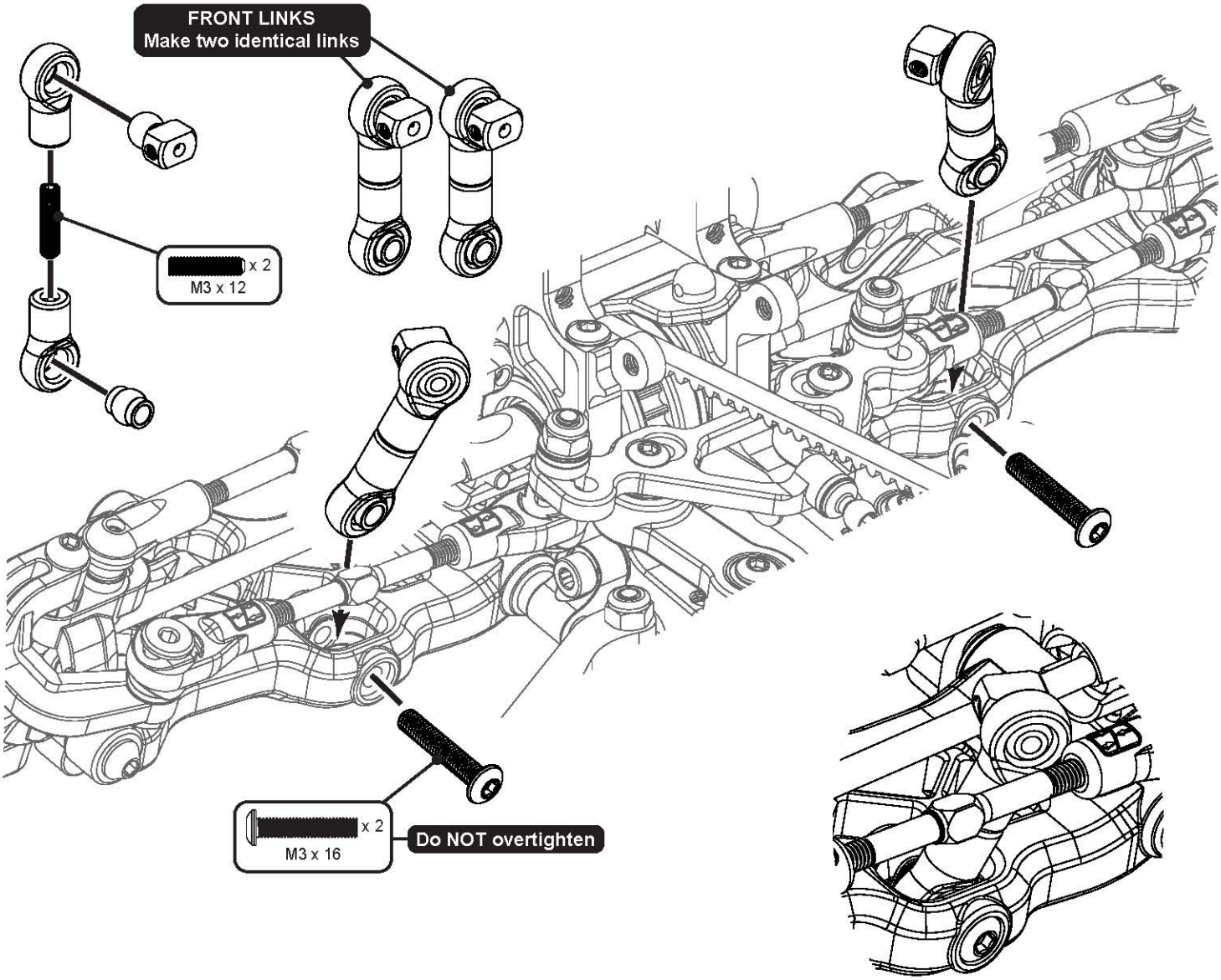
Front view of strap and inserts	Suspension Setting	Wheelbase Washer	Track Washer
	8° Rake Wide Track	2.00mm Black + 0.80mm White	1mm
	8° Rake Mid Track	2.00mm Black + 0.80mm White	0.50mm
	8° Rake Narrow Track	2.00mm Black + 0.80mm White	No washer
	10° Rake Wide Track	2.40mm White	1mm
	10° Rake Mid Track	2.40mm White	0.50mm
	10° Rake Narrow Track	2.40mm White	No washer
	12° Rake Wide Track	2.40mm White	1mm
	12° Rake Mid Track	2.40mm White	0.50mm
	12° Rake Narrow Track	2.40mm White	No washer

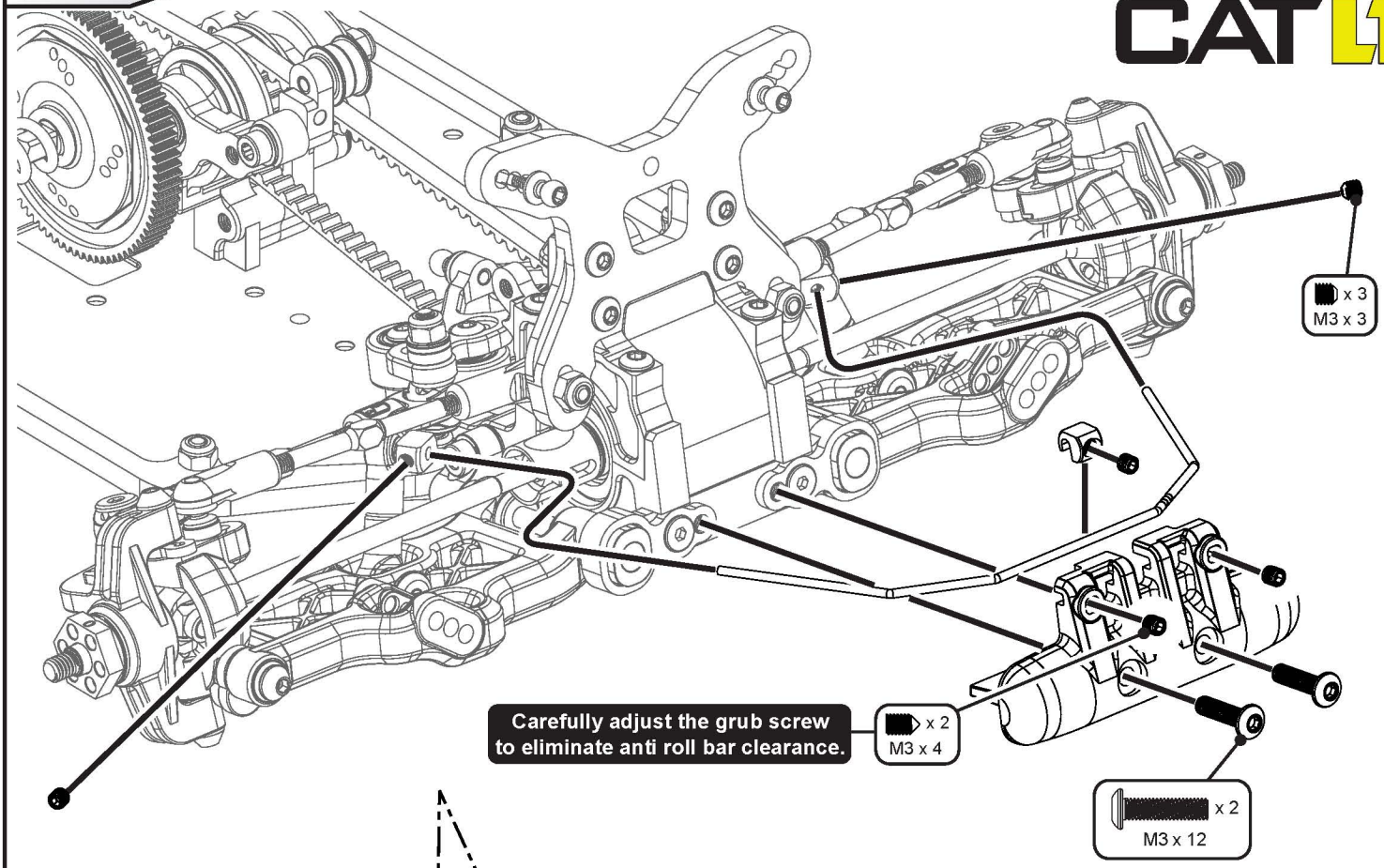
STEP 32

C

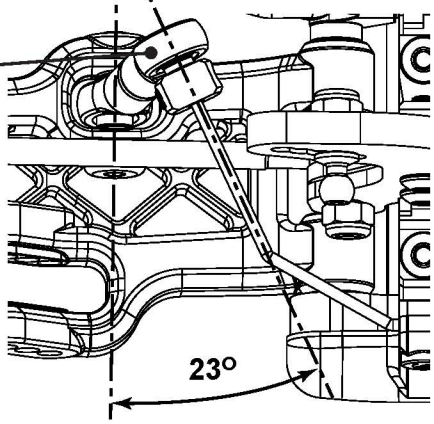


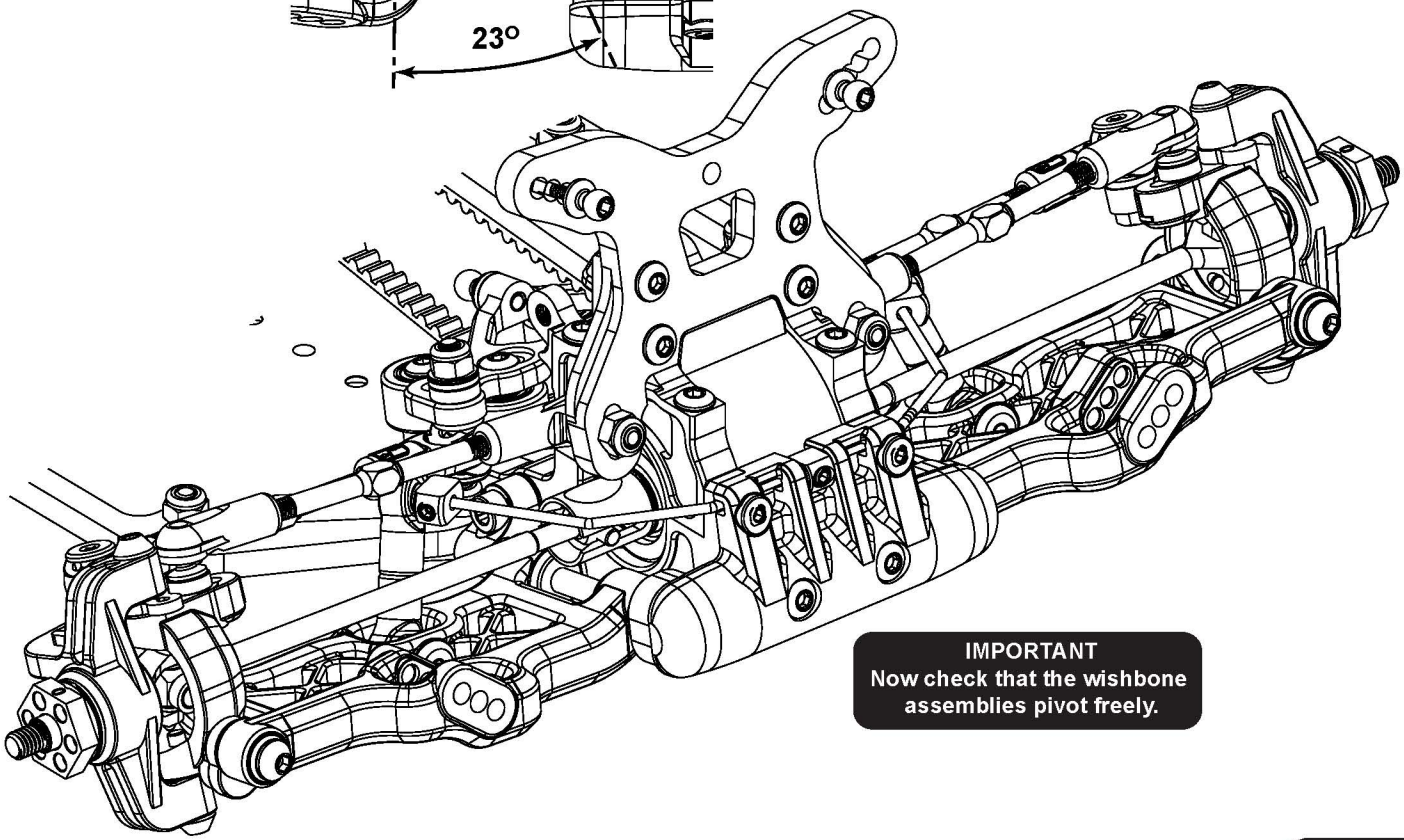
STEP 33





Twist the sockets to line up with the anti roll bar





IMPORTANT
Now check that the wishbone assemblies pivot freely.

ELECTRIC - OFF ROAD CARS

K176 CAT L1 - Kit

CHASSIS PARTS

U119 Aerial Tube (pk4)
U122 Velcro 0.5m x 16mm
U3850 Wing Mount Set - Off Road
U4327 Alloy Servo Mount Black (pr)
U4741 6mm Offset Servo Arms (pr)
U4765 Lipo Post Nut (pr)
U4773 Aerial Mount
U4778 LiPo Stops (pk4)
U7045 Lipo Posts Standard (pk4)
U7046 Lipo Posts Short (pk4)
U7335 Wire Routing Mouldings (pk3)
U7336 Front Bumper - CAT L1
U7339 Front Carpet Protector - CAT L1
U7350 Alloy Chassis - CAT L1
U7351 Chassis Skin - CAT L1
U7373 C/F Side Pod - CAT L1 (pr)
U7374 C/F Front Topdeck 2.50mm - CAT L1 (pr)
U7375 C/F Rear Topdeck 2.50mm - CAT L1 (pr)
U7376 C/F Rear Link Mount - CAT L1
U7377 C/F Front Shock Mount - CAT L1
U7378 C/F Rear Shock Mount - CAT L1
U7379 C/F Lipo Straps - CAT L1 (pr)
U7382 C/F Servo Mount - CAT L1
U7383 C/F Shorty Spacer - CAT L1 (pr)
U7399 Manual - CAT L1

BODYSHELLS AND DECALS

AX004 Aerox Body Shell Cat L1 - 0.75mm
AX005 Aerox Wing CAT L1 - 1.0mm
AX006 Aerox Body Shell CAT L1 Ultra Light - 0.5mm
U3478 Decal sheet - Schumacher and racing-cars.com (pk3)
U5129 Claw Wing & Insert - Clear
U5130 Claw Wing & Insert - White
U5131 Claw Wing & Insert - Black
U5132 Claw Wing & Insert - Carbon
U7442 Decal - Cat L1

SUSPENSION

U3305 Pivot Pin; Screw Type 12mm (pr)
U3708 Quick Clips 2.4 x 2.0mm (pk4)
U3719 Pivot Pin; 45mm (pr)
U3729 Wishbone Pivot Spheres (pk4)
U3933 Roll Bar Collar Set (pk4)
U4221 Turnbuckle Adjuster HTT - 24mm (pr)
U4223 Turnbuckle Adjuster HTT - 45mm (pr)
U4274 Pro Ball Stud Short - (pk4)
U4275 Pro Ball Stud Long - (pk4)
U4299 Turnbuckle Adjuster HTT - 52mm (pr)
U4501 Steering Pivots (pr)
U4683 Suspension Block RH
U4684 Suspension Block LH
U4704 Fluted Ball Grippa - Grey (pk8)
U4736 Captive Ball Stud Washer (pk8)
U4737 Captive Ball Joint Short (pk4)
U4739 Captive Ball Joint Ultra Long (pk4)
U4850 Low Ball Stud (pk4)
U7002 Front Hub Carriers V2 - 4WD (pr)
U7083 Rear Strap Spacers (pk4)
U7133 Quik Clips 2.4x1.5mm (pk4)
U7333 Rear Wishbones - CAT L1 (pr)
U7334 Front Wishbones - CAT L1 (pr)
U7337 Radius Arms - CAT K1 (pr)
U7352 Alloy Centre Track Rod - CAT L1
U7353 Front Strap Inserts - CAT L1 (pk8)
U7354 Alloy Front Strap - CAT L1
U7355 Alloy Servo Mount - CAT L1
U7367 Rod End Ball Wide & Socket (pr)

SUSPENSION Cont....

U7368 Rear Outboard Pivot Pin - CAT L1 (pr)
U7369 Front Inboard Pivot Pin - CAT L1 (pr)
U7370 Front Pivot Block - CAT L1
U7371 Alloy Rear Pivot Strap 43.6mm - CAT L1
U7372 Alloy Rear Block Spacer 1mm - CAT L1
U7384 Rear Roll Bar Clamp - CAT L1
U7385 Alloy Roll Bar Ball (Dia 5.5mm) (pr)
U7386 Front Roll Bar Set - CAT L1 (pk5)
U7387 Rear Roll Bar Set - CAT L1 (pk5)
U7392 Rear Hub Carrier V2 (pr)
U7393 Front Yokes 10 Deg - CAT L1 (pr)
U7431 Rod End Socket (Dia 5.5mm) (pk4)

BIG BORE SHOCKS

RI-29101 Ride Shock Air Remover - Long
U3667 Big Bore Shock; Seal Rebuild Kit (pr)
U3668 Big Bore Shock Rods; Med (pr)
U3669 Big Bore Shock Rods; Long (pr)
U3670 Big Bore Piston; 2 Hole White 1.5 (pr)
U3671 Big Bore Piston; 4 Hole White 1.5 (pr)
U3672 Big Bore Piston; 6 Hole White 1.5 (pr)
U3770 Big Bore Piston; 3 Hole White 1.5 Rounded (pr)
U3771 Big Bore Piston; 5 Hole White 1.5 Rounded (pr)
U3782 Big Bore HD Diaphragm (pk4)
U4110 Shock O Ring 1/8 Silicone (pk8)
U4285 Pro Shock Seal Blue (pk8)
U4451 Big Bore Shock Collar O-ring (pk4)
U4508 Big Bore Pro Bush - Off Road (pk4)
U4701 Big Bore Piston - 3 Hole Black 1.6 Rounded (pr)
U4702 Big Bore Shock Seal Housing V2 (pr)
U4707 Short Ball Grippa - Grey (pk8)
U7084 Big Bore Shock Top Ring (pr)
U7085 Big Bore Shock Top (pr)
U7086 Big Bore Piston - 2 Hole Black 1.60 (pr)
U7087 Big Bore Piston - 2 Hole Red 1.70 (pr)
U7388 Big Bore Alloy Med Shock Body - CAT L1 (pr)
U7389 Big Bore Alloy Long Shock Body - CAT L1 (pr)
U7390 Big Bore Alloy Spring Adjuster (pr)
U7432 Shock Spring Seat Moulded (pr)
U7433 Big Bore Tapered Pistons (pr)
U7434 Big Bore Alloy Med Shock Body Kashima Coat (pr)
U7435 Big Bore Alloy Long Shock Body Kashima Coat (pr)

SHOCK AND DIFF OIL

CR200 CORE RC Silicone Oil - 100cSt - 60ml
CR201 CORE RC Silicone Oil - 150cSt - 60ml
CR202 CORE RC Silicone Oil - 200cSt - 60ml
CR203 CORE RC Silicone Oil - 250cSt - 60ml
CR204 CORE RC Silicone Oil - 300cSt - 60ml
CR205 CORE RC Silicone Oil - 350cSt - 60ml
CR206 CORE RC Silicone Oil - 400cSt - 60ml
CR207 CORE RC Silicone Oil - 450cSt - 60ml
CR208 CORE RC Silicone Oil - 500cSt - 60ml
CR209 CORE RC Silicone Oil - 550cSt - 60ml
CR210 CORE RC Silicone Oil - 600cSt - 60ml
CR211 CORE RC Silicone Oil - 700cSt - 60ml
CR212 CORE RC Silicone Oil - 800cSt - 60ml
CR213 CORE RC Silicone Oil - 900cSt - 60ml
CR214 CORE RC Silicone Oil - 1000cSt - 60ml
CR215 CORE RC Silicone Oil - 1300cSt - 60ml
CR216 CORE RC Silicone Oil - 2000cSt - 60ml
CR217 CORE RC Silicone Oil - 3000cSt - 60ml
CR218 CORE RC Silicone Oil - 4000cSt - 60ml
CR219 CORE RC Silicone Oil - 5000cSt - 60ml
CR220 CORE RC Silicone Oil - 6000cSt - 60ml
CR221 CORE RC Silicone Oil - 7000cSt - 60ml
CR222 CORE RC Silicone Oil - 10000cSt - 60ml
CR223 CORE RC Silicone Oil - 20000cSt - 60ml

SHOCK AND DIFF OIL Cont....

CR224 CORE RC Silicone Oil - 30000cSt - 60ml
CR225 CORE RC Silicone Oil - 40000cSt - 60ml
CR226 CORE RC Silicone Oil - 50000cSt - 60ml
CR227 CORE RC Silicone Oil - 100000cSt - 60ml
CR228 CORE RC Silicone Oil - 300000cSt - 60ml
CR229 CORE RC Silicone Oil - 12000cSt - 60ml
CR230 CORE RC Silicone Oil - 15000cSt - 60ml
CR502 CORE RC Silicone Oil - 650cSt - 60ml

BIG BORE SPRINGS

CR177 CORE RC Big Bore Spring Tuning Set; Med (7prs)
CR178 CORE RC Big Bore Spring Tuning Set; Long (5prs)
CR179 Big Bore Spring; Med White - 2.8 (pr)
CR180 Big Bore Spring; Med Red - 3.1 (pr)
CR181 Big Bore Spring; Med Green - 3.4 (pr)
CR182 Big Bore Spring; Med Blue - 3.7 (pr)
CR183 Big Bore Spring; Med Black - 4.0 (pr)
CR184 Big Bore Spring; Long White - 1.8 (pr)
CR185 Big Bore Spring; Long Red - 2.0 (pr)
CR186 Big Bore Spring; Long Green - 2.2 (pr)
CR187 Big Bore Spring; Long Blue - 2.4 (pr)
CR188 Big Bore Spring; Long Black - 2.6 (pr)
CR190 CORE RC Spring Seat - Big Bore to 13mm (pk4)
CR191 CORE RC Spring Seat - Big Bore to 14mm (pk4)
CR635 Big Bore Spring; Med Orange - 4.3 (pr)
CR636 Big Bore Spring; Med Yellow - 4.6 (pr)
U3675 Big Bore Spring; Med - 2.0 (pr)
U3676 Big Bore Spring; Med - 2.5 (pr)
U3677 Big Bore Spring; Med - 3.0 (pr)
U3678 Big Bore Spring; Med - 3.5 (pr)
U3679 Big Bore Spring; Med - 4.0 (pr)
U3680 Big Bore Spring; Med - 4.5 (pr)
U3681 Big Bore Spring; Med - 5.0 (pr)
U3682 Big Bore Spring; Long - 1.6 (pr)
U3683 Big Bore Spring; Long - 2.0 (pr)
U3684 Big Bore Spring; Long - 2.5 (pr)
U3687 Big Bore Spring; Long - 4.0 (pr)

TRANSMISSION

U2761 Diff Shims; 10x12 (pk8)
U3311 Axle Spacers (pk4)
U3351 Gear; 83T Spur - Slipper
U3364 Slipper Pad; PTFE Octagon (pr)
U4106 Slipper Spring
U4176 Gear Diff Gear Set (Steel)
U4385 Gear Diff Rebuild Kit
U4672 Alloy Outer Slipper Plate
U4674 Slipper Spring Bush
U4705 Alloy Inner Slipper Plate
U4712 Gear Diff O-Rings
U4751 Alloy RH Lower Rear Trans - CAT L1
U4791 FAB Idler Shaft - CAT K2/L1
U7061 Reverse Gear - Cougar KC/L1
U7062 Reverse Post - Cougar KC/L1
U7065 Slipper Spring Twin Plate - 2WD/4WD
U7066 Diff Output Pin - Cougar KC/L1 (pr)
U7067 Gear Diff Mouldings - Cougar KC/L1
U7068 Eccentrics - Cougar KC/L1 (2prs)
U7338 Dirt Covers - CAT L1 (pk3)
U7340 Side Gear Cover - CAT L1
U7341 Alloy LH Lower Rear Trans - CAT L1
U7342 Alloy LH Upper Rear Trans - CAT L1
U7343 Alloy RH Upper Rear Trans - CAT L1
U7344 Alloy Laymount - CAT L1
U7345 Alloy Motor Mount - CAT L1
U7346 Alloy LH Lower Front Trans - CAT L1
U7347 Alloy RH Lower Front Trans - CAT L1
U7348 Alloy LH Upper Front Trans - CAT L1
U7349 Alloy RH Upper Front Trans - CAT L1
U7356 Belt 97T x 4mm Wide

TRANSMISSION Cont....

U7357 Belt 155T x 4mm Wide
U7358 20T Side Gear - CAT L1
U7359 36T Side Gear - CAT L1
U7360 Layshaft - CAT L1
U7361 Layshaft Spacer - CAT L1
U7362 FAB Front Pulley With One Way - CAT L1
U7363 FAB Rear Pulley - CAT L1
U7364 FAB Side Fence RH - CAT L1
U7365 FAB Side Fence LH - CAT L1
U7366 FAB Washer PTFE - CAT L1 (pr)
U7391 Gear Diff Output - CAT L1
U7394 Front Belt Tensioner - CAT L1
U7395 Rear Belt Tensioner - CAT L1
U7396 Rear Driveshaft - CAT L1
U7397 Front Driveshaft - CAT L1
U7398 Alloy Wheel Hex 6mm - CAT L1 (pr)

PINIONS

CRW2001 Pinion Caddy
MR-PINION MR33 Pinion Gear Holder
U7517 Pinion; Long Boss Steel 48dp - 17T
U7518 Pinion; Long Boss Steel 48dp - 18T
U7519 Pinion; Long Boss Steel 48dp - 19T
U7520 Pinion; Long Boss Steel 48dp - 20T
U7521 Pinion; Long Boss Steel 48dp - 21T
U7522 Pinion; Long Boss Steel 48dp - 22T
U7523 Pinion; Long Boss Steel 48dp - 23T
U7524 Pinion; Long Boss Steel 48dp - 24T
U7525 Pinion; Long Boss Steel 48dp - 25T
U7526 Pinion; Long Boss Steel 48dp - 26T
U7527 Pinion; Long Boss Steel 48dp - 27T

BEARINGS AND BALLS

G200 ZX1 - Microlube
H1031 Bearing Blaster Aerosol 500ml
U1300 Axle Grease - Pot
U1301 Silicone Diff Lube - Pot
U1957 Moly Grease - Pot
U2495 Ball Bearing - 5x9x3 Red Sealed Flanged (pr)
U2698 Ball Bearing - 5x10x4 Red Seal (pr)
U2699 Ball Bearing - 10x15x4 Red Seal (pr)
U3075 Ball Bearing - 4x8x3mm Red Seal (pr)
U3136 Ball Bearing - 5x8x2.5 Yellow Shield (pr)
U3871 Ball Bearing - 5x9x3 Red Seal (pr)
U4946 Pro Ball Bearing 5x10x4 Sealed (pr)
U7088 Ball Bearing 5x10x4 Red Seal Flanged (pr)
U7325 Pro Ball Bearing 5x11x4 Sealed (pr)
U7328 Ball Bearing - 5x11x4 Red Seal (pr)

SPEED PACKS

CR024 CORE RC - Serrated M4 Steel Wheel Nut (pk4)
CR035 CORE RC - Serrated Alloy M4 Nuts; Blue (pk4)
CR036 CORE RC - Serrated Alloy M4 Nuts; Violet (pk4)
CR060 Small Body Clip 1/10 - Gloss Black (pk8)
CR061 Small Body Clip 1/10 - Silver (pk8)
CR062 Small Body Clip 1/10 - Gold (pk8)
CR063 Small Body Clip 1/10 - Fluorescent Yellow (pk8)
CR064 Small Body Clip 1/10 - Fluorescent Green (pk8)
CR065 Small Body Clip 1/10 - Fluorescent Red (pk8)
CR066 Small Body Clip 1/10 - Metallic Green (pk8)
CR067 Small Body Clip 1/10 - Metallic Red (pk8)
CR068 Small Body Clip 1/10 - Metallic Blue (pk8)
CR069 Small Body Clip 1/10 - Metallic Purple (pk8)
CR196 Core RC - Serrated Alloy M4 Nuts - Black (pk4)
CR517 M3 Alloy Nyloc Nuts-Low Profile-Black (pk10)
CR638 Rubber Body Clip Pulls (pk12)
U1548 SPEED PACK - M3 Washers (Various)
U1551 SPEED PACK - E Clips (pk8)
U1552 SPEED PACK - R Clips

SPEED PACKS Cont....

U1606 SPEED PACK - Servo Tape (pk30)
U1633 SPEED PACK - Small Pins (Various)
U1960 SPEED PACK - O Rings (Various)
U2128 SPEED PACK - Grub Screws M3 M4 (Various)
U2187 SPEED PACK - M3 Nyloc Nut - Purple Alloy (pk8)
U2856 SPEED PACK - Sticky Cable Clips (pk10)
U2857 SPEED PACK - Small Cable Ties (pk25)
U3021 SPEED PACK - M3x6 Csk Hd (pk10)
U3022 SPEED PACK - M3x8 Csk Hd (pk10)
U3023 SPEED PACK - M3x10 Csk Hd (pk10)
U3131 SPEED PACK - Alloy Spacers - M3x7mm 0.5;1;2mm (pk18)
U3572 SPEED PACK - M3x14 Grub Screw (pk4)
U3754 SPEED PACK - M2.5x10 Csk Hd (pk8)
U3938 SPEED PACK - Black nylon washer 2mm (pk10)
U4124 SPEED PACK - Shims 5 x 7 x 0.4mm (pk6)
U4155 SPEED PACK - M3 Csk Washers - Black Alloy (pk10)
U4210 SPEED PACK - Pinion Grub Screw Set (pk10)
U4241 SPEED PACK - M3 Alloy Nyloc Nuts - Black (pk10)
U4314 SPEED PACK - Alloy Black M3 Washers (pk18)
U4351 SPEED PACK - Shims 3.2x6x0.1mm (pk8)
U4650 SPEED PACK - M3 Nyloc Nut Steel - Black (pk10)
U4662 SPEED PACK - M3x4 Grub Screw - Cone Point (pk10)
U4835 SPEED PACK - M3 Steel Nut Black (pk8)
U7090 SPEED PACK - M4x20 Grub Screw (pk4)
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)
U7107 SPEED PACK - M3x16 Button Hd (pk10)
U7108 SPEED PACK - M3x20 Button Hd (pk10)
U7109 SPEED PACK - M3x25 Button Hd (pk10)
U7112 SPEED PACK - M3x8 Cap Hd (pk10)
U7113 SPEED PACK - M3x10 Cap Hd (pk10)
U7114 SPEED PACK - M3x12 Cap Hd (pk10)
U7122 SPEED PACK - M3x12 Csk Hd (pk10)
U7329 SPEED PACK M2.5 x 6 CSK (pk4)
U7331 SPEED PACK - M3 X 30 Button Hd (pk10)
U7332 SPEED PACK WASHERS 3.5 x 6mm x 2.0:2.4mm (pk10)

SPEED SECRET - OPTION PARTS

CR280 Ti Pro Ball Studs - Short (pr)
CR282 Ti Pro Ball Studs - Long (pr)
CR697 Alloy Horn Offset Short - FU 25T
CR698 Alloy Horn Offset Short - SA 23T
U3348 Gear; 80T Spur - Slipper
U3350 Gear; 82T Spur - Slipper
U3790 Gear; 76T Spur - Slipper
U4350 Shims 5x7x0.1mm (pk8)
U4670 Slipper Clutch Cage - 4 Plate
U4671 Mid Slipper Clutch Plate - 4 Plate
U4673 Slipper Clutch Spring - 4 Plate
U4719 Alloy Rear Pivot Block 4/1.5 deg (pr)
U4890 Big Bore Alloy Spring Seat - Off Road (pr)
U7050 Slipper Conversion - 4 Plate.
U7093 Front Wings
U7313 Titanium Turnbuckle - 24mm - Silver (pr)
U7317 Titanium Turnbuckle - 45mm - Silver (pr)
U7318 Titanium Turnbuckle - 53mm - Silver (pr)
U7321 Gear Diff Alloy Cross Pin - Off Road (pr)
U7400 Titanium Low Profile M4 Serrated Nut (pk4)
U7401 Roche Double Jointed Front D/Shaft - CAT L1 (pr)
U7402 Alloy Wheel Hex 6.75mm - CAT L1 (pr)
U7403 Alloy Wheel Hex 7.5mm - CAT L1 (pr)
U7404 Alloy Radius Arms - CAT L1 (pr)
U7405 Titanium Front Inboard Pivot Pin - CAT L1 (pr)
U7406 Titanium Rear Inboard Pivot Pin - CAT L1 (pr)
U7407 Alloy Rear Block Spacer 3mm - CAT L1
U7408 Alloy Rear link Mount - CAT L1
U7409 C/F Front Topdeck 3.00mm - CAT L1 (pr)

SPEED SECRET - OPTION PARTS Cont....

U7410 C/F Rear Topdeck 3.00mm - CAT L1 (pr)
U7411 Alloy Centre Topdeck - CAT L1 (pr)
U7412 Alloy Rear Hub Carriers - CAT L1 (pr)
U7413 Alloy Yoke 8 Deg - CAT L1 (pr)
U7414 Alloy Yoke 12 Deg - CAT L1 (pr)
U7417 83T 3 Plate Slipper Spur Gear
U7418 3 Plate Slipper Clutch Conversion
U7419 Titanium M4 x 20 Grub Screw (pr)
U7420 Alloy Adjustable Rear Wing Mount Set - Off Road
U7421 Alloy Gear Diff Complete - L1/KC
U7422 Alloy Gear Diff Housing - L1/KC (**Requires U7423**)
U7423 Alloy Gear Diff Cover - L1/KC (**Requires U7422**)
U7424 Alloy Lightweight LiPo Nut - (pr)
U7425 3 Plate Slipper Alloy Disk
U7429 Front Wing Mount Mouldings - CAT L1
U7430 Alloy Rear Pivot Blocks 3.5/2 deg - CAT L1
U7437 S2 Rear Shock Mount - CAT L1
U7438 S2 Front Shock Mount - CAT L1
U7443 Alloy Yoke 10 Deg - CAT L1 (pr)

TEAM MERCHANDISE

G315 Schumacher Pit Towel
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
G340 Schumacher Baseball Cap - Black
G342L T - Navy - Large 100% cotton knit mens
G342M T - Navy - Medium 100% cotton knit mens
G342S T - Navy - Small 100% cotton knit mens
G342XL T - Navy - X-Large 100% cotton knit mens
G342XXL T - Navy - XX-Large 100% cotton knit mens
G342XXXL T - Navy - XXX-Large 100% cotton knit mens
G342XXXXL T - Navy - XXXX-Large 100% cotton knit mens
G342XXXXXL T - Navy - XXXXX-Large 100% cotton knit mens
G343L Sweat-Navy-Large 80% cotton,20% polyester knit men
G343M Sweat-Navy-Med, 80% cotton,20% polyester knit men
G343S Sweat-Navy-Small,80% cotton,20% polyester knit men
G343XL Sweat-Navy-XL, 80% cotton,20% polyester knit men
G344L Polo - Navy - Large, 100% cotton knit mens
G344M Polo - Navy - Med, 100% cotton knit mens
G344S Polo - Navy - Small, 100% cotton knit mens
G344XL Polo - Navy - X-Large, 100% cotton knit mens
G344XXL Polo - Navy - XX-Large, 100% cotton knit mens
G344XXXL Polo - Navy - XXX-Large, 100% cotton knit mens
G344XXXXL Polo - Navy - XXXX-Large, 100% cotton knit mens
G344XXXXXL Polo - Navy - XXXXX-Large, 100% cotton knit mens
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
G355 Schumacher Hauler Bag

ELECTRONICS

CR195 Portable Emergency 60W Soldering Iron
SK-500015 Corner Weight System
SK-600089-01 LED Pit Light 11-18V DC - Black
SK-600089-02 LED Pit Light 11-18V DC - Blue
SK-600114-01 DC Power Distributor

SERVOS

CR496 CORE RC - 9008TG Digital Servo 9Kg .08 Sec
CR497 CORE RC - 1012TG Digital Servo 10Kg .12 Sec
DA720702 ST702 Super Torque High Voltage Servo A8

SERVOS Cont....

HSDR420 Servo (Speed) - 1/10 .07s 6.2kg
HSDS1000 Servo (Speed) - 1/10 .08s 10.2kg
HSDS400 Servo (Speed) - 1/10 .09s 7.2kg
HSDS700 Servo (Speed) - 1/10 .08s 9.9kg
HSDT450 Servo (Torque) - 1/10 .11s 7.9kg
HSDT750 Servo (Torque) - 1/10 HV .12s 13.8kg
KO30123RSx3 Response Servo
KO30201Servo BSx2 Response HC - .09 - 15.4Kg
SA107A54071A ERS-961 High Speed Ti Gear WP Servo
SA107A54081A ERS-962 Hi Torque St Gear WP Servo
SA107A54381A SRG-BX Servo
SA107A54385A SRG-BX - Type R - Servo
SA107A54461A PGS-XB Programmable High Torq BL Servo
SA107A54463A PGS-XR Programmable High Spd BL Servo
SA107A54523A PGS-CX Servo Hi Torque

TRANSMITTERS AND RECEIVERS

CR277 CODE 2.4G FHSS Steerwheel Radio TxRx
CR278 CODE 2.4G FHSS - Rx Only
KO80561 EX-2 Standard Edition
KO80576 EX-RR w/KR-415FHD
KO80700E sprit IV - Stick Radio Combo
SA101A31671A M12S Radio Set with RX472
SA101A31971A MT-S Radio Set with RX482
SA101A32571A MX-6 Radio Set with RX-391W
SA101A32071A EXZES ZZ Radio Set with RX472
SA101A32171A MT-44 Radio Set with RX-482
SA101A32371A M12S-RS Radio Set with RX482
SA107A40843A RX-371FS FHSS-2 Receiver
SA107A40973A RX-451R 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
SA107A41311A RX-481WP - Built in Antenna Receiver
U4831 Aerial Tube Cap - Black (6pk)

CHARGERS AND DISCHARGERS

AM701000 AM Auto Balance Charger&Discharger
CR031 Charger Connector Set - 8pcs (10Amps max)
CR114 UDC Balance Adaptor Set JST-XH to JST-EH 2-6S
CR161 UAC50 Charger 12v/110-240v 6A
ISQ6PLUS-B Q6 + Smart Charger - Black
ISSC620 SC-620 Smart Charger (500W)
NR91400 Sigma Power Charger
NR91555 Stealth Touch Evolution Charger
NR93160 Nosram Power Supply 13.8V / 20A
NR95815 Nosram Universal Charging Lead-Tamiya/JST Plug
NR95816 Nosram Universal Chg Lead-2S Lipo H/Case/Bal Adpt
NR95817 Nosram Universal Chg Lead- US-Style Plug
SK-100013 SKY RC - Quattro B6 Charger 50Wx4 AC/DC
SK-100064 T6755 Charger 7A 55W AC/DC Touch Screen
SK-100068-01 SKY RC 6 x 80+ Charger Blue Version
SK-100084 Imax B6 Mini Charger 6A 60W DC
SK-100097 D200 AC/DC Dual Charger 200W 20A + soldering iron
SK-100103 Extreme Quick Charger 50W/4A - 2-4S
SK-100104 Q200 Quattro Charger
SK-100107-04 E430 Lipo Charger AC 3A 30W 2-4s
SK-100122 e450 Charger 50W - 4A -AC
SK-100123 D400 Charger
SK-100124 PC1080 Dual Charger
SK-100129 Ultimate Duo D250 Charger
SK-100130 E660 Charger AC/DC 60W 6A
SK-100131 D100 v2 AC/DC Dual Balance Charger
SK-200013-01 eFuel 30A 540W Power Supply

CHARGERS AND DISCHARGERS Cont....

SK-200015 eFuel 50A 1200W Power Supply
SK-200017-01 SKY RC 17A Power Supply (UK Plug)

BRUSHLESS MOTORS

DA740055 R-Tune 540 Sensored BL Motor 5.5T
DA740065 R-Tune 540 Sensored BL Motor 6.5T
DA740075 R-Tune 540 Sensored BL Motor 7.5T
DA740085 R-Tune 540 Sensored BL Motor 8.5T
DA740095 R-Tune 540 Sensored BL Motor 9.5T
HW30401107 XERUN-V10-5.5T-Black-G3-BL-Motor
HW30401109 XERUN-V10-6.5T-Black-G3-BL-Motor
HW30401110 XERUN-V10-7.5T-Black-G3-BL-Motor
HW30401111 XERUN-V10-8.5T-Black-G3-BL-Motor
HW30404311 QUICRUN - 3650 - G2 - Motor - 8.5T
HW30404312 QUICRUN - 3650 - G2 - Motor - 6.5T
NR920000 Nosram N22 Modified Motor - 3.5T
NR920001 Nosram N22 Modified Motor - 4.5T
NR920002 Nosram N22 Modified Motor - 5.5T
NR920003 Nosram N22 Modified Motor - 6.5T
NR920004 Nosram N22 Modified Motor - 7.5T
NR920005 Nosram N22 Modified Motor - 8.5T
NR920006 Nosram N22 Modified Motor - 9.5T
NR920007 Nosram N22 Modified Motor - 10.5T
NR920008 Nosram N22 Modified Motor - 4.0T
NR920009 Nosram N22 Modified Motor - 5.0T
NR920010 Nosram N22 Modified Motor - 6.0T
NR920011 Nosram N22 Modified Motor - 7.0T
NR920012 Nosram N22 Modified Motor - 8.0T
SK-400003-23 ARES Pro BL Motor 5.5T
SK-400003-24 ARES Pro BL Motor 6.5T
SK-400003-25 ARES Pro BL Motor 7.5T
SK-400003-26 ARES Pro BL Motor 8.5T
SK-400003-27 ARES Pro BL Motor 9.5T
SP13855V3 Speed Passion V3.0 Comp BL Motor; 5.5T
SP13865V3 Speed Passion V3.0 Comp BL Motor; 6.5T
SP13875V3 Speed Passion V3.0 Comp BL Motor; 7.5T
SP13885V3 Speed Passion V3.0 Comp BL Motor; 8.5T

BRUSHLESS ACCESSORIES

CR133 Core Sensor Lead; 80mm
CR134 Core Sensor Lead; 180mm
CR252 90mm Flat Bonded Flex Sensor Wire
CR253 110mm Flat Bonded Flex Sensor Wire
CR254 150mm Flat Bonded Flex Sensor Wire
CR255 200mm Flat Bonded Flex Sensor Wire
CR256 270mm Flat Bonded Flex Sensor Wire
CR650 90mm Super Flex 26GA Silicone Sensor Wire
CR651 150mm Super Flex 26GA Silicone sensor Wire
CR652 125mm Super Flex 26GA Silicone Sensor Wire
DA770011 AL Series Program Card
DA770106 Ultra High Speed ESC Cooling Fan 30x30x10mm Plast
DA771001 Receiver Cable 200mm
DA771002 On/Off Switch
HW2361200 XERUN - Sensor Cable - 120mm
HW2362000 XERUN - Sensor Cable - 200mm
HW30502000014 XERUN - EZRUN - Multifunction - LCD - Program Box
HW30503000 WiFi - Express Module
HW30860200010 XERUN - Fan - 2510SH - 13000RPM - 5V/0.16A for 2S
HW86020010 XERUN - EZRUN - Program Card for ESC
HW86030030 XERUN - Capacitors
HW86080120 EZRUN - Heat Sink with Fan for 3660,3674 Motors
HW86080130 EZRUN - Heat Sink with Fan for 4465 Motors
NR92512 Cooling Fan; Low Profile - Include Mounting Screws
SK-300046-01 Program Box
SP000007 Muti LED Program Card Version 2.0
SP001130 Reventon PRO 1.1 Fan
SP162801 SP - Sensor Cable 180mm

BRUSHLESS ACCESSORIES Cont....

SP162802 SP - Sensor Cable 90mm
SP162810 SP - HiPower Solder Post; 3pcs
SP162820 SP - HiPower Connector; V3.0 Motors 3pcs

BRUSHLESS ESC and MOTOR COMBO

HW38020216 XERUN - Combo - XR10 Pro-C - 5.5T
HW38020217 XERUN - Combo - XR10 Pro-D - 6.5T
HW38020218 XERUN - Combo - XR10 Pro-E - 7.5T
HW38020219 XERUN - Combo - XR10 Pro-F - 8.5T
HW38020220 XERUN - Combo - XR10 Pro-G - 10.5T
HW38020222 XERUN - Combo - XR10 Pro-H - 13.5T
HW38020224 XERUN - Combo - XR10 Pro-I - 17.5T
HW38020226 XERUN - Combo - XR10 Pro-J - 21.5T

BRUSHLESS SPEEDCONTROLS

CR173 PACE 45R Brushless ESC 1s/2s
CR174 PACE 45R/60R Programming Card
CR199 PACE 60R Brushless ESC 1S/2S
DA770001 AL Pro Competition ESC
HW30112600 XERUN - XR10 - Pro - V4 - Black
HW30112601 XERUN - XR10 - Pro - V4 - Orange
HW30112602 XERUN - XR10 - Pro - V4 - Red
HW30125000 Quicrun-10BL120-Sensored
HW81010190 EZRUN - 60A - SL - BL - ESC - 1/10th Car & Truck
HW81010390 EZRUN - WP - 80A - SL - BL - ESC-1/10th-Waterproof
HW81020170 XERUN - V2.1 - BL - ESC - 120A - Blue
NR900003 Nosram HD Offroad Speed Control
SA107A54257A Super Vortex Sport ESC
SA107A54393A Super Vortex Stock ESC - SVZ Stock
SA107A54413A Super Vortex Generation 2 ESC - SVZ G2
SA107A54503A Super Vortex Gen2 Pro
SK-300044-01 Toro TS 120A ESC
SK-300062-01 Toro TS 120A Alloy ESC - Blue
SK-300062-02 Toro TS 120A Alloy ESC - Black
SK-300064-01 Toro TS 160 ESC
SK-300065 TS120W Water Proof BL Sensorless ESC
SP000739 Reventon Pro ESC-2S - V1.1 Black

BATTERIES

AM199502 Lipo Safe Bag (185 x 75 x 60mm)
AM700201 AM Lipo 4600mAh 2S Shorty - 7.4V - 55C/110C
AM700202 AM Lipo 5000 mAh 2S Shorty - 7.4V 55/110C
AM700203 Lipo 6000mAh 2S Shorty - 7.6V 55/110C
AM700401 AM Lipo 2800mAh 2S Super Shorty-7.4V 55/110C
CR007 CORE RC Silicone Wire 12g - Red/Black 50cm (pk2)
CR009 CORE RC RED Connector with 2x4mm Males
CR050 CORE RC Silicone Wire 12AWG - Red 1Mtr
CR051 CORE RC Silicone Wire 12AWG - Black 1Mtr
CR052 CORE RC Silicone Wire 12AWG - Blue 1Mtr
CR115 CORE RC Silicone Wire 12g - Red/Black/Blue 50cm (pk3)
CR124 Heatshrink 6.0mm dia Black (pk20)
CR125 Heatshrink 6.0mm dia Red (pk20)
CR170 CORE RC Lipo Locker - 17 x 8 x 7cm
CR287 Silicone Wire Black 14 AWG - 1Mtr
CR288 Silicone Wire Black 16 AWG - 1Mtr
CR295 CORE RC-5000mAHr 7.4V 30/60C 2S Saddle Lipo
CR653 Core RC Silicone Wire 13AWG - Black 1 Mtr
DA771003 12AWG Wire
DA771004 13AWG Wire
DA771005 14AWG Wire
H1046 T Connector; Red 2 Way - Male and Female
H1047 T Connector; Black 2 Way - Male and Female
H1048 T Connector; Red Sockets (pk4)
H1049 T Connector; Black Sockets (pk4)
IPBG2S4200HVR LiHV Battery Shorty 4200mAh-50C-7.6V 5mm
IPBG2S5000HV3 LiHV Shorty Battery 5000mAh-120C-7.6V
IPBG2S6000HV3 LiHV Shorty Battery 6000mAh-120C-7.6V
IPLP2S3600HV3 LiHV Battery LP Shorty 3600mAh-120C-7.6V
MR-SB MR33 Lipo Bag
NR999533 Lipo 5800 1/10 X-treme Saddle P5-7.4V

BATTERIES Cont....

NR999535 Lipo 3900 1/10 X-treme Shorty Saddle P5-7.4V
NR999536 Lipo 3900 1/10 X-treme Small Saddle P5-7.4V
SK-500007-01 SKY RC Lipo Pal

GENERAL ACCESSORIES

CR043 CORE RC - Silver X-Weights (pk16)
CR058 CORE RC - Black X-Weights (pk16)
CR197 CORE RC - Glass Setup Board
CR297 CORE RC - Neoprene Bag
CR518 Super Glue Nozzles (pk10)
CR520 Medium Thread Lock 3ml
CR521 Super Glue Activator 63ml
CR522 CORE RC - 522 Pro Tyre Glue + 2 Nozzles
CR548 CORE RC - Tool Bag
CR549 CORE RC - Oil Bag
G353 Schumacher Glass Setup Board
G354 Schumacher - Neoprene Bag
H1057 Loctite Precision Super Glue - 5g
J003 Contact RC - Glass Setup Board
J004 Contact RC - Neoprene Bag
MR-CSOFFROAD MR33 Car Stand Off Road
MR-SUPER GLUE Perfect Super Glue for Rubber Tyres

TOOLS

CR044 CORE RC - Curved Body Scissors
CR045 CORE RC - Straight Body Scissors
CR100 Shock Shaft Pliers - Purple
CR101 Shock Shaft Pliers - Black
CR102 Magnetic Parts Tray - Purple
CR103 Magnetic Parts Tray - Black
CR148 CORE RC - Polybutler Pit Box; Black
CR233 Piston Drilling Kit-1.1-1.8mm (8 bits)
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
U2795 Schumacher M3 Nut Driver
U2796 Schumacher M4 Nut Driver
U2818 Schumacher Body Reamer
U4229 Steel Spanner - 5.5mm/3.9mm

1-10 BUGGY ON ROAD TYRES

JY35 1/10 Buggy Foam Donuts Rear 35Sh (pr)
JY45 1/10 Buggy Foam Donuts Front 45Sh (pr)

1-10 BUGGY OFF ROAD TYRES

T650 CAT Full Spike 2" Rear - Yellow (pr)
T652 CAT Full Spike 2" Front - Yellow (pr)
T692 CAT Block Rear - Blue (pr)
T693 CAT Block Front - Blue (pr)
U6515 Mini Spike 2 Front - Green (pr)
U6516 Mini Spike 2 Rear - Green (pr)
U6517 Mini Spike 2 Front - Blue (pr)
U6518 Mini Spike 2 Rear - Blue (pr)
U6557 Mini Spike 2 Front - Yellow (pr)
U6558 Mini Spike 2 Rear - Yellow (pr)
U6595 Full Spike Front - Yellow (pr)
U6596 Full Spike Rear - Yellow (pr)
U6601 Mini Pin Blue - Front (pr)
U6607 Mini Pin Yellow - Front (pr)
U6608 Mini Pin Rear - Yellow (pr)
U6762 Mini Spike 2 Front - Silver (pr)
U6763 Mini Spike 2 Rear - Silver (pr)
U6777 Mini Pin Front - Silver (pr)
U6786 CAT Block Rear - Yellow (pr)
U6787 CAT Block Front - Yellow (pr)
U6797 Stud 2 Row Front - Yellow (pr)
U6803 Mini Pin 2 Rear 1/10 - Blue (pr)
U6804 Mini Pin 2 Rear 1/10 - Yellow (pr)

1-10 BUGGY OFF ROAD TYRES Cont....

U6805 Mini Pin 2 Rear 1/10 - Silver (pr)
U6810 Wide Stagger Rib 1/10 - Yellow (pr)
U6811 Wide Stagger Rib 1/10 - Silver (pr)
U6817 Mini Pin 1 Rear 1/10 - Yellow (pr)
U6819 Mini Pin 1 Rear 1/10 - Blue (pr)
U6820 Mini Pin 1 Rear 1/10 - Silver (pr)
U6821 Mini Pin 2 Front 1/10 - Yellow (pr)
U6825 Mini Dart 1/10 Front 4WD - Yellow (pr)
U6826 Mini Dart 1/10 Rear - Yellow (pr)
U6828 Mini Dart 1/10 Front 4WD - Blue (pr)
U6829 Mini Dart 1/10 Rear - Blue (pr)
U6831 Mini Dart 1/10 Front 4WD - Silver (pr)
U6832 Mini Dart 1/10 Rear - Silver (pr)
U6838 Cactus 1/10 Rear - Yellow (pr)
U6840 Cactus 1/10 Front 4WD - Yellow (pr)
U6842 Cactus 1/10 Rear - Silver (pr)
U6843 Cactus 1/10 Front 4WD - Silver (pr)
U6844 Cactus 1/10 Rear - Blue (pr)
U6845 Cactus 1/10 Front 4WD - Blue (pr)
U6846 Wide Stagger Rib 1/10 - Blue (pr)

PRE-GLUED 1-10 BUGGY OFF ROAD TYRES

U6791 Mini Pin Front 4WD - Yellow (pr)
U6792 Mini Pin Rear - Yellow (pr)
U6793 Mini Spike2 Front 4WD - Yellow (pr)
U6794 Mini Spike2 Rear - Yellow (pr)
U6806 Mini Pin 2 Rear - Yellow (pr)
U6812 Wide Stagger Rib Front 4WD - Yellow (pr)
U6818 Mini Pin 1 Rear - Yellow (pr)
U6822 Mini Pin 2 Front 4WD - Yellow (pr)
U6834 Mini Dart 1/10 Front 4WD - Yellow (pr)
U6835 Mini Dart 1/10 Rear - Yellow (pr)
U6839 Cactus 1/10 Rear - Yellow (pr)
U6841 Cactus 1/10 Front 4WD - Yellow (pr)

1-10 BUGGY WHEELS AND INSERTS

U4365 Wheel; Hex Rear - Black - Off Road (pr)
U4366 Wheel; Hex Rear - White - Off Road (pr)
U4495 Wheel; Hex Front V2 - Black - 4wd (pr)
U4496 Wheel; Hex Front - White - 4wd (pr)
U6652 Foam Tyre Insert; Hard - Front (pr)
U6653 Foam Tyre Insert; Hard - Rear (pr)
U6668 Foam Tyre Inserts; Soft - Ultra Wide (pr)
U6669 Foam Tyre Inserts; Hard - Ultra Wide (pr)
U6733 Foam Tyre Insert; Med - Front (pr)
U6734 Foam Tyre Insert; Med - Rear (pr)
U6746 Foam Tyre Insert; Tubby Med - Front (pr)
U6747 Foam Tyre Insert; Tubby Med - Rear (pr)

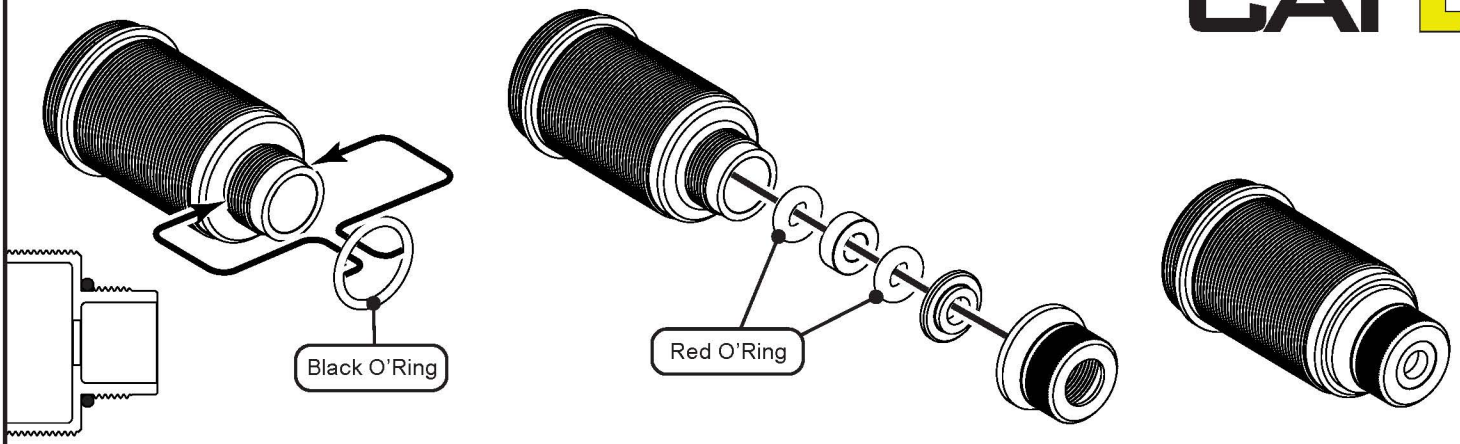
PAINT

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

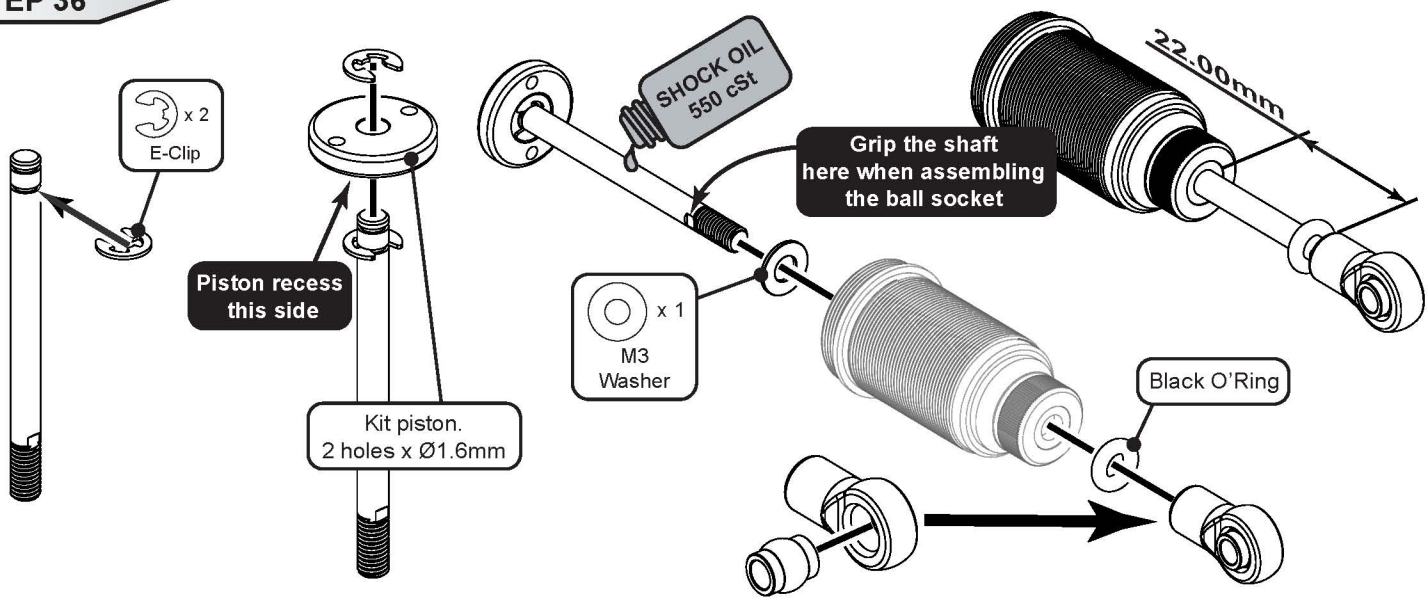
PAINT Cont....

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
HN20000 Airbrush Bottle Adapter for 60ml/120ml
HN20020 Airbrush Color SP Reducer/Cleaner 60ml
HN20021 Airbrush Color SP Reducer/Cleaner 120ml
HN20030 Airbrush Color Intercoat-Clear 60ml
HN20031 Airbrush Color Intercoat-Clear 120ml
HN21000 Airbrush Color Chrome 60ml
HN22000 Airbrush Color Solid White 60ml
HN22001 Airbrush Color Solid White 120ml
HN22020 Airbrush Color Solid Grey 60ml
HN22030 Airbrush Color Solid Black 60ml
HN22031 Airbrush Color Solid Black 120ml
HN22040 Airbrush Color Solid Yellow 60ml
HN22050 Airbrush Color Solid Orange 60ml
HN22060 Airbrush Color Solid Red 60ml
HN22080 Airbrush Color Solid Aqua Blue 60ml
HN22090 Airbrush Color Solid Sky Blue 60ml
HN22100 Airbrush Color Solid Blue 60ml
HN22110 Airbrush Color Solid Green 60ml
HN22130 Airbrush Color Solid Brown 60ml
HN23000 Airbrush Color Transparent Yellow 60ml
HN23010 Airbrush Color Transparent Orange 60ml
HN23020 Airbrush Color Transparent Pink 60ml
HN23030 Airbrush Color Transparent Red 60ml
HN23040 Airbrush Color Transparent Purple 60ml
HN23050 Airbrush Color Transparent Blue 60ml
HN23060 Airbrush Color Transparent Green 60ml
HN23070 Airbrush Color Transparent Grey Tint 60ml
HN24000 Airbrush Color Pearl White 60ml
HN24010 Airbrush Color Pearl Silver 60ml
HN24020 Airbrush Color Pearl Gold 60ml
HN24030 Airbrush Color Pearl Orange 60ml
HN24050 Airbrush Color Pearl Red 60ml
HN24060 Airbrush Color Pearl Copper 60ml
HN24070 Airbrush Color Pearl Blue 60ml
HN24080 Airbrush Color Pearl Key-Lime Green 60ml
HN24090 Airbrush Color Pearl Green 60ml
HN24100 Airbrush Color Pearl Charcoal Grey 60ml
HN24110 Airbrush Color Pearl Black 60ml
HN25000 Airbrush Color Neon Yellow 60ml
HN25010 Airbrush Color Neon Flame Orange 60ml
HN25020 Airbrush Color Neon Orange 60ml
HN25030 Airbrush Color Neon Pink 60ml
HN25040 Airbrush Color Neon Razberry 60ml
HN25050 Airbrush Color Neon Red 60ml
HN25060 Airbrush Color Neon Purple 60ml
HN25070 Airbrush Color Neon Blue 60ml
HN25080 Airbrush Color Neon Green 60ml
HN26000 Airbrush Color Iridescent Yellow 60ml
HN26010 Airbrush Color Iridescent Candy Red 60ml
HN26020 Airbrush Color Iridescent Red 60ml
HN26030 Airbrush Color Iridescent Purple 60ml
HN26050 Airbrush Color Iridescent Teal Green 60ml
HN26060 Airbrush Color Iridescent Turqoise 60ml

STEP 35

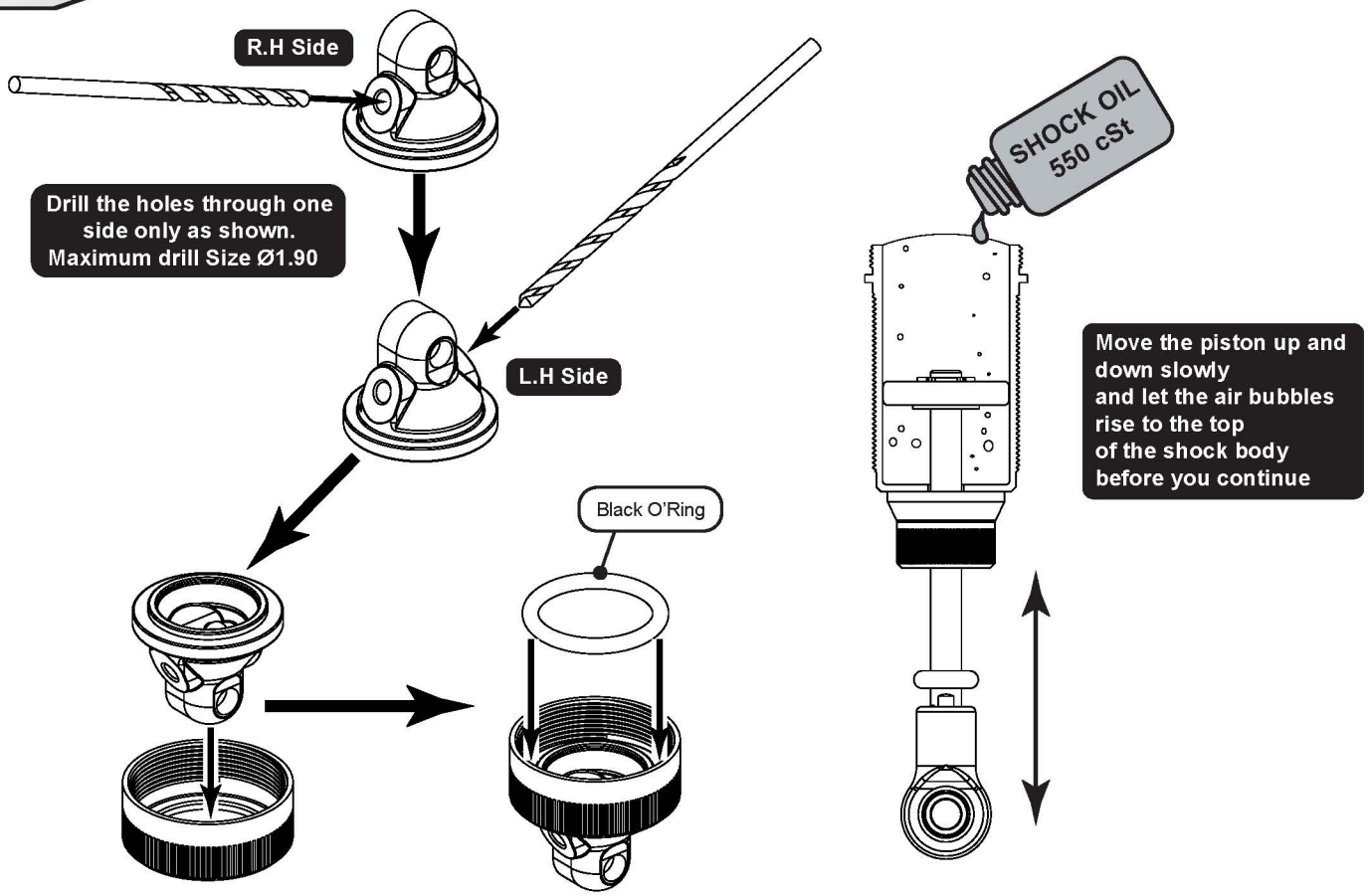


STEP 36



STEP 37

A



Screw the cap and O'ring onto the body.
Then tighten the cap fully.

Fully compress the shock.
Once the excess oil has been expelled,
seal off the cap with the screw.

x 2
M2.5 x 4

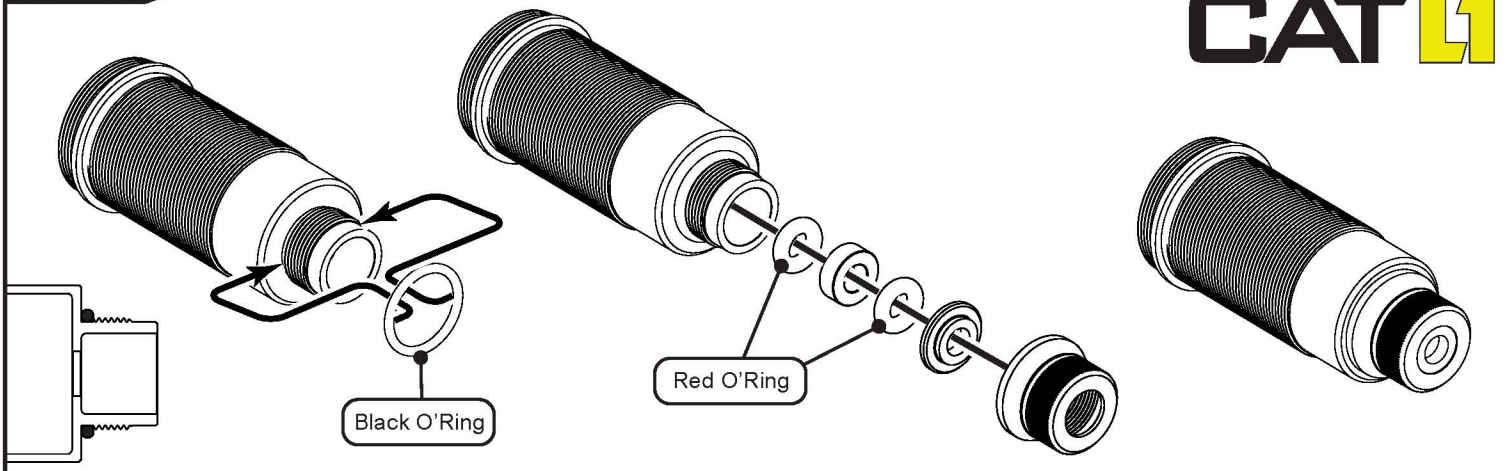
Slide the O'ring
up the shaft.

Black O'Ring

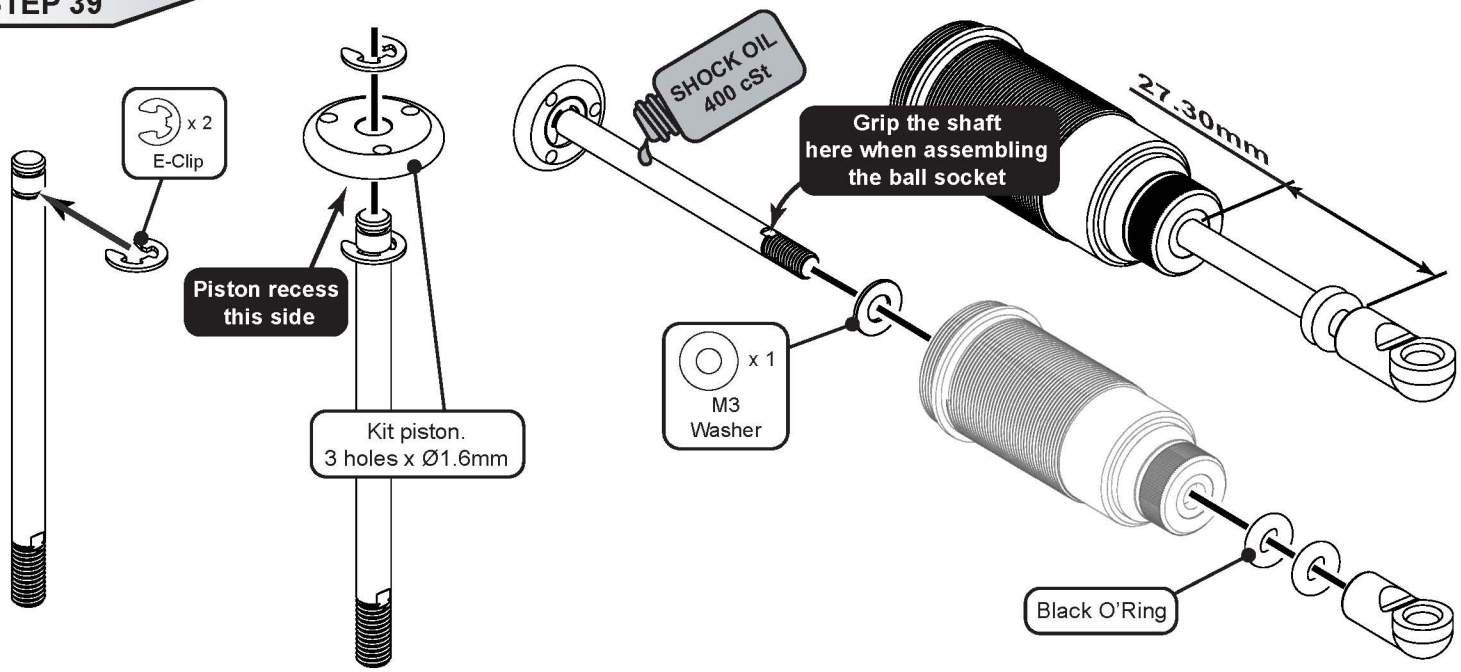
x 2
M3 x 16

Do NOT overtighten

STEP 38

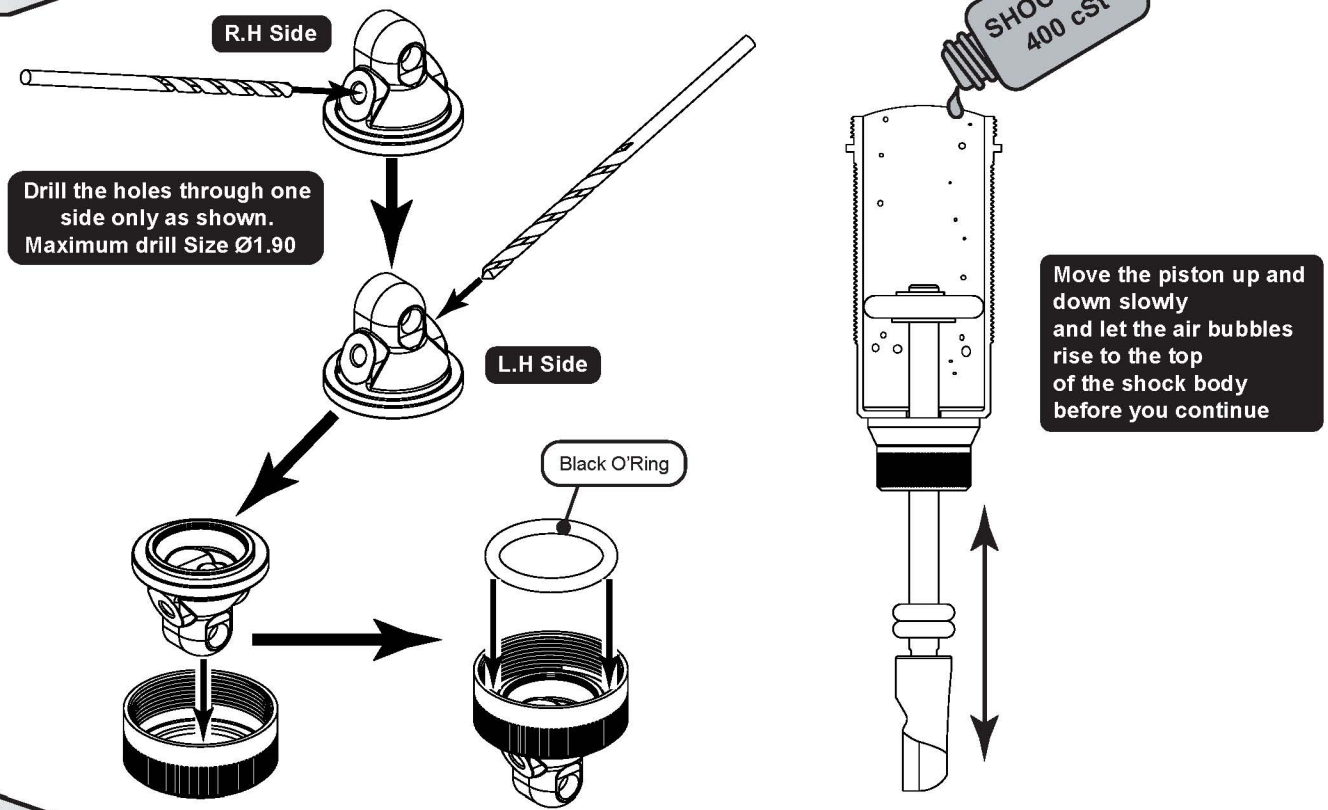


STEP 39



STEP 40

A



Screw the cap and O'ring onto the body.
Then tighten the cap fully.

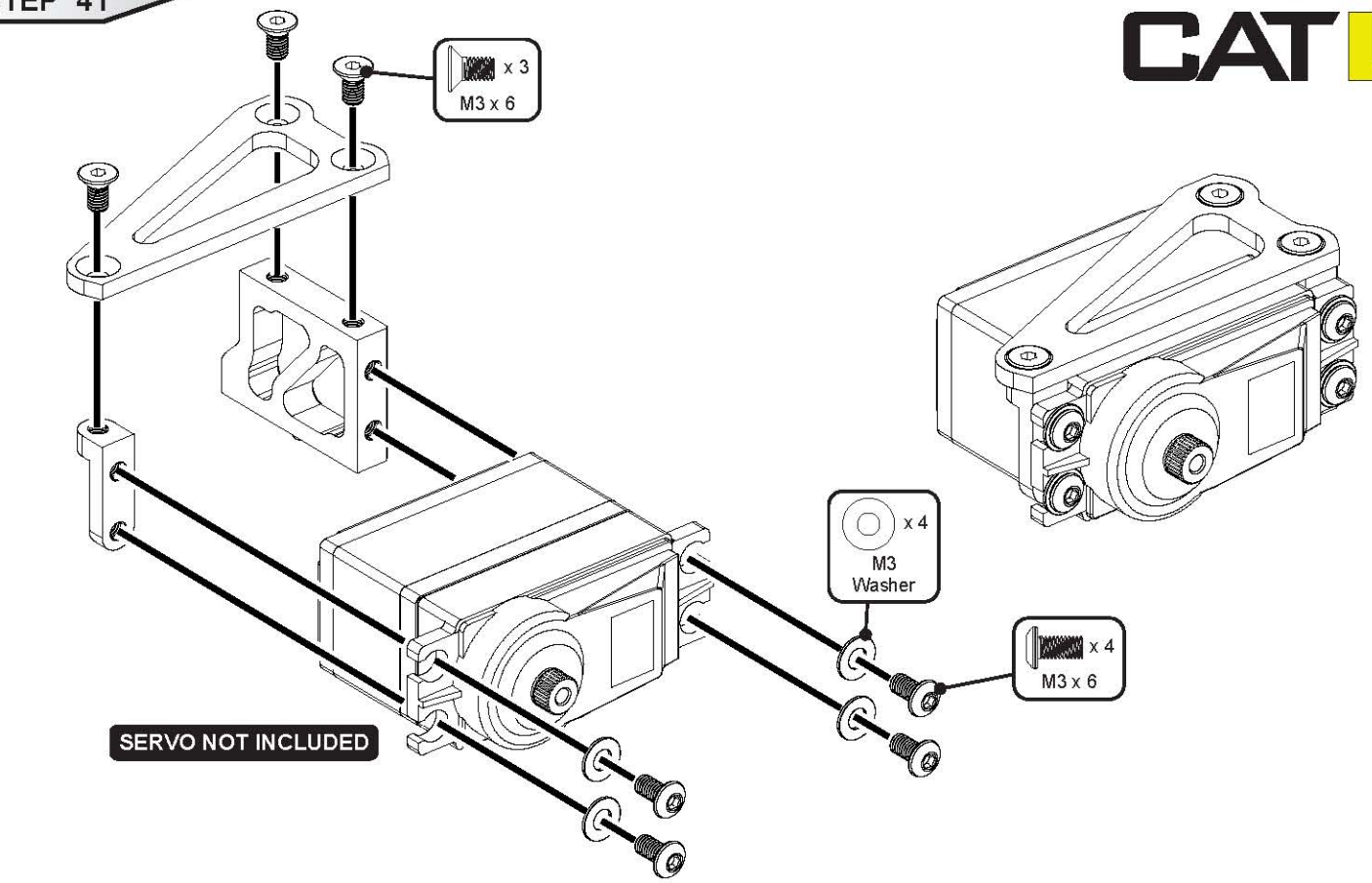
Fully compress the shock.
Once the excess oil has been expelled,
seal off the cap with the screw.

x 2
M2.5 x 4

Slide the O'rings
up the shaft.

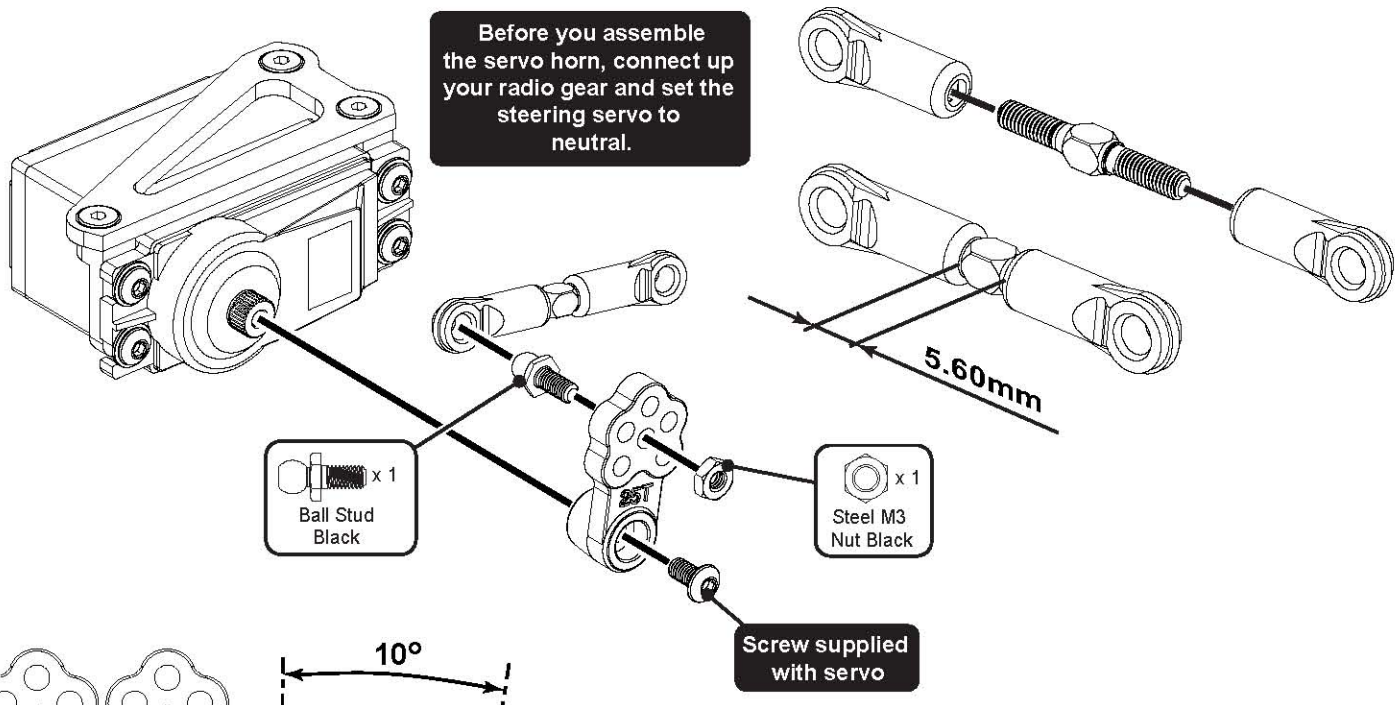
Black O'Ring

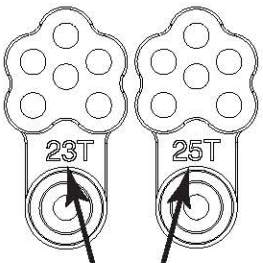
STEP 41



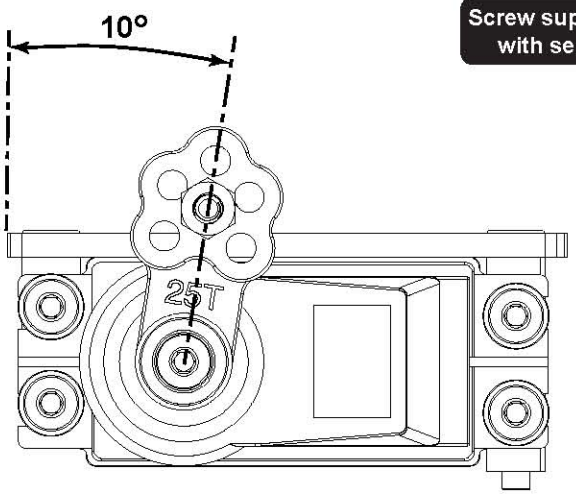
STEP 42

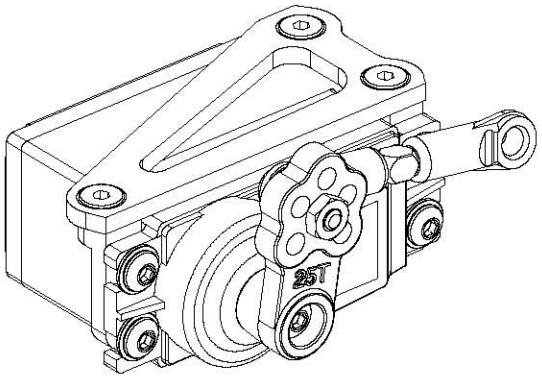
A



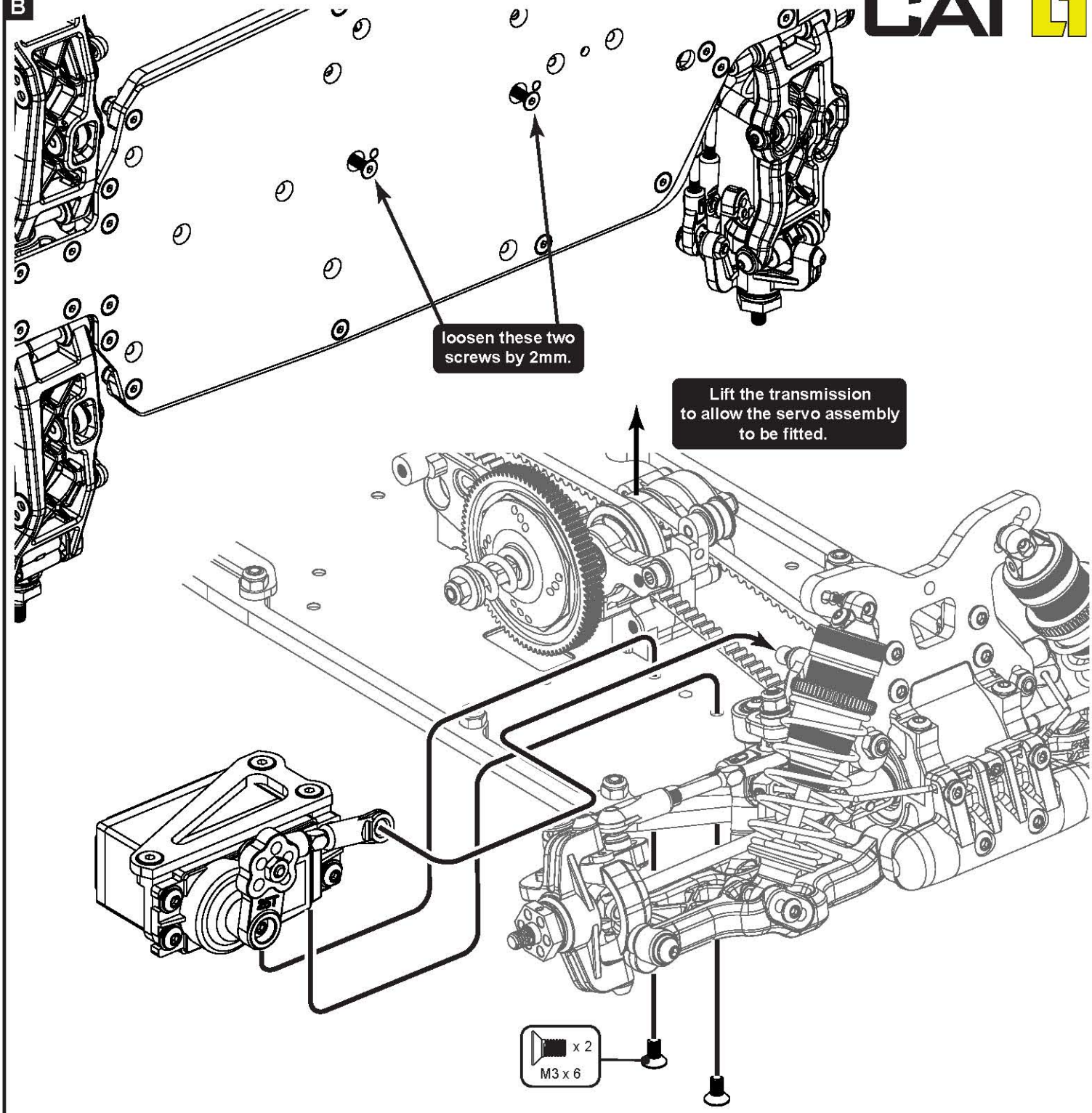


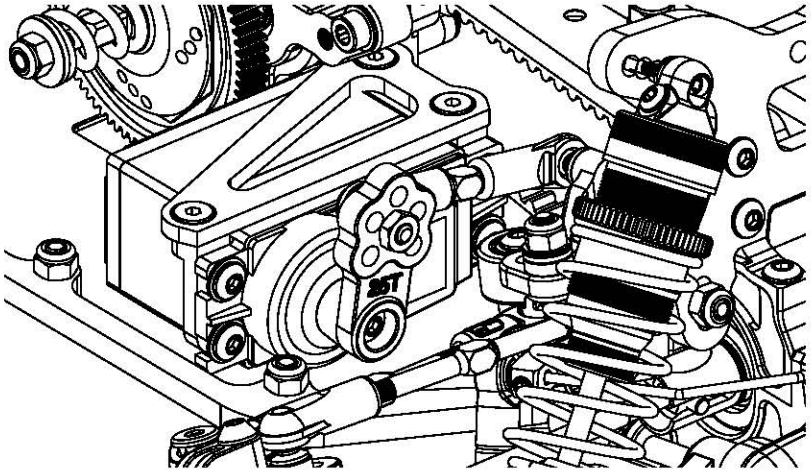
IMPORTANT
Select the correct horn for your servo.





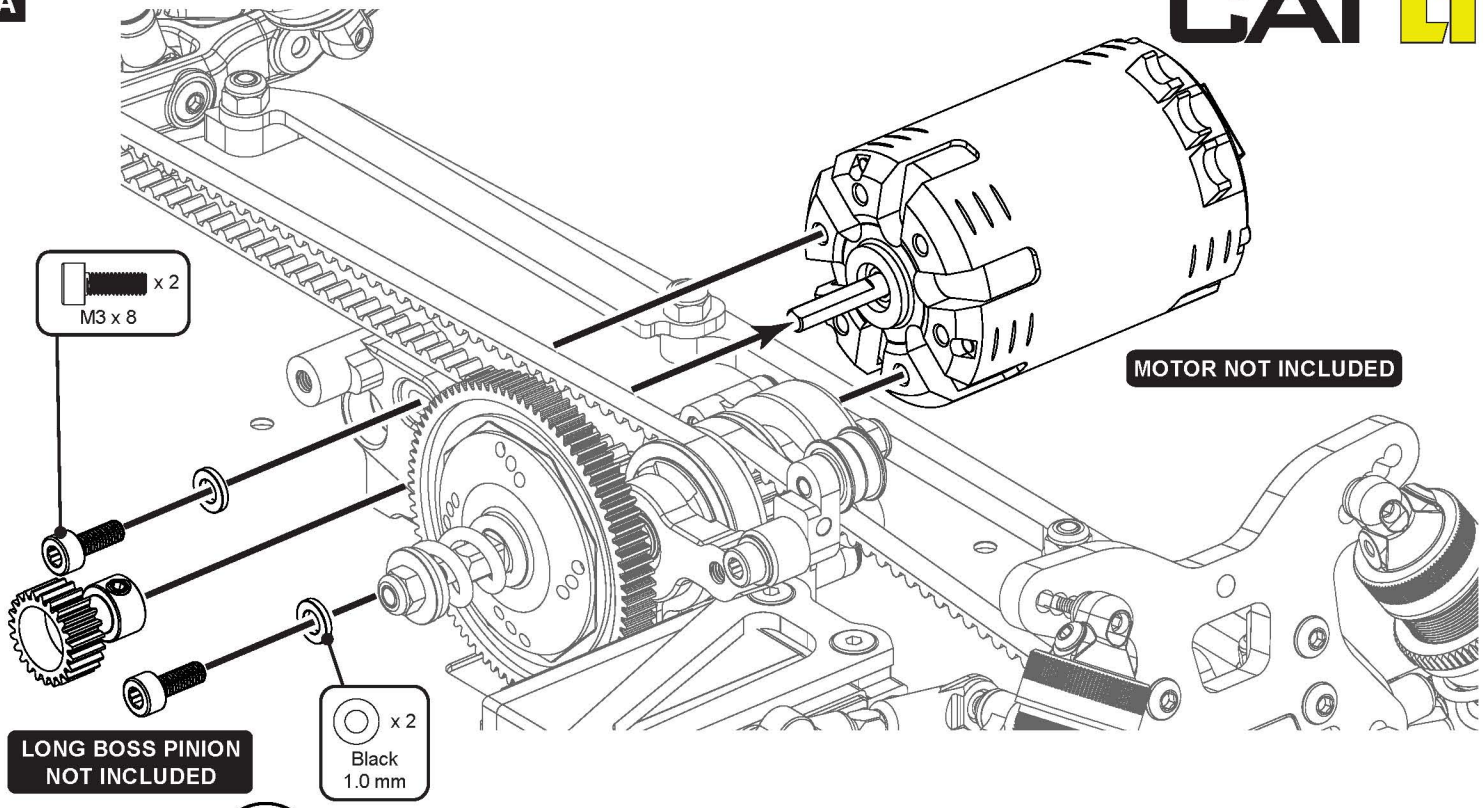
B

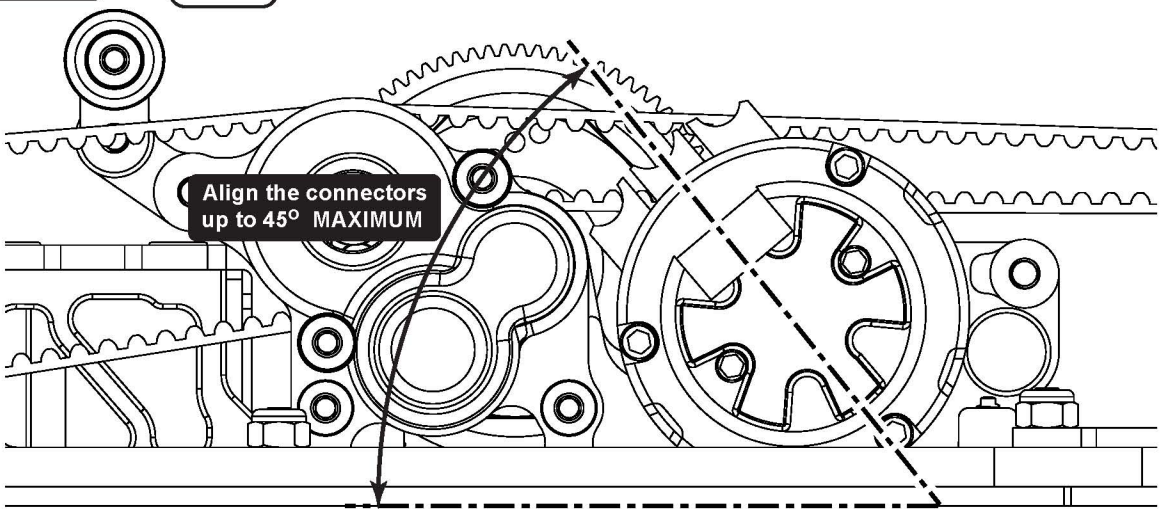


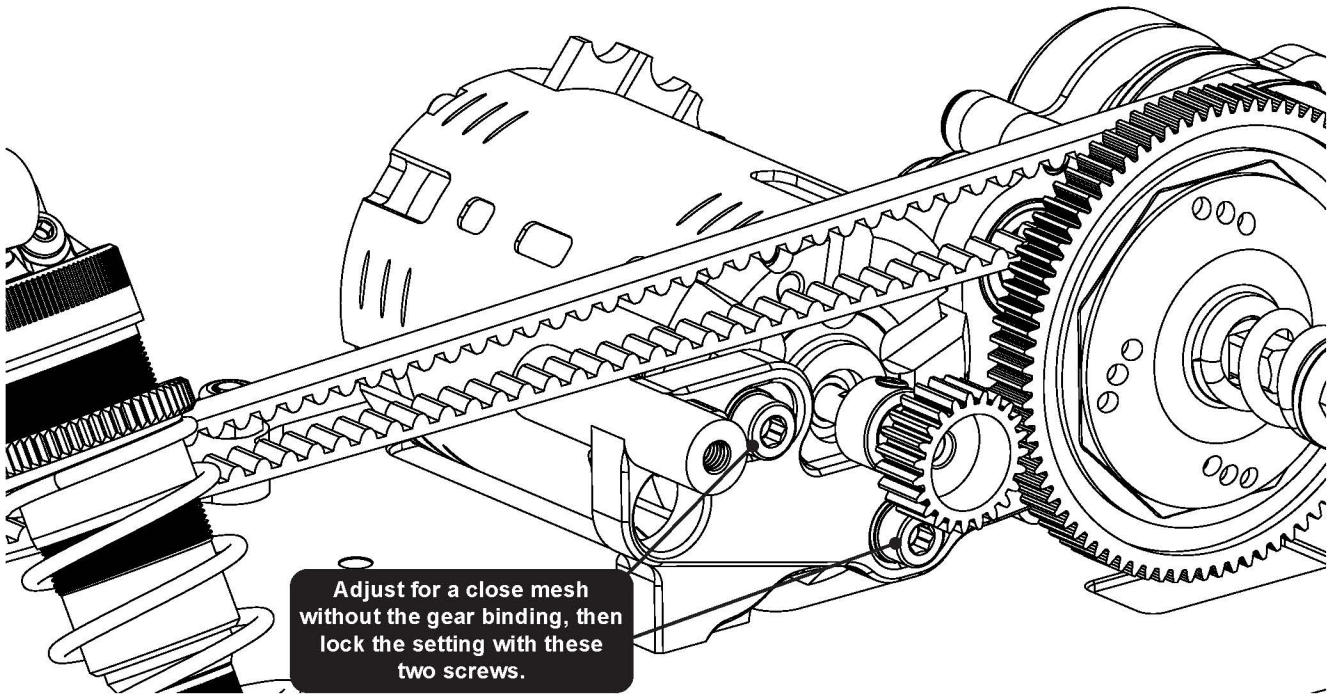


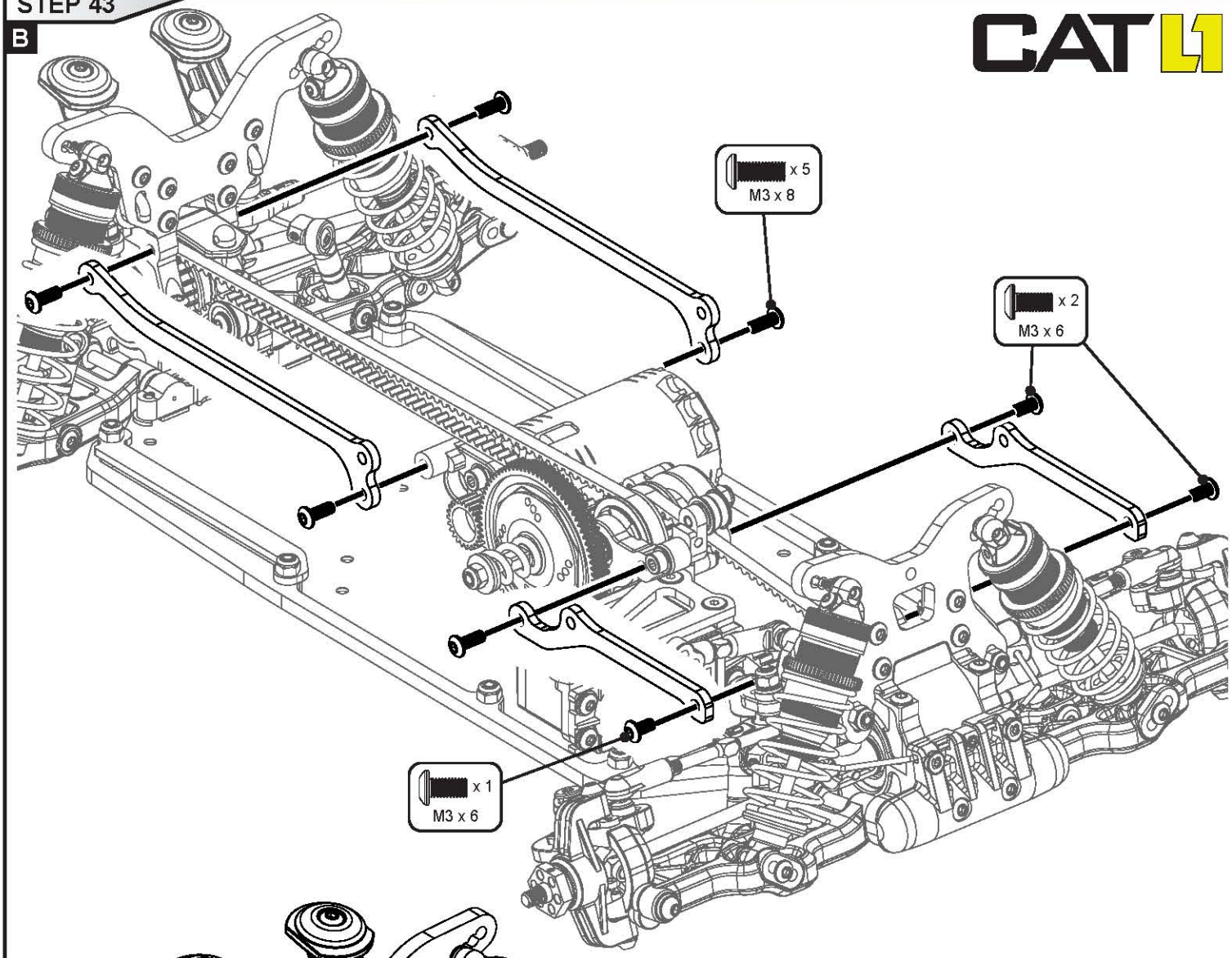
IMPORTANT
Re-Tighten the two transmission screws.

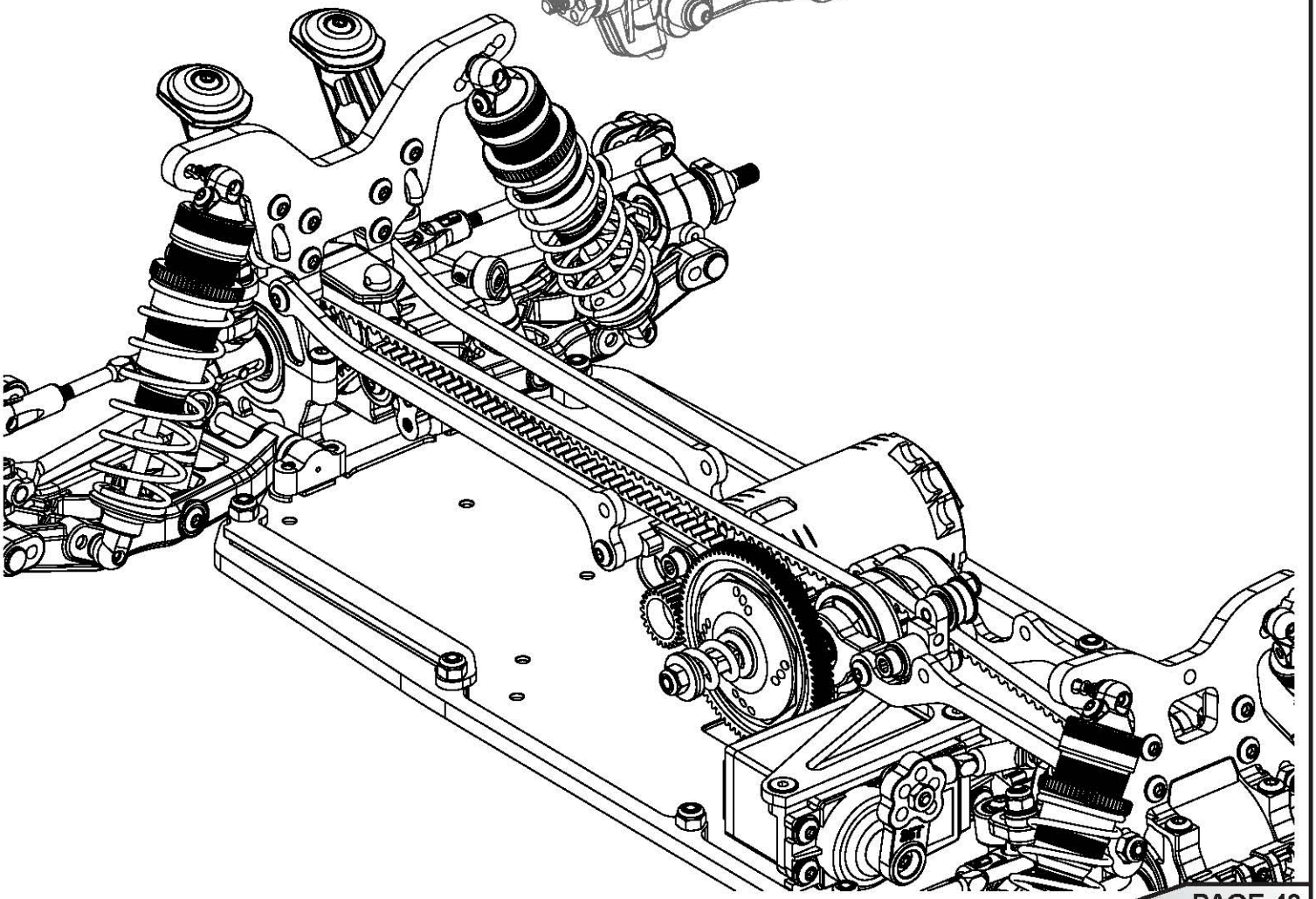
A


x 2
M3 x 8
MOTOR NOT INCLUDED
LONG BOSS PINION
NOT INCLUDED
x 2
Black
1.0 mm


Align the connectors
up to 45° MAXIMUM

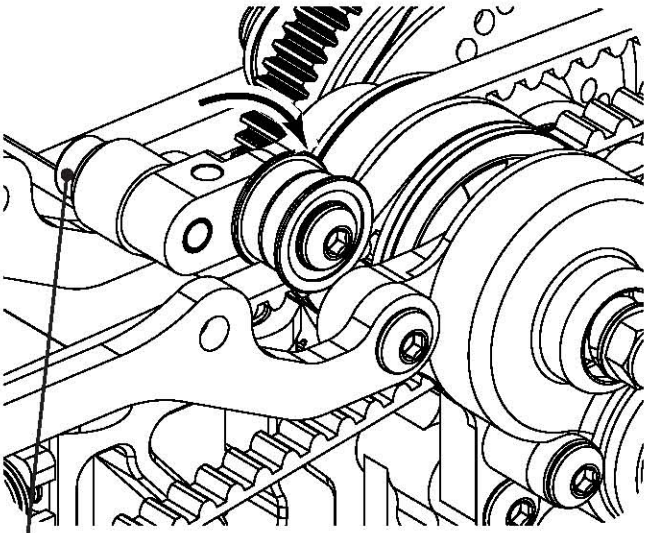

Adjust for a close mesh
without the gear binding, then
lock the setting with these
two screws.


x 5
M3 x 8
x 2
M3 x 6
x 1
M3 x 6

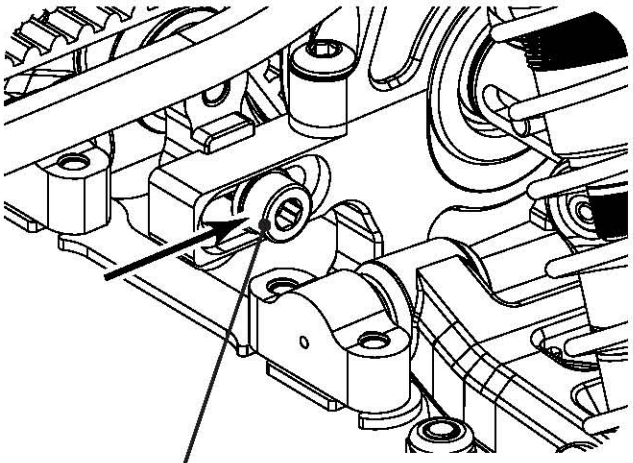


STEP 43

C



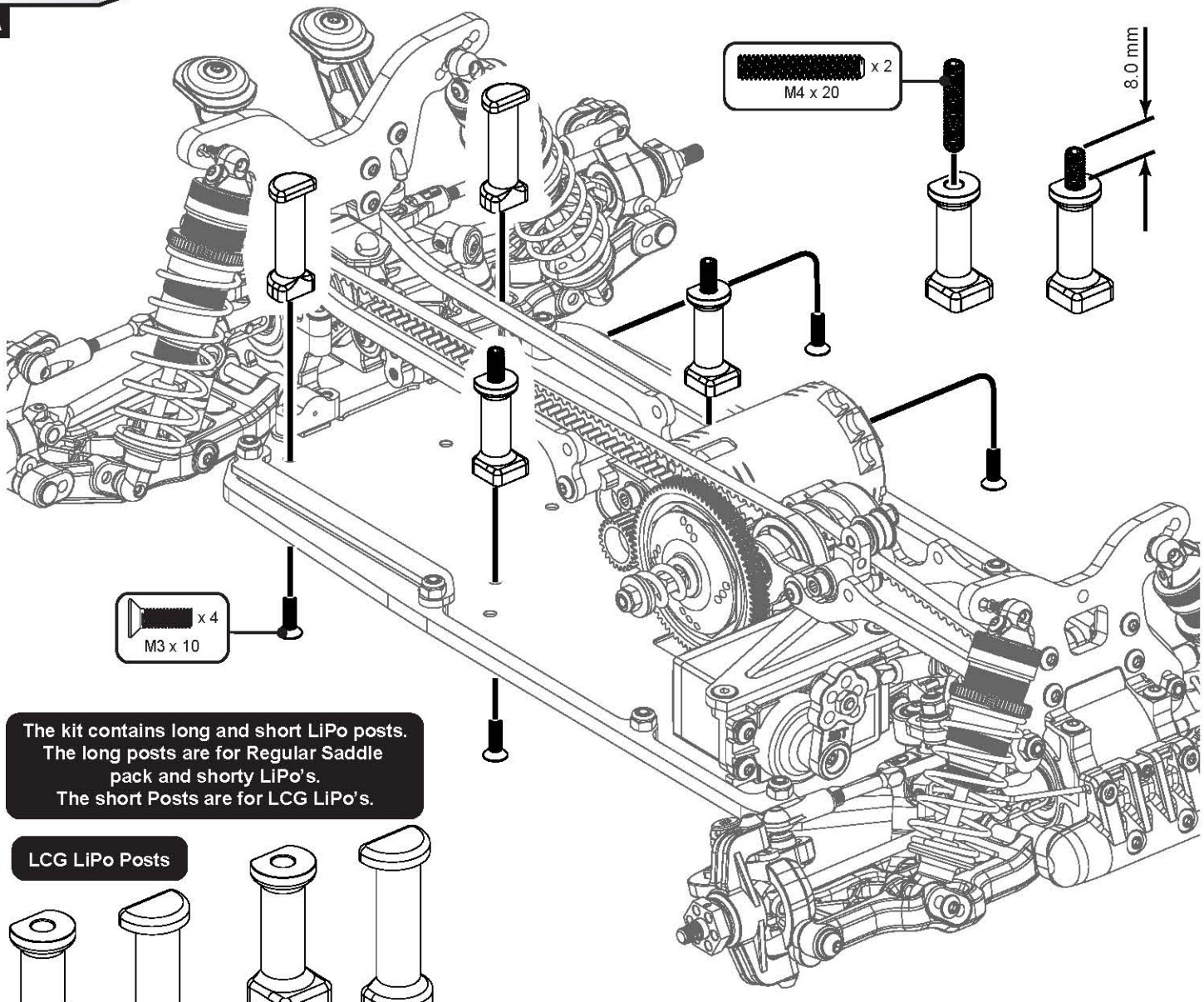
SETTING FRONT BELT TENSION.
Loosen the screw and rotate the belt tensioner to set the tension, then tighten the screw.



SETTING REAR BELT TENSION.
Loosen the screw and slide the belt tensioner to set the tension, then tighten the screw.

STEP 44

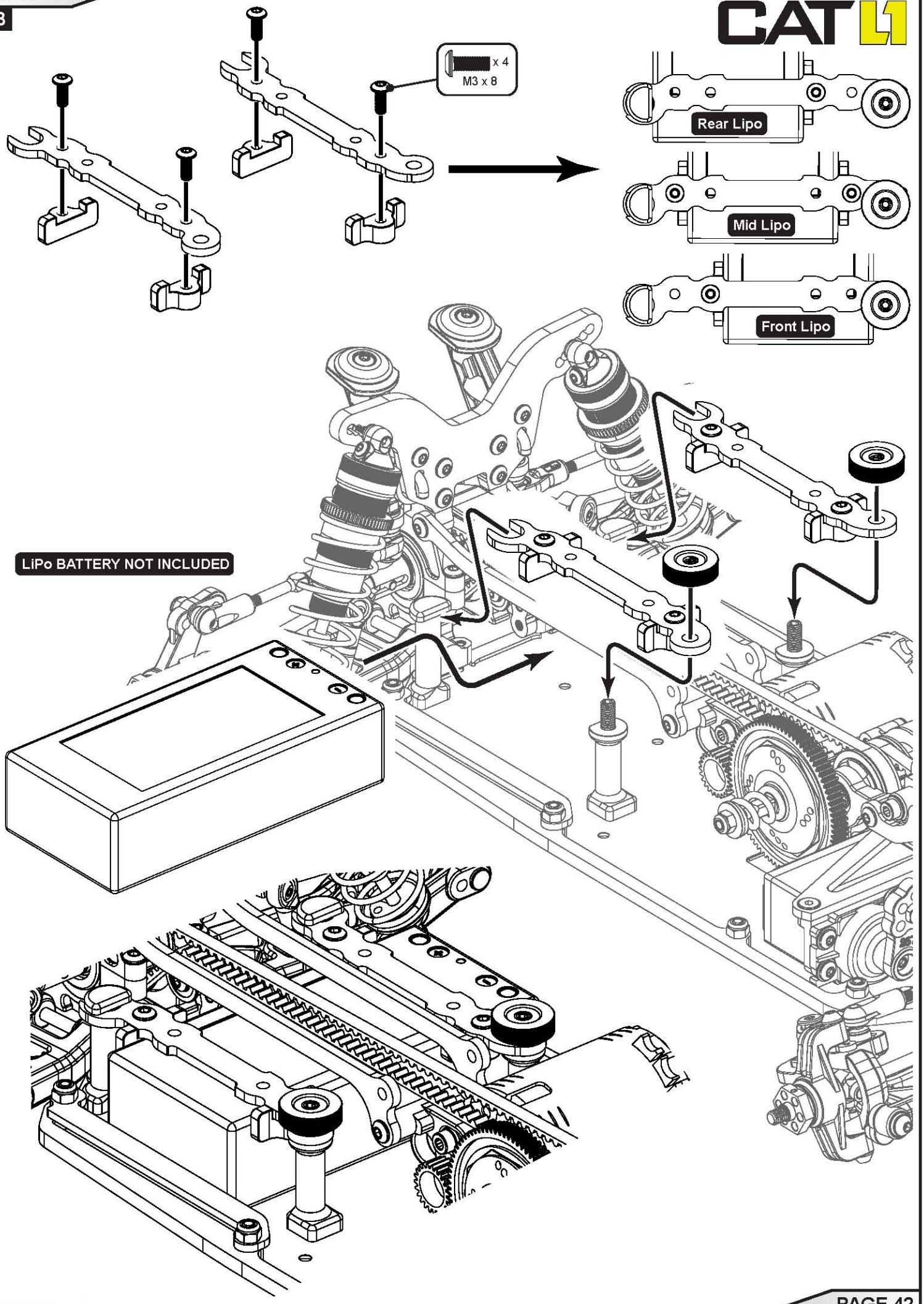
A



The kit contains long and short LiPo posts.
The long posts are for Regular Saddle pack and shorty LiPo's.
The short Posts are for LCG LiPo's.

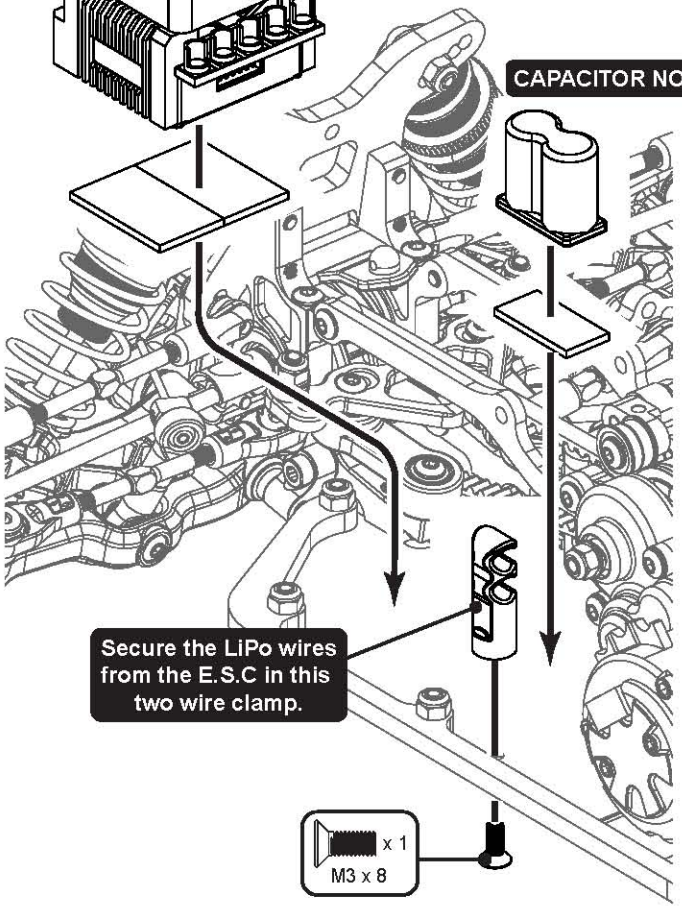
LCG LiPo Posts

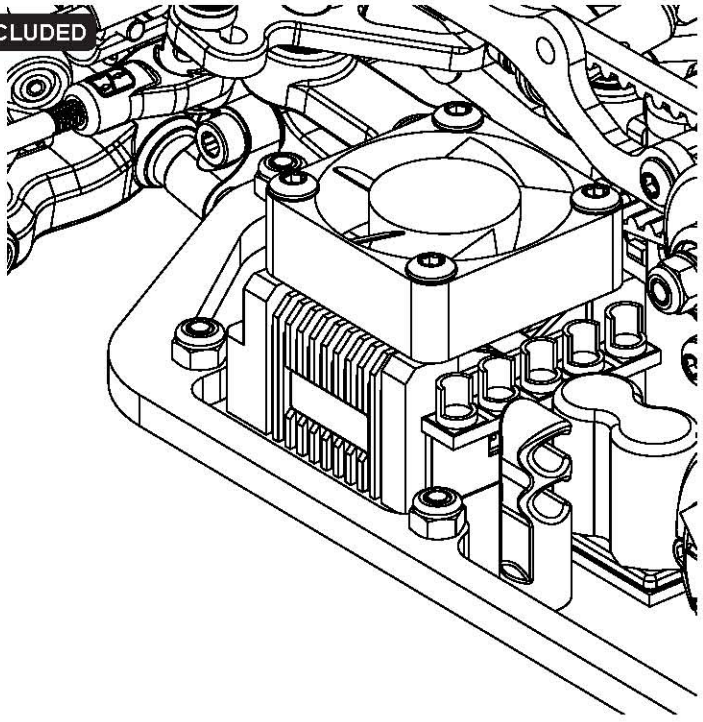
Regular LiPo Posts


x 4
M3 x 8
Rear Lipo
Mid Lipo
Front Lipo
LiPo BATTERY NOT INCLUDED

E.S.C NOT INCLUDED

CAPACITOR NOT INCLUDED

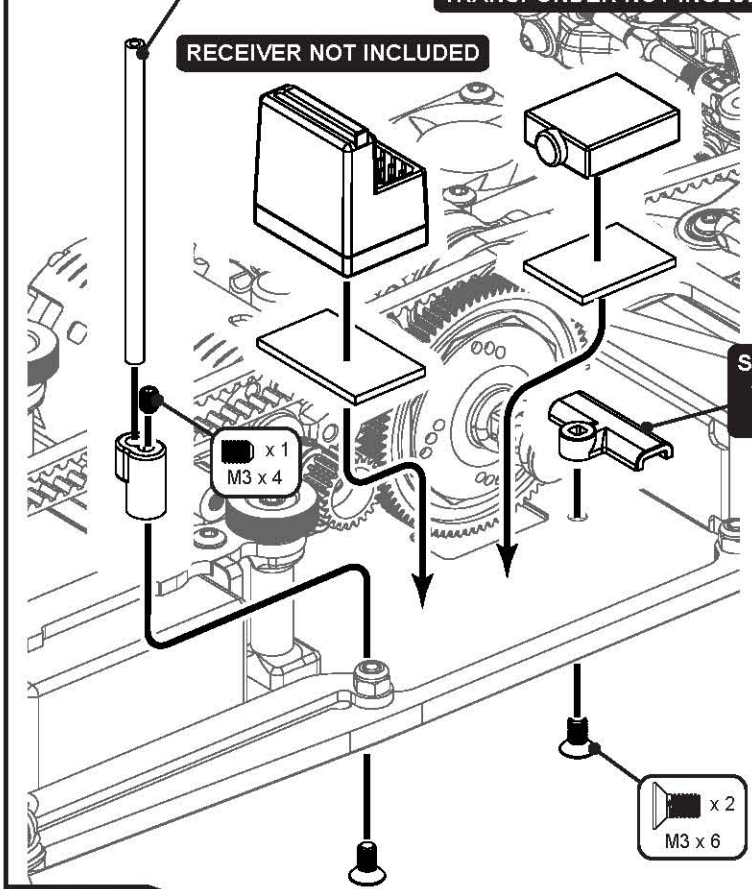




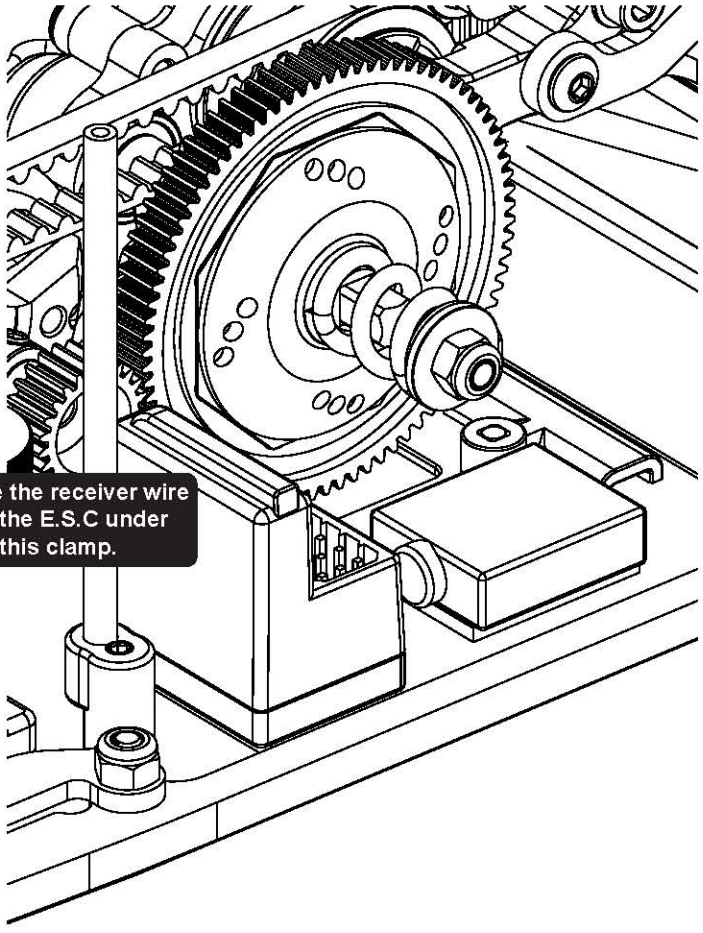
Aerial OPTIONAL depending on your receiver.

TRANSPONDER NOT INCLUDED

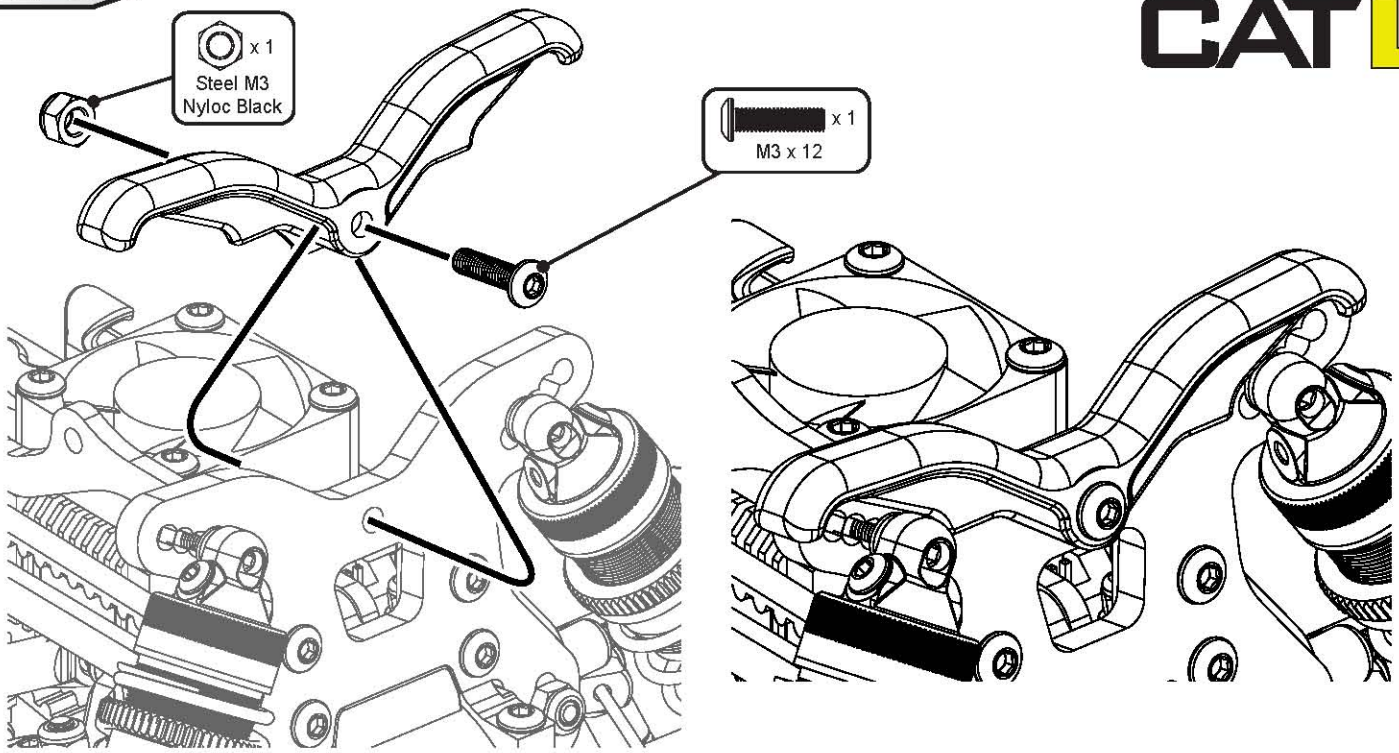
RECEIVER NOT INCLUDED



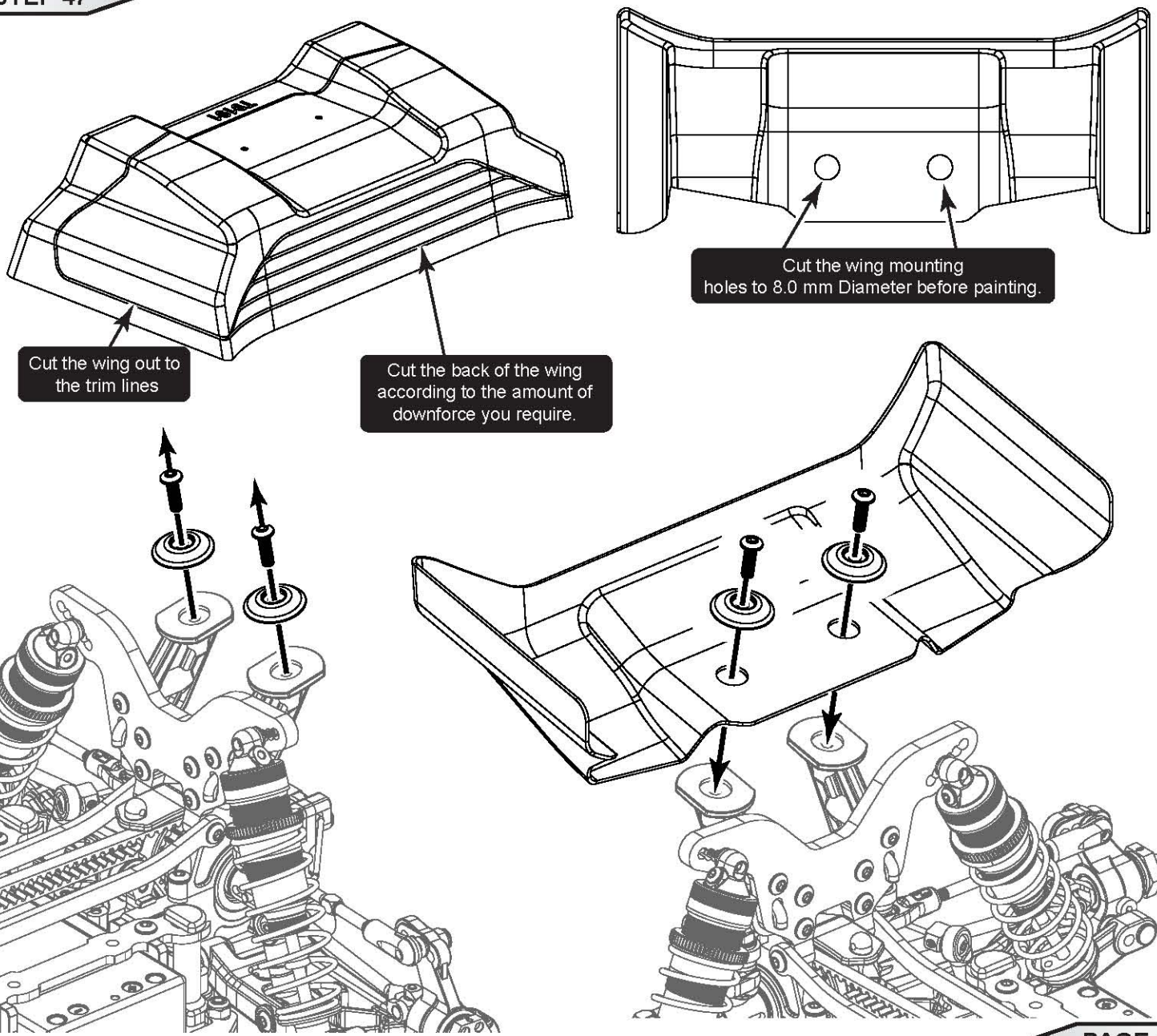
Secure the receiver wire from the E.S.C under this clamp.

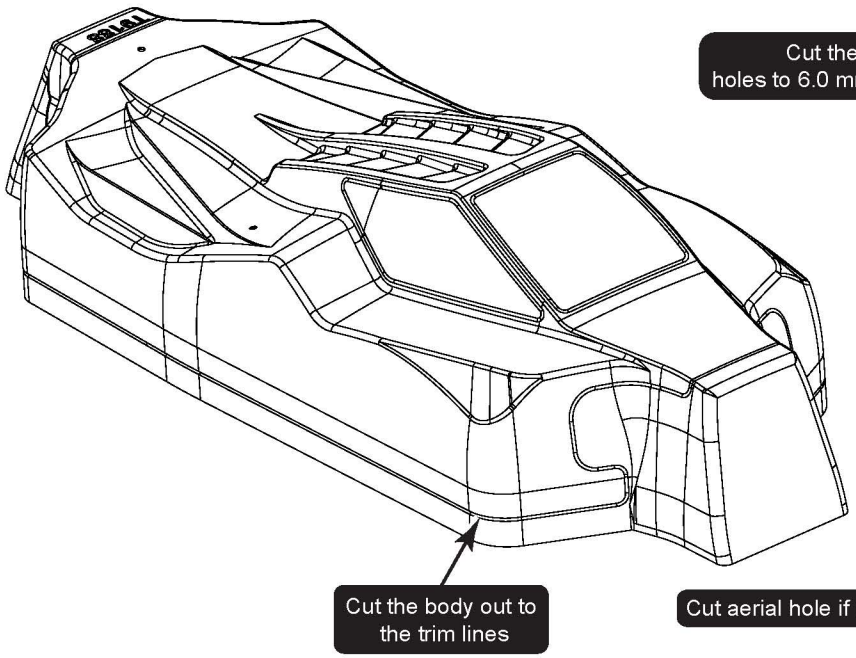


STEP 46



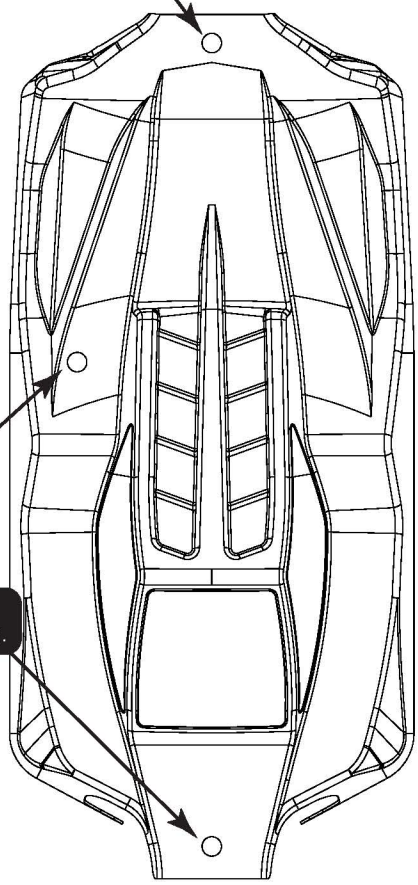
STEP 47





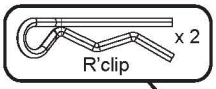
Cut the body out to the trim lines

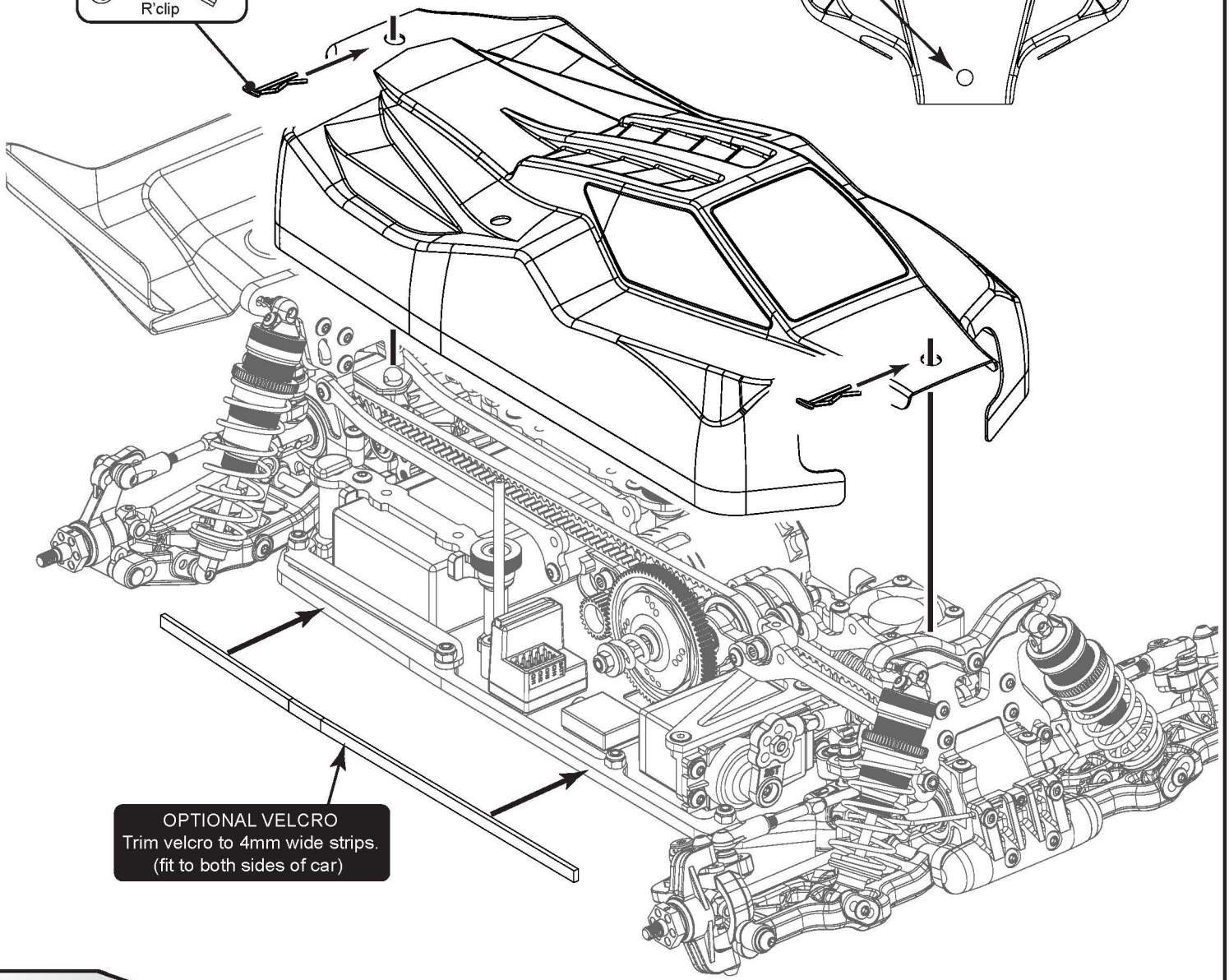
Cut the bodyshell mounting holes to 6.0 mm Diameter before painting.



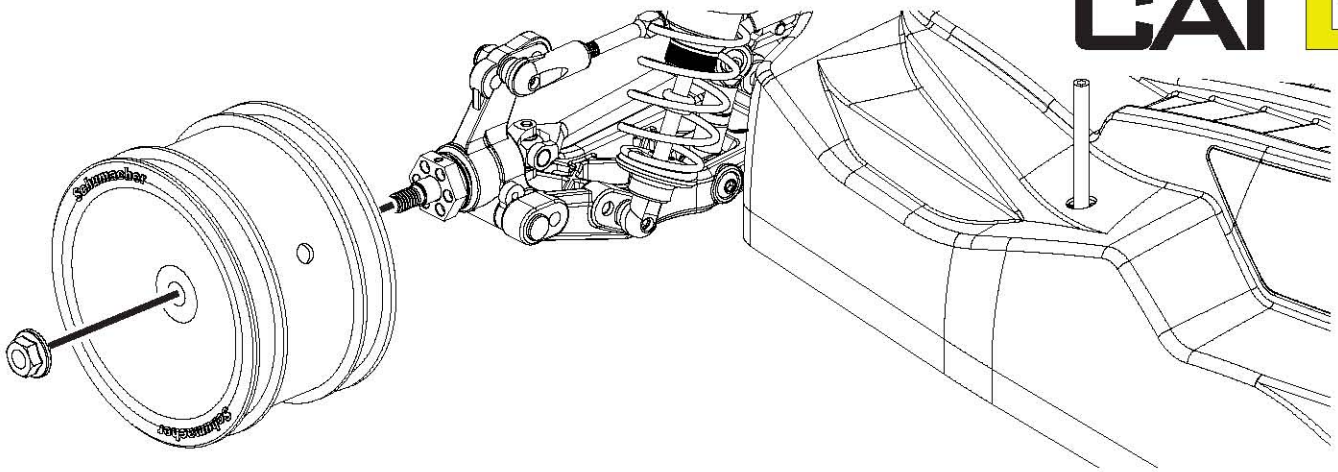
Cut aerial hole if required

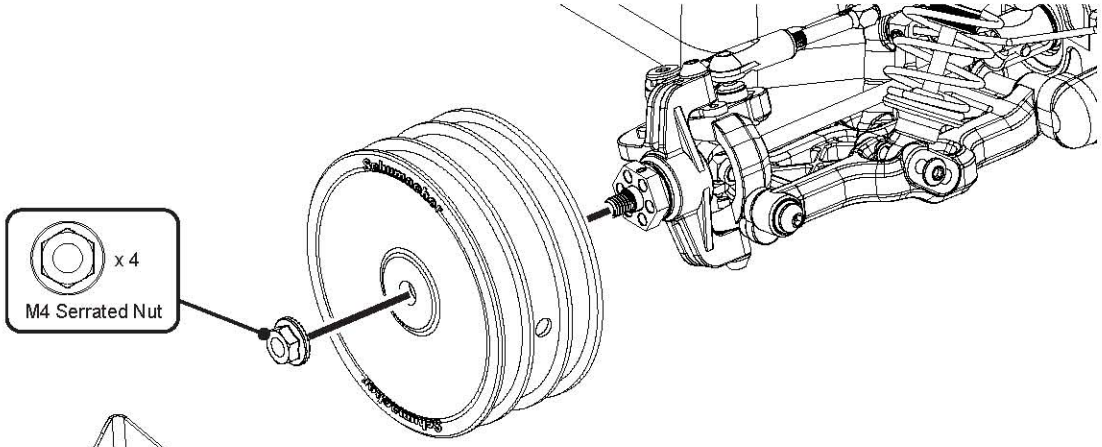
Cut the bodyshell mounting holes to 6.0 mm Diameter before painting.

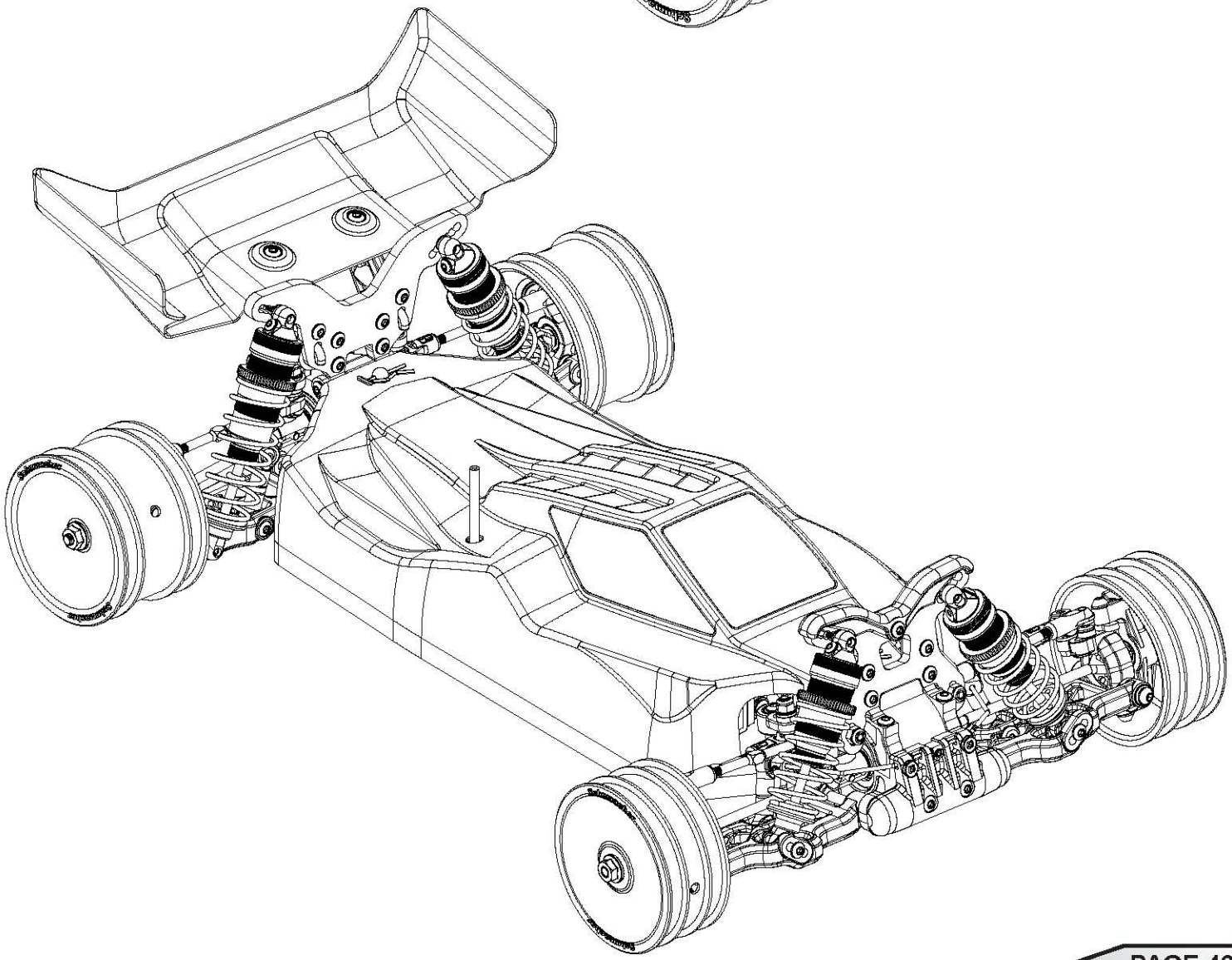




OPTIONAL VELCRO
Trim velcro to 4mm wide strips.
(fit to both sides of car)

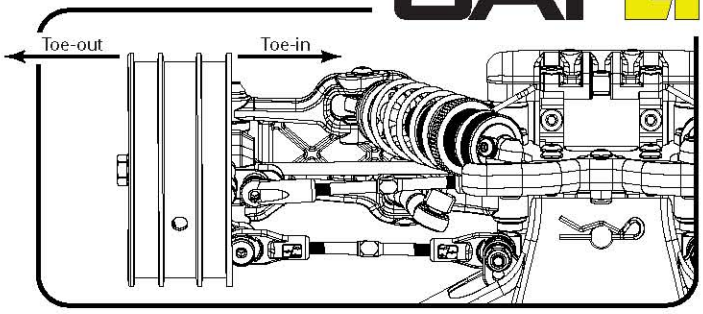



x 4
M4 Serrated Nut



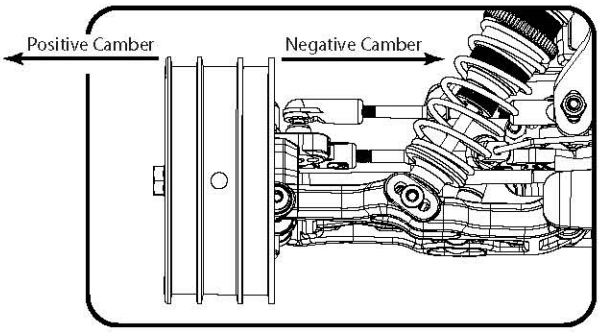
Front Toe

Front toe in should be set to 0° (both front wheels pointing straight ahead) this will be the best setting for most track conditions. Adding slight toe out will increase initial turn in. Whereas slight toe in will make this initial turn in a little softer. The Team generally run 1° toe out on most tracks.



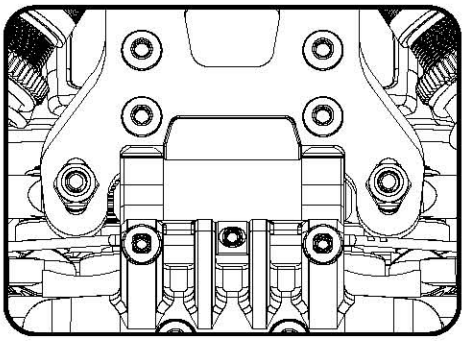
Front Camber

The usual team setting for static front camber is 1°- 2° negative at ride height (the top of the wheel is leaning inwards towards the car). Increasing the static camber will generally increase the mid corner steering, whereas decreasing the static camber usually makes the car smoother to drive by reducing the steering response.
For dirt tyres with a flatter profile use between 0.8°- 1.5° to keep the contact patch more consistent.



Front Camber Links

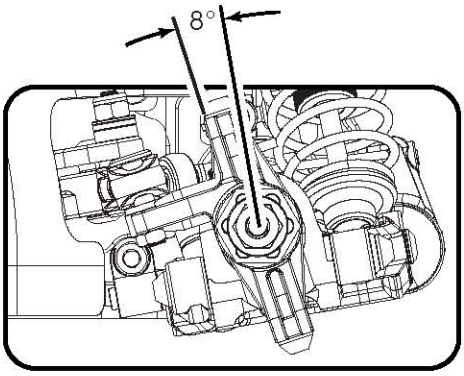
The kit front camber link position and length are what the team recommend for most tracks. Using a long front link makes the front of the car roll more and will give less steering reaction at high speed. It is also not quite as good on very bumpy tracks. We would recommend this on fairly smooth high grip tracks. A shorter front link will make the car roll less and quicken the initial steering response. This is a better choice for bumpy low grip tracks. Lowering the inside ball stud will give a similar result to shortening the link, and raising it will give a similar result to lengthening the camber link, but with less total effect.

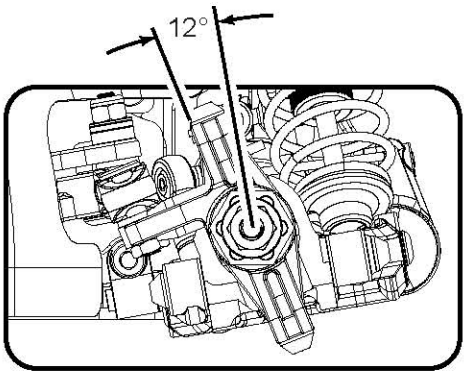


Front Yoke Angle

The standard car uses 10° yokes with options of 8° and 12° alloy versions.

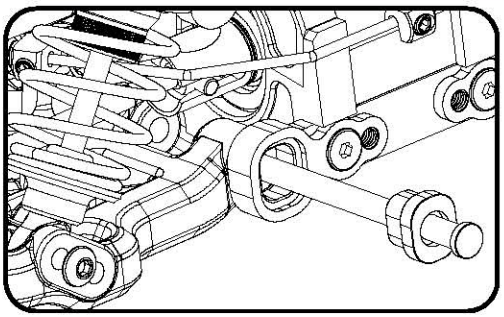
Increasing the angle will increase on power steering and stability, whereas decreasing the angle will increase initial turn in.





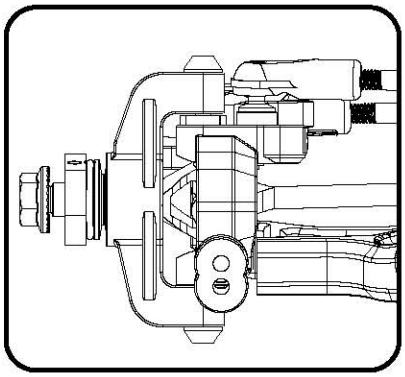
Adjustable Rake Angle and Track Width

Less rake will give more on power steering but off power stability will be reduced. More rake will go through the bumpy sections easier and you will be able to lean on the car when going through the corners. Running the car inserts narrow will give the most steering, using the wider setting will increase stability.



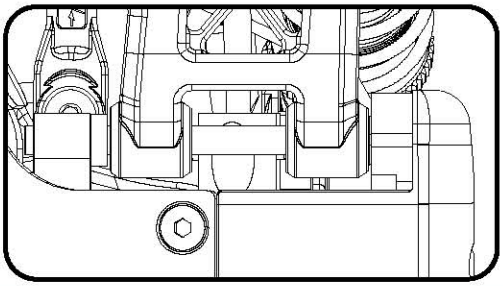
Front Yoke height + front hub height

The kit setting will give the most corner grip but when using the highest axle height you will have a safer front end. Using softer shock settings or more aggressive camber links you can get the steering back but the car will have a safer feel.



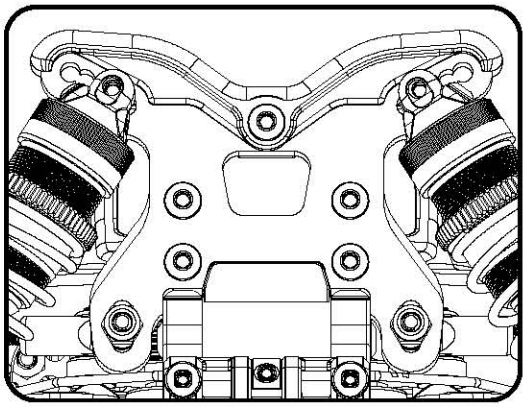
Front Wheelbase Options

Moving the wishbone rearwards will give more traction at the expense of stability over rough sections of the track. Moving the wishbone forwards will usually improve stability over the rough sections.



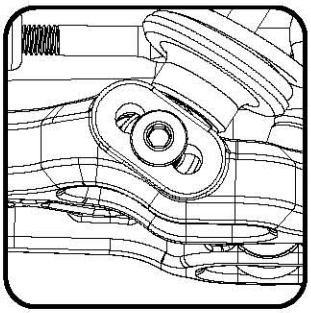
Front Shock Mount

The middle hole on the front shock mount is the most widely used position. Moving the shock to the outer position will make the car react faster and increase the initial steering response, it may however stiffen the suspension which may require an oil and spring change so that the cars suspension feels the same. By moving the shock to the inner hole will soften the suspension and slow down the steering reaction and make the car smoother on bumpy tracks. Again you may need to alter the oil and spring combination to get the suspension correct again.



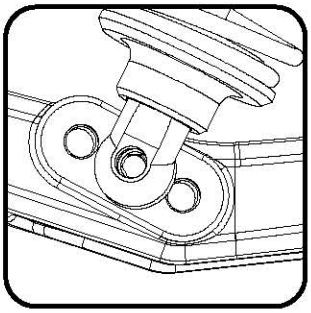
Front Wishbone Shock Mounting Hole

The middle hole in the wishbone is the standard setting for the lower shock absorber mounting. Moving the shock absorber to the outer hole increases the reaction of the steering as well as increasing the suspension stiffness, This position may cause a little too much initial turn in on corner approach. Using the inside hole will soften the suspension and also increase the total suspension travel, and will probably need spring and damping changes to make the best use of it. Anti roll bars are a good tuning aid when using different shock absorber positions on the wishbone.



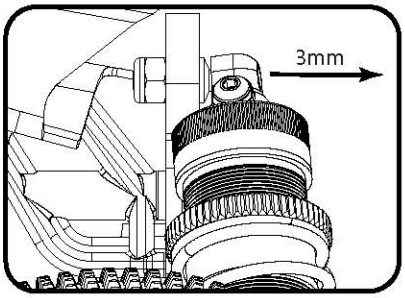
Rear Wishbone Shock Mounting Hole

The middle hole works best for most track conditions giving good traction and drive through the turns whilst maintaining good stability over the bumps. Moving to the outer hole on the wishbone will decrease traction but will allow the rear to free up more in the turns. This setting would usually only get used on high grip tracks and when moving the shock out you may have to change the oil and spring settings to get the same suspension feel.
If the grip level is low and the track is bumpy, try the inside hole with harder spring, thicker oil and a 2mm internal limiter. This should help improve the handling.



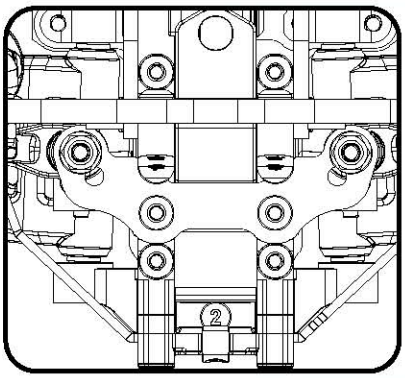
Rear Shock Spacing Top

Angling the top of the rear shock forwards 3mm will help jump landings with the sacrifice of bump handling, it also increases initial steering.
You will need to fit a longer ball stud to do this. (**U4700 - Pro Ball Stud - Ultra Long**)



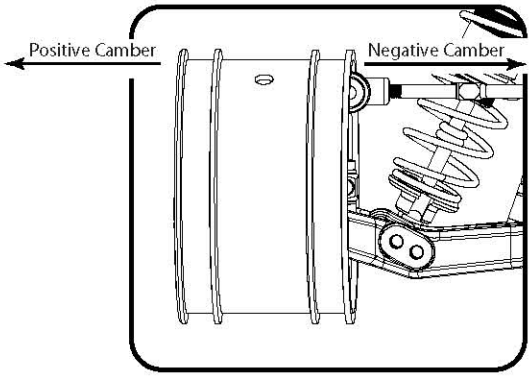
Rear Camber Link

The kit build rear camber link setting is the best compromise for most tracks. This is the outside link option and gives good stability and straight line traction while allowing the rear of the car to free up on high speed turns. This reduces power on under steer on high grip tracks.
Shortening the rear camber link will make the rear of the car roll less in the corners, and square up faster when accelerating away from tight turns, longer links are generally used on high grip tracks and shorter links on low grip tracks. Lowering the inside ball stud will give a similar result to shortening the link, and raising it will give a similar result to lengthening the camber link, but with less total effect.



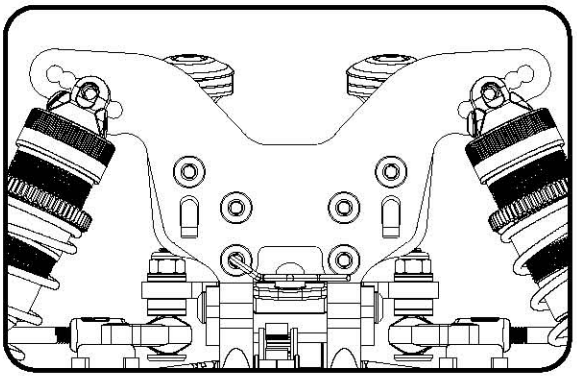
Rear Camber

The usual team setting for static rear camber is 1^{o} negative at ride height (the top of the tyre leaning inwards towards the car). Increasing the static rear camber will increase the traction when exiting the turns, but will be less stable at high speed. Decreasing the camber will reduce stability and traction in the turns but will be more stable at high speed. (Some drivers believe that adding slight positive camber where the tyre leans out at the top away from the car, will improve straight line traction on loose surfaces)



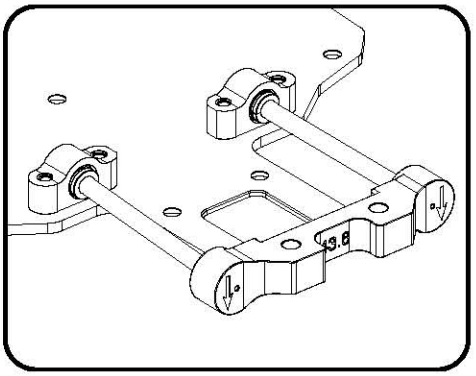
Rear Shock Mount

The third hole on the shock mount gives best all round results. Moving the shock to the outer hole will stiffen the suspension and increase the reaction of the steering. The downside is less compliance over bumpy sections of the track. Moving the shock to the inboard position softens the suspension and will slow the steering reaction making the car smoother over the bumps. Moving the shock to these holes may require an oil or spring change to maintain the suspension performance.



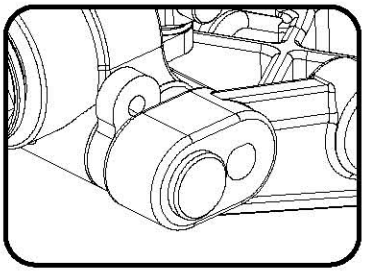
Rear Toe-In Blocks

The standard rear toe in is 3^{o} this is a good compromise between forward traction and the car binding in the turns. This setting is fine for most tracks. You can alter the toe in by flipping the rear pivot blocks so that the flats face inward
this will give 2.5^{o} toe in when using the std rear strap.
If you are running too much toe in, your car may suffer from instability at high speeds.
Decreasing the toe in will reduce forward traction but will free the car up in the turns.
Usually the team use less toe in on high grip tracks and more for low grip tracks.
Using the Optional **(U4719 - Alloy Pivot Block 4/1.5 deg)** gives the option of 4^{o} toe in or 1.5^{o} toe in when flipped.
Using the Optional **(U7430 - Alloy Pivot Block 3.5/2 deg)** gives the option of 3.5^{o} toe in or 2^{o} toe in when flipped.



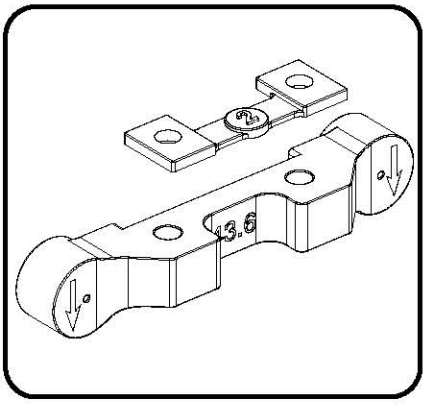
Variable length wishbone

Using the outside hole offers more stability and better jump landings, the inside hole will lock in the rear but with reduced steering



Rear Anti Squat Spacers

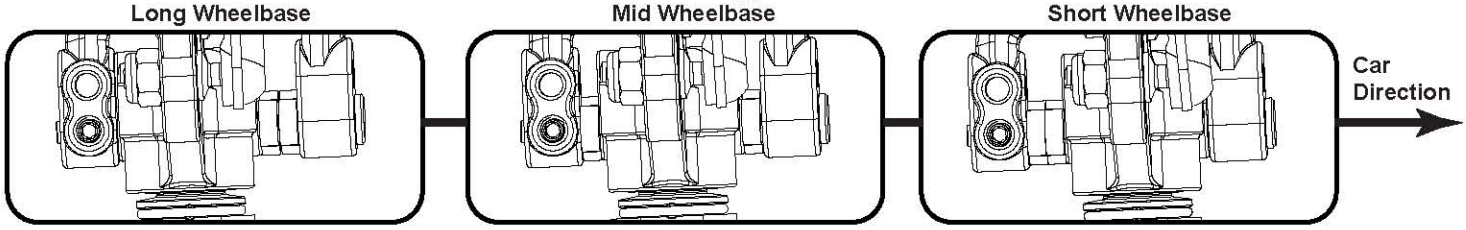
With the arrows on the rear strap pointing down, the standard antisquat is set at 2°.
The team have found that this works best on most tracks, and with the included parts this can be increased or decreased.
Generally less antisquat allows the suspension to work better over the large bumps but usually gives less power on traction.
Adding more antisquat gives more forward traction up to the point where the car starts to pull wheelies. Backing off the slipper is not always an option to compensate for this as good initial bite is needed to clear big jumps. Reducing the antisquat seems to make the car handle better over small ripples but not so good on the tracks with large bumps.
When using the rear strap with arrows up you MUST fit U7407 - Alloy Rear Block Spacer 3mm.
With the spacer fitted you have raised the roll centre. This will stiffen up the car in roll, which should make the car change direction quicker, but with a loss of side bite. We recommend this setting for tight high grip tracks.



Rear Wheelbase options

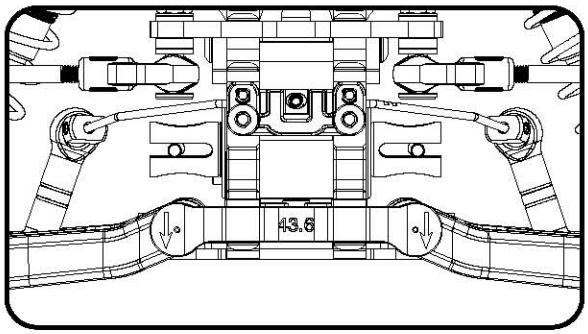
The CAT L1 has 3 wheelbase options at the rear, short, med and long. The adjustment is provided by re positioning the quick clips on the outer wishbone pin. Moving the rear hub carrier forwards will give more traction at the expense of stability over rough sections of the track, and moving the hub carrier to the middle or rear position usually improves stability over the rough sections, running the car in long wheelbase form also free's up the car on sweeping sections of the track.

Long Wheelbase | **(Kit Setting) Mid Wheelbase** | **Short Wheelbase** | **Car Direction**



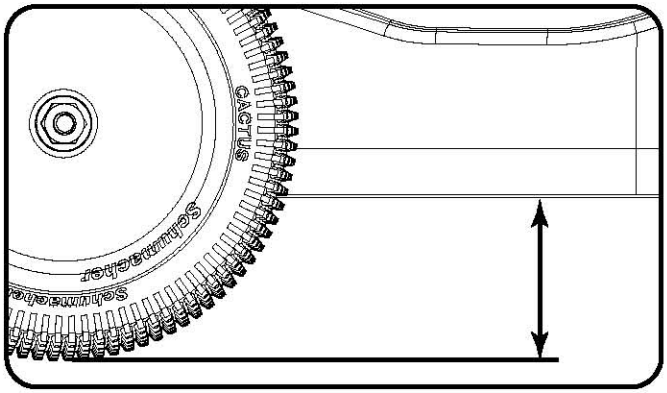
Anti-Roll Bars

Anti-roll bars are an often overlooked set up aid that allows fine tuning of the suspension without major changes to the shock and spring settings. They are mainly used to add roll stiffness to the car without affecting the handling on bumps and jumps. Running anti-roll bars allows you to run softer suspension on bumpy tracks while reducing the roll in corners thus maintaining stability through the turns.



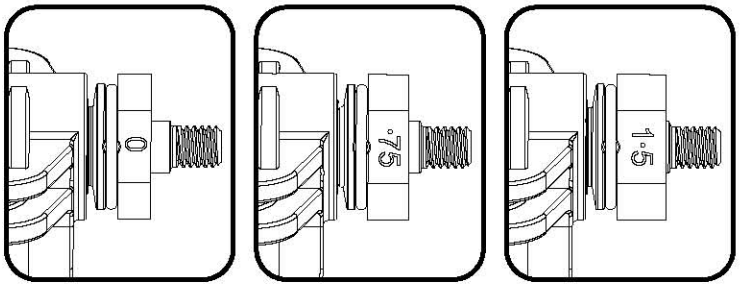
Ride Height

Use the spring adjusters on the shock absorbers to adjust the front and rear ride heights. We would recommend setting the ride height to around 19 mm with the car level. 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. The chassis should be level when viewed from the side. Adjusting the spring collars does not increase or decrease the spring stiffness only the preload. So if the suspension needs to be softer or harder change the spring.
For carpet tracks use 16mm as a starting point for ride height.
For clay tracks use 20mm as a starting point for ride height.



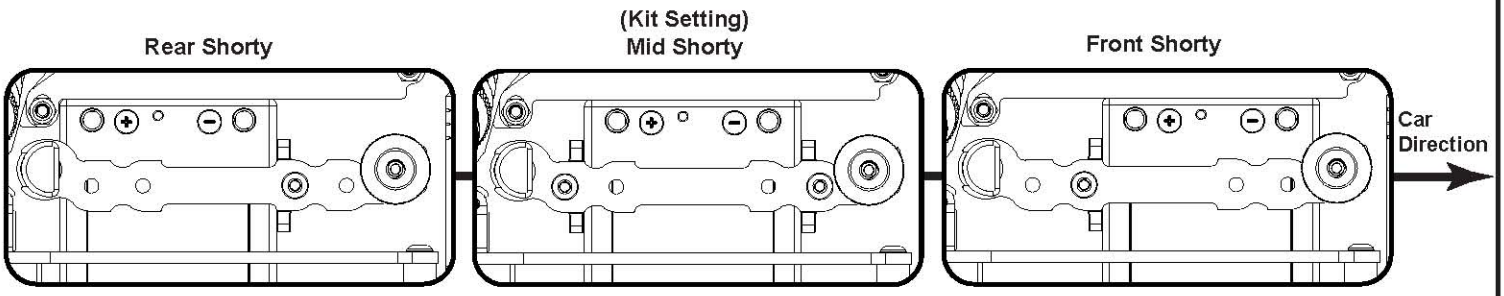
Hex Width

The hex width in the kit is 0mm the optional hexes will widen the offset and track width by the figures on the hex. (per side)
Be aware that running wide hexes and wide inserts may result in your car being too wide for the 250mm width rule.
FRONT
Using a wider hex will be more aggressive but traction rolling is more likely.
REAR
Using a wider hex will give more stability whereas a narrow hex will give more grip.



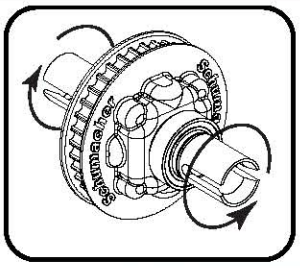
LiPo Position

There are 3 shorty LiPo positions available to fine tune the chassis.
For increased traction run the rear Lipo position.
For increased Steering run the front Lipo Position.



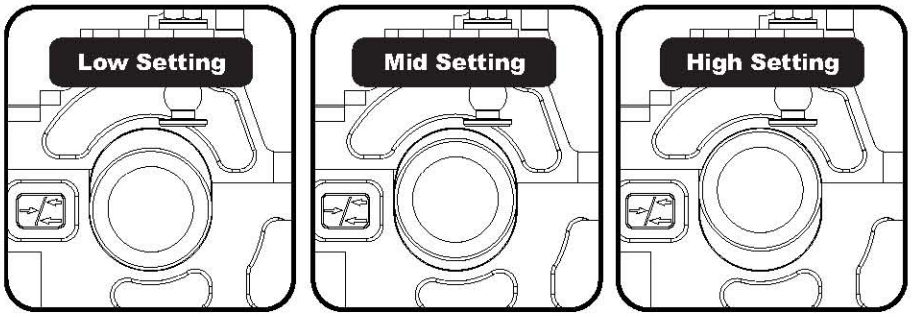
Gear Differential

Geared Diffs can give different driving characteristics. The handling of the diff is tuned by changing the oil.
The recommended starting point is 10,000 cSt (CR222). Other optional oils would be 20,000 cSt (CR223) and 15,000 cSt (CR230).
Using a thinner oil will be better for tighter tracks where more steering is required.
As a general rule the team will use the same oil in both front and rear diffs.



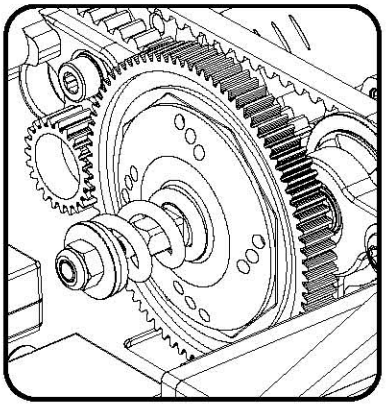
Diff Height

The std diff setting is high rear and low front.
Lowering the diff improves bump stability and allows you to run higher ride heights.
The team prefers the high rear and low front setup, as it gives the best balance of steering and drive.



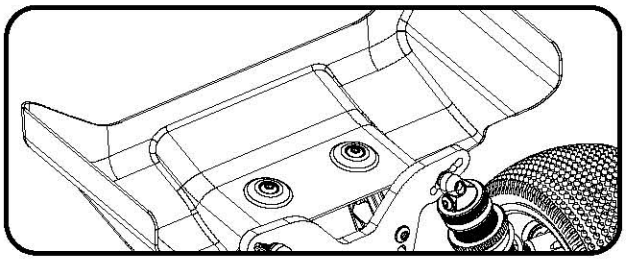
Slipper Clutch

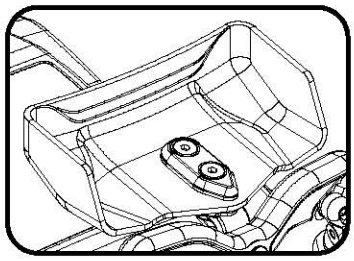
On most tracks it is best to start with the slipper on a **LOOSE** setting, and gradually tighten the spring tension until you achieve the most consistent drive away from turns without spinning the car or pulling wheelies. Make sure you still have enough drive when launching the car from the up ramps. WARNING, do not run the slipper too loose as it could melt the plastic spur gear, also too tight may damage the transmission parts.
If you are generating too much heat at your preferred setting, use the
U7418 - 3 Plate Slipper Clutch Conversion
this will give you a more durable slipper clutch, and for ultimate reliability use
U7050 - Slipper Conversion - 4 Plate.



Front and Rear Wings

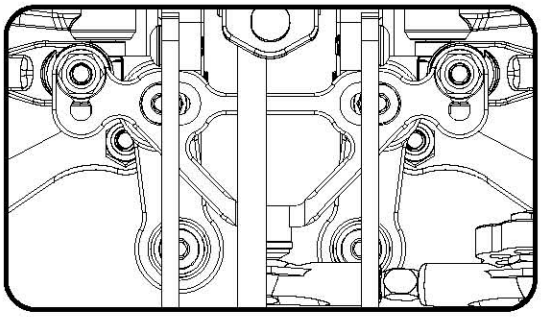
Removing the washers at the front of the rear wing mount will give the wing more angle and increase rear downforce, adding washers will level the wing out giving less downforce. The front wings will add more downforce to the front of the car, use the large wing for maximum downforce. Trimming the gurney on both front and rear wings will reduce downforce.





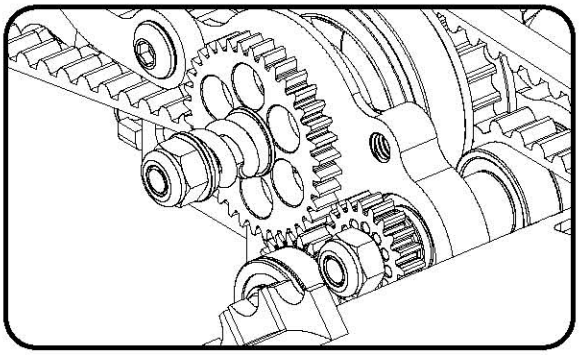
Ackerman

Using the kit most forward ackerman setting will smooth the steering out, the rearward setting will make the car more aggresive.
Using the inboard setting (radius arms parallel) will calm the steering down with a slower response. Using the outer hole will make the steering feel more lively.



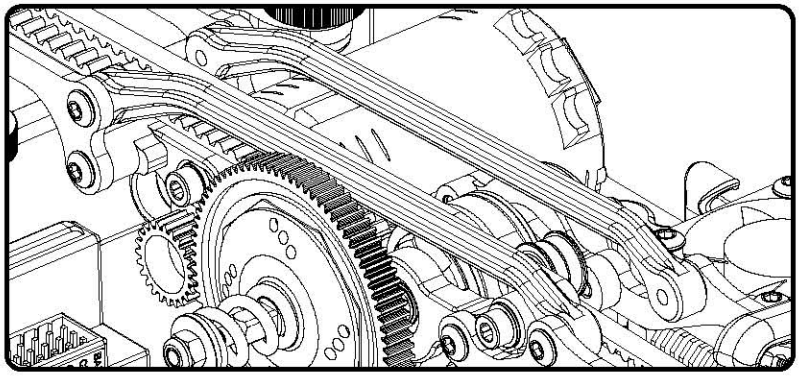
F.A.B.

The front adjustable brake (F.A.B.) should be set tight with a small amount of slip to stop the car loading up the front too much and helping with grip roll.
As you loosen the F.A.B. you will get more initial steering but reduced braking.



Topdecks

Using the centre alloy topdeck **(U7411 - CAT L1 Alloy Centre Topdeck)** on bumpy tracks adds stiffness and helps control the flex of the chassis.
Using the thicker front and rear topdecks (**U7409 - CAT L1 C/F Front Topdeck 3.00mm and U7410 - CAT L1 C/F Rear Topdeck 3.00mm)** will give more steering and make the car more reactive.



Gear Ratio's (2.45:1)

Pinion Gear

Spur Gear	17	18	19	20	21	22	23	24	25	26	27
83	11.95	11.29	10.69	10.16	9.68	9.24	8.83	8.47	8.13		
82		11.15	10.57	10.04	9.56	9.12	8.73	8.36	8.03	7.72	
80				9.79	9.33	8.90	8.51	8.16	7.83	7.53	7.25
76								7.75	7.44	7.16	6.89

Tooth Sum 100 Minimum to 108 Maximum



CR280 - Ti Pro Ball Studs - Short (pr).
CR282 - Ti Pro Ball Studs - Long (pr).



U7434 - Med Shock Body Kashima Coat (pr)
U7435 - Long Shock Body Kashima Coat (pr)



U3348 - 80T Spur.
U3350 - 82T Spur.
U3790 - 76T Spur.
U4670 - Slipper Clutch Cage - 4 Plate.
U4671 - Mid Slipper Clutch Plate - 4 Plate.
U4673 - Slipper Clutch Spring - 4 Plate.
U7050 - Slipper Conversion - 4 Plate.



U7321 - Gear Diff Alloy Cross Pin.



U7313 - Titanium Turnbuckle - 24mm - Silver (pr).
U7317 - Titanium Turnbuckle - 45mm - Silver (pr).
U7318 - Titanium Turnbuckle - 53mm - Silver (pr).



U7437 - CAT L1 S2 Rear Shock Mount.
U7438 - CAT L1 S2 Front Shock Mount.



U7409 - CAT L1 C/F Front Topdeck 3.00mm.
U7410 - CAT L1 C/F Rear Topdeck 3.00mm.



U7405 - CAT L1 Titanium Front Inboard Pivot Pin.
U7406 - CAT L1 Titanium Rear Inboard Pivot Pin.



U7400 - Titanium Low Profile M4 Serrated Nut.



U7417 - 83T Slipper Spur Gear - 3 Plate
U7418 - Slipper Clutch Conversion - 3 Plate
U7425 - Alloy Slipper Disk - 3 Plate



U7401 - CAT L1 Roche Double Joint Front D/Shaft.



U7093 - Front Wings.
U7429 - CAT L1 Front Wing Mount Mouldings.



U7412 - CAT L1 Alloy Rear Hub Carriers.



U7404 - CAT L1 Alloy Radius Arms.



U7424 - Alloy Lightweight LiPo nuts.



U7420 - Alloy Adjustable Rear Wing Mount Set.



U7421 - Alloy Gear Diff Complete.
U7422 - Alloy Gear Diff Housing. (Requires U7423)
U7423 - Alloy Gear Diff Cover. (Requires U7422)



U7402 - CAT L1 Alloy Wheel Hex 6.75mm.
U7403 - CAT L1 Alloy Wheel Hex 7.5mm.



U7419 - Titanium M4 x 20 Grub Screw (pr).



U7411 - CAT L1 Alloy Centre Topdeck.



U4719 - CAT L1 Alloy Rear Pivot Block 4/1.5 deg.
U7430 - CAT L1 Alloy Rear Pivot Blocks 3.5/2 deg.



U7408 - CAT L1 Alloy Rear link Mount.



U7407 - CAT L1 Alloy Rear Block Spacer 3mm.



CR697 - Alloy Horn Offset Short - FU 25T.
CR698 - Alloy Horn Offset Short - SA 23T.



U7413 - CAT L1 Alloy Yoke 8 Deg.
U7414 - CAT L1 Alloy Yoke 12 Deg.
U7443 - CAT L1 Alloy Yoke 10 Deg.



U4890 - Big Bore Alloy Spring Seat.

2WD Slim Mini Spike 2



U6549 - Blue Compound (pair)
U6550 - Green Compound (pair)
U6581 - Yellow Compound (pair)
U6761 - Silver Compound (pair)

2WD Slim 2 Row Stud



T654 - Yellow Compound (pair)

4WD 2 Row Stud



U6797 - Yellow Compound (pair)

4WD Wide Stagger Rib



U6810 - Yellow Compound (pair)
U6811 - Silver Compound (pair)

4WD Mini Spike 2



U6557 - Yellow Compound (pair)
U6515 - Green Compound (pair)
U6517 - Blue Compound (pair)
U6762 - Silver Compound (pair)

4WD Mini Pin



U6601 - Blue Compound (pair)
U6607 - Yellow Compound (pair)
U6777 - Silver Compound (pair)

4WD 2.2" Full Spike



U6595 - Yellow Compound (pair)

'The Original' 2" 4WD Full Spike



T652 - Soft Compound (pair)

4WD 2" Block



T693 - Blue Compound (pair)
U6787 - Yellow Compound (pair)

4WD Mini Pin 2



U6821 - Yellow Compound (pair)

Rear 2" Block



T692 - Blue Compound (pair)
U6786 - Yellow Compound (pair)

'The Original' Rear 2" Full Spike



T650 - Soft Compound (pair)

Rear 2.2" Full Spike



U6596 - Yellow Compound (pair)

Rear Mini Spike 2



U6516 - Green Compound (pair)
U6518 - Blue Compound (pair)
U6558 - Yellow Compound (pair)
U6763 - Silver Compound (pair)

Rear Mini Spike 2"



U6849 - Yellow Compound (pair)

Rear Mini Pin



U6608 - Yellow Compound (pair)

Rear Mini Pin 1



U6817 - Yellow Compound (pair)
U6819 - Blue Compound (pair)
U6820 - Silver Compound (pair)

Rear Mini Pin 2



U6803 - Blue Compound (pair)
U6804 - Yellow Compound (pair)
U6805 - Silver Compound (pair)

Pre-Glued

Yellow Compound Tyres
White 12mm Hex Wheels

4WD FRONT
U6791 - Mini Pin
U6793 - Mini Spike2
U6812 - Wide Stagger Rib
U6822 - Mini Pin 2
U6834 - Mini Dart
U6841 - Cactus

REAR
U6792 - Mini Pin
U6794 - Mini Spike2
U6806 - Mini Pin 2
U6818 - Mini Pin 1
U6835 - Mini Dart
U6839 - Cactus

4WD Mini Dart



U6825 - Yellow Compound (pair)
U6828 - Blue Compound (pair)
U6831 - Silver Compound (pair)

Rear Mini Dart



U6826 - Yellow Compound (pair)
U6829 - Blue Compound (pair)
U6832 - Silver Compound (pair)

4WD Cactus



U6840 - Yellow Compound (pair)
U6843 - Silver Compound (pair)
U6845 - Blue Compound (pair)

Rear Cactus



U6838 - Yellow Compound (pair)
U6842 - Silver Compound (pair)
U6844 - Blue Compound (pair)

Foam Inserts

Medium Front



U6733 - Med (pair)
U6746 - Med Tubby (pair)
U6652 - Hard (pair)

Rear



U6734 - Med (pair)
U6747 - Med Tubby (pair)
U6653 - Hard (pair)
U6668 - Soft Ultra Wide (pair)
U6669 - Hard Ultra Wide (pair)

12mm Hex Wheels

Black
U4365 - Rear
U4495 - 4wd Front



White
U4366 - Rear
U4496 - 4wd Front



CAT L1

		Tarmac	Carpet	Dry Astro	Dry Grass	Wet Grass	Wet Astro
2WD Slim Mini Spike 2	U6549 Blue		★★	★★★	★★★		
	U6550 Green			★		★★★	★★
	U6581 Yellow	★★				★★	
	U6761 Silver					★★	★★
2WD Slim 2 Row Stud	T654 Yellow		★	★★	★★		★
4WD 2 Row Stud	U6797 Yellow			★	★★	★	
4WD Wide Stagger Rib	U6810 Yellow		★★	★★	★		
	U6811 Silver	★★					★★
4WD Front Mini Spike 2	U6557 Yellow	★	★★	★★★	★★★		
	U6515 Green			★		★★★	★★
	U6517 Blue	★★			★★★	★★	
	U6762 Silver					★★	★★★
4WD Front Mini Pin	U6601 Blue	★★★	★				
	U6607 Yellow	★	★★★	★★			
	U6777 Silver					★★	★★★
4WD Front 2.2" Full Spike	U6595 Yellow				★★		
"Original" 2" 4WD Front Full Spike	T652 Yellow	★			★		
4WD Front 2" Block	T693 Blue	★					
	U6787 Yellow	★★			★		
4WD Front Mini Pin 2	U6821 Yellow	★	★★	★★★			
4WD Mini Dart	U6825 Yellow		★★★	★★★			
	U6828 Blue		★	★★			
	U6831 Silver						★★★
4WD Cactus	U6840 Yellow		★★★				
	U6843 Silver		★★				
	U6845 Blue						★★
Rear 2" Block	U6786 Yellow			★★★			
	T692 Blue	★★					
"Original" 2" 4WD Rear Full Spike	T650 Yellow	★			★		
Rear 2.2" Full Spike	U6596 Yellow				★★		
Rear Mini Spike 2	U6516 Green			★		★★★	★★
	U6518 Blue	★★★			★★	★★	
	U6558 Yellow	★	★	★★★	★★★		
	U6763 Silver					★★	★★★
Rear Mini Spike 2"	U6849 Yellow			★★	★		
Rear Mini Pin	U6608 Yellow		★★★	★★★	★		
Rear Mini Pin 1	U6817 Yellow		★★★	★★★	★		
	U6819 Blue		★★	★★			
	U6820 Silver					★	★★★
Rear Mini Pin 2	U6803 Blue	★★★	★				
	U6804 Yellow	★	★★★	★★			
	U6805 Silver					★	★★★
Rear Mini Dart	U6826 Yellow		★★★	★★★	★		
	U6829 Blue		★★	★★			
	U6832 Silver					★	★★★
Rear Cactus	U6838 Yellow		★★★				
	U6842 Silver		★				
	U6844 Blue						★★★

Excellent Grip ★★★ Good Grip ★★ Fair Grip ★



3 Layer Soft Shell Team Jacket - Black

G339XS	Extra Small - 34 inch chest
G339S	Small - 38 inch chest
G339M	Medium - 41 inch chest
G339L	Large - 44 inch chest
G339XL	X Large - 46 inch chest
G339XXL	XX Large - 48 inch chest
G339XXXL	XXX Large - 50 inch chest



Team Hooded Sweatshirt - Navy Blue

G343S	Small
G343M	Medium
G343L	Large
G343XL	Extra Large



Caps - Black
G340 Schumacher Baseball Cap



Beanie
G338 2 Tone Knitted Hat



Team Polo Shirt - Navy blue

G344S	Small
G344M	Medium
G344L	Large
G344XL	X Large
G344XXL	XX Large
G344XXXL	XXX Large
G344XXXXL	XXXX Large
G344XXXXXL	XXXXX Large



Team T-Shirt - Navy blue

G342S	Small
G342M	Medium
G342L	Large
G342XL	X Large
G342XXL	XX Large
G342XXXL	XXX Large
G342XXXXL	XXXX Large
G342XXXXXL	XXXXX Large



Schumacher Gilet - Frost Grey

G346S	Small
G346M	Medium
G346L	Large
G346XL	X-Large
G346XXL	XX-Large



Towels
G315 Schumacher Pit Towel



Banners
S500B - Team Schumacher Banner 3ft x 6ft